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		

State of New Mexico
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 not 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:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle

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.)
Rectangle A	250.0	50.0	0.5	Off-Pad	14.60%	92.71	13.54
Rectangle B	20.0	10.0	0.5	Off-Pad	14.60%	1.48	0.22
Rectangle C				Off-Pad	14.60%	0.00	0.00
Rectangle D				Off-Pad	14.60%	0.00	0.00
Rectangle E				Off-Pad	14.60%	0.00	0.00
Rectangle F						0.00	
Rectangle G						0.00	
Rectangle H						0.00	
Rectangle I						0.00	
Rectangle J						0.00	
					Total Subsurface Volume Released:		13.7520

[redacted]

Remediation Recommendation

Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rule of Thumb - RMR Handover Volume, (yd^3.)
24.11	750
0.39	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
24.50	BU

CARMONA RESOURCES

SITE INFORMATION

Work Plan
Asio Otus Federal 003H (07.16.23)
Eddy County, New Mexico
Unit A Sec 24 T26S R26E
32.034391°, -104.241968°

Produced Water Release
Point of Release: Flowline Rupture Due to Corrosion
Release Date: 07.16.23
Volume Released: 13.752 Barrels 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

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

January 11, 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 (07.16.23)
Concho Operating, LLC
Site Location: Unit A, S24, T26S, R26E
(Lat 32.034391°, Long -104.241968°)
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 (07.16.23). The site is located at 32.034391, -104.241968 within Unit A, S24, T26S, R26E, 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 July 16, 2023, caused by a flowline rupture due to corrosion. The incident released approximately thirteen point seven five two (13.752) 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 1.33 miles North 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.

4.0 Site Assessment Activities

Initial Assessment

On October 16, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of ten (10) sample points and six (6) horizontal samples were advanced to depths ranging from the surface to 2’ bgs inside and surrounding the release area to evaluate the vertical and

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

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

The area of S-1 was vertically delineated, but all other 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 December 5, 2023, Carmona Resources, LLC returned to the site to delineate the release vertically. A total of nine (9) trenches (T-1 through T-9) were advanced to depths ranging from the surface to 7' 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.

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-1, S-2/T-1, S-3/T-2, and S-5/T-4 will be excavated to a depth of 2.0' below ground surface and backfilled with clean material to surface grade.
- The areas of S-7/T-6 and S-8/T-7 will be excavated to a depth of 2.5'- 3.0' below ground surface and backfilled with clean material to surface grade.
- The area of S-9/T-8 will be excavated to a depth of 3.0' below the ground surface and backfilled with clean material to surface grade.
- The area of S-4/T-3 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-6/T-5 will be excavated to a depth of 5.0' below the ground surface and backfilled with clean material to surface grade.
- The area of S-10/T-9 will be excavated to a depth of 6.0' below the ground surface and backfilled with clean material to surface grade.
- An estimated 1,765 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 surface or buried 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 contact us at 432-813-1992.

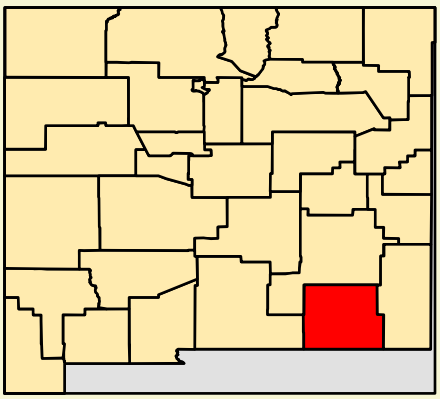
Sincerely,
Carmona Resources, LLC

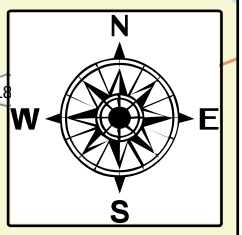
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
COG OPERATING
ASIO OTUS FED 003H (7.16.23)
EDDY COUNTY, NEW MEXICO
32.034391, -104.241968

SCALE: As Shown

Date: 7/27/2023

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 500
Midland, Texas 79701

NOTES:

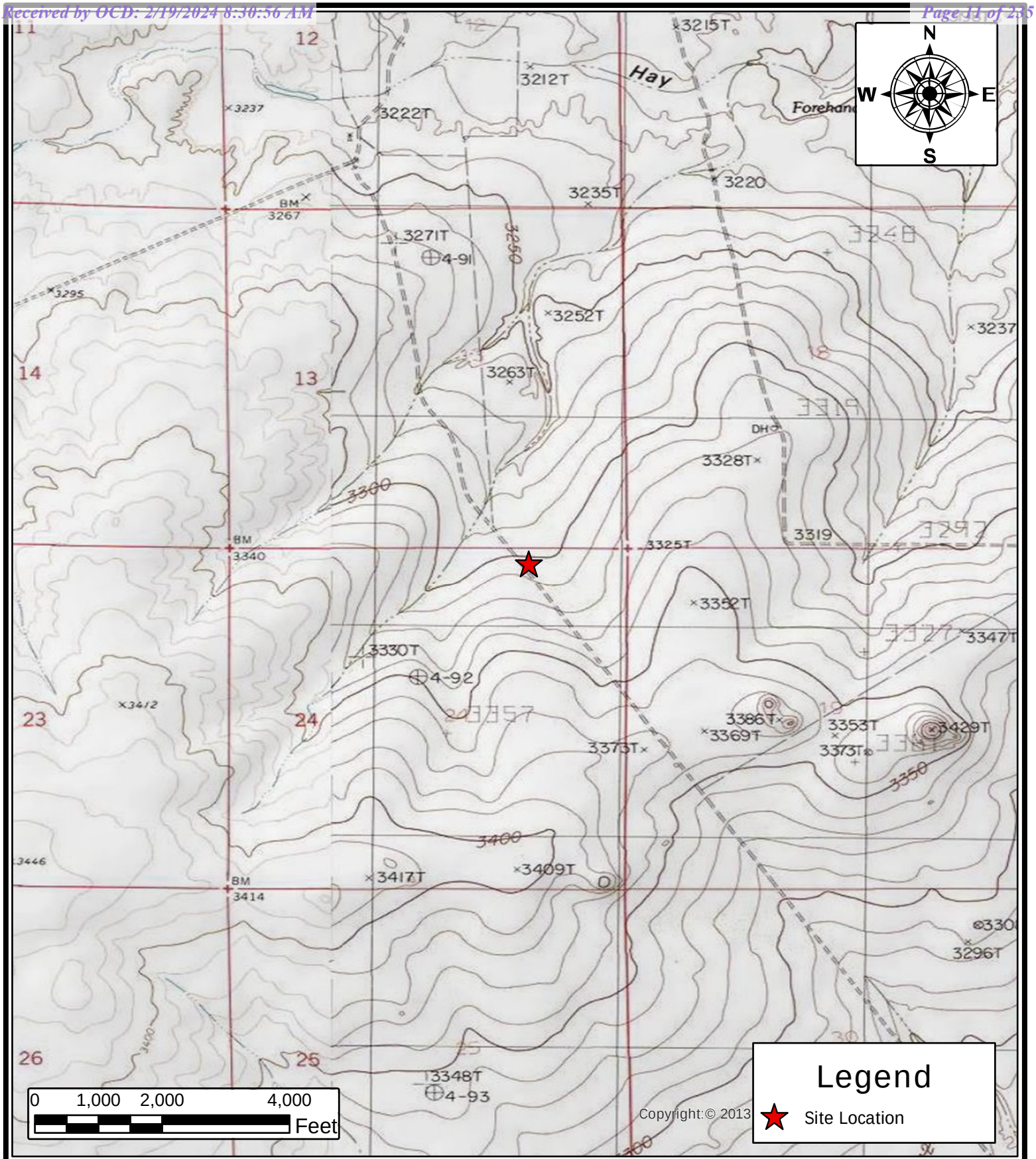
1. Base Image: ESRI Maps & Data 2023
2. Map Projection: WGS84

DRAWING NUMBER:

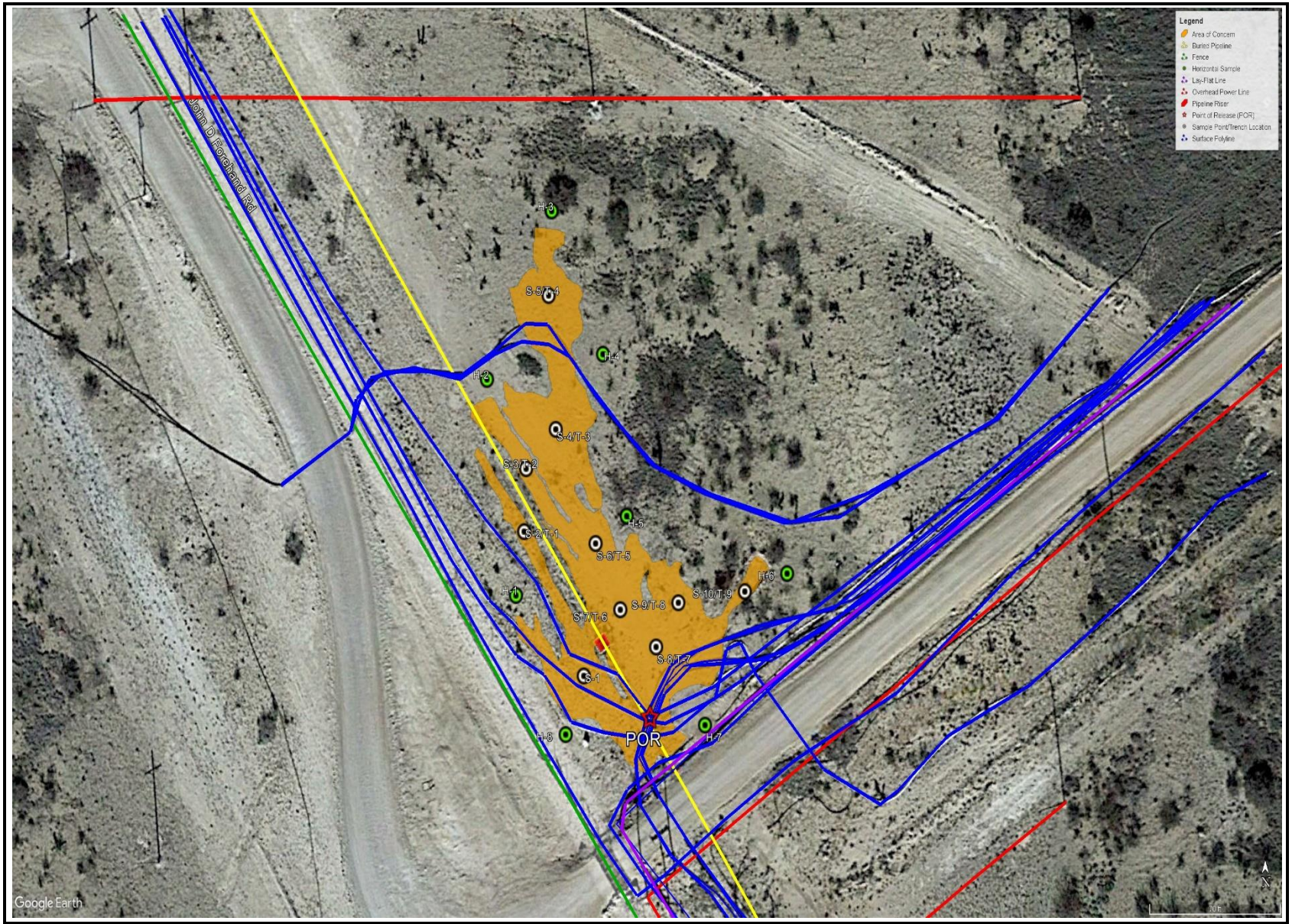
FIGURE 1

SHEET NUMBER:

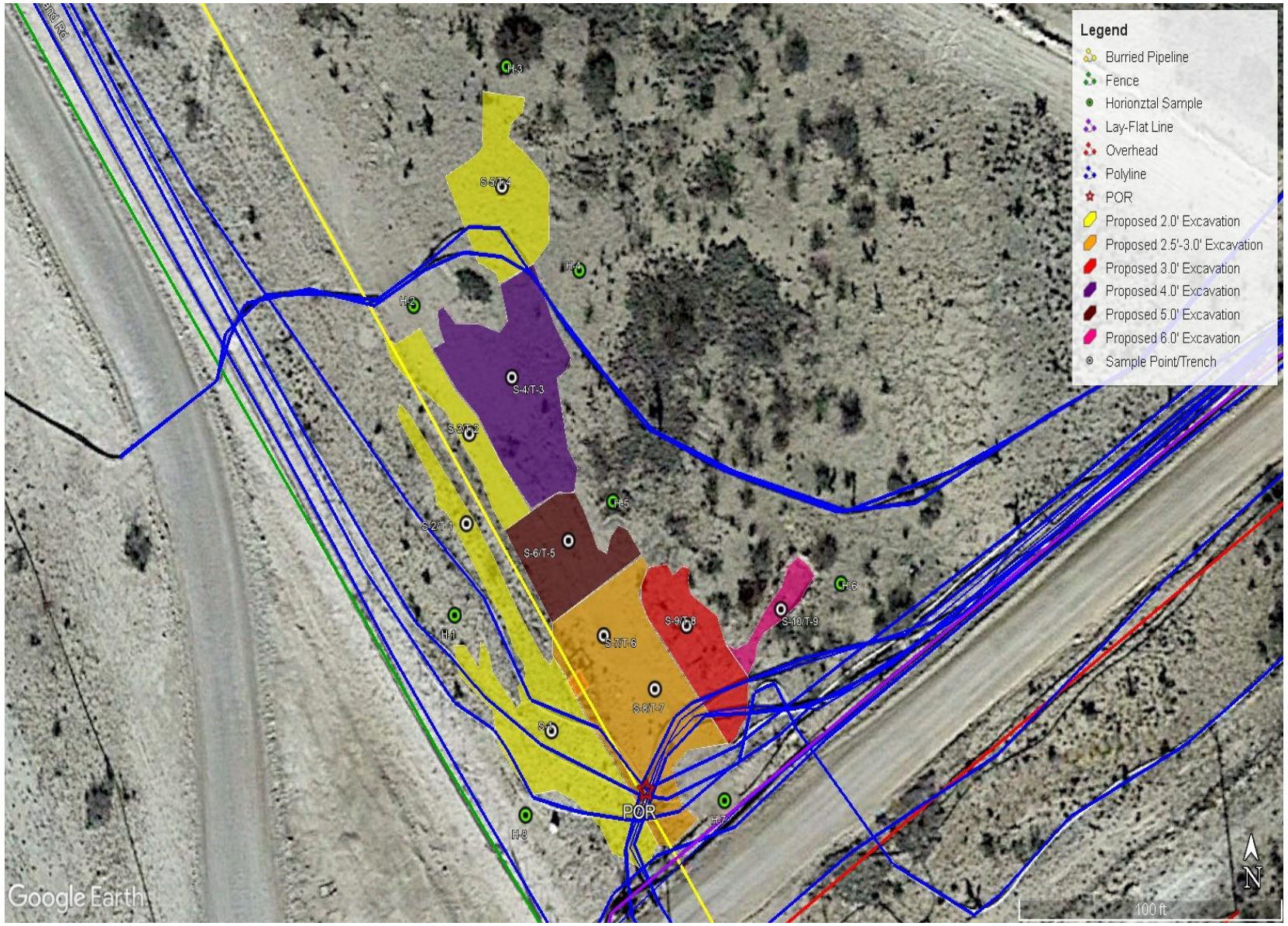
1 of 1



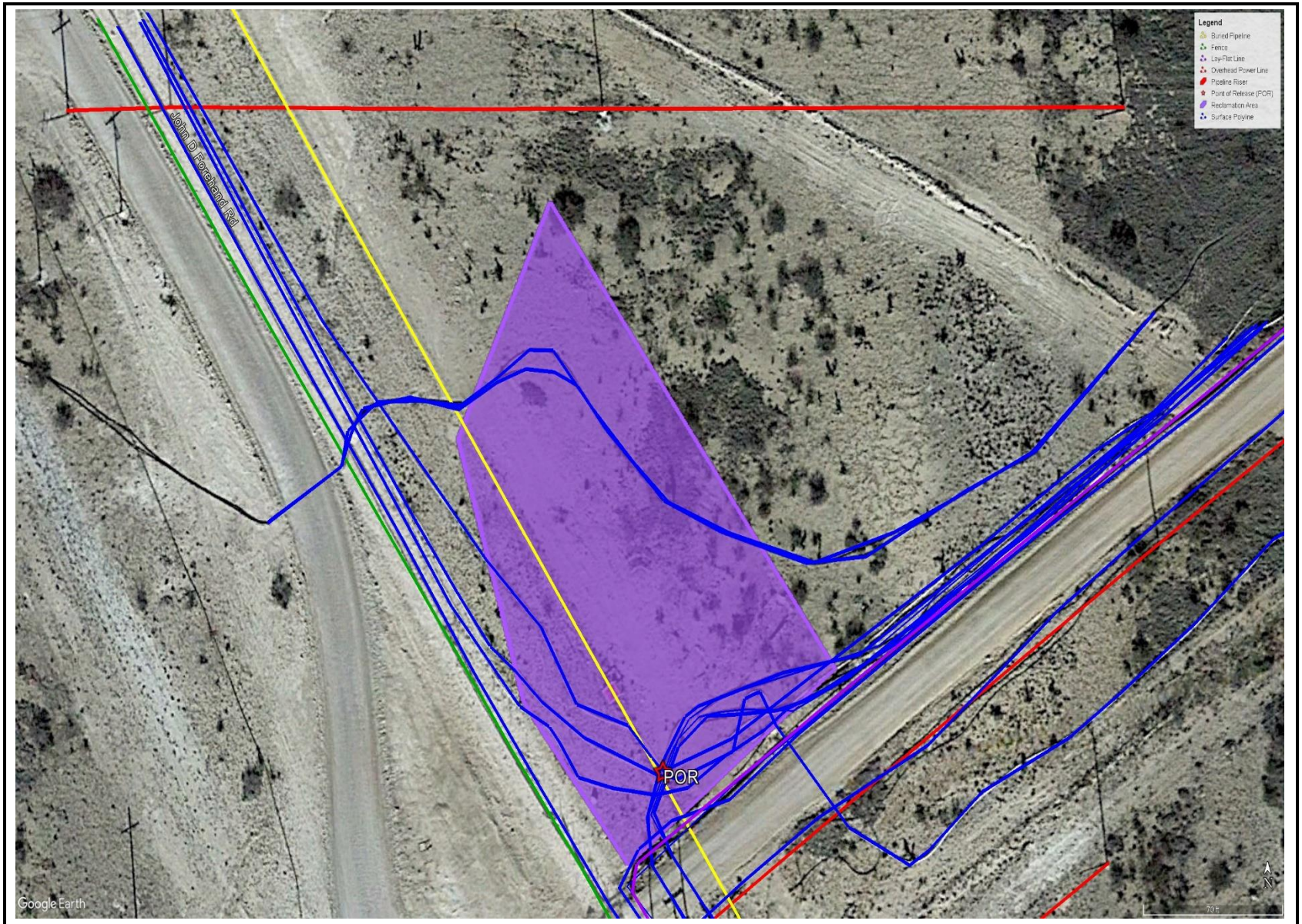
TOPOGRAPHIC MAP COG OPERATING ASIO OTUS FED 003H (7.16.23) EDDY COUNTY, NEW MEXICO 32.034391, -104.241968	CARMONA RESOURCES **Carmona Resources** 310 West Wall Street, Suite 500 Midland, Texas 79701	NOTES: 1. Base Image: ESRI Maps & Data 2023 2. Map Projection: WGS84	DRAWING NUMBER: **FIGURE 2**
SCALE: As Shown / Date: 7/27/2023			SHEET NUMBER: 1 of 1



SAMPLE LOCATION MAP COG OPERATING, LLC ASIO OTUS FEDERAL 003H (07.16.23) EDDY COUNTY, NEW MEXICO 32.034391°, -104.241968°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP COG OPERATING, LLC ASIO OTUS FEDERAL 003H (07.16.23) EDDY COUNTY, NEW MEXICO 32.034391°, -104.241968°	CARMONA RESOURCES	FIGURE 4



RECLAMATION MAP COG OPERATING, LLC ASIO OTUS FEDERAL 003H (07.16.23) EDDY COUNTY, NEW MEXICO 32.034391°, -104.241968°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
COG Operating
Asio Otus Federal 003H (07.16.23)
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	10/16/2023	0-1	<49.5	**130**	<49.5	**130**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,6700**
	"	1.5	<50.5	61.1	<50.5	61.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**6,910**
	"	2	<50.1	58.2	<50.1	58.2	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	63.1
S-2	10/16/2023	0-1	<49.9	**122**	<49.9	**122**	<0.00201	<0.00201	<0.00201	<0.00403	<0.00403	**1,6200**
	"	1.5	<50.0	53.9	<50.0	53.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**8,160**
T-1	12/5/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	280
	"	1.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	425
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	525
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	406
S-3	10/16/2023	0-1	<49.6	**169**	<49.6	**169**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**13,700**
	"	1.5	<50.3	55.8	<50.3	55.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**7,770**
T-2	12/5/2023	0-1	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	277
	"	1.5	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	425
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	545
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	399
S-4	10/16/2023	0-1	<50.1	**192**	<50.1	**192**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**16,800**
	"	1.5	<50.5	59.6	<50.5	59.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**5,400**
T-3	12/5/2023	0-1	<50.3	51.5	<50.3	51.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**37,500**
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**7,760**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**5,030**
	"	3.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**796**
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	159
S-5	10/16/2023	0-1	<49.7	**221**	<49.7	**221**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**16,700**
	"	1.5	<50.0	53.7	<50.0	53.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,180**
T-4	12/5/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**2210**
	"	1.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	332
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	81.3
	"	3.0	<50.3	<50.3	<50.3	<50.3	**<0.00199**	<0.00199	<0.00199	<0.00398	<0.00398	131
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 Points
(T) Trench Location
Proposed Excavation

Table 1
COG Operating
Asio Otus Federal 003H (07.16.23)
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-6	10/16/2023	0-1	<50.3	**378**	<50.3	**378**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**14,800**
	"	1.5	<50.4	74.3	<50.4	74.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**6,760**
	"	2	<50.5	**117**	<50.5	**117**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**15,000**
T-5	12/5/2023	0-1	<50.1	85.0	<50.1	85.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**20,800**
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**9,720**
	"	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**11,800**
	"	3.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**9,180**
	"	4.0	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2,120**
	"	5.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	282
S-7	10/16/2023	0-1	<49.7	**180**	<49.7	**180**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**16,700**
	"	1.5	<49.7	57.5	<49.7	57.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**7,530**
	"	2	<49.6	**112**	<49.6	**112**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**15,300**
T-6	12/5/2023	0-1	<49.7	57.4	<49.7	57.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5,600**
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**2,800**
	"	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	547
	"	3.0	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	22.5
	"	4.0	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	291
S-8	10/16/2023	0-1	<49.5	**158**	<49.5	**158**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**14,000**
	"	1.5	<49.5	55.0	<49.5	55.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**7,750**
	"	2	<50.4	**150**	<50.4	**150**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**20,400**
T-7	12/5/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	80.9
	"	1.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	126
	"	2.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	136
	"	3.0	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	26.5
S-9	10/16/2023	0-1	<50.3	**233**	<50.3	**233**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**17,200**
	"	1.5	<49.9	50.5	<49.9	50.5	<0.00249	<0.00249	<0.00249	<0.00499	<0.00499	**8,020**
	"	2	<50.5	**208**	<50.5	**208**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**20,700**
T-8	12/5/2023	0-1	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**5,230**
	"	1.5	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**4,120**
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**622**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	35.9
S-10	10/16/2023	0-1	<50.0	**251**	<50.0	**251**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**13,800**
	"	1.5	<50.5	60.8	<50.5	60.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**9,100**
	"	2	<50.0	**155**	**<50.0**	155	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**19,600**
T-9	12/5/2023	0-1	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**10,900**
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**4,460**
	"	2.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**6,260**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**9,300**
	"	4.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,840**
	"	5.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**664**
	"	6.0	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	86.7
	"	7.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	8.09
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 Points
(T) Trench Location
Proposed Excavation

Table 1
COG Operating
Asio Otus Federal 003H (07.16.23)
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	10/16/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	57.2
H-2	10/16/2023	0-0.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.0
H-3	10/16/2023	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	43.2
H-4	10/16/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	345
H-5	10/16/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.4
H-6	10/16/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	38.8
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) Horizontals

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

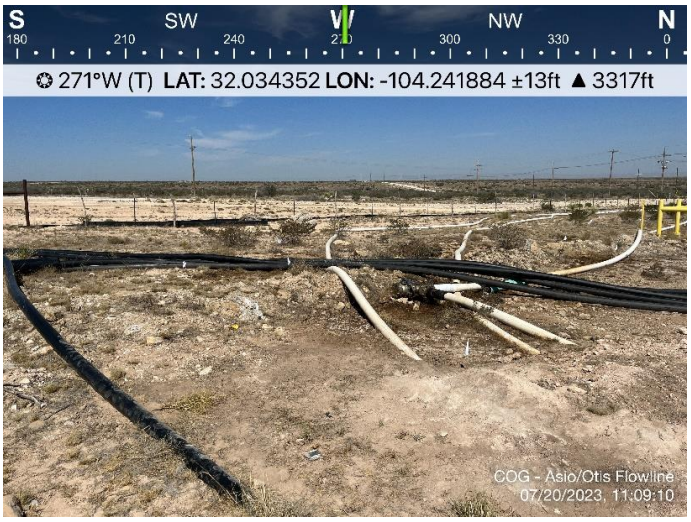
Concho Operating, LLC

Photograph No. 1

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View West of Point of Release (POR)



Photograph No. 2

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View West of Point of Release (POR)

Photograph No. 3

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Northwest, area of S-1.

PHOTOGRAPHIC LOG

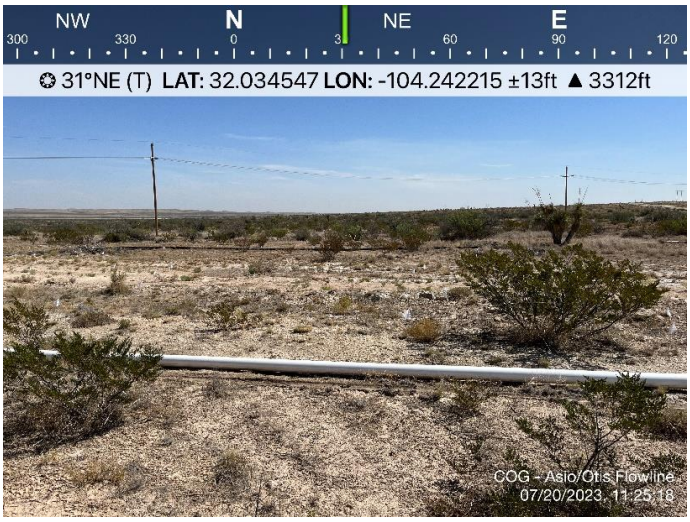
Concho Operating, LLC

Photograph No. 4

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Northeast, area of S-2/T-1.



Photograph No. 5

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Southeast, area of S-3/T-2.

Photograph No. 6

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Southeast, area of S-4/T-3.

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 7

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

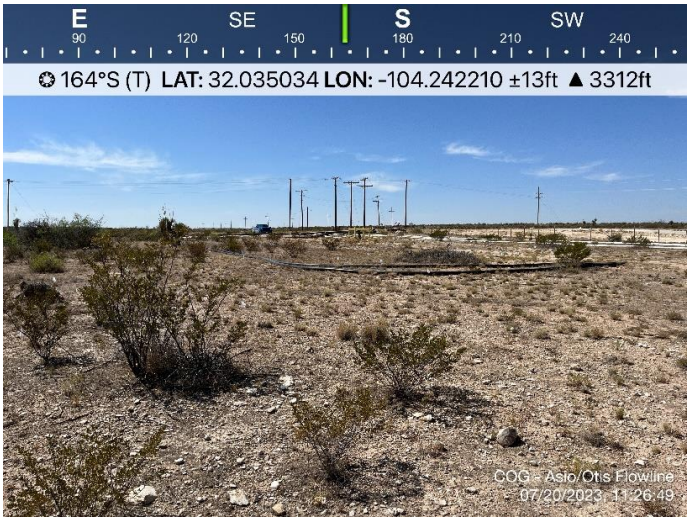
Description:
View Southeast, area of S-4/T-3.

Photograph No. 8

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View South, area of S-5/T-4.



Photograph No. 9

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Southwest, area of S-5/T-4.

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 10

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View West, area of S-6/T-5.

Photograph No. 11

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

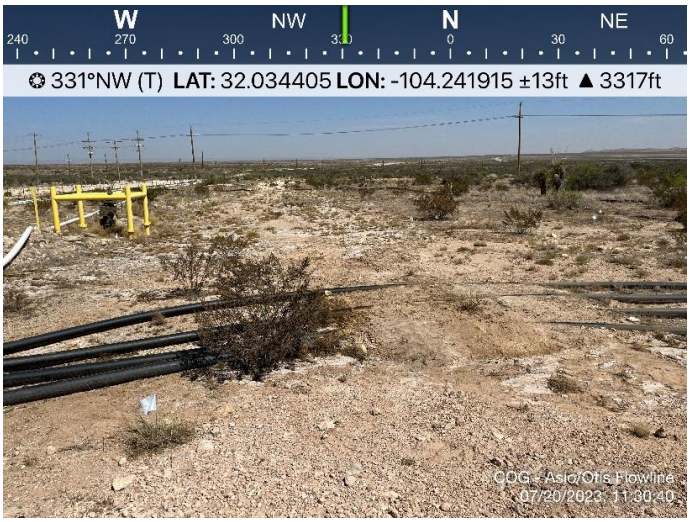
Description:
View Southeast, area of S-7/T-6.

Photograph No. 12

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Northwest, area of S-8/T-7.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 13

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Southwest, area of S-8/T-7 and S-9/T-8.

Photograph No. 14

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View West, area of S-9/T-8.

Photograph No. 15

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View West, area of S-9/T-8.

PHOTOGRAPHIC LOG

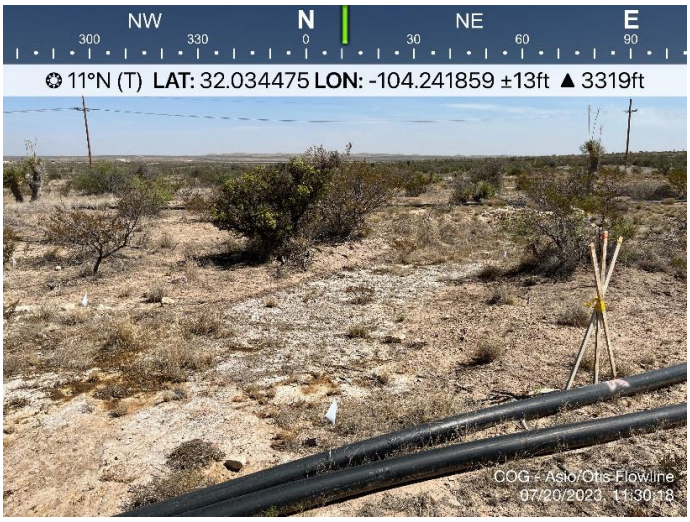
Concho Operating, LLC

Photograph No. 16

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View North, area of S-9/T-8.



Photograph No. 17

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

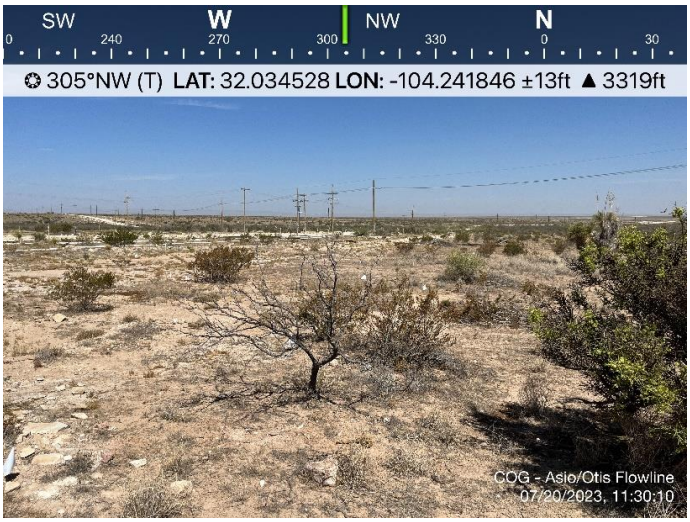
Description:
View Northeast, area of S-10/T-9.

Photograph No. 18

Facility: Asio Otus Federal 003H (07.16.23)

County: Eddy County, New Mexico

Description:
View Northwest, area of S-10/T-9.



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		

State of New Mexico
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 not 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:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Spill Calculation - Subsurface Spill - Rectangle

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.)
Rectangle A	250.0	50.0	0.5	Off-Pad	14.60%	92.71	13.54
Rectangle B	20.0	10.0	0.5	Off-Pad	14.60%	1.48	0.22
Rectangle C				Off-Pad	14.60%	0.00	0.00
Rectangle D				Off-Pad	14.60%	0.00	0.00
Rectangle E				Off-Pad	14.60%	0.00	0.00
Rectangle F						0.00	
Rectangle G						0.00	
Rectangle H						0.00	
Rectangle I						0.00	
Rectangle J						0.00	
					Total Subsurface Volume Released:		13.7520

[redacted]

Remediation Recommendation

Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rule of Thumb - RMR Handover Volume, (yd^3.)
24.11	750
0.39	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
0.00	
24.50	BU

State of New Mexico
Oil Conservation Division

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.

Form C-141
Page 4

State of New Mexico
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: _____

State of New Mexico
Oil Conservation Division

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: _____

APPENDIX D

CARMONA RESOURCES

Nearest Water Wells

COG Operating

Legend

- 0.50 Mile Radius
- 1.33 Miles
- 1.86 Miles
- 1.93 Miles
- NMSEO Water Well
- Asio Otus Federal 003H (07.16.23)
- USGS Water Well

12.60' Drilled 2018

35.92' - Drilled 1998

31' Drilled 1980

Asio Otus Federal 003H (07.16.23)

N

1 mi

High Karst
COG Operating

Legend
Asio Otus Federal 003H (07.16.23)
High

Asio Otus Federal 003H (07.16.23)

Google Earth

4000 ft

N

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04269 POD1	CUB	ED	4	2	3	18	26S	27E	572620	3545176	1303	105		
C 02438	CUB	ED	4	2	3	12	26S	26E	571015	3546705*	1996	30		
C 02218	CUB	ED	4	1	4	07	26S	27E	573039	3546725*	2577	35		
C 01887	C	ED	4	4	2	15	26S	26E	568614	3545497*	2876	53	31	22
C 02439	CUB	ED	2	4	2	15	26S	26E	568614	3545697*	2935	30		

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 571390 **Northing (Y):** 3544744 **Radius:** 4000

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

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 hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 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 date-time accuracy	? Parameter code		Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? 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.

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-06-29 12:40:17 EDT
0.29 0.25 nadww01

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320244104161501

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

USGS 320244104161501 26S.26E.15.24444

Eddy County, New Mexico
Latitude 32°02'44", Longitude 104°16'15" NAD27
Land-surface elevation 3,280 feet above NAVD88
The depth of the well is 53 feet below land surface.
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
1983-08-24		D	62610		3246.37	NGVD29	1	Z		
1983-08-24		D	62611		3248.04	NAVD88	1	Z		
1983-08-24		D	72019	31.96			1	Z		
1987-10-08		D	62610		3248.64	NGVD29	1	Z		
1987-10-08		D	62611		3250.31	NAVD88	1	Z		
1987-10-08		D	72019	29.69			1	Z		
1992-11-18		D	62610		3246.72	NGVD29	1	S		
1992-11-18		D	62611		3248.39	NAVD88	1	S		
1992-11-18		D	72019	31.61			1	S		
1998-01-08		D	62610		3242.41	NGVD29	1	S		
1998-01-08		D	62611		3244.08	NAVD88	1	S		
1998-01-08		D	72019	35.92			1	S		

Explanation

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

Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-06-29 12:41:15 EDT
0.28 0.24 nadww01

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 01887	4	4	2	15	26S	26E	568614	3545497*

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

Water Bearing Stratifications:	Top	Bottom	Description
	42	45	Sandstone/Gravel/Conglomerate

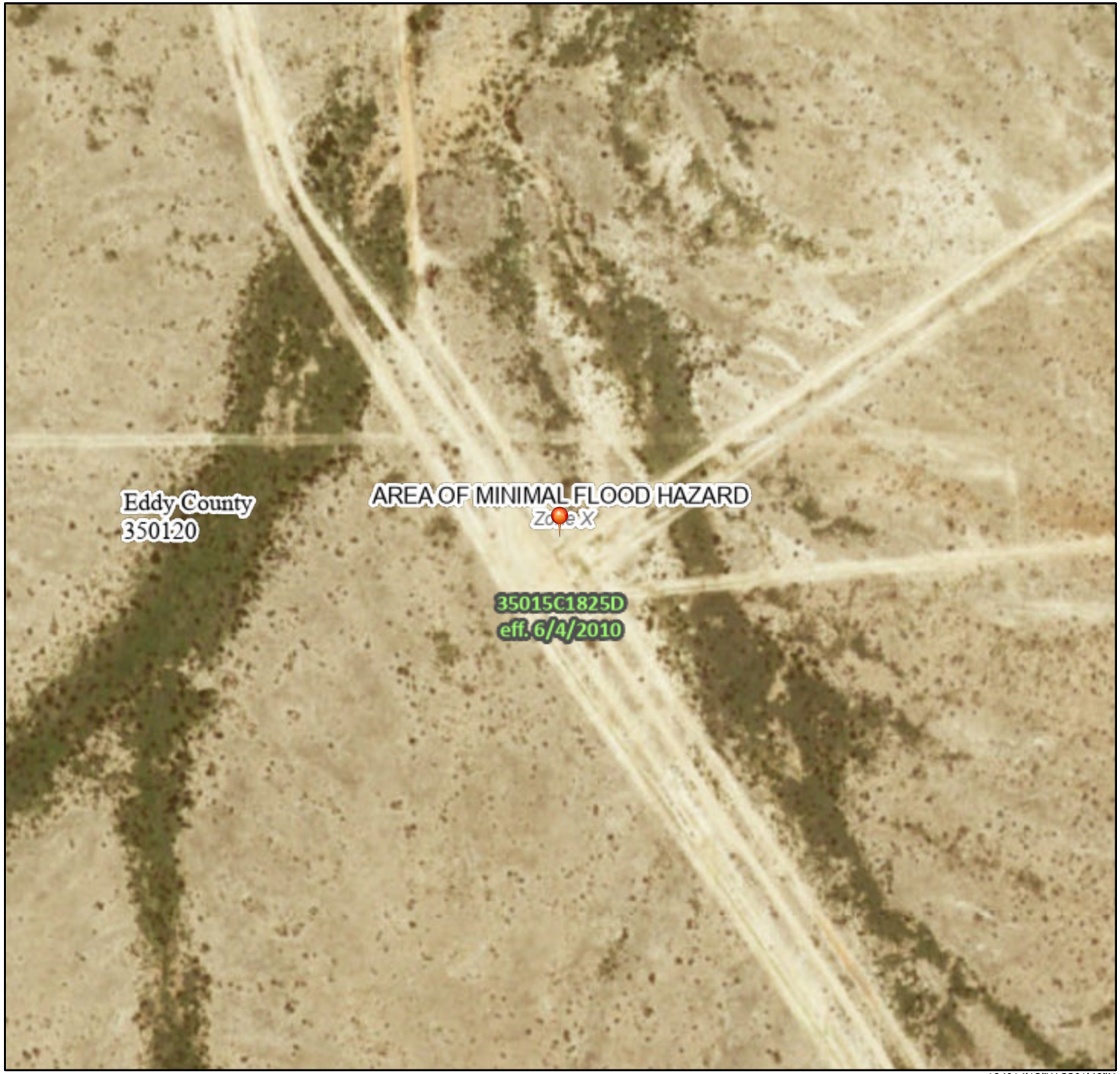
Casing Perforations:	Top	Bottom
	40	53

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

National Flood Hazard Layer FIRMette

FEMA

104°14'50"W 32°2'19"N



104°14'12"W 32°1'48"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/11/2024 at 6:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/25/2023 10:46:30 AM

JOB DESCRIPTION

Asio Flowline
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-34717-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

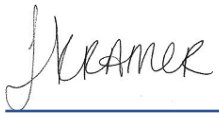
Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/25/2023 10:46:30 AM

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

Client: Carmona Resources
Project/Site: Asio Flowline

Laboratory Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Job ID: 880-34717-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-34717-1

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 10/20/2023 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-34717-1), S-1 (1.5') (880-34717-2), S-1 (2') (880-34717-3), S-2 (0-1') (880-34717-4), S-2 (1.5') (880-34717-5), S-3 (0-1') (880-34717-6), S-3 (1.5') (880-34717-7), S-4 (0-1') (880-34717-8), S-4 (1.5') (880-34717-9), S-5 (0-1') (880-34717-10), S-5 (1.5') (880-34717-11), S-6 (0-1') (880-34717-12), S-6 (1.5') (880-34717-13), S-6 (2') (880-34717-14), S-7 (0-1') (880-34717-15), S-7 (1.5') (880-34717-16), S-7 (2') (880-34717-17), S-8 (0-1') (880-34717-18), S-8 (1.5') (880-34717-19), S-8 (2') (880-34717-20), S-9 (0-1') (880-34717-21), S-9 (1.5') (880-34717-22), S-9 (2') (880-34717-23), S-10 (0-1') (880-34717-24), S-10 (1.5') (880-34717-25) and S-10 (2') (880-34717-26).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-65159 and 880-65235 and analytical batch 880-65138 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-1') (880-34717-1), S-1 (1.5') (880-34717-2), S-1 (2') (880-34717-3), S-2 (0-1') (880-34717-4), S-3 (1.5') (880-34717-7), S-4 (0-1') (880-34717-8), S-4 (1.5') (880-34717-9), S-6 (0-1') (880-34717-12), S-7 (0-1') (880-34717-15), S-7 (1.5') (880-34717-16) and S-8 (1.5') (880-34717-19). 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: (LCS 880-65234/1-A) and (LCSD 880-65234/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-34717-A-1-A MS) and (880-34717-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-65136 recovered above the upper control limit for m-Xylene & p-Xylene and o-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 880-65136/35).

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 880-65277 and 880-65280 and analytical batch 880-65285 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-65277 and analytical batch 880-65285 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Job ID: 880-34717-1 (Continued)

Laboratory: Eurofins Midland (Continued)

and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-65081 and analytical batch 880-65261 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:51	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:51	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:51	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:23	10/20/23 22:51	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:51	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		10/20/23 14:23	10/20/23 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:51*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/20/23 22:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/20/23 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**130**		49.5		mg/Kg			10/22/23 11:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 11:12	1
Diesel Range Organics (Over C10-C28)	**130**	**F1**	49.5		mg/Kg		10/21/23 16:14	10/22/23 11:12	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 11:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/23 16:14*	*10/22/23 11:12*	*1*
o-Terphenyl	*114*		*70 - 130*	*10/21/23 16:14*	*10/22/23 11:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16700**		251		mg/Kg			10/24/23 06:01	50

Client Sample ID: S-1 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/20/23 23:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/20/23 23:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/20/23 23:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/20/23 23:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/20/23 23:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/20/23 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/20/23 23:11*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/20/23 23:11*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/20/23 23:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**61.1**		50.5		mg/Kg			10/22/23 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 12:18	1
Diesel Range Organics (Over C10-C28)	**61.1**		50.5		mg/Kg		10/21/23 16:14	10/22/23 12:18	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*10/21/23 16:14*	*10/22/23 12:18*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/21/23 16:14*	*10/22/23 12:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6910**		101		mg/Kg			10/24/23 06:07	20

Client Sample ID: S-1 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 23:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 23:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 23:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/20/23 23:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 23:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/20/23 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/20/23 14:23*	*10/20/23 23:31*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/23 14:23*	*10/20/23 23:31*	*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			10/20/23 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**58.2**		50.1		mg/Kg			10/22/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/21/23 16:14	10/22/23 12:40	1
Diesel Range Organics (Over C10-C28)	**58.2**		50.1		mg/Kg		10/21/23 16:14	10/22/23 12:40	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/21/23 16:14	10/22/23 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*10/21/23 16:14*	*10/22/23 12:40*	*1*
o-Terphenyl	*81*		*70 - 130*	*10/21/23 16:14*	*10/22/23 12:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.1**		4.97		mg/Kg			10/24/23 12:52	1

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/20/23 23:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/20/23 23:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/20/23 23:52	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/20/23 14:23	10/20/23 23:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/20/23 23:52	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/20/23 14:23	10/20/23 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*10/20/23 14:23*	*10/20/23 23:52*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/20/23 23:52*	*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			10/20/23 23:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**122**		49.9		mg/Kg			10/22/23 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/23 16:14	10/22/23 13:02	1
Diesel Range Organics (Over C10-C28)	**122**		49.9		mg/Kg		10/21/23 16:14	10/22/23 13:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/23 16:14	10/22/23 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:02*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16200**		252		mg/Kg			10/24/23 06:34	50

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-34717-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 00:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 00:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 00:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/20/23 14:23	10/21/23 00:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 00:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/20/23 14:23	10/21/23 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/20/23 14:23*	*10/21/23 00:12*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*10/20/23 14:23*	*10/21/23 00:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/21/23 00:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.9**		50.0		mg/Kg			10/22/23 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 13:25	1
Diesel Range Organics (Over C10-C28)	**53.9**		50.0		mg/Kg		10/21/23 16:14	10/22/23 13:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:25*	*1*
o-Terphenyl	*97*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8160**		100		mg/Kg			10/24/23 06:41	20

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

Lab Sample ID: 880-34717-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 00:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 00:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*10/20/23 14:23*	*10/21/23 00:33*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/20/23 14:23*	*10/21/23 00:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			10/21/23 00:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**169**		49.6		mg/Kg			10/22/23 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/21/23 16:14	10/22/23 13:47	1
Diesel Range Organics (Over C10-C28)	**169**		49.6		mg/Kg		10/21/23 16:14	10/22/23 13:47	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:14	10/22/23 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:47*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:14*	*10/22/23 13:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13700**		99.4		mg/Kg			10/24/23 06:47	20

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34717-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 00:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 00:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 00:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*10/20/23 14:23*	*10/21/23 00:53*	*1*
1,4-Difluorobenzene (Surr)	*54*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 00:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 00:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.8**		50.3		mg/Kg			10/22/23 14:09	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	<50.3	U	50.3		mg/Kg		10/21/23 16:14	10/22/23 14:09	1
Diesel Range Organics (Over C10-C28)	**55.8**		50.3		mg/Kg		10/21/23 16:14	10/22/23 14:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34717-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:14	10/22/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:09*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7770**		101		mg/Kg			10/24/23 06:54	20

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

Lab Sample ID: 880-34717-8
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 01:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 01:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*10/20/23 14:23*	*10/21/23 01:14*	*1*
1,4-Difluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 01:14*	*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			10/21/23 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**192**		50.1		mg/Kg			10/22/23 14:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		10/21/23 16:14	10/22/23 14:32	1
Diesel Range Organics (Over C10-C28)	**192**		50.1		mg/Kg		10/21/23 16:14	10/22/23 14:32	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		10/21/23 16:14	10/22/23 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:32*	*1*
o-Terphenyl	*88*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16800**		253		mg/Kg			10/24/23 07:00	50

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-34717-9
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 01:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 01:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 01:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/20/23 14:23*	*10/21/23 01:34*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 01:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 01:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**59.6**		50.5		mg/Kg			10/22/23 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 14:53	1
Diesel Range Organics (Over C10-C28)	**59.6**		50.5		mg/Kg		10/21/23 16:14	10/22/23 14:53	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:53*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/21/23 16:14*	*10/22/23 14:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5400**		101		mg/Kg			10/24/23 07:20	20

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

Lab Sample ID: 880-34717-10
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 01:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 01:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 01:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 01:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 01:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/20/23 14:23*	*10/21/23 01:53*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/20/23 14:23*	*10/21/23 01:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**221**		49.7		mg/Kg			10/22/23 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 15:15	1
Diesel Range Organics (Over C10-C28)	**221**		49.7		mg/Kg		10/21/23 16:14	10/22/23 15:15	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/21/23 16:14*	*10/22/23 15:15*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:14*	*10/22/23 15:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16700**		251		mg/Kg			10/24/23 07:27	50

Client Sample ID: S-5 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 03:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 03:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 03:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 03:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 03:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*10/20/23 14:23*	*10/21/23 03:16*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/23 14:23*	*10/21/23 03:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**53.7**		50.0		mg/Kg			10/22/23 16:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 16:00	1
Diesel Range Organics (Over C10-C28)	**53.7**		50.0		mg/Kg		10/21/23 16:14	10/22/23 16:00	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8180**		101		mg/Kg			10/24/23 07:47	20

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 03:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 03:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*10/20/23 14:23*	*10/21/23 03:36*	*1*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 03:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**378**		50.3		mg/Kg			10/22/23 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/21/23 16:14	10/22/23 16:22	1
Diesel Range Organics (Over C10-C28)	**378**		50.3		mg/Kg		10/21/23 16:14	10/22/23 16:22	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:14	10/22/23 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:22*	*1*
o-Terphenyl	*91*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14800**		251		mg/Kg			10/24/23 07:53	50

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-34717-13
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 03:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 03:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 03:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/23 14:23	10/21/23 03:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 03:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/23 14:23	10/21/23 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*10/20/23 14:23*	*10/21/23 03:57*	*1*
1,4-Difluorobenzene (Surr)	*70*		*70 - 130*	*10/20/23 14:23*	*10/21/23 03:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/21/23 03:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.3**		50.4		mg/Kg			10/22/23 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		10/21/23 16:14	10/22/23 16:44	1
Diesel Range Organics (Over C10-C28)	**74.3**		50.4		mg/Kg		10/21/23 16:14	10/22/23 16:44	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/21/23 16:14	10/22/23 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:44*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/21/23 16:14*	*10/22/23 16:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6760**		101		mg/Kg			10/24/23 12:58	20

Client Sample ID: S-6 (2')

Lab Sample ID: 880-34717-14
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 04:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 04:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 04:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 04:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 04:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*10/20/23 14:23*	*10/21/23 04:17*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/21/23 04:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 04:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**117**		50.5		mg/Kg			10/22/23 17:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 17:06	1
Diesel Range Organics (Over C10-C28)	**117**		50.5		mg/Kg		10/21/23 16:14	10/22/23 17:06	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:14	10/22/23 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:06*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15000**		251		mg/Kg			10/24/23 08:07	50

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 04:37	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 04:37	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 04:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		10/20/23 14:23	10/21/23 04:37	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/20/23 14:23	10/21/23 04:37	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		10/20/23 14:23	10/21/23 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*10/20/23 14:23*	*10/21/23 04:37*	*1*
1,4-Difluorobenzene (Surr)	*60*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 04:37*	*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			10/21/23 04:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**180**		49.7		mg/Kg			10/22/23 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 17:28	1
Diesel Range Organics (Over C10-C28)	**180**		49.7		mg/Kg		10/21/23 16:14	10/22/23 17:28	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:28*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16700**		248		mg/Kg			10/24/23 08:13	50

Client Sample ID: S-7 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 04:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 04:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 04:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 04:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 04:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/21/23 04:58*	*1*
1,4-Difluorobenzene (Surr)	*62*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 04:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 04:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.5**		49.7		mg/Kg			10/22/23 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 17:50	1
Diesel Range Organics (Over C10-C28)	**57.5**		49.7		mg/Kg		10/21/23 16:14	10/22/23 17:50	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		10/21/23 16:14	10/22/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:50*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:14*	*10/22/23 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7530**		99.8		mg/Kg			10/24/23 08:20	20

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-17
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 05:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 05:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 05:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 05:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:23	10/21/23 05:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:23	10/21/23 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:23*	*10/21/23 05:18*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*10/20/23 14:23*	*10/21/23 05:18*	*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			10/21/23 05:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**112**		49.6		mg/Kg			10/22/23 18:12	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	<49.6	U	49.6		mg/Kg		10/21/23 16:14	10/22/23 18:12	1
Diesel Range Organics (Over C10-C28)	**112**		49.6		mg/Kg		10/21/23 16:14	10/22/23 18:12	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:14	10/22/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:12*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15300**		250		mg/Kg			10/24/23 08:27	50

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-18
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 05:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 05:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 05:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 05:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 05:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/20/23 14:23	10/21/23 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/20/23 14:23*	*10/21/23 05:39*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/20/23 14:23*	*10/21/23 05:39*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-18
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/21/23 05:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**158**		49.5		mg/Kg			10/22/23 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 18:34	1
Diesel Range Organics (Over C10-C28)	**158**		49.5		mg/Kg		10/21/23 16:14	10/22/23 18:34	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:34*	*1*
o-Terphenyl	*80*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14000**		251		mg/Kg			10/23/23 14:40	50

Client Sample ID: S-8 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-19
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 05:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 05:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 05:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/20/23 14:23	10/21/23 05:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/20/23 14:23	10/21/23 05:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/20/23 14:23	10/21/23 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*10/20/23 14:23*	*10/21/23 05:59*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*10/20/23 14:23*	*10/21/23 05:59*	*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			10/21/23 05:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.0**		49.5		mg/Kg			10/22/23 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 18:57	1
Diesel Range Organics (Over C10-C28)	**55.0**		49.5		mg/Kg		10/21/23 16:14	10/22/23 18:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-34717-19
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		10/21/23 16:14	10/22/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:57*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:14*	*10/22/23 18:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7750**		100		mg/Kg			10/23/23 14:45	20

Client Sample ID: S-8 (2')

Lab Sample ID: 880-34717-20
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:23	10/21/23 06:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 06:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 06:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 06:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/21/23 06:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:23	10/21/23 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*10/20/23 14:23*	*10/21/23 06:18*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/20/23 14:23*	*10/21/23 06:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/21/23 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	**150**		50.4		mg/Kg			10/22/23 19:19	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	<50.4	U	50.4		mg/Kg		10/21/23 16:14	10/22/23 19:19	1
Diesel Range Organics (Over C10-C28)	**150**		50.4		mg/Kg		10/21/23 16:14	10/22/23 19:19	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/21/23 16:14	10/22/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*10/21/23 16:14*	*10/22/23 19:19*	*1*
o-Terphenyl	*105*		*70 - 130*	*10/21/23 16:14*	*10/22/23 19:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20400**		252		mg/Kg			10/23/23 14:51	50

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 19:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:42*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/23 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**233**		50.3		mg/Kg			10/22/23 23:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/21/23 16:22	10/22/23 23:21	1
Diesel Range Organics (Over C10-C28)	**233**		50.3		mg/Kg		10/21/23 16:22	10/22/23 23:21	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:22	10/22/23 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:21*	*1*
o-Terphenyl	*110*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17200**		252		mg/Kg			10/23/23 14:56	50

Client Sample ID: S-9 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-22
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00249	U	0.00249		mg/Kg		10/23/23 14:42	10/24/23 20:03	1
Toluene	<0.00249	U	0.00249		mg/Kg		10/23/23 14:42	10/24/23 20:03	1
Ethylbenzene	<0.00249	U	0.00249		mg/Kg		10/23/23 14:42	10/24/23 20:03	1
m-Xylene & p-Xylene	<0.00499	U	0.00499		mg/Kg		10/23/23 14:42	10/24/23 20:03	1
o-Xylene	<0.00249	U	0.00249		mg/Kg		10/23/23 14:42	10/24/23 20:03	1
Xylenes, Total	<0.00499	U	0.00499		mg/Kg		10/23/23 14:42	10/24/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:03*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:03*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (1.5')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-22
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00499	U	0.00499		mg/Kg			10/24/23 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.5**		49.9		mg/Kg			10/22/23 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		10/21/23 16:22	10/22/23 23:43	1
Diesel Range Organics (Over C10-C28)	**50.5**		49.9		mg/Kg		10/21/23 16:22	10/22/23 23:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/21/23 16:22	10/22/23 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:43*	*1*
o-Terphenyl	*122*		*70 - 130*	*10/21/23 16:22*	*10/22/23 23:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8020**		99.4		mg/Kg			10/23/23 15:02	20

Client Sample ID: S-9 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 20:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:23*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:23*	*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			10/24/23 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**208**		50.5		mg/Kg			10/23/23 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		10/21/23 16:22	10/23/23 00:04	1
Diesel Range Organics (Over C10-C28)	**208**		50.5		mg/Kg		10/21/23 16:22	10/23/23 00:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-9 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:22	10/23/23 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:04*	*1*
o-Terphenyl	*125*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20700**		248		mg/Kg			10/21/23 06:26	50

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-24
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 20:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 20:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:43*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*10/23/23 14:42*	*10/24/23 20:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/23 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**251**		50.0		mg/Kg			10/23/23 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/23/23 00:25	1
Diesel Range Organics (Over C10-C28)	**251**		50.0		mg/Kg		10/21/23 16:22	10/23/23 00:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/23/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:25*	*1*
o-Terphenyl	*113*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13800**		249		mg/Kg			10/21/23 06:33	50

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-34717-25
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:22	10/21/23 18:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 18:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 18:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/20/23 14:22	10/21/23 18:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 18:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/20/23 14:22	10/21/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*10/20/23 14:22*	*10/21/23 18:12*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*10/20/23 14:22*	*10/21/23 18:12*	*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			10/21/23 18:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**60.8**		50.5		mg/Kg			10/23/23 00:46	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	<50.5	U	50.5		mg/Kg		10/21/23 16:22	10/23/23 00:46	1
Diesel Range Organics (Over C10-C28)	**60.8**		50.5		mg/Kg		10/21/23 16:22	10/23/23 00:46	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		10/21/23 16:22	10/23/23 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:46*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/21/23 16:22*	*10/23/23 00:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9100**		99.0		mg/Kg			10/21/23 06:39	20

Client Sample ID: S-10 (2')

Lab Sample ID: 880-34717-26
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:22	10/21/23 18:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 18:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 18:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:22	10/21/23 18:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:22	10/21/23 18:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:22	10/21/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/20/23 14:22*	*10/21/23 18:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/20/23 14:22*	*10/21/23 18:33*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-10 (2')

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34717-26

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 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	**155**		50.0		mg/Kg			10/23/23 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/23/23 01:08	1
Diesel Range Organics (Over C10-C28)	**155**		50.0		mg/Kg		10/21/23 16:22	10/23/23 01:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/23/23 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*10/21/23 16:22*	*10/23/23 01:08*	*1*
o-Terphenyl	*120*		*70 - 130*	*10/21/23 16:22*	*10/23/23 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19600**		249		mg/Kg			10/21/23 06:46	50

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
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)										
880-34567-A-82-E MS	Matrix Spike	102	101										
880-34567-A-82-F MSD	Matrix Spike Duplicate	99	102										
880-34716-A-3-G MS	Matrix Spike	114	91										
880-34716-A-3-H MSD	Matrix Spike Duplicate	115	89										
880-34717-1	S-1 (0-1')	90	63 S1-										
880-34717-1 MS	S-1 (0-1')	145 S1+	117										
880-34717-1 MSD	S-1 (0-1')	149 S1+	114										
880-34717-2	S-1 (1.5')	86	62 S1-										
880-34717-3	S-1 (2')	101	70										
880-34717-4	S-2 (0-1')	83	61 S1-										
880-34717-5	S-2 (1.5')	93	77										
880-34717-6	S-3 (0-1')	88	76										
880-34717-7	S-3 (1.5')	104	54 S1-										
880-34717-8	S-4 (0-1')	85	67 S1-										
880-34717-9	S-4 (1.5')	84	65 S1-										
880-34717-10	S-5 (0-1')	95	93										
880-34717-11	S-5 (1.5')	128	70										
880-34717-12	S-6 (0-1')	110	59 S1-										
880-34717-13	S-6 (1.5')	88	70										
880-34717-14	S-6 (2')	88	86										
880-34717-15	S-7 (0-1')	103	60 S1-										
880-34717-16	S-7 (1.5')	86	62 S1-										
880-34717-17	S-7 (2')	90	85										
880-34717-18	S-8 (0-1')	89	87										
880-34717-19	S-8 (1.5')	95	61 S1-										
880-34717-20	S-8 (2')	78	93										
880-34717-21	S-9 (0-1')	86	82										
880-34717-22	S-9 (1.5')	82	91										
880-34717-23	S-9 (2')	90	76										
880-34717-24	S-10 (0-1')	87	80										
880-34717-25	S-10 (1.5')	106	118										
880-34717-26	S-10 (2')	101	100										
LCS 880-65159/1-A	Lab Control Sample	96	101										
LCS 880-65234/1-A	Lab Control Sample	136 S1+	113										
LCS 880-65370/1-A	Lab Control Sample	123	112										
LCSD 880-65159/2-A	Lab Control Sample Dup	101	110										
LCSD 880-65234/2-A	Lab Control Sample Dup	147 S1+	100										
LCSD 880-65370/2-A	Lab Control Sample Dup	113	104										
MB 880-65105/5-A	Method Blank	79	92										
MB 880-65159/5-A	Method Blank	108	134 S1+										
MB 880-65234/5-A	Method Blank	86	73										
MB 880-65235/5-A	Method Blank	109	147 S1+										
MB 880-65370/5-A	Method Blank	72	97										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
Job ID: 880-34717-1
Project/Site: Asio Flowline
SDG: Eddy County, New Mexico

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-34714-A-1-H MS	Matrix Spike	100	102
880-34714-A-1-I MSD	Matrix Spike Duplicate	105	104
880-34717-1	S-1 (0-1')	108	114
880-34717-1 MS	S-1 (0-1')	77	76
880-34717-1 MSD	S-1 (0-1')	94	91
880-34717-2	S-1 (1.5')	85	96
880-34717-3	S-1 (2')	75	81
880-34717-4	S-2 (0-1')	95	96
880-34717-5	S-2 (1.5')	87	97
880-34717-6	S-3 (0-1')	97	102
880-34717-7	S-3 (1.5')	100	108
880-34717-8	S-4 (0-1')	84	88
880-34717-9	S-4 (1.5')	108	118
880-34717-10	S-5 (0-1')	98	102
880-34717-11	S-5 (1.5')	93	102
880-34717-12	S-6 (0-1')	86	91
880-34717-13	S-6 (1.5')	93	103
880-34717-14	S-6 (2')	107	118
880-34717-15	S-7 (0-1')	100	105
880-34717-16	S-7 (1.5')	92	102
880-34717-17	S-7 (2')	97	107
880-34717-18	S-8 (0-1')	78	80
880-34717-19	S-8 (1.5')	94	102
880-34717-20	S-8 (2')	95	105
880-34717-21	S-9 (0-1')	104	110
880-34717-22	S-9 (1.5')	108	122
880-34717-23	S-9 (2')	111	125
880-34717-24	S-10 (0-1')	107	113
880-34717-25	S-10 (1.5')	108	120
880-34717-26	S-10 (2')	108	120
LCS 880-65277/2-A	Lab Control Sample	102	111
LCS 880-65280/2-A	Lab Control Sample	92	102
LCSD 880-65277/3-A	Lab Control Sample Dup	91	99
LCSD 880-65280/3-A	Lab Control Sample Dup	115	127
MB 880-65277/1-A	Method Blank	164 S1+	186 S1+
MB 880-65280/1-A	Method Blank	149 S1+	170 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65105/5-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:10	10/20/23 10:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:10	10/20/23 10:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:10	10/20/23 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/19/23 16:10	10/20/23 10:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/19/23 16:10	10/20/23 10:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/19/23 16:10	10/20/23 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*10/19/23 16:10*	*10/20/23 10:53*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/19/23 16:10*	*10/20/23 10:53*	*1*

Lab Sample ID: MB 880-65159/5-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:22	10/21/23 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:22	10/21/23 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*10/20/23 14:22*	*10/21/23 10:39*	*1*
1,4-Difluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*10/20/23 14:22*	*10/21/23 10:39*	*1*

Lab Sample ID: LCS 880-65159/1-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.08820		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.08658		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1819		mg/Kg		91	70 - 130
o-Xylene	0.100	0.08621		mg/Kg		86	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-65159/2-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1101		mg/Kg		110	70 - 130	7	35

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-65159/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65159**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08618		mg/Kg		86	70 - 130	2	35
Ethylbenzene			0.100	0.08596		mg/Kg		86	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1947		mg/Kg		97	70 - 130	7	35
o-Xylene			0.100	0.09385		mg/Kg		94	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-34567-A-82-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65159**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1068		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.0996	0.08908		mg/Kg		89	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.08298		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1722		mg/Kg		86	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09204		mg/Kg		92	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-34567-A-82-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65138 — **Prep Batch: 65159**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1051		mg/Kg		106	70 - 130	2	35
Toluene	<0.00199	U	0.0990	0.08719		mg/Kg		88	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0990	0.07533		mg/Kg		76	70 - 130	10	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1591		mg/Kg		80	70 - 130	8	35
o-Xylene	<0.00199	U	0.0990	0.08664		mg/Kg		88	70 - 130	6	35

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

Lab Sample ID: MB 880-65234/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65234**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-65234/5-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*

Lab Sample ID: LCS 880-65234/1-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65234

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08015		mg/Kg		80	70 - 130
Toluene	0.100	0.08552		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2166		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1102		mg/Kg		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-65234/2-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65234

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08095		mg/Kg		81	70 - 130	1	35
Toluene	0.100	0.08742		mg/Kg		87	70 - 130	2	35
Ethylbenzene	0.100	0.1068		mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2272		mg/Kg		114	70 - 130	5	35
o-Xylene	0.100	0.1163		mg/Kg		116	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-34717-1 MS
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 65234

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0996	0.09055		mg/Kg		91	70 - 130
Toluene	<0.00200	U F1	0.0996	0.09342		mg/Kg		94	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.1043		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.2131		mg/Kg		107	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.1059		mg/Kg		106	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-1 MS
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 65234

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: 880-34717-1 MSD
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: S-1 (0-1')
Prep Type: Total/NA
Prep Batch: 65234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0990	0.08586		mg/Kg		87	70 - 130	5	35
Toluene	<0.00200	U F1	0.0990	0.08932		mg/Kg		90	70 - 130	4	35
Ethylbenzene	<0.00200	U F1	0.0990	0.1014		mg/Kg		102	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	0.2084		mg/Kg		105	70 - 130	2	35
o-Xylene	<0.00200	U F1	0.0990	0.1030		mg/Kg		104	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	149	S1+	70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: MB 880-65235/5-A
Matrix: Solid
Analysis Batch: 65138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:43	10/20/23 23:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:43	10/20/23 23:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/20/23 14:43	10/20/23 23:03	1
1,4-Difluorobenzene (Surr)	147	S1+	70 - 130	10/20/23 14:43	10/20/23 23:03	1

Lab Sample ID: MB 880-65370/5-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/23/23 14:42	10/24/23 11:07	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-65370/5-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65370

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	10/23/23 14:42	10/24/23 11:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/23/23 14:42	10/24/23 11:07	1

Lab Sample ID: LCS 880-65370/1-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65370

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08870		mg/Kg		89	70 - 130		
Toluene			0.100	0.09900		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1124		mg/Kg		112	70 - 130		
m-Xylene & p-Xylene			0.200	0.2385		mg/Kg		119	70 - 130		
o-Xylene			0.100	0.1137		mg/Kg		114	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-65370/2-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65370

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09201		mg/Kg		92	70 - 130	4	35
Toluene			0.100	0.09626		mg/Kg		96	70 - 130	3	35
Ethylbenzene			0.100	0.09835		mg/Kg		98	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2147		mg/Kg		107	70 - 130	10	35
o-Xylene			0.100	0.1029		mg/Kg		103	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-34716-A-3-G MS
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65370

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0994	0.08660		mg/Kg		87	70 - 130		
Toluene	<0.00201	U	0.0994	0.09211		mg/Kg		93	70 - 130		
Ethylbenzene	<0.00201	U	0.0994	0.09567		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2052		mg/Kg		103	70 - 130		
o-Xylene	<0.00201	U	0.0994	0.09869		mg/Kg		99	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-A-3-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65442 — **Prep Batch: 65370**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09784		mg/Kg		98	70 - 130	12	35
Toluene	<0.00201	U	0.0998	0.1064		mg/Kg		107	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.0998	0.1091		mg/Kg		109	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2346		mg/Kg		118	70 - 130	13	35
o-Xylene	<0.00201	U	0.0998	0.1122		mg/Kg		112	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-65277/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

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		10/21/23 16:14	10/22/23 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 08:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:14	10/22/23 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*10/21/23 16:14*	*10/22/23 08:17*	*1*
o-Terphenyl	*186*	*S1+*	*70 - 130*	*10/21/23 16:14*	*10/22/23 08:17*	*1*

Lab Sample ID: LCS 880-65277/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1056		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*102*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: LCSD 880-65277/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.2		mg/Kg		95	70 - 130	13	20

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-65277/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	943.4		mg/Kg		94	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-34717-1 MS — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	976.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	130	F1	1010	662.5	F1	mg/Kg		53	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 880-34717-1 MSD — **Client Sample ID: S-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65277**

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	<49.5	U	1010	1128		mg/Kg		109	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	130	F1	1010	801.7	F1	mg/Kg		67	70 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: MB 880-65280/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65285 — **Prep Batch: 65280**

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		10/21/23 16:22	10/22/23 20:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/22/23 20:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:22	10/22/23 20:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*10/21/23 16:22*	*10/22/23 20:03*	*1*
o-Terphenyl	*170*	*S1+*	*70 - 130*	*10/21/23 16:22*	*10/22/23 20:03*	*1*

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-65280/2-A
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65280

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	855.6		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	966.5		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-65280/3-A
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65280

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1019		mg/Kg		102	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	1125		mg/Kg		113	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: 880-34714-A-1-H MS
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65280

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	799.1		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	55.1		1010	877.9		mg/Kg		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 880-34714-A-1-I MSD
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65280

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	<49.5	U	1010	863.6		mg/Kg		83	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	55.1		1010	907.4		mg/Kg		85	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34714-A-1-I MSD
Matrix: Solid
Analysis Batch: 65285

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65280

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-64956/1-A
Matrix: Solid
Analysis Batch: 65195

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			10/23/23 12:13	1

Lab Sample ID: LCS 880-64956/2-A
Matrix: Solid
Analysis Batch: 65195

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	242.8		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-64956/3-A
Matrix: Solid
Analysis Batch: 65195

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	243.4		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-34568-A-103-B MS
Matrix: Solid
Analysis Batch: 65195

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	27.1		251	299.4		mg/Kg		109	90 - 110		

Lab Sample ID: 880-34568-A-103-C MSD
Matrix: Solid
Analysis Batch: 65195

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	27.1		251	300.6		mg/Kg		109	90 - 110	0	20

Lab Sample ID: MB 880-65081/1-A
Matrix: Solid
Analysis Batch: 65261

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			10/21/23 03:46	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-65081/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65261

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	234.5		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-65081/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65261

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	234.7		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-34568-A-27-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65261

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	163	F1	249	352.2	F1	mg/Kg		76	90 - 110		

Lab Sample ID: 880-34568-A-27-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65261

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	163	F1	249	352.7	F1	mg/Kg		76	90 - 110	0	20

Lab Sample ID: MB 880-65239/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/24/23 05:08	1

Lab Sample ID: LCS 880-65239/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.2		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-65239/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-34717-8 MS — **Client Sample ID: S-4 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	16800		12600	29170		mg/Kg		98	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-34717-8 MSD
Matrix: Solid
Analysis Batch: 65365

Client Sample ID: S-4 (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	16800		12600	29220		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 65105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65105/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	8021B	65234
880-34717-2	S-1 (1.5')	Total/NA	Solid	8021B	65234
880-34717-3	S-1 (2')	Total/NA	Solid	8021B	65234
880-34717-4	S-2 (0-1')	Total/NA	Solid	8021B	65234
880-34717-5	S-2 (1.5')	Total/NA	Solid	8021B	65234
880-34717-6	S-3 (0-1')	Total/NA	Solid	8021B	65234
880-34717-7	S-3 (1.5')	Total/NA	Solid	8021B	65234
880-34717-8	S-4 (0-1')	Total/NA	Solid	8021B	65234
880-34717-9	S-4 (1.5')	Total/NA	Solid	8021B	65234
880-34717-10	S-5 (0-1')	Total/NA	Solid	8021B	65234
880-34717-11	S-5 (1.5')	Total/NA	Solid	8021B	65234
880-34717-12	S-6 (0-1')	Total/NA	Solid	8021B	65234
880-34717-13	S-6 (1.5')	Total/NA	Solid	8021B	65234
880-34717-14	S-6 (2')	Total/NA	Solid	8021B	65234
880-34717-15	S-7 (0-1')	Total/NA	Solid	8021B	65234
880-34717-16	S-7 (1.5')	Total/NA	Solid	8021B	65234
880-34717-17	S-7 (2')	Total/NA	Solid	8021B	65234
880-34717-18	S-8 (0-1')	Total/NA	Solid	8021B	65234
880-34717-19	S-8 (1.5')	Total/NA	Solid	8021B	65234
880-34717-20	S-8 (2')	Total/NA	Solid	8021B	65234
MB 880-65105/5-A	Method Blank	Total/NA	Solid	8021B	65105
MB 880-65234/5-A	Method Blank	Total/NA	Solid	8021B	65234
LCS 880-65234/1-A	Lab Control Sample	Total/NA	Solid	8021B	65234
LCSD 880-65234/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65234
880-34717-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	65234
880-34717-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	65234

Analysis Batch: 65138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-25	S-10 (1.5')	Total/NA	Solid	8021B	65159
880-34717-26	S-10 (2')	Total/NA	Solid	8021B	65159
MB 880-65159/5-A	Method Blank	Total/NA	Solid	8021B	65159
MB 880-65235/5-A	Method Blank	Total/NA	Solid	8021B	65235
LCS 880-65159/1-A	Lab Control Sample	Total/NA	Solid	8021B	65159
LCSD 880-65159/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65159
880-34567-A-82-E MS	Matrix Spike	Total/NA	Solid	8021B	65159
880-34567-A-82-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65159

Prep Batch: 65159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-25	S-10 (1.5')	Total/NA	Solid	5035	
880-34717-26	S-10 (2')	Total/NA	Solid	5035	
MB 880-65159/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65159/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65159/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34567-A-82-E MS	Matrix Spike	Total/NA	Solid	5035	
880-34567-A-82-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 65234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	5035	
880-34717-2	S-1 (1.5')	Total/NA	Solid	5035	
880-34717-3	S-1 (2')	Total/NA	Solid	5035	
880-34717-4	S-2 (0-1')	Total/NA	Solid	5035	
880-34717-5	S-2 (1.5')	Total/NA	Solid	5035	
880-34717-6	S-3 (0-1')	Total/NA	Solid	5035	
880-34717-7	S-3 (1.5')	Total/NA	Solid	5035	
880-34717-8	S-4 (0-1')	Total/NA	Solid	5035	
880-34717-9	S-4 (1.5')	Total/NA	Solid	5035	
880-34717-10	S-5 (0-1')	Total/NA	Solid	5035	
880-34717-11	S-5 (1.5')	Total/NA	Solid	5035	
880-34717-12	S-6 (0-1')	Total/NA	Solid	5035	
880-34717-13	S-6 (1.5')	Total/NA	Solid	5035	
880-34717-14	S-6 (2')	Total/NA	Solid	5035	
880-34717-15	S-7 (0-1')	Total/NA	Solid	5035	
880-34717-16	S-7 (1.5')	Total/NA	Solid	5035	
880-34717-17	S-7 (2')	Total/NA	Solid	5035	
880-34717-18	S-8 (0-1')	Total/NA	Solid	5035	
880-34717-19	S-8 (1.5')	Total/NA	Solid	5035	
880-34717-20	S-8 (2')	Total/NA	Solid	5035	
MB 880-65234/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65234/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65234/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34717-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-34717-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 65235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65235/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 65370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-21	S-9 (0-1')	Total/NA	Solid	5035	
880-34717-22	S-9 (1.5')	Total/NA	Solid	5035	
880-34717-23	S-9 (2')	Total/NA	Solid	5035	
880-34717-24	S-10 (0-1')	Total/NA	Solid	5035	
MB 880-65370/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65370/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65370/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34716-A-3-G MS	Matrix Spike	Total/NA	Solid	5035	
880-34716-A-3-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 65416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-34717-4	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-5	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-6	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-7	S-3 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 65416 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-8	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-9	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-10	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-11	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-12	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-13	S-6 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-14	S-6 (2')	Total/NA	Solid	Total BTEX	
880-34717-15	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-16	S-7 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-17	S-7 (2')	Total/NA	Solid	Total BTEX	
880-34717-18	S-8 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-19	S-8 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-20	S-8 (2')	Total/NA	Solid	Total BTEX	
880-34717-21	S-9 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-22	S-9 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-23	S-9 (2')	Total/NA	Solid	Total BTEX	
880-34717-24	S-10 (0-1')	Total/NA	Solid	Total BTEX	
880-34717-25	S-10 (1.5')	Total/NA	Solid	Total BTEX	
880-34717-26	S-10 (2')	Total/NA	Solid	Total BTEX	

Analysis Batch: 65442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-21	S-9 (0-1')	Total/NA	Solid	8021B	65370
880-34717-22	S-9 (1.5')	Total/NA	Solid	8021B	65370
880-34717-23	S-9 (2')	Total/NA	Solid	8021B	65370
880-34717-24	S-10 (0-1')	Total/NA	Solid	8021B	65370
MB 880-65370/5-A	Method Blank	Total/NA	Solid	8021B	65370
LCS 880-65370/1-A	Lab Control Sample	Total/NA	Solid	8021B	65370
LCSD 880-65370/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65370
880-34716-A-3-G MS	Matrix Spike	Total/NA	Solid	8021B	65370
880-34716-A-3-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65370

GC Semi VOA

Prep Batch: 65277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-34717-4	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-5	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-6	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-7	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-8	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-9	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-10	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-11	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-12	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-13	S-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-14	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-34717-15	S-7 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 65277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-16	S-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-17	S-7 (2')	Total/NA	Solid	8015NM Prep	
880-34717-18	S-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-19	S-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-20	S-8 (2')	Total/NA	Solid	8015NM Prep	
MB 880-65277/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65277/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34717-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 65280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-21	S-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-22	S-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-23	S-9 (2')	Total/NA	Solid	8015NM Prep	
880-34717-24	S-10 (0-1')	Total/NA	Solid	8015NM Prep	
880-34717-25	S-10 (1.5')	Total/NA	Solid	8015NM Prep	
880-34717-26	S-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-65280/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65280/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34714-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34714-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-2	S-1 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-3	S-1 (2')	Total/NA	Solid	8015B NM	65277
880-34717-4	S-2 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-5	S-2 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-6	S-3 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-7	S-3 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-8	S-4 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-9	S-4 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-10	S-5 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-11	S-5 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-12	S-6 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-13	S-6 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-14	S-6 (2')	Total/NA	Solid	8015B NM	65277
880-34717-15	S-7 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-16	S-7 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-17	S-7 (2')	Total/NA	Solid	8015B NM	65277
880-34717-18	S-8 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-19	S-8 (1.5')	Total/NA	Solid	8015B NM	65277
880-34717-20	S-8 (2')	Total/NA	Solid	8015B NM	65277
880-34717-21	S-9 (0-1')	Total/NA	Solid	8015B NM	65280
880-34717-22	S-9 (1.5')	Total/NA	Solid	8015B NM	65280
880-34717-23	S-9 (2')	Total/NA	Solid	8015B NM	65280
880-34717-24	S-10 (0-1')	Total/NA	Solid	8015B NM	65280

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 65285 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-25	S-10 (1.5')	Total/NA	Solid	8015B NM	65280
880-34717-26	S-10 (2')	Total/NA	Solid	8015B NM	65280
MB 880-65277/1-A	Method Blank	Total/NA	Solid	8015B NM	65277
MB 880-65280/1-A	Method Blank	Total/NA	Solid	8015B NM	65280
LCS 880-65277/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65277
LCS 880-65280/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65280
LCSD 880-65277/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65277
LCSD 880-65280/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65280
880-34714-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	65280
880-34714-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65280
880-34717-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	65277
880-34717-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	65277

Analysis Batch: 65404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-34717-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-34717-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-34717-4	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-34717-5	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-34717-6	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-34717-7	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-34717-8	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-34717-9	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-34717-10	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-34717-11	S-5 (1.5')	Total/NA	Solid	8015 NM	
880-34717-12	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-34717-13	S-6 (1.5')	Total/NA	Solid	8015 NM	
880-34717-14	S-6 (2')	Total/NA	Solid	8015 NM	
880-34717-15	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-34717-16	S-7 (1.5')	Total/NA	Solid	8015 NM	
880-34717-17	S-7 (2')	Total/NA	Solid	8015 NM	
880-34717-18	S-8 (0-1')	Total/NA	Solid	8015 NM	
880-34717-19	S-8 (1.5')	Total/NA	Solid	8015 NM	
880-34717-20	S-8 (2')	Total/NA	Solid	8015 NM	
880-34717-21	S-9 (0-1')	Total/NA	Solid	8015 NM	
880-34717-22	S-9 (1.5')	Total/NA	Solid	8015 NM	
880-34717-23	S-9 (2')	Total/NA	Solid	8015 NM	
880-34717-24	S-10 (0-1')	Total/NA	Solid	8015 NM	
880-34717-25	S-10 (1.5')	Total/NA	Solid	8015 NM	
880-34717-26	S-10 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 64956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-18	S-8 (0-1')	Soluble	Solid	DI Leach	
880-34717-19	S-8 (1.5')	Soluble	Solid	DI Leach	
880-34717-20	S-8 (2')	Soluble	Solid	DI Leach	
880-34717-21	S-9 (0-1')	Soluble	Solid	DI Leach	
880-34717-22	S-9 (1.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 64956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-64956/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-64956/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-64956/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34568-A-103-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34568-A-103-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 65081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-23	S-9 (2')	Soluble	Solid	DI Leach	
880-34717-24	S-10 (0-1')	Soluble	Solid	DI Leach	
880-34717-25	S-10 (1.5')	Soluble	Solid	DI Leach	
880-34717-26	S-10 (2')	Soluble	Solid	DI Leach	
MB 880-65081/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65081/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65081/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34568-A-27-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34568-A-27-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 65195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-18	S-8 (0-1')	Soluble	Solid	300.0	64956
880-34717-19	S-8 (1.5')	Soluble	Solid	300.0	64956
880-34717-20	S-8 (2')	Soluble	Solid	300.0	64956
880-34717-21	S-9 (0-1')	Soluble	Solid	300.0	64956
880-34717-22	S-9 (1.5')	Soluble	Solid	300.0	64956
MB 880-64956/1-A	Method Blank	Soluble	Solid	300.0	64956
LCS 880-64956/2-A	Lab Control Sample	Soluble	Solid	300.0	64956
LCSD 880-64956/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	64956
880-34568-A-103-B MS	Matrix Spike	Soluble	Solid	300.0	64956
880-34568-A-103-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	64956

Leach Batch: 65239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-34717-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-34717-3	S-1 (2')	Soluble	Solid	DI Leach	
880-34717-4	S-2 (0-1')	Soluble	Solid	DI Leach	
880-34717-5	S-2 (1.5')	Soluble	Solid	DI Leach	
880-34717-6	S-3 (0-1')	Soluble	Solid	DI Leach	
880-34717-7	S-3 (1.5')	Soluble	Solid	DI Leach	
880-34717-8	S-4 (0-1')	Soluble	Solid	DI Leach	
880-34717-9	S-4 (1.5')	Soluble	Solid	DI Leach	
880-34717-10	S-5 (0-1')	Soluble	Solid	DI Leach	
880-34717-11	S-5 (1.5')	Soluble	Solid	DI Leach	
880-34717-12	S-6 (0-1')	Soluble	Solid	DI Leach	
880-34717-13	S-6 (1.5')	Soluble	Solid	DI Leach	
880-34717-14	S-6 (2')	Soluble	Solid	DI Leach	
880-34717-15	S-7 (0-1')	Soluble	Solid	DI Leach	
880-34717-16	S-7 (1.5')	Soluble	Solid	DI Leach	
880-34717-17	S-7 (2')	Soluble	Solid	DI Leach	
MB 880-65239/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 65239 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-65239/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65239/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34717-8 MS	S-4 (0-1')	Soluble	Solid	DI Leach	
880-34717-8 MSD	S-4 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 65261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-23	S-9 (2')	Soluble	Solid	300.0	65081
880-34717-24	S-10 (0-1')	Soluble	Solid	300.0	65081
880-34717-25	S-10 (1.5')	Soluble	Solid	300.0	65081
880-34717-26	S-10 (2')	Soluble	Solid	300.0	65081
MB 880-65081/1-A	Method Blank	Soluble	Solid	300.0	65081
LCS 880-65081/2-A	Lab Control Sample	Soluble	Solid	300.0	65081
LCSD 880-65081/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65081
880-34568-A-27-G MS	Matrix Spike	Soluble	Solid	300.0	65081
880-34568-A-27-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	65081

Analysis Batch: 65365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34717-1	S-1 (0-1')	Soluble	Solid	300.0	65239
880-34717-2	S-1 (1.5')	Soluble	Solid	300.0	65239
880-34717-3	S-1 (2')	Soluble	Solid	300.0	65239
880-34717-4	S-2 (0-1')	Soluble	Solid	300.0	65239
880-34717-5	S-2 (1.5')	Soluble	Solid	300.0	65239
880-34717-6	S-3 (0-1')	Soluble	Solid	300.0	65239
880-34717-7	S-3 (1.5')	Soluble	Solid	300.0	65239
880-34717-8	S-4 (0-1')	Soluble	Solid	300.0	65239
880-34717-9	S-4 (1.5')	Soluble	Solid	300.0	65239
880-34717-10	S-5 (0-1')	Soluble	Solid	300.0	65239
880-34717-11	S-5 (1.5')	Soluble	Solid	300.0	65239
880-34717-12	S-6 (0-1')	Soluble	Solid	300.0	65239
880-34717-13	S-6 (1.5')	Soluble	Solid	300.0	65239
880-34717-14	S-6 (2')	Soluble	Solid	300.0	65239
880-34717-15	S-7 (0-1')	Soluble	Solid	300.0	65239
880-34717-16	S-7 (1.5')	Soluble	Solid	300.0	65239
880-34717-17	S-7 (2')	Soluble	Solid	300.0	65239
MB 880-65239/1-A	Method Blank	Soluble	Solid	300.0	65239
LCS 880-65239/2-A	Lab Control Sample	Soluble	Solid	300.0	65239
LCSD 880-65239/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65239
880-34717-8 MS	S-4 (0-1')	Soluble	Solid	300.0	65239
880-34717-8 MSD	S-4 (0-1')	Soluble	Solid	300.0	65239

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/20/23 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/20/23 22:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 11:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 11:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 06:01	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-34717-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/20/23 23:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/20/23 23:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 12:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 06:07	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-34717-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/20/23 23:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/20/23 23:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65365	10/24/23 12:52	CH	EET MID

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

Lab Sample ID: 880-34717-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.967 g	5 mL	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/20/23 23:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/20/23 23:52	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65404	10/22/23 13:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 13:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 06:34	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-34717-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 00:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 00:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 13:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 13:25	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 06:41	CH	EET MID

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

Lab Sample ID: 880-34717-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 00:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 13:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 06:47	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34717-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 00:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 00:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 14:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 14:09	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-34717-7
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 06:54	CH	EET MID

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

Lab Sample ID: 880-34717-8
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 01:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 01:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 14:32	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 14:32	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 07:00	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-34717-9
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 01:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 01:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 14:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 14:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 07:20	CH	EET MID

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

Lab Sample ID: 880-34717-10
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 01:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 01:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 15:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 15:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 07:27	CH	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-34717-11
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 03:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 03:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 16:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 16:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 07:47	CH	EET MID

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

Lab Sample ID: 880-34717-12
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 03:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 16:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 16:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 07:53	CH	EET MID

Client Sample ID: S-6 (1.5')

Lab Sample ID: 880-34717-13
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 03:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 03:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 16:44	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 16:44	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 12:58	CH	EET MID

Client Sample ID: S-6 (2')

Lab Sample ID: 880-34717-14
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 04:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 04:17	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-6 (2')

Lab Sample ID: 880-34717-14
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65404	10/22/23 17:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 17:06	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 08:07	CH	EET MID

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

Lab Sample ID: 880-34717-15
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 04:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 17:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 17:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 08:13	CH	EET MID

Client Sample ID: S-7 (1.5')

Lab Sample ID: 880-34717-16
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 04:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 17:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65365	10/24/23 08:20	CH	EET MID

Client Sample ID: S-7 (2')

Lab Sample ID: 880-34717-17
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 05:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 18:12	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Client Sample ID: S-7 (2')

Lab Sample ID: 880-34717-17
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65365	10/24/23 08:27	CH	EET MID

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

Lab Sample ID: 880-34717-18
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 05:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 05:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 18:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	64956	10/20/23 15:02	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65195	10/23/23 14:40	CH	EET MID

Client Sample ID: S-8 (1.5')

Lab Sample ID: 880-34717-19
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 05:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 05:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 18:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 18:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	64956	10/20/23 15:02	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65195	10/23/23 14:45	CH	EET MID

Client Sample ID: S-8 (2')

Lab Sample ID: 880-34717-20
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65234	10/20/23 14:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 06:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 06:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	65277	10/21/23 16:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 19:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	64956	10/20/23 15:02	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65195	10/23/23 14:51	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-21
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 19:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/24/23 19:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 23:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	64956	10/20/23 15:02	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65195	10/23/23 14:56	CH	EET MID

Client Sample ID: S-9 (1.5')

Lab Sample ID: 880-34717-22
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.01 g	5 mL	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 20:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/24/23 20:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/22/23 23:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/22/23 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	64956	10/20/23 15:02	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65195	10/23/23 15:02	CH	EET MID

Client Sample ID: S-9 (2')

Lab Sample ID: 880-34717-23
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 20:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/24/23 20:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/23/23 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 00:04	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65081	10/20/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65261	10/21/23 06:26	CH	EET MID

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

Lab Sample ID: 880-34717-24
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 20:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/24/23 20:43	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34717-24
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65404	10/23/23 00:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 00:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	65081	10/20/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65261	10/21/23 06:33	CH	EET MID

Client Sample ID: S-10 (1.5')

Lab Sample ID: 880-34717-25
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65159	10/20/23 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/23/23 00:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 00:46	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	65081	10/20/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	65261	10/21/23 06:39	CH	EET MID

Client Sample ID: S-10 (2')

Lab Sample ID: 880-34717-26
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65159	10/20/23 14:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65138	10/21/23 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65416	10/21/23 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			65404	10/23/23 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	65280	10/21/23 16:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65285	10/23/23 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65081	10/20/23 14:59	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	65261	10/21/23 06:46	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 Flowline

Job ID: 880-34717-1
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

Method Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34717-1
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 Flowline

Job ID: 880-34717-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34717-1	S-1 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-2	S-1 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-3	S-1 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-4	S-2 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-5	S-2 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-6	S-3 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-7	S-3 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-8	S-4 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-9	S-4 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-10	S-5 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-11	S-5 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-12	S-6 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-13	S-6 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-14	S-6 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-15	S-7 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-16	S-7 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-17	S-7 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-18	S-8 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-19	S-8 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-20	S-8 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-21	S-9 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-22	S-9 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-23	S-9 (2')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-24	S-10 (0-1')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-25	S-10 (1.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34717-26	S-10 (2')	Solid	10/16/23 00:00	10/20/23 12:41

W

880-34717 Chain of Custody

Page 1 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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Asio Flowline	Turn Around	
Project Number	2099	☐ 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	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	+2.0
Sample Custody Seals.	Yes No N/A	Temperature Reading	2.4
Total Containers		Corrected Temperature:	2.6

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-1')	10/16/2023		X		G	1	X	X	X	
S-1 (1.5')	10/16/2023		X		G	1	X	X	X	
S-1 (2')	10/16/2023		X		G	1	X	X	X	
S-2 (0-1')	10/16/2023		X		G	1	X	X	X	
S-2 (1.5')	10/16/2023		X		G	1	X	X	X	
S-3 (0-1')	10/16/2023		X		G	1	X	X	X	
S-3 (1 5')	10/16/2023		X		G	1	X	X	X	
S-4 (0-1')	10/16/2023		X		G	1	X	X	X	
S-4 (1.5')	10/16/2023		X		G	1	X	X	X	
S-5 (0-1')	10/16/2023		X		G	1	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
Conner Moehring	10/20/23 1241		

Work Order No: 34717

Page 2 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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other

Project Name	Asio Flowline	Turn Around	☐ Routine ☑ Rush
Project Number	2099	Pres. Code	
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		

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3. HN; H_2S0_4 H_2; NaOH Na; H_3PO_4. HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-5 (1.5')	10/16/2023		X		G	1	X	X	X	
S-6 (0-1')	10/16/2023		X		G	1	X	X	X	
S-6 (1.5')	10/16/2023		X		G	1	X	X	X	
S-6 (2')	10/16/2023		X		G	1	X	X	X	
S-7 (0-1')	10/16/2023		X		G	1	X	X	X	
S-7 (1 5')	10/16/2023		X		G	1	X	X	X	
S-7 (2')	10/16/2023		X		G	1	X	X	X	
S-8 (0-1')	10/16/2023		X		G	1	X	X	X	
S-8 (1 5')	10/16/2023		X		G	1	X	X	X	
S-8 (2')	10/16/2023		X		G	1	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
Conner Moehring	10/18/23 1241		

Loc: 880
34717

Work Order No: __ __

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Asio Flowline	Turn Around	
Project Number	2099	☐ 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	

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL. HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4. HP
$NaHSO_4$. NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-9 (0-1')	10/16/2023		X		G	1		X	X	X	
S-9 (1 5')	10/16/2023		X		G	1		X	X	X	
S-9 (2')	10/16/2023		X		G	1		X	X	X	
S-10 (0-1')	10/16/2023		X		G	1		X	X	X	
S-10 (1.5')	10/16/2023		X		G	1		X	X	X	
S-10 (2')	10/16/2023		X		G	1		X	X	X	

Parameters

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Conner Moehring	10/20/23 1241		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34717-1
SDG Number: Eddy County, New Mexico

Login Number: 34717
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/25/2023 10:45:58 AM

JOB DESCRIPTION

Asio Flowline
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-34716-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

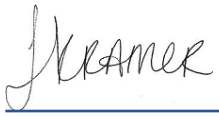
Eurofins Midland

Job Notes

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

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

Authorization



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

Client: Carmona Resources
Project/Site: Asio Flowline

Laboratory Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
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
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Job ID: 880-34716-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-34716-1

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 10/20/2023 12:41 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-34716-1), H-2 (0-0.5') (880-34716-2), H-3 (0-0.5') (880-34716-3), H-4 (0-0.5') (880-34716-4), H-5 (0-0.5') (880-34716-5) and H-6 (0-0.5') (880-34716-6).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-34716-1), H-2 (0-0.5') (880-34716-2), (LCSD 880-65233/2-A) and (880-34714-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: (880-34714-A-1-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-34714-A-1-A MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-65136 recovered above the upper control limit for m-Xylene & p-Xylene and o-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 880-65136/35).

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 880-65276 and analytical batch 880-65282 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-65282/20), (CCV 880-65282/31) and (CCV 880-65282/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-65276 and analytical batch 880-65282 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Job ID: 880-34716-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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 Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 12:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 12:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/20/23 14:10*	*10/21/23 12:08*	*1*
1,4-Difluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*10/20/23 14:10*	*10/21/23 12:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/21/23 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/22/23 17:28	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	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 17:28	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 17:28	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*10/21/23 16:11*	*10/22/23 17:28*	*1*
o-Terphenyl	*102*		*70 - 130*	*10/21/23 16:11*	*10/22/23 17:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.2**		5.00		mg/Kg			10/24/23 04:21	1

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

Lab Sample ID: 880-34716-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/20/23 14:10	10/21/23 12:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 12:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/20/23 14:10	10/21/23 12:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/20/23 14:10	10/21/23 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/20/23 14:10*	*10/21/23 12:28*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*10/20/23 14:10*	*10/21/23 12:28*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			10/21/23 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			10/22/23 17:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		10/21/23 16:11	10/22/23 17:50	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		10/21/23 16:11	10/22/23 17:50	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		10/21/23 16:11	10/22/23 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*10/21/23 16:11*	*10/22/23 17:50*	*1*
o-Terphenyl	*106*		*70 - 130*	*10/21/23 16:11*	*10/22/23 17:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.0**		5.05		mg/Kg			10/24/23 04:28	1

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

Lab Sample ID: 880-34716-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/23/23 14:42	10/24/23 15:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/23/23 14:42	10/24/23 15:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/23/23 14:42	10/24/23 15:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/23/23 14:42	10/24/23 15:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/23/23 14:42	10/24/23 15:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/23/23 14:42	10/24/23 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*10/23/23 14:42*	*10/24/23 15:56*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*10/23/23 14:42*	*10/24/23 15:56*	*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			10/24/23 15:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			10/22/23 18:12	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	<50.4	U	50.4		mg/Kg		10/21/23 16:11	10/22/23 18:12	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		10/21/23 16:11	10/22/23 18:12	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		10/21/23 16:11	10/22/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:12*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:12*	*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			10/24/23 04:35	1

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

Lab Sample ID: 880-34716-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/23/23 14:42	10/24/23 18:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 18:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 18:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/23/23 14:42	10/24/23 18:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 18:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/23/23 14:42	10/24/23 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*10/23/23 14:42*	*10/24/23 18:41*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/23/23 14:42*	*10/24/23 18:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/24/23 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/23 18:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:34	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:34*	*1*
o-Terphenyl	*98*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**345**		50.3		mg/Kg			10/24/23 05:28	10

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/23/23 14:42	10/24/23 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 19:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/23/23 14:42	10/24/23 19:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/23/23 14:42	10/24/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:01*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/24/23 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/22/23 18:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:57	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/21/23 16:11	10/22/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:57*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/21/23 16:11*	*10/22/23 18:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.4**		4.99		mg/Kg			10/24/23 12:39	1

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

Lab Sample ID: 880-34716-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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		10/23/23 14:42	10/24/23 19:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/23/23 14:42	10/24/23 19:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/23/23 14:42	10/24/23 19:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/23/23 14:42	10/24/23 19:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/23/23 14:42	10/24/23 19:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/23/23 14:42	10/24/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:22*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*10/23/23 14:42*	*10/24/23 19:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Lab Sample ID: 880-34716-6

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/24/23 19:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			10/22/23 19:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 19:19	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 19:19	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		10/21/23 16:11	10/22/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*10/21/23 16:11*	*10/22/23 19:19*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/21/23 16:11*	*10/22/23 19:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.8**		4.98		mg/Kg			10/24/23 12:45	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
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)
880-34714-A-1-A MS	Matrix Spike	133 S1+	99
880-34714-A-1-B MSD	Matrix Spike Duplicate	79	92
880-34716-1	H-1 (0-0.5')	90	63 S1-
880-34716-2	H-2 (0-0.5')	84	65 S1-
880-34716-3	H-3 (0-0.5')	84	72
880-34716-3 MS	H-3 (0-0.5')	114	91
880-34716-3 MSD	H-3 (0-0.5')	115	89
880-34716-4	H-4 (0-0.5')	78	76
880-34716-5	H-5 (0-0.5')	80	76
880-34716-6	H-6 (0-0.5')	79	87
LCS 880-65233/1-A	Lab Control Sample	130	83
LCS 880-65370/1-A	Lab Control Sample	123	112
LCSD 880-65233/2-A	Lab Control Sample Dup	141 S1+	103
LCSD 880-65370/2-A	Lab Control Sample Dup	113	104
MB 880-65233/5-A	Method Blank	89	94
MB 880-65234/5-A	Method Blank	86	73
MB 880-65370/5-A	Method Blank	72	97

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)
880-34716-1	H-1 (0-0.5')	123	102
880-34716-2	H-2 (0-0.5')	126	106
880-34716-3	H-3 (0-0.5')	118	101
880-34716-4	H-4 (0-0.5')	118	98
880-34716-5	H-5 (0-0.5')	123	99
880-34716-6	H-6 (0-0.5')	120	99
880-34727-A-1-I MS	Matrix Spike	103	109
880-34727-A-1-J MSD	Matrix Spike Duplicate	118	95
LCS 880-65276/2-A	Lab Control Sample	110	128
LCSD 880-65276/3-A	Lab Control Sample Dup	108	120
MB 880-65276/1-A	Method Blank	194 S1+	188 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-65233/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:10	10/21/23 09:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:10	10/21/23 09:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:03*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/20/23 14:10*	*10/21/23 09:03*	*1*

Lab Sample ID: LCS 880-65233/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08263		mg/Kg		83	70 - 130
Toluene	0.100	0.09027		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09772		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2114		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 880-65233/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09465		mg/Kg		95	70 - 130	14	35
Toluene	0.100	0.09797		mg/Kg		98	70 - 130	8	35
Ethylbenzene	0.100	0.1081		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2279		mg/Kg		114	70 - 130	8	35
o-Xylene	0.100	0.1125		mg/Kg		112	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-34714-A-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 65136 — **Prep Batch: 65233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.0996	0.08891		mg/Kg		89	70 - 130
Toluene	<0.00200	U F1	0.0996	0.08882		mg/Kg		89	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34714-A-1-A MS
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0996	0.09798		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.2078		mg/Kg		104	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.1022		mg/Kg		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-34714-A-1-B MSD
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.0990	<0.00198	U F2 F1	mg/Kg		0.5	70 - 130	198	35
Toluene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.198	<0.00396	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.0990	<0.00198	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*

Lab Sample ID: MB 880-65234/5-A
Matrix: Solid
Analysis Batch: 65136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65234

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/23 14:23	10/20/23 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/23 14:23	10/20/23 22:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*10/20/23 14:23*	*10/20/23 22:30*	*1*

Lab Sample ID: MB 880-65370/5-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/23/23 14:42	10/24/23 11:07	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-65370/5-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/23/23 14:42	10/24/23 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/23/23 14:42	10/24/23 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*10/23/23 14:42*	*10/24/23 11:07*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*10/23/23 14:42*	*10/24/23 11:07*	*1*

Lab Sample ID: LCS 880-65370/1-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65370

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08870		mg/Kg		89	70 - 130
Toluene	0.100	0.09900		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.1124		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2385		mg/Kg		119	70 - 130
o-Xylene	0.100	0.1137		mg/Kg		114	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-65370/2-A
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65370

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09201		mg/Kg		92	70 - 130	4	35
Toluene	0.100	0.09626		mg/Kg		96	70 - 130	3	35
Ethylbenzene	0.100	0.09835		mg/Kg		98	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2147		mg/Kg		107	70 - 130	10	35
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 880-34716-3 MS
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65370

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0994	0.08660		mg/Kg		87	70 - 130
Toluene	<0.00201	U	0.0994	0.09211		mg/Kg		93	70 - 130
Ethylbenzene	<0.00201	U	0.0994	0.09567		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2052		mg/Kg		103	70 - 130
o-Xylene	<0.00201	U	0.0994	0.09869		mg/Kg		99	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-3 MS
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65370

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-34716-3 MSD
Matrix: Solid
Analysis Batch: 65442

Client Sample ID: H-3 (0-0.5')
Prep Type: Total/NA
Prep Batch: 65370

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0998	0.09784		mg/Kg		98	70 - 130	12	35
Toluene	<0.00201	U	0.0998	0.1064		mg/Kg		107	70 - 130	14	35
Ethylbenzene	<0.00201	U	0.0998	0.1091		mg/Kg		109	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2346		mg/Kg		118	70 - 130	13	35
o-Xylene	<0.00201	U	0.0998	0.1122		mg/Kg		112	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

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

Lab Sample ID: MB 880-65276/1-A
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65276

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		10/21/23 16:11	10/22/23 08:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/23 16:11	10/22/23 08:17	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/23 16:11	10/22/23 08:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*194*	*S1+*	*70 - 130*	*10/21/23 16:11*	*10/22/23 08:17*	*1*
o-Terphenyl	*188*	*S1+*	*70 - 130*	*10/21/23 16:11*	*10/22/23 08:17*	*1*

Lab Sample ID: LCS 880-65276/2-A
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65276

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	981.7		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	956.4		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-65276/3-A
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 65276

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	975.5		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	910.9		mg/Kg		91	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: 880-34727-A-1-I MS
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 65276

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1000		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F2	1010	929.0		mg/Kg		90	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*109*		*70 - 130*

Lab Sample ID: 880-34727-A-1-J MSD
Matrix: Solid
Analysis Batch: 65282

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 65276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1010	1030		mg/Kg		99	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F2	1010	1187	F2	mg/Kg		116	70 - 130	24	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65238/1-A
Matrix: Solid
Analysis Batch: 65364

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			10/24/23 01:16	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-65238/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.7		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-65238/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.8		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 880-34707-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	326		250	567.5		mg/Kg		97	90 - 110		

Lab Sample ID: 880-34707-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65364

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	326		250	563.0		mg/Kg		95	90 - 110	1	20

Lab Sample ID: MB 880-65239/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/24/23 05:08	1

Lab Sample ID: LCS 880-65239/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	247.2		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-65239/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-34716-4 MS — **Client Sample ID: H-4 (0-0.5')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 65365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	345		2520	2860		mg/Kg		100	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-34716-4 MSD
Matrix: Solid
Analysis Batch: 65365

Client Sample ID: H-4 (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	345		2520	2881		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 65136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	8021B	65233
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	8021B	65233
MB 880-65233/5-A	Method Blank	Total/NA	Solid	8021B	65233
MB 880-65234/5-A	Method Blank	Total/NA	Solid	8021B	65234
LCS 880-65233/1-A	Lab Control Sample	Total/NA	Solid	8021B	65233
LCSD 880-65233/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65233
880-34714-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	65233
880-34714-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	65233

Prep Batch: 65233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-65233/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65233/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65233/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34714-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-34714-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 65234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-65234/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 65370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	5035	
MB 880-65370/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-65370/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-65370/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-34716-3 MS	H-3 (0-0.5')	Total/NA	Solid	5035	
880-34716-3 MSD	H-3 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 65418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 65442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	8021B	65370
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	8021B	65370
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	8021B	65370
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	8021B	65370
MB 880-65370/5-A	Method Blank	Total/NA	Solid	8021B	65370

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 65442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-65370/1-A	Lab Control Sample	Total/NA	Solid	8021B	65370
LCSD 880-65370/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	65370
880-34716-3 MS	H-3 (0-0.5')	Total/NA	Solid	8021B	65370
880-34716-3 MSD	H-3 (0-0.5')	Total/NA	Solid	8021B	65370

GC Semi VOA

Prep Batch: 65276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-65276/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65276/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-34727-A-1-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-34727-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 65282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	65276
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	65276
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	65276
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	65276
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	65276
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	65276
MB 880-65276/1-A	Method Blank	Total/NA	Solid	8015B NM	65276
LCS 880-65276/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65276
LCSD 880-65276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65276
880-34727-A-1-I MS	Matrix Spike	Total/NA	Solid	8015B NM	65276
880-34727-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	65276

Analysis Batch: 65376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-34716-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-34716-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-34716-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-34716-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-34716-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 65238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-34716-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-34716-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-65238/1-A	Method Blank	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 65238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-65238/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65238/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34707-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-34707-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 65239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34716-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-34716-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-65239/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-65239/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65239/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-34716-4 MS	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-34716-4 MSD	H-4 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 65364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-1	H-1 (0-0.5')	Soluble	Solid	300.0	65238
880-34716-2	H-2 (0-0.5')	Soluble	Solid	300.0	65238
880-34716-3	H-3 (0-0.5')	Soluble	Solid	300.0	65238
MB 880-65238/1-A	Method Blank	Soluble	Solid	300.0	65238
LCS 880-65238/2-A	Lab Control Sample	Soluble	Solid	300.0	65238
LCSD 880-65238/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65238
880-34707-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	65238
880-34707-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	65238

Analysis Batch: 65365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-34716-4	H-4 (0-0.5')	Soluble	Solid	300.0	65239
880-34716-5	H-5 (0-0.5')	Soluble	Solid	300.0	65239
880-34716-6	H-6 (0-0.5')	Soluble	Solid	300.0	65239
MB 880-65239/1-A	Method Blank	Soluble	Solid	300.0	65239
LCS 880-65239/2-A	Lab Control Sample	Soluble	Solid	300.0	65239
LCSD 880-65239/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65239
880-34716-4 MS	H-4 (0-0.5')	Soluble	Solid	300.0	65239
880-34716-4 MSD	H-4 (0-0.5')	Soluble	Solid	300.0	65239

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-1
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/21/23 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			65376	10/22/23 17:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 17:28	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 04:21	CH	EET MID

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

Lab Sample ID: 880-34716-2
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65233	10/20/23 14:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65136	10/21/23 12:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/21/23 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			65376	10/22/23 17:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 17:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 04:28	CH	EET MID

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

Lab Sample ID: 880-34716-3
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 15:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/24/23 15:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			65376	10/22/23 18:12	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	65238	10/20/23 14:46	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65364	10/24/23 04:35	CH	EET MID

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

Lab Sample ID: 880-34716-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 18:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/24/23 18:41	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-34716-4
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

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			65376	10/22/23 18:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	65365	10/24/23 05:28	CH	EET MID

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

Lab Sample ID: 880-34716-5
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 19:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/24/23 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			65376	10/22/23 18:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 18:57	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65365	10/24/23 12:39	CH	EET MID

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

Lab Sample ID: 880-34716-6
Matrix: Solid
Date Collected: 10/16/23 00:00
Date Received: 10/20/23 12:41

Prep 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	65370	10/23/23 14:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	65442	10/24/23 19:22	SM	EET MID
Total/NA	Analysis	Total BTEX		1			65418	10/24/23 19:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			65376	10/22/23 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	65276	10/21/23 16:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65282	10/22/23 19:19	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65239	10/20/23 14:48	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	65365	10/24/23 12:45	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 Flowline

Job ID: 880-34716-1
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

Method Summary

Client: Carmona Resources
Project/Site: Asio Flowline

Job ID: 880-34716-1
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 Flowline

Job ID: 880-34716-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-34716-1	H-1 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34716-2	H-2 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34716-3	H-3 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34716-4	H-4 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34716-5	H-5 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41
880-34716-6	H-6 (0-0.5')	Solid	10/16/23 00:00	10/20/23 12:41

W

880-34716 Chain of Custody

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name	Asio Flowline	Turn Around	
Project Number	2099	☐ 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	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	-2.0
Sample Custody Seals.	Yes No N/A	Temperature Reading	5.4
Total Containers.		Corrected Temperature	3.4

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3. HN; H_2S0_4 H_2; NaOH Na; H_3PO_4. HP; $NaHSO_4$. NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0 5')	10/16/2023		X		G	1		X	X	X	
H-2 (0-0.5')	10/16/2023		X		G	1		X	X	X	
H-3 (0-0.5')	10/16/2023		X		G	1		X	X	X	
H-4 (0-0.5')	10/16/2023		X		G	1		X	X	X	
H-5 (0-0.5')	10/16/2023		X		G	1		X	X	X	
H-6 (0-0 5')	10/16/2023		X		G	1		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
Conner Moehring	10/20/23 1241		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-34716-1
SDG Number: Eddy County, New Mexico

Login Number: 34716
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/11/2023 11:18:46 AM

JOB DESCRIPTION

Asio Flowline (07.16.23)
Eddy County New Mexico

JOB NUMBER

880-36589-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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

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

Authorization

Generated
12/11/2023 11:18:46 AM

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

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
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.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Job ID: 880-36589-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-36589-1

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

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

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

Receipt
The samples were received on 12/6/2023 1:18 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 -4.4°C

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-68429 and 880-68522 and analytical batch 880-68564 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-68564 recovered above the upper control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-68564/33).

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-68522 and analytical batch 880-68564 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-36589-1), T-1 (2') (880-36589-3), T-2 (1.5') (880-36589-6), T-3 (0-1') (880-36589-9) and T-3 (1.5') (880-36589-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-3 (2') (880-36589-11), T-4 (0-1') (880-36589-14), T-4 (1.5') (880-36589-15), T-4 (3) (880-36589-17) and T-5 (1.5') (880-36589-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-68521/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (880-36589-A-21-A MS) and (880-36589-A-21-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-5 (3') (880-36589-21), T-5 (5') (880-36589-23) and T-6 (0-1') (880-36589-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: T-6 (3') (880-36589-27), T-7 (1.5') (880-36589-30), T-7 (2') (880-36589-31), T-8 (0-1') (880-36589-33) and T-8 (1.5') (880-36589-34). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-68519 and analytical batch 880-68562 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.

Case Narrative

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Job ID: 880-36589-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-68521 and analytical batch 880-68562 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 880-68548 and analytical batch 880-68556 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-1 (0-1') (880-36589-1), T-1 (1.5') (880-36589-2), T-1 (2') (880-36589-3), T-2 (0-1') (880-36589-5), T-2 (1.5') (880-36589-6), T-2 (2') (880-36589-7), T-3 (0-1') (880-36589-9), T-3 (4') (880-36589-13), T-5 (0-1') (880-36589-18), (880-36589-A-1-H MS) and (880-36589-A-1-I MSD). 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 880-68548 and analytical batch 880-68556 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 surrogate recovery for the blank associated with preparation batch 880-68549 and analytical batch 880-68555 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-68551 and analytical batch 880-68637 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: T-9 (6') (880-36589-43), T-9 (7') (880-36589-44), (880-36589-A-41-F MS) and (880-36589-A-41-G MSD). 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 880-68551 and analytical batch 880-68637 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-68501 and 880-68501 and analytical batch 880-68589 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-68523 and 880-68523 and analytical batch 880-68610 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 Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-1
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		12/06/23 13:51	12/07/23 12:57	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		12/06/23 13:51	12/07/23 12:57	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		12/06/23 13:51	12/07/23 12:57	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		12/06/23 13:51	12/07/23 12:57	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		12/06/23 13:51	12/07/23 12:57	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		12/06/23 13:51	12/07/23 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*12/06/23 13:51*	*12/07/23 12:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/06/23 13:51*	*12/07/23 12:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/23 12:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/07/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/06/23 17:23	12/07/23 10:24	1
Diesel Range Organics (Over C10-C28)	<50.5	U F1	50.5		mg/Kg		12/06/23 17:23	12/07/23 10:24	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/06/23 17:23	12/07/23 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*145*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 10:24*	*1*
o-Terphenyl	*124*		*70 - 130*	*12/06/23 17:23*	*12/07/23 10:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**280**		4.98		mg/Kg			12/08/23 09:43	1

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-36589-2
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 13:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*12/06/23 13:51*	*12/07/23 13:23*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*12/06/23 13:51*	*12/07/23 13:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (1.5')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/23 13:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/07/23 11:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 11:28	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 11:28	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 11:28*	*1*
o-Terphenyl	*114*		*70 - 130*	*12/06/23 17:23*	*12/07/23 11:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**425**		4.96		mg/Kg			12/08/23 10:00	1

Client Sample ID: T-1 (2')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 13:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*12/06/23 13:51*	*12/07/23 13:49*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/06/23 13:51*	*12/07/23 13:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/23 13:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/23 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 11:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 11:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (2')

Lab Sample ID: 880-36589-3
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 11:50*	*1*
o-Terphenyl	*117*		*70 - 130*	*12/06/23 17:23*	*12/07/23 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**525**		5.00		mg/Kg			12/08/23 10:05	1

Client Sample ID: T-1 (3')

Lab Sample ID: 880-36589-4
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 14:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 14:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 14:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 14:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 14:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*12/06/23 13:51*	*12/07/23 14:15*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/06/23 13:51*	*12/07/23 14:15*	*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			12/07/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 12:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 12:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*12/06/23 17:23*	*12/07/23 12:11*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/06/23 17:23*	*12/07/23 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**406**		4.99		mg/Kg			12/08/23 10:11	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-5
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 14:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 14:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 14:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 14:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 14:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/06/23 13:51*	*12/07/23 14:41*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/06/23 13:51*	*12/07/23 14:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/07/23 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/07/23 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 12:33	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 12:33	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 12:33*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/06/23 17:23*	*12/07/23 12:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**277**		4.95		mg/Kg			12/08/23 10:16	1

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-36589-6
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 15:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*12/06/23 13:51*	*12/07/23 15:07*	*1*
1,4-Difluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 15:07*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-36589-6
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/23 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/07/23 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/06/23 17:23	12/07/23 12:55	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/06/23 17:23	12/07/23 12:55	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/06/23 17:23	12/07/23 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 12:55*	*1*
o-Terphenyl	*128*		*70 - 130*	*12/06/23 17:23*	*12/07/23 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**425**		4.97		mg/Kg			12/08/23 10:34	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-36589-7
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 15:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 15:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/06/23 13:51*	*12/07/23 15:33*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/06/23 13:51*	*12/07/23 15:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/23 15:33	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			12/07/23 13:16	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	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 13:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 13:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (2')

Lab Sample ID: 880-36589-7
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 13:16*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/06/23 17:23*	*12/07/23 13:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**545**		5.00		mg/Kg			12/08/23 10:39	1

Client Sample ID: T-2 (3')

Lab Sample ID: 880-36589-8
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 15:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 15:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 15:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 15:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 15:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/06/23 13:51*	*12/07/23 15:59*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/06/23 13:51*	*12/07/23 15:59*	*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			12/07/23 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/07/23 13:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 13:38	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 13:38	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*12/06/23 17:23*	*12/07/23 13:38*	*1*
o-Terphenyl	*108*		*70 - 130*	*12/06/23 17:23*	*12/07/23 13:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**399**		4.99		mg/Kg			12/08/23 10:45	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-9
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 16:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 16:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 16:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 16:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 16:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*685*	*S1+*	*70 - 130*	*12/06/23 13:51*	*12/07/23 16:25*	*1*
1,4-Difluorobenzene (Surr)	*10*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 16:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/23 16:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**51.5**		50.3		mg/Kg			12/07/23 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 14:00	1
Diesel Range Organics (Over C10-C28)	**51.5**		50.3		mg/Kg		12/06/23 17:23	12/07/23 14:00	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 14:00*	*1*
o-Terphenyl	*123*		*70 - 130*	*12/06/23 17:23*	*12/07/23 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37500**		249		mg/Kg			12/08/23 10:50	50

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-36589-10
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 16:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 16:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 16:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 16:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 16:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 16:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*63*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 16:51*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/06/23 13:51*	*12/07/23 16:51*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (1.5')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/23 16:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			12/07/23 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		12/06/23 17:23	12/07/23 14:21	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		12/06/23 17:23	12/07/23 14:21	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		12/06/23 17:23	12/07/23 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*12/06/23 17:23*	*12/07/23 14:21*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/06/23 17:23*	*12/07/23 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7760**		99.4		mg/Kg			12/08/23 10:56	20

Client Sample ID: T-3 (2')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 18:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 18:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 18:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 18:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 18:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/06/23 13:51*	*12/07/23 18:35*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/06/23 13:51*	*12/07/23 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/07/23 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/23 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (2')

Lab Sample ID: 880-36589-11
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*12/06/23 17:23*	*12/07/23 15:06*	*1*
o-Terphenyl	*109*		*70 - 130*	*12/06/23 17:23*	*12/07/23 15:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5030**	**F1**	99.2		mg/Kg			12/08/23 11:02	20

Client Sample ID: T-3 (3')

Lab Sample ID: 880-36589-12
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 19:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 19:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 19:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*12/06/23 13:51*	*12/07/23 19:01*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/06/23 13:51*	*12/07/23 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/23 19:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/07/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 15:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 15:27	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:23	12/07/23 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*12/06/23 17:23*	*12/07/23 15:27*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/06/23 17:23*	*12/07/23 15:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**796**		50.5		mg/Kg			12/08/23 11:19	10

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (4')

Lab Sample ID: 880-36589-13
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/06/23 13:51*	*12/07/23 19:27*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/06/23 13:51*	*12/07/23 19:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/23 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/23 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:48	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 15:48*	*1*
o-Terphenyl	*113*		*70 - 130*	*12/06/23 17:23*	*12/07/23 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**159**		5.00		mg/Kg			12/08/23 11:24	1

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

Lab Sample ID: 880-36589-14
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:53	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 19:53	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:51	12/07/23 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 19:53*	*1*
1,4-Difluorobenzene (Surr)	*48*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 19:53*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/07/23 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/23 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 16:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 16:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/23 17:23	12/07/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:10*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2210**		50.2		mg/Kg			12/08/23 11:41	10

Client Sample ID: T-4 (1.5')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 20:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*12/06/23 13:51*	*12/07/23 20:19*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/06/23 13:51*	*12/07/23 20:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/23 20:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/07/23 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/06/23 17:23	12/07/23 16:31	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/06/23 17:23	12/07/23 16:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-36589-15
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/06/23 17:23	12/07/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:31*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**332**		4.99		mg/Kg			12/08/23 11:47	1

Client Sample ID: T-4 (2')

Lab Sample ID: 880-36589-16
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 20:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:51	12/07/23 20:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:51	12/07/23 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*12/06/23 13:51*	*12/07/23 20:45*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/06/23 13:51*	*12/07/23 20:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/23 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	<50.3	U	50.3		mg/Kg			12/07/23 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 16:53	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 16:53	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:53*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/06/23 17:23*	*12/07/23 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.3**		4.95		mg/Kg			12/08/23 11:53	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (3)

Lab Sample ID: 880-36589-17
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 21:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 21:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 21:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 21:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 21:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 21:11*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/06/23 13:51*	*12/07/23 21:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/23 21:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/07/23 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 17:14	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:23	12/07/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*12/06/23 17:23*	*12/07/23 17:14*	*1*
o-Terphenyl	*100*		*70 - 130*	*12/06/23 17:23*	*12/07/23 17:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**131**		4.97		mg/Kg			12/08/23 11:58	1

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

Lab Sample ID: 880-36589-18
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 21:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 21:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 21:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 21:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:51	12/07/23 21:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:51	12/07/23 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*12/06/23 13:51*	*12/07/23 21:37*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/06/23 13:51*	*12/07/23 21:37*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-18
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/07/23 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**85.0**		50.1		mg/Kg			12/07/23 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		12/06/23 17:23	12/07/23 17:35	1
Diesel Range Organics (Over C10-C28)	**85.0**		50.1		mg/Kg		12/06/23 17:23	12/07/23 17:35	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/06/23 17:23	12/07/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*149*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 17:35*	*1*
o-Terphenyl	*131*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20800**		250		mg/Kg			12/08/23 12:04	50

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-36589-19
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 22:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 22:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 22:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 22:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:51	12/07/23 22:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:51	12/07/23 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/06/23 13:51*	*12/07/23 22:03*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*12/06/23 13:51*	*12/07/23 22:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/23 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/07/23 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/06/23 17:23	12/07/23 17:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/06/23 17:23	12/07/23 17:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-36589-19
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/06/23 17:23	12/07/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*12/06/23 17:23*	*12/07/23 17:57*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/06/23 17:23*	*12/07/23 17:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9720**		99.6		mg/Kg			12/08/23 12:09	20

Client Sample ID: T-5 (2')

Lab Sample ID: 880-36589-20
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 22:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 22:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 22:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 22:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 22:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:51	12/07/23 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/06/23 13:51*	*12/07/23 22:29*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*12/06/23 13:51*	*12/07/23 22:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/07/23 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/07/23 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 18:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 18:18	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:23	12/07/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/06/23 17:23*	*12/07/23 18:18*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/06/23 17:23*	*12/07/23 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11800**		101		mg/Kg			12/08/23 12:15	20

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (3')

Lab Sample ID: 880-36589-21
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		12/06/23 13:54	12/08/23 02:23	1
Toluene	<0.00199	U F1 F2	0.00199		mg/Kg		12/06/23 13:54	12/08/23 02:23	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		12/06/23 13:54	12/08/23 02:23	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398		mg/Kg		12/06/23 13:54	12/08/23 02:23	1
o-Xylene	<0.00199	U F1 F2	0.00199		mg/Kg		12/06/23 13:54	12/08/23 02:23	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		12/06/23 13:54	12/08/23 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*12/06/23 13:54*	*12/08/23 02:23*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/06/23 13:54*	*12/08/23 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			12/08/23 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	<50.3	U	50.3		mg/Kg			12/07/23 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 10:24	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 10:24	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 10:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/06/23 17:26*	*12/07/23 10:24*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/06/23 17:26*	*12/07/23 10:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9180**		101		mg/Kg			12/07/23 20:02	20

Client Sample ID: T-5 (4')

Lab Sample ID: 880-36589-22
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 02:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 02:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 02:49	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 02:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 02:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/06/23 13:54*	*12/08/23 02:49*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*12/06/23 13:54*	*12/08/23 02:49*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (4')

Lab Sample ID: 880-36589-22
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/08/23 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/07/23 11:28	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	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 11:28	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 11:28	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/06/23 17:26*	*12/07/23 11:28*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/06/23 17:26*	*12/07/23 11:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2120**		100		mg/Kg			12/07/23 20:21	20

Client Sample ID: T-5 (5')

Lab Sample ID: 880-36589-23
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 03:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 03:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 03:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 03:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 03:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 03:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*12/06/23 13:54*	*12/08/23 03:16*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/06/23 13:54*	*12/08/23 03:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/08/23 03:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/07/23 11:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/06/23 17:26	12/07/23 11:50	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/06/23 17:26	12/07/23 11:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (5')

Lab Sample ID: 880-36589-23
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/06/23 17:26	12/07/23 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/06/23 17:26*	*12/07/23 11:50*	*1*
o-Terphenyl	*95*		*70 - 130*	*12/06/23 17:26*	*12/07/23 11:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**282**		4.98		mg/Kg			12/07/23 20:28	1

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

Lab Sample ID: 880-36589-24
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 03:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 03:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 03:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 03:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 03:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*67*	*S1-*	*70 - 130*	*12/06/23 13:54*	*12/08/23 03:42*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/06/23 13:54*	*12/08/23 03:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.4**		49.7		mg/Kg			12/07/23 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:26	12/07/23 12:11	1
Diesel Range Organics (Over C10-C28)	**57.4**		49.7		mg/Kg		12/06/23 17:26	12/07/23 12:11	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:26	12/07/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:11*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5600**		99.2		mg/Kg			12/07/23 20:34	20

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-36589-25
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 04:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 04:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 04:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 04:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 04:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/06/23 13:54*	*12/08/23 04:08*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/06/23 13:54*	*12/08/23 04:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/08/23 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/07/23 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 12:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 12:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:33*	*1*
o-Terphenyl	*121*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2800**		99.6		mg/Kg			12/07/23 20:41	20

Client Sample ID: T-6 (2')

Lab Sample ID: 880-36589-26
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 04:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 04:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 04:34	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 04:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 04:34	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*12/06/23 13:54*	*12/08/23 04:34*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/06/23 13:54*	*12/08/23 04:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (2')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-26
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/08/23 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/07/23 12:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 12:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 12:55	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:55*	*1*
o-Terphenyl	*118*		*70 - 130*	*12/06/23 17:26*	*12/07/23 12:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**547**		25.0		mg/Kg			12/07/23 21:00	5

Client Sample ID: T-6 (3')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 05:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 05:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 05:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 05:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 05:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*12/06/23 13:54*	*12/08/23 05:00*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*12/06/23 13:54*	*12/08/23 05:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/08/23 05:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			12/07/23 13:16	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	<50.1	U	50.1		mg/Kg		12/06/23 17:26	12/07/23 13:16	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		12/06/23 17:26	12/07/23 13:16	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-36589-27
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		12/06/23 17:26	12/07/23 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/06/23 17:26*	*12/07/23 13:16*	*1*
o-Terphenyl	*104*		*70 - 130*	*12/06/23 17:26*	*12/07/23 13:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.5**		5.00		mg/Kg			12/07/23 21:07	1

Client Sample ID: T-6 (4')

Lab Sample ID: 880-36589-28
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 05:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 05:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/06/23 13:54*	*12/08/23 05:26*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*12/06/23 13:54*	*12/08/23 05:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/08/23 05:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/07/23 13:38	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		12/06/23 17:26	12/07/23 13:38	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 13:38	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/06/23 17:26*	*12/07/23 13:38*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/06/23 17:26*	*12/07/23 13:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**291**		4.97		mg/Kg			12/07/23 21:13	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-29
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 05:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 05:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*12/06/23 13:54*	*12/08/23 05:52*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/06/23 13:54*	*12/08/23 05:52*	*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			12/08/23 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/07/23 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 14:00	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 14:00	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/06/23 17:26*	*12/07/23 14:00*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/06/23 17:26*	*12/07/23 14:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.9**		4.98		mg/Kg			12/07/23 21:20	1

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-36589-30
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 06:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 06:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 06:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 06:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 06:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*12/06/23 13:54*	*12/08/23 06:18*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*12/06/23 13:54*	*12/08/23 06:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-36589-30
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 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	<49.6	U	49.6		mg/Kg			12/07/23 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 14:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 14:21	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/06/23 17:26*	*12/07/23 14:21*	*1*
o-Terphenyl	*94*		*70 - 130*	*12/06/23 17:26*	*12/07/23 14:21*	*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			12/07/23 21:26	1

Client Sample ID: T-7 (2')

Lab Sample ID: 880-36589-31
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 08:04	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 08:04	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 08:04	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 08:04	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 08:04	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 08:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*12/06/23 13:54*	*12/08/23 08:04*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*12/06/23 13:54*	*12/08/23 08:04*	*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			12/08/23 08:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/07/23 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 15:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 15:06	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (2')

Lab Sample ID: 880-36589-31
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:06*	*1*
o-Terphenyl	*97*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**136**		4.96		mg/Kg			12/07/23 21:33	1

Client Sample ID: T-7 (3')

Lab Sample ID: 880-36589-32
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 08:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 08:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 08:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 08:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 08:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 08:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*12/06/23 13:54*	*12/08/23 08:30*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/06/23 13:54*	*12/08/23 08:30*	*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			12/08/23 08:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/07/23 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:26	12/07/23 15:27	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/06/23 17:26	12/07/23 15:27	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:26	12/07/23 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:27*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.5**		4.95		mg/Kg			12/07/23 21:52	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-33
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 08:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 08:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 08:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 08:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 08:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*167*	*S1+*	*70 - 130*	*12/06/23 13:54*	*12/08/23 08:57*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/06/23 13:54*	*12/08/23 08:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/08/23 08:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/07/23 15:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 15:48	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 15:48	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:48*	*1*
o-Terphenyl	*98*		*70 - 130*	*12/06/23 17:26*	*12/07/23 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5230**		101		mg/Kg			12/07/23 21:59	20

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-36589-34
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 09:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 09:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 09:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 09:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 09:23	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/06/23 13:54	12/08/23 09:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*160*	*S1+*	*70 - 130*	*12/06/23 13:54*	*12/08/23 09:23*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*12/06/23 13:54*	*12/08/23 09:23*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-36589-34
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/08/23 09:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			12/07/23 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 16:10	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 16:10	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		12/06/23 17:26	12/07/23 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:10*	*1*
o-Terphenyl	*103*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4120**		100		mg/Kg			12/07/23 22:19	20

Client Sample ID: T-8 (2')

Lab Sample ID: 880-36589-35
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 09:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 09:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 09:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 09:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 09:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 09:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*12/06/23 13:54*	*12/08/23 09:50*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*12/06/23 13:54*	*12/08/23 09:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/08/23 09:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/07/23 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 16:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 16:31	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-8 (2')

Lab Sample ID: 880-36589-35
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:31*	*1*
o-Terphenyl	*96*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**622**		24.9		mg/Kg			12/07/23 22:25	5

Client Sample ID: T-8 (3')

Lab Sample ID: 880-36589-36
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 10:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 10:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 10:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 10:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/06/23 13:54	12/08/23 10:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/06/23 13:54	12/08/23 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*12/06/23 13:54*	*12/08/23 10:16*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/06/23 13:54*	*12/08/23 10:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/08/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/07/23 16:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 16:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 16:53	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:53*	*1*
o-Terphenyl	*120*		*70 - 130*	*12/06/23 17:26*	*12/07/23 16:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.9**		4.97		mg/Kg			12/07/23 22:32	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-37
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 10:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 10:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 10:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 10:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 10:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/06/23 13:54*	*12/08/23 10:42*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/06/23 13:54*	*12/08/23 10:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 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	<50.3	U	50.3		mg/Kg			12/07/23 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:14	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:14	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:14*	*1*
o-Terphenyl	*107*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10900**		99.0		mg/Kg			12/07/23 22:38	20

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-36589-38
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 11:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 11:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 11:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 11:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/06/23 13:54	12/08/23 11:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/06/23 13:54	12/08/23 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*12/06/23 13:54*	*12/08/23 11:09*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*12/06/23 13:54*	*12/08/23 11:09*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (1.5')

Lab Sample ID: 880-36589-38
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/08/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			12/07/23 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:35	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:35	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		12/06/23 17:26	12/07/23 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:35*	*1*
o-Terphenyl	*102*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4460**		99.0		mg/Kg			12/07/23 22:45	20

Client Sample ID: T-9 (2')

Lab Sample ID: 880-36589-39
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 11:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 11:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 11:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 11:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/06/23 13:54	12/08/23 11:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/06/23 13:54	12/08/23 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/06/23 13:54*	*12/08/23 11:35*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*12/06/23 13:54*	*12/08/23 11:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 11:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/07/23 17:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 17:57	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 17:57	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (2')

Lab Sample ID: 880-36589-39
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:26	12/07/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:57*	*1*
o-Terphenyl	*101*		*70 - 130*	*12/06/23 17:26*	*12/07/23 17:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6260**		99.2		mg/Kg			12/07/23 22:51	20

Client Sample ID: T-9 (3')

Lab Sample ID: 880-36589-40
Date Collected: 12/05/23 00:00
Matrix: Solid
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 12:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 12:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 12:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 12:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 12:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/06/23 13:54	12/08/23 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/06/23 13:54*	*12/08/23 12:01*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/06/23 13:54*	*12/08/23 12:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/08/23 12:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/07/23 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 18:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/06/23 17:26*	*12/07/23 18:18*	*1*
o-Terphenyl	*106*		*70 - 130*	*12/06/23 17:26*	*12/07/23 18:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9300**		100		mg/Kg			12/07/23 22:58	20

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (4')

Lab Sample ID: 880-36589-41
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:18	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/23 13:56	12/08/23 00:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/23 13:56	12/08/23 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:18*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 00:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/08/23 10:52	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		12/06/23 17:39	12/08/23 10:52	1
Diesel Range Organics (Over C10-C28)	<49.6	U F1	49.6		mg/Kg		12/06/23 17:39	12/08/23 10:52	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/06/23 17:39	12/08/23 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*12/06/23 17:39*	*12/08/23 10:52*	*1*
o-Terphenyl	*110*		*70 - 130*	*12/06/23 17:39*	*12/08/23 10:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8840**		99.0		mg/Kg			12/07/23 18:03	20

Client Sample ID: T-9 (5')

Lab Sample ID: 880-36589-42
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/23 13:56	12/08/23 00:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/23 13:56	12/08/23 00:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/23 13:56	12/08/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:38*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:38*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (5')

Lab Sample ID: 880-36589-42
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/08/23 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			12/08/23 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		12/06/23 17:39	12/08/23 11:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		12/06/23 17:39	12/08/23 11:57	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		12/06/23 17:39	12/08/23 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*12/06/23 17:39*	*12/08/23 11:57*	*1*
o-Terphenyl	*115*		*70 - 130*	*12/06/23 17:39*	*12/08/23 11:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**664**		50.0		mg/Kg			12/07/23 18:11	10

Client Sample ID: T-9 (6')

Lab Sample ID: 880-36589-43
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/07/23 13:56	12/08/23 00:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/07/23 13:56	12/08/23 00:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/07/23 13:56	12/08/23 00:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/07/23 13:56	12/08/23 00:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/07/23 13:56	12/08/23 00:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/07/23 13:56	12/08/23 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:59*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*12/07/23 13:56*	*12/08/23 00:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			12/08/23 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/08/23 12:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:18	1

Client Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (6')

Lab Sample ID: 880-36589-43
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*12/06/23 17:39*	*12/08/23 12:18*	*1*
o-Terphenyl	*129*		*70 - 130*	*12/06/23 17:39*	*12/08/23 12:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		4.98		mg/Kg			12/08/23 09:25	1

Client Sample ID: T-9 (7')

Lab Sample ID: 880-36589-44
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/08/23 01:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/08/23 01:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/08/23 01:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/07/23 13:56	12/08/23 01:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/08/23 01:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/07/23 13:56	12/08/23 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*12/07/23 13:56*	*12/08/23 01:19*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*12/07/23 13:56*	*12/08/23 01:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/08/23 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/08/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:40	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/06/23 17:39	12/08/23 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*12/06/23 17:39*	*12/08/23 12:40*	*1*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*12/06/23 17:39*	*12/08/23 12:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.09**		4.99		mg/Kg			12/08/23 09:33	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
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)
880-36589-1	T-1 (0-1')	132 S1+	93
880-36589-1 MS	T-1 (0-1')	84	91
880-36589-1 MSD	T-1 (0-1')	101	127
880-36589-2	T-1 (1.5')	72	110
880-36589-3	T-1 (2')	139 S1+	106
880-36589-4	T-1 (3')	79	105
880-36589-5	T-2 (0-1')	113	92
880-36589-6	T-2 (1.5')	88	64 S1-
880-36589-7	T-2 (2')	103	85
880-36589-8	T-2 (3')	115	76
880-36589-9	T-3 (0-1')	685 S1+	10 S1-
880-36589-10	T-3 (1.5')	63 S1-	116
880-36589-11	T-3 (2')	131 S1+	87
880-36589-12	T-3 (3')	84	95
880-36589-13	T-3 (4')	123	104
880-36589-14	T-4 (0-1')	49 S1-	48 S1-
880-36589-15	T-4 (1.5')	131 S1+	100
880-36589-16	T-4 (2')	126	108
880-36589-17	T-4 (3)	61 S1-	102
880-36589-18	T-5 (0-1')	71	100
880-36589-19	T-5 (1.5')	69 S1-	88
880-36589-20	T-5 (2')	89	76
880-36589-21	T-5 (3')	65 S1-	84
880-36589-21 MS	T-5 (3')	116	48 S1-
880-36589-21 MSD	T-5 (3')	157 S1+	147 S1+
880-36589-22	T-5 (4')	93	75
880-36589-23	T-5 (5')	139 S1+	113
880-36589-24	T-6 (0-1')	67 S1-	99
880-36589-25	T-6 (1.5')	108	85
880-36589-26	T-6 (2')	99	97
880-36589-27	T-6 (3')	134 S1+	111
880-36589-28	T-6 (4')	110	118
880-36589-29	T-7 (0-1')	72	108
880-36589-30	T-7 (1.5')	133 S1+	82
880-36589-31	T-7 (2')	123	69 S1-
880-36589-32	T-7 (3')	74	113
880-36589-33	T-8 (0-1')	167 S1+	114
880-36589-34	T-8 (1.5')	160 S1+	109
880-36589-35	T-8 (2')	87	84
880-36589-36	T-8 (3')	88	94
880-36589-37	T-9 (0-1')	94	105
880-36589-38	T-9 (1.5')	83	90
880-36589-39	T-9 (2')	107	75
880-36589-40	T-9 (3')	93	107
880-36589-41	T-9 (4')	85	105
880-36589-41 MS	T-9 (4')	102	113
880-36589-41 MSD	T-9 (4')	99	111
880-36589-42	T-9 (5')	97	113
880-36589-43	T-9 (6')	97	114

Surrogate Summary

Client: Carmona Resources
Job ID: 880-36589-1
Project/Site: Asio Flowline (07.16.23)
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)
880-36589-44	T-9 (7')	102	116
LCS 880-68519/1-A	Lab Control Sample	116	102
LCS 880-68521/1-A	Lab Control Sample	159 S1+	129
LCS 880-68522/1-A	Lab Control Sample	103	102
LCSD 880-68519/2-A	Lab Control Sample Dup	105	85
LCSD 880-68521/2-A	Lab Control Sample Dup	105	71
LCSD 880-68522/2-A	Lab Control Sample Dup	92	111
MB 880-68429/5-A	Method Blank	117	158 S1+
MB 880-68519/5-A	Method Blank	71	100
MB 880-68521/5-A	Method Blank	77	117
MB 880-68522/5-B	Method Blank	123	158 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)
880-36589-1	T-1 (0-1')	145 S1+	124
880-36589-1 MS	T-1 (0-1')	146 S1+	103
880-36589-1 MSD	T-1 (0-1')	171 S1+	118
880-36589-2	T-1 (1.5')	132 S1+	114
880-36589-3	T-1 (2')	139 S1+	117
880-36589-4	T-1 (3')	121	104
880-36589-5	T-2 (0-1')	132 S1+	115
880-36589-6	T-2 (1.5')	146 S1+	128
880-36589-7	T-2 (2')	143 S1+	123
880-36589-8	T-2 (3')	129	108
880-36589-9	T-3 (0-1')	142 S1+	123
880-36589-10	T-3 (1.5')	122	107
880-36589-11	T-3 (2')	124	109
880-36589-12	T-3 (3')	127	107
880-36589-13	T-3 (4')	134 S1+	113
880-36589-14	T-4 (0-1')	125	97
880-36589-15	T-4 (1.5')	121	97
880-36589-16	T-4 (2')	121	102
880-36589-17	T-4 (3)	118	100
880-36589-18	T-5 (0-1')	149 S1+	131 S1+
880-36589-19	T-5 (1.5')	115	101
880-36589-20	T-5 (2')	130	115
880-36589-21	T-5 (3')	92	104
880-36589-21 MS	T-5 (3')	100	101
880-36589-21 MSD	T-5 (3')	89	90
880-36589-22	T-5 (4')	96	107
880-36589-23	T-5 (5')	86	95
880-36589-24	T-6 (0-1')	93	103
880-36589-25	T-6 (1.5')	110	121

Surrogate Summary

Client: Carmona Resources
Job ID: 880-36589-1
Project/Site: Asio Flowline (07.16.23)
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								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-36589-26	T-6 (2')	108	118								
880-36589-27	T-6 (3')	93	104								
880-36589-28	T-6 (4')	87	96								
880-36589-29	T-7 (0-1')	88	98								
880-36589-30	T-7 (1.5')	89	94								
880-36589-31	T-7 (2')	88	97								
880-36589-32	T-7 (3')	112	120								
880-36589-33	T-8 (0-1')	87	98								
880-36589-34	T-8 (1.5')	93	103								
880-36589-35	T-8 (2')	89	96								
880-36589-36	T-8 (3')	111	120								
880-36589-37	T-9 (0-1')	93	107								
880-36589-38	T-9 (1.5')	89	102								
880-36589-39	T-9 (2')	88	101								
880-36589-40	T-9 (3')	93	106								
880-36589-41	T-9 (4')	125	110								
880-36589-41 MS	T-9 (4')	147 S1+	109								
880-36589-41 MSD	T-9 (4')	143 S1+	107								
880-36589-42	T-9 (5')	130	115								
880-36589-43	T-9 (6')	143 S1+	129								
880-36589-44	T-9 (7')	146 S1+	132 S1+								
LCS 880-68548/2-A	Lab Control Sample	119	129								
LCS 880-68549/2-A	Lab Control Sample	94	115								
LCS 880-68551/2-A	Lab Control Sample	89	105								
LCSD 880-68548/3-A	Lab Control Sample Dup	107	100								
LCSD 880-68549/3-A	Lab Control Sample Dup	103	124								
LCSD 880-68551/3-A	Lab Control Sample Dup	89	88								
MB 880-68548/1-A	Method Blank	216 S1+	202 S1+								
MB 880-68549/1-A	Method Blank	155 S1+	192 S1+								
MB 880-68551/1-A	Method Blank	192 S1+	194 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-68429/5-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/05/23 14:34	12/07/23 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/05/23 14:34	12/07/23 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*12/05/23 14:34*	*12/07/23 12:09*	*1*
1,4-Difluorobenzene (Surr)	*158*	*S1+*	*70 - 130*	*12/05/23 14:34*	*12/07/23 12:09*	*1*

Lab Sample ID: MB 880-68519/5-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/23 13:51	12/07/23 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:51	12/07/23 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/23 13:51	12/07/23 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*12/06/23 13:51*	*12/07/23 12:31*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/06/23 13:51*	*12/07/23 12:31*	*1*

Lab Sample ID: LCS 880-68519/1-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68519

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07870		mg/Kg		79	70 - 130		
Toluene			0.100	0.08627		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.08842		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1732		mg/Kg		87	70 - 130		
o-Xylene			0.100	0.08123		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-68519/2-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68519

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07570		mg/Kg		76	70 - 130	4	35

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-68519/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68562 — **Prep Batch: 68519**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.07664		mg/Kg		77	70 - 130	12	35
Ethylbenzene			0.100	0.08124		mg/Kg		81	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.1574		mg/Kg		79	70 - 130	10	35
o-Xylene			0.100	0.07652		mg/Kg		77	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*

Lab Sample ID: 880-36589-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68562 — **Prep Batch: 68519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.100	0.04787	F1	mg/Kg		48	70 - 130
Toluene	<0.00199	U F2 F1	0.100	0.03883	F1	mg/Kg		39	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.04114	F1	mg/Kg		41	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.08809	F1	mg/Kg		44	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.03808	F1	mg/Kg		38	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-36589-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68562 — **Prep Batch: 68519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.05049	F1	mg/Kg		51	70 - 130	5	35
Toluene	<0.00199	U F2 F1	0.0996	0.06076	F2 F1	mg/Kg		61	70 - 130	44	35
Ethylbenzene	<0.00199	U F1	0.0996	0.05321	F1	mg/Kg		53	70 - 130	26	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1031	F1	mg/Kg		52	70 - 130	16	35
o-Xylene	<0.00199	U F1	0.0996	0.05310	F1	mg/Kg		53	70 - 130	33	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*

Lab Sample ID: MB 880-68521/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68562 — **Prep Batch: 68521**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 01:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 01:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 01:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/06/23 13:54	12/08/23 01:57	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-68521/5-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/06/23 13:54	12/08/23 01:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/06/23 13:54	12/08/23 01:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*12/06/23 13:54*	*12/08/23 01:57*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*12/06/23 13:54*	*12/08/23 01:57*	*1*

Lab Sample ID: LCS 880-68521/1-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68521

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08669		mg/Kg		87	70 - 130		
Toluene			0.100	0.09657		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09418		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1883		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.1029		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*159*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*129*		*70 - 130*

Lab Sample ID: LCSD 880-68521/2-A
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68521

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.07628		mg/Kg		76	70 - 130	13	35
Toluene			0.100	0.08673		mg/Kg		87	70 - 130	11	35
Ethylbenzene			0.100	0.09157		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1718		mg/Kg		86	70 - 130	9	35
o-Xylene			0.100	0.08891		mg/Kg		89	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: 880-36589-21 MS
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 68521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.100	0.04130	F1	mg/Kg		41	70 - 130		
Toluene	<0.00199	U F1 F2	0.100	0.003174	F1	mg/Kg		3	70 - 130		
Ethylbenzene	<0.00199	U F1 F2	0.100	0.004017	F1	mg/Kg		4	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.007482	F1	mg/Kg		4	70 - 130		
o-Xylene	<0.00199	U F1 F2	0.100	0.003320	F1	mg/Kg		3	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-21 MS
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 68521

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	48	S1-	70 - 130

Lab Sample ID: 880-36589-21 MSD
Matrix: Solid
Analysis Batch: 68562

Client Sample ID: T-5 (3')
Prep Type: Total/NA
Prep Batch: 68521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.04748	F1	mg/Kg		48	70 - 130	14	35
Toluene	<0.00199	U F1 F2	0.0996	0.06904	F1 F2	mg/Kg		69	70 - 130	182	35
Ethylbenzene	<0.00199	U F1 F2	0.0996	0.06008	F1 F2	mg/Kg		60	70 - 130	175	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.1377	F1 F2	mg/Kg		69	70 - 130	179	35
o-Xylene	<0.00199	U F1 F2	0.0996	0.05069	F1 F2	mg/Kg		51	70 - 130	175	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	147	S1+	70 - 130

Lab Sample ID: MB 880-68522/5-B
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/07/23 23:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/07/23 23:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/07/23 23:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/07/23 13:56	12/07/23 23:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/07/23 13:56	12/07/23 23:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/07/23 13:56	12/07/23 23:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	12/07/23 13:56	12/07/23 23:49	1
1,4-Difluorobenzene (Surr)	158	S1+	70 - 130	12/07/23 13:56	12/07/23 23:49	1

Lab Sample ID: LCS 880-68522/1-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09869		mg/Kg		99	70 - 130
Toluene	0.100	0.09005		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.08675		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.2021		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09945		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCS 880-68522/1-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68522

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

Lab Sample ID: LCSD 880-68522/2-A
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68522

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1072		mg/Kg		107	70 - 130	8	35
Toluene			0.100	0.09441		mg/Kg		94	70 - 130	5	35
Ethylbenzene			0.100	0.08500		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1993		mg/Kg		100	70 - 130	1	35
o-Xylene			0.100	0.09827		mg/Kg		98	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-36589-41 MS
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: T-9 (4')
Prep Type: Total/NA
Prep Batch: 68522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.0996	0.08856		mg/Kg		89	70 - 130		
Toluene	<0.00199	U	0.0996	0.07575		mg/Kg		76	70 - 130		
Ethylbenzene	<0.00199	U F1	0.0996	0.06154	F1	mg/Kg		62	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1500		mg/Kg		75	70 - 130		
o-Xylene	<0.00199	U	0.0996	0.07947		mg/Kg		80	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-36589-41 MSD
Matrix: Solid
Analysis Batch: 68564

Client Sample ID: T-9 (4')
Prep Type: Total/NA
Prep Batch: 68522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.09622		mg/Kg		97	70 - 130	8	35
Toluene	<0.00199	U	0.0990	0.07706		mg/Kg		78	70 - 130	2	35
Ethylbenzene	<0.00199	U F1	0.0990	0.07186		mg/Kg		73	70 - 130	15	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1753		mg/Kg		89	70 - 130	16	35
o-Xylene	<0.00199	U	0.0990	0.08566		mg/Kg		87	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-68548/1-A
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 07:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 07:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:23	12/07/23 07:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*216*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 07:55*	*1*
o-Terphenyl	*202*	*S1+*	*70 - 130*	*12/06/23 17:23*	*12/07/23 07:55*	*1*

Lab Sample ID: LCS 880-68548/2-A
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1056		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: LCSD 880-68548/3-A
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68548

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	978.6		mg/Kg		98	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1046		mg/Kg		105	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*100*		*70 - 130*

Lab Sample ID: 880-36589-1 MS
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 68548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1000	1095		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.5	U F1	1000	1451	F1	mg/Kg		142	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-1 MS
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 68548

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	146	S1+	70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-36589-1 MSD
Matrix: Solid
Analysis Batch: 68556

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 68548

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	1000	1131		mg/Kg		111	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.5	U F1	1000	1653	F1	mg/Kg		162	70 - 130	13	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	171	S1+	70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: MB 880-68549/1-A
Matrix: Solid
Analysis Batch: 68555

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68549

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 07:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 07:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:26	12/07/23 07:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130	12/06/23 17:26	12/07/23 07:55	1
o-Terphenyl	192	S1+	70 - 130	12/06/23 17:26	12/07/23 07:55	1

Lab Sample ID: LCS 880-68549/2-A
Matrix: Solid
Analysis Batch: 68555

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	926.7		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	935.1		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	115		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: LCSD 880-68549/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68555 — **Prep Batch: 68549**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	846.2		mg/Kg		85	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	880.0		mg/Kg		88	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*124*		*70 - 130*

Lab Sample ID: 880-36589-21 MS — **Client Sample ID: T-5 (3')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68555 — **Prep Batch: 68549**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	890.0		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	<50.3	U	993	987.1		mg/Kg		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: 880-36589-21 MSD — **Client Sample ID: T-5 (3')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68555 — **Prep Batch: 68549**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	993	788.7		mg/Kg		77	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.3	U	993	897.6		mg/Kg		87	70 - 130	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*89*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: MB 880-68551/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68637 — **Prep Batch: 68551**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/23 17:37	12/08/23 08:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/23 17:37	12/08/23 08:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/23 17:37	12/08/23 08:19	1

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: MB 880-68551/1-A
Matrix: Solid
Analysis Batch: 68637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 68551

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	192	S1+	70 - 130	12/06/23 17:37	12/08/23 08:19	1
o-Terphenyl	194	S1+	70 - 130	12/06/23 17:37	12/08/23 08:19	1

Lab Sample ID: LCS 880-68551/2-A
Matrix: Solid
Analysis Batch: 68637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 68551

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	977.7		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	864.7		mg/Kg		86	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-68551/3-A
Matrix: Solid
Analysis Batch: 68637

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 68551

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.6		mg/Kg		98	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	909.3		mg/Kg		91	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-36589-41 MS
Matrix: Solid
Analysis Batch: 68637

Client Sample ID: T-9 (4')
Prep Type: Total/NA
Prep Batch: 68551

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	1010	1064		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1470	F1	mg/Kg		144	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	109		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-41 MSD — **Client Sample ID: T-9 (4')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 68637 — **Prep Batch: 68551**

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	1010	1201		mg/Kg		116	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1434	F1	mg/Kg		140	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*143*	*S1+*	*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-68501/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/07/23 13:54	1

Lab Sample ID: LCS 880-68501/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-68501/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.9		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-36051-A-46-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	890	F1	252	1103	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-36051-A-46-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	890	F1	252	1107	F1	mg/Kg		86	90 - 110	0	20

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-36469-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10100	F1 F2	4990	12080	F1	mg/Kg		40	90 - 110

Lab Sample ID: 880-36469-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10100	F1 F2	4990	16440	F1 F2	mg/Kg		128	90 - 110	31	20

Lab Sample ID: MB 880-68523/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/08/23 09:26	1

Lab Sample ID: LCS 880-68523/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	269.9		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-68523/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	269.4		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-36589-1 MS — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	280		249	527.5		mg/Kg		99	90 - 110

Lab Sample ID: 880-36589-1 MSD — **Client Sample ID: T-1 (0-1')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	280		249	520.6		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-36589-11 MS — **Client Sample ID: T-3 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5030	F1	4960	10640	F1	mg/Kg		113	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-36589-11 MSD — **Client Sample ID: T-3 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5030	F1	4960	10840	F1	mg/Kg		117	90 - 110	2	20

Lab Sample ID: MB 880-68524/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/07/23 19:42	1

Lab Sample ID: LCS 880-68524/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-68524/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-36589-21 MS — **Client Sample ID: T-5 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9180		5050	14510		mg/Kg		106	90 - 110

Lab Sample ID: 880-36589-21 MSD — **Client Sample ID: T-5 (3')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9180		5050	14570		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-36589-31 MS — **Client Sample ID: T-7 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	136		248	376.4		mg/Kg		97	90 - 110

Lab Sample ID: 880-36589-31 MSD — **Client Sample ID: T-7 (2')**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 68611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	136		248	375.4		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC VOA

Prep Batch: 68429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-68429/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 68519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	5035	
880-36589-2	T-1 (1.5')	Total/NA	Solid	5035	
880-36589-3	T-1 (2')	Total/NA	Solid	5035	
880-36589-4	T-1 (3')	Total/NA	Solid	5035	
880-36589-5	T-2 (0-1')	Total/NA	Solid	5035	
880-36589-6	T-2 (1.5')	Total/NA	Solid	5035	
880-36589-7	T-2 (2')	Total/NA	Solid	5035	
880-36589-8	T-2 (3')	Total/NA	Solid	5035	
880-36589-9	T-3 (0-1')	Total/NA	Solid	5035	
880-36589-10	T-3 (1.5')	Total/NA	Solid	5035	
880-36589-11	T-3 (2')	Total/NA	Solid	5035	
880-36589-12	T-3 (3')	Total/NA	Solid	5035	
880-36589-13	T-3 (4')	Total/NA	Solid	5035	
880-36589-14	T-4 (0-1')	Total/NA	Solid	5035	
880-36589-15	T-4 (1.5')	Total/NA	Solid	5035	
880-36589-16	T-4 (2')	Total/NA	Solid	5035	
880-36589-17	T-4 (3)	Total/NA	Solid	5035	
880-36589-18	T-5 (0-1')	Total/NA	Solid	5035	
880-36589-19	T-5 (1.5')	Total/NA	Solid	5035	
880-36589-20	T-5 (2')	Total/NA	Solid	5035	
MB 880-68519/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-68519/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68519/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36589-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-36589-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 68521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-21	T-5 (3')	Total/NA	Solid	5035	
880-36589-22	T-5 (4')	Total/NA	Solid	5035	
880-36589-23	T-5 (5')	Total/NA	Solid	5035	
880-36589-24	T-6 (0-1')	Total/NA	Solid	5035	
880-36589-25	T-6 (1.5')	Total/NA	Solid	5035	
880-36589-26	T-6 (2')	Total/NA	Solid	5035	
880-36589-27	T-6 (3')	Total/NA	Solid	5035	
880-36589-28	T-6 (4')	Total/NA	Solid	5035	
880-36589-29	T-7 (0-1')	Total/NA	Solid	5035	
880-36589-30	T-7 (1.5')	Total/NA	Solid	5035	
880-36589-31	T-7 (2')	Total/NA	Solid	5035	
880-36589-32	T-7 (3')	Total/NA	Solid	5035	
880-36589-33	T-8 (0-1')	Total/NA	Solid	5035	
880-36589-34	T-8 (1.5')	Total/NA	Solid	5035	
880-36589-35	T-8 (2')	Total/NA	Solid	5035	
880-36589-36	T-8 (3')	Total/NA	Solid	5035	
880-36589-37	T-9 (0-1')	Total/NA	Solid	5035	
880-36589-38	T-9 (1.5')	Total/NA	Solid	5035	
880-36589-39	T-9 (2')	Total/NA	Solid	5035	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Prep Batch: 68521 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-40	T-9 (3')	Total/NA	Solid	5035	
MB 880-68521/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-68521/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68521/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36589-21 MS	T-5 (3')	Total/NA	Solid	5035	
880-36589-21 MSD	T-5 (3')	Total/NA	Solid	5035	

Prep Batch: 68522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Total/NA	Solid	5035	
880-36589-42	T-9 (5')	Total/NA	Solid	5035	
880-36589-43	T-9 (6')	Total/NA	Solid	5035	
880-36589-44	T-9 (7')	Total/NA	Solid	5035	
MB 880-68522/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-68522/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-68522/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-36589-41 MS	T-9 (4')	Total/NA	Solid	5035	
880-36589-41 MSD	T-9 (4')	Total/NA	Solid	5035	

Analysis Batch: 68562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	8021B	68519
880-36589-2	T-1 (1.5')	Total/NA	Solid	8021B	68519
880-36589-3	T-1 (2')	Total/NA	Solid	8021B	68519
880-36589-4	T-1 (3')	Total/NA	Solid	8021B	68519
880-36589-5	T-2 (0-1')	Total/NA	Solid	8021B	68519
880-36589-6	T-2 (1.5')	Total/NA	Solid	8021B	68519
880-36589-7	T-2 (2')	Total/NA	Solid	8021B	68519
880-36589-8	T-2 (3')	Total/NA	Solid	8021B	68519
880-36589-9	T-3 (0-1')	Total/NA	Solid	8021B	68519
880-36589-10	T-3 (1.5')	Total/NA	Solid	8021B	68519
880-36589-11	T-3 (2')	Total/NA	Solid	8021B	68519
880-36589-12	T-3 (3')	Total/NA	Solid	8021B	68519
880-36589-13	T-3 (4')	Total/NA	Solid	8021B	68519
880-36589-14	T-4 (0-1')	Total/NA	Solid	8021B	68519
880-36589-15	T-4 (1.5')	Total/NA	Solid	8021B	68519
880-36589-16	T-4 (2')	Total/NA	Solid	8021B	68519
880-36589-17	T-4 (3)	Total/NA	Solid	8021B	68519
880-36589-18	T-5 (0-1')	Total/NA	Solid	8021B	68519
880-36589-19	T-5 (1.5')	Total/NA	Solid	8021B	68519
880-36589-20	T-5 (2')	Total/NA	Solid	8021B	68519
880-36589-21	T-5 (3')	Total/NA	Solid	8021B	68521
880-36589-22	T-5 (4')	Total/NA	Solid	8021B	68521
880-36589-23	T-5 (5')	Total/NA	Solid	8021B	68521
880-36589-24	T-6 (0-1')	Total/NA	Solid	8021B	68521
880-36589-25	T-6 (1.5')	Total/NA	Solid	8021B	68521
880-36589-26	T-6 (2')	Total/NA	Solid	8021B	68521
880-36589-27	T-6 (3')	Total/NA	Solid	8021B	68521
880-36589-28	T-6 (4')	Total/NA	Solid	8021B	68521
880-36589-29	T-7 (0-1')	Total/NA	Solid	8021B	68521
880-36589-30	T-7 (1.5')	Total/NA	Solid	8021B	68521

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 68562 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-31	T-7 (2')	Total/NA	Solid	8021B	68521
880-36589-32	T-7 (3')	Total/NA	Solid	8021B	68521
880-36589-33	T-8 (0-1')	Total/NA	Solid	8021B	68521
880-36589-34	T-8 (1.5')	Total/NA	Solid	8021B	68521
880-36589-35	T-8 (2')	Total/NA	Solid	8021B	68521
880-36589-36	T-8 (3')	Total/NA	Solid	8021B	68521
880-36589-37	T-9 (0-1')	Total/NA	Solid	8021B	68521
880-36589-38	T-9 (1.5')	Total/NA	Solid	8021B	68521
880-36589-39	T-9 (2')	Total/NA	Solid	8021B	68521
880-36589-40	T-9 (3')	Total/NA	Solid	8021B	68521
MB 880-68519/5-A	Method Blank	Total/NA	Solid	8021B	68519
MB 880-68521/5-A	Method Blank	Total/NA	Solid	8021B	68521
LCS 880-68519/1-A	Lab Control Sample	Total/NA	Solid	8021B	68519
LCS 880-68521/1-A	Lab Control Sample	Total/NA	Solid	8021B	68521
LCSD 880-68519/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68519
LCSD 880-68521/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68521
880-36589-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	68519
880-36589-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	68519
880-36589-21 MS	T-5 (3')	Total/NA	Solid	8021B	68521
880-36589-21 MSD	T-5 (3')	Total/NA	Solid	8021B	68521

Analysis Batch: 68564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Total/NA	Solid	8021B	68522
880-36589-42	T-9 (5')	Total/NA	Solid	8021B	68522
880-36589-43	T-9 (6')	Total/NA	Solid	8021B	68522
880-36589-44	T-9 (7')	Total/NA	Solid	8021B	68522
MB 880-68429/5-A	Method Blank	Total/NA	Solid	8021B	68429
MB 880-68522/5-B	Method Blank	Total/NA	Solid	8021B	68522
LCS 880-68522/1-A	Lab Control Sample	Total/NA	Solid	8021B	68522
LCSD 880-68522/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	68522
880-36589-41 MS	T-9 (4')	Total/NA	Solid	8021B	68522
880-36589-41 MSD	T-9 (4')	Total/NA	Solid	8021B	68522

Analysis Batch: 68694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-36589-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-36589-5	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-6	T-2 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-7	T-2 (2')	Total/NA	Solid	Total BTEX	
880-36589-8	T-2 (3')	Total/NA	Solid	Total BTEX	
880-36589-9	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-10	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-11	T-3 (2')	Total/NA	Solid	Total BTEX	
880-36589-12	T-3 (3')	Total/NA	Solid	Total BTEX	
880-36589-13	T-3 (4')	Total/NA	Solid	Total BTEX	
880-36589-14	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-15	T-4 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC VOA (Continued)

Analysis Batch: 68694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-16	T-4 (2')	Total/NA	Solid	Total BTEX	
880-36589-17	T-4 (3)	Total/NA	Solid	Total BTEX	
880-36589-18	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-19	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-20	T-5 (2')	Total/NA	Solid	Total BTEX	
880-36589-21	T-5 (3')	Total/NA	Solid	Total BTEX	
880-36589-22	T-5 (4')	Total/NA	Solid	Total BTEX	
880-36589-23	T-5 (5')	Total/NA	Solid	Total BTEX	
880-36589-24	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-25	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-26	T-6 (2')	Total/NA	Solid	Total BTEX	
880-36589-27	T-6 (3')	Total/NA	Solid	Total BTEX	
880-36589-28	T-6 (4')	Total/NA	Solid	Total BTEX	
880-36589-29	T-7 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-30	T-7 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-31	T-7 (2')	Total/NA	Solid	Total BTEX	
880-36589-32	T-7 (3')	Total/NA	Solid	Total BTEX	
880-36589-33	T-8 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-34	T-8 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-35	T-8 (2')	Total/NA	Solid	Total BTEX	
880-36589-36	T-8 (3')	Total/NA	Solid	Total BTEX	
880-36589-37	T-9 (0-1')	Total/NA	Solid	Total BTEX	
880-36589-38	T-9 (1.5')	Total/NA	Solid	Total BTEX	
880-36589-39	T-9 (2')	Total/NA	Solid	Total BTEX	
880-36589-40	T-9 (3')	Total/NA	Solid	Total BTEX	
880-36589-41	T-9 (4')	Total/NA	Solid	Total BTEX	
880-36589-42	T-9 (5')	Total/NA	Solid	Total BTEX	
880-36589-43	T-9 (6')	Total/NA	Solid	Total BTEX	
880-36589-44	T-9 (7')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 68548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-36589-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-36589-5	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-6	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-7	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-36589-8	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-36589-9	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-10	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-11	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-36589-12	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-36589-13	T-3 (4')	Total/NA	Solid	8015NM Prep	
880-36589-14	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-15	T-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-16	T-4 (2')	Total/NA	Solid	8015NM Prep	
880-36589-17	T-4 (3)	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Prep Batch: 68548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-18	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-19	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-20	T-5 (2')	Total/NA	Solid	8015NM Prep	
MB 880-68548/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-68548/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36589-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 68549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-21	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-36589-22	T-5 (4')	Total/NA	Solid	8015NM Prep	
880-36589-23	T-5 (5')	Total/NA	Solid	8015NM Prep	
880-36589-24	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-25	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-26	T-6 (2')	Total/NA	Solid	8015NM Prep	
880-36589-27	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-36589-28	T-6 (4')	Total/NA	Solid	8015NM Prep	
880-36589-29	T-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-30	T-7 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-31	T-7 (2')	Total/NA	Solid	8015NM Prep	
880-36589-32	T-7 (3')	Total/NA	Solid	8015NM Prep	
880-36589-33	T-8 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-34	T-8 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-35	T-8 (2')	Total/NA	Solid	8015NM Prep	
880-36589-36	T-8 (3')	Total/NA	Solid	8015NM Prep	
880-36589-37	T-9 (0-1')	Total/NA	Solid	8015NM Prep	
880-36589-38	T-9 (1.5')	Total/NA	Solid	8015NM Prep	
880-36589-39	T-9 (2')	Total/NA	Solid	8015NM Prep	
880-36589-40	T-9 (3')	Total/NA	Solid	8015NM Prep	
MB 880-68549/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-68549/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68549/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36589-21 MS	T-5 (3')	Total/NA	Solid	8015NM Prep	
880-36589-21 MSD	T-5 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 68551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-36589-42	T-9 (5')	Total/NA	Solid	8015NM Prep	
880-36589-43	T-9 (6')	Total/NA	Solid	8015NM Prep	
880-36589-44	T-9 (7')	Total/NA	Solid	8015NM Prep	
MB 880-68551/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-68551/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-68551/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-36589-41 MS	T-9 (4')	Total/NA	Solid	8015NM Prep	
880-36589-41 MSD	T-9 (4')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC Semi VOA

Analysis Batch: 68555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-21	T-5 (3')	Total/NA	Solid	8015B NM	68549
880-36589-22	T-5 (4')	Total/NA	Solid	8015B NM	68549
880-36589-23	T-5 (5')	Total/NA	Solid	8015B NM	68549
880-36589-24	T-6 (0-1')	Total/NA	Solid	8015B NM	68549
880-36589-25	T-6 (1.5')	Total/NA	Solid	8015B NM	68549
880-36589-26	T-6 (2')	Total/NA	Solid	8015B NM	68549
880-36589-27	T-6 (3')	Total/NA	Solid	8015B NM	68549
880-36589-28	T-6 (4')	Total/NA	Solid	8015B NM	68549
880-36589-29	T-7 (0-1')	Total/NA	Solid	8015B NM	68549
880-36589-30	T-7 (1.5')	Total/NA	Solid	8015B NM	68549
880-36589-31	T-7 (2')	Total/NA	Solid	8015B NM	68549
880-36589-32	T-7 (3')	Total/NA	Solid	8015B NM	68549
880-36589-33	T-8 (0-1')	Total/NA	Solid	8015B NM	68549
880-36589-34	T-8 (1.5')	Total/NA	Solid	8015B NM	68549
880-36589-35	T-8 (2')	Total/NA	Solid	8015B NM	68549
880-36589-36	T-8 (3')	Total/NA	Solid	8015B NM	68549
880-36589-37	T-9 (0-1')	Total/NA	Solid	8015B NM	68549
880-36589-38	T-9 (1.5')	Total/NA	Solid	8015B NM	68549
880-36589-39	T-9 (2')	Total/NA	Solid	8015B NM	68549
880-36589-40	T-9 (3')	Total/NA	Solid	8015B NM	68549
MB 880-68549/1-A	Method Blank	Total/NA	Solid	8015B NM	68549
LCS 880-68549/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68549
LCSD 880-68549/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68549
880-36589-21 MS	T-5 (3')	Total/NA	Solid	8015B NM	68549
880-36589-21 MSD	T-5 (3')	Total/NA	Solid	8015B NM	68549

Analysis Batch: 68556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-2	T-1 (1.5')	Total/NA	Solid	8015B NM	68548
880-36589-3	T-1 (2')	Total/NA	Solid	8015B NM	68548
880-36589-4	T-1 (3')	Total/NA	Solid	8015B NM	68548
880-36589-5	T-2 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-6	T-2 (1.5')	Total/NA	Solid	8015B NM	68548
880-36589-7	T-2 (2')	Total/NA	Solid	8015B NM	68548
880-36589-8	T-2 (3')	Total/NA	Solid	8015B NM	68548
880-36589-9	T-3 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-10	T-3 (1.5')	Total/NA	Solid	8015B NM	68548
880-36589-11	T-3 (2')	Total/NA	Solid	8015B NM	68548
880-36589-12	T-3 (3')	Total/NA	Solid	8015B NM	68548
880-36589-13	T-3 (4')	Total/NA	Solid	8015B NM	68548
880-36589-14	T-4 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-15	T-4 (1.5')	Total/NA	Solid	8015B NM	68548
880-36589-16	T-4 (2')	Total/NA	Solid	8015B NM	68548
880-36589-17	T-4 (3)	Total/NA	Solid	8015B NM	68548
880-36589-18	T-5 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-19	T-5 (1.5')	Total/NA	Solid	8015B NM	68548
880-36589-20	T-5 (2')	Total/NA	Solid	8015B NM	68548
MB 880-68548/1-A	Method Blank	Total/NA	Solid	8015B NM	68548
LCS 880-68548/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68548
LCSD 880-68548/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68548

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 68556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	68548
880-36589-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	68548

Analysis Batch: 68637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Total/NA	Solid	8015B NM	68551
880-36589-42	T-9 (5')	Total/NA	Solid	8015B NM	68551
880-36589-43	T-9 (6')	Total/NA	Solid	8015B NM	68551
880-36589-44	T-9 (7')	Total/NA	Solid	8015B NM	68551
MB 880-68551/1-A	Method Blank	Total/NA	Solid	8015B NM	68551
LCS 880-68551/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	68551
LCSD 880-68551/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	68551
880-36589-41 MS	T-9 (4')	Total/NA	Solid	8015B NM	68551
880-36589-41 MSD	T-9 (4')	Total/NA	Solid	8015B NM	68551

Analysis Batch: 68672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-36589-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-36589-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-36589-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-36589-5	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-36589-6	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-36589-7	T-2 (2')	Total/NA	Solid	8015 NM	
880-36589-8	T-2 (3')	Total/NA	Solid	8015 NM	
880-36589-9	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-36589-10	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-36589-11	T-3 (2')	Total/NA	Solid	8015 NM	
880-36589-12	T-3 (3')	Total/NA	Solid	8015 NM	
880-36589-13	T-3 (4')	Total/NA	Solid	8015 NM	
880-36589-14	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-36589-15	T-4 (1.5')	Total/NA	Solid	8015 NM	
880-36589-16	T-4 (2')	Total/NA	Solid	8015 NM	
880-36589-17	T-4 (3)	Total/NA	Solid	8015 NM	
880-36589-18	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-36589-19	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-36589-20	T-5 (2')	Total/NA	Solid	8015 NM	
880-36589-21	T-5 (3')	Total/NA	Solid	8015 NM	
880-36589-22	T-5 (4')	Total/NA	Solid	8015 NM	
880-36589-23	T-5 (5')	Total/NA	Solid	8015 NM	
880-36589-24	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-36589-25	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-36589-26	T-6 (2')	Total/NA	Solid	8015 NM	
880-36589-27	T-6 (3')	Total/NA	Solid	8015 NM	
880-36589-28	T-6 (4')	Total/NA	Solid	8015 NM	
880-36589-29	T-7 (0-1')	Total/NA	Solid	8015 NM	
880-36589-30	T-7 (1.5')	Total/NA	Solid	8015 NM	
880-36589-31	T-7 (2')	Total/NA	Solid	8015 NM	
880-36589-32	T-7 (3')	Total/NA	Solid	8015 NM	
880-36589-33	T-8 (0-1')	Total/NA	Solid	8015 NM	
880-36589-34	T-8 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

GC Semi VOA (Continued)

Analysis Batch: 68672 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-35	T-8 (2')	Total/NA	Solid	8015 NM	
880-36589-36	T-8 (3')	Total/NA	Solid	8015 NM	
880-36589-37	T-9 (0-1')	Total/NA	Solid	8015 NM	
880-36589-38	T-9 (1.5')	Total/NA	Solid	8015 NM	
880-36589-39	T-9 (2')	Total/NA	Solid	8015 NM	
880-36589-40	T-9 (3')	Total/NA	Solid	8015 NM	
880-36589-41	T-9 (4')	Total/NA	Solid	8015 NM	
880-36589-42	T-9 (5')	Total/NA	Solid	8015 NM	
880-36589-43	T-9 (6')	Total/NA	Solid	8015 NM	
880-36589-44	T-9 (7')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 68501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Soluble	Solid	DI Leach	
880-36589-42	T-9 (5')	Soluble	Solid	DI Leach	
880-36589-43	T-9 (6')	Soluble	Solid	DI Leach	
880-36589-44	T-9 (7')	Soluble	Solid	DI Leach	
MB 880-68501/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68501/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-68501/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36051-A-46-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-36051-A-46-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-36469-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-36469-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 68523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-36589-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-36589-3	T-1 (2')	Soluble	Solid	DI Leach	
880-36589-4	T-1 (3')	Soluble	Solid	DI Leach	
880-36589-5	T-2 (0-1')	Soluble	Solid	DI Leach	
880-36589-6	T-2 (1.5')	Soluble	Solid	DI Leach	
880-36589-7	T-2 (2')	Soluble	Solid	DI Leach	
880-36589-8	T-2 (3')	Soluble	Solid	DI Leach	
880-36589-9	T-3 (0-1')	Soluble	Solid	DI Leach	
880-36589-10	T-3 (1.5')	Soluble	Solid	DI Leach	
880-36589-11	T-3 (2')	Soluble	Solid	DI Leach	
880-36589-12	T-3 (3')	Soluble	Solid	DI Leach	
880-36589-13	T-3 (4')	Soluble	Solid	DI Leach	
880-36589-14	T-4 (0-1')	Soluble	Solid	DI Leach	
880-36589-15	T-4 (1.5')	Soluble	Solid	DI Leach	
880-36589-16	T-4 (2')	Soluble	Solid	DI Leach	
880-36589-17	T-4 (3)	Soluble	Solid	DI Leach	
880-36589-18	T-5 (0-1')	Soluble	Solid	DI Leach	
880-36589-19	T-5 (1.5')	Soluble	Solid	DI Leach	
880-36589-20	T-5 (2')	Soluble	Solid	DI Leach	
MB 880-68523/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68523/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Leach Batch: 68523 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-68523/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36589-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-36589-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-36589-11 MS	T-3 (2')	Soluble	Solid	DI Leach	
880-36589-11 MSD	T-3 (2')	Soluble	Solid	DI Leach	

Leach Batch: 68524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-21	T-5 (3')	Soluble	Solid	DI Leach	
880-36589-22	T-5 (4')	Soluble	Solid	DI Leach	
880-36589-23	T-5 (5')	Soluble	Solid	DI Leach	
880-36589-24	T-6 (0-1')	Soluble	Solid	DI Leach	
880-36589-25	T-6 (1.5')	Soluble	Solid	DI Leach	
880-36589-26	T-6 (2')	Soluble	Solid	DI Leach	
880-36589-27	T-6 (3')	Soluble	Solid	DI Leach	
880-36589-28	T-6 (4')	Soluble	Solid	DI Leach	
880-36589-29	T-7 (0-1')	Soluble	Solid	DI Leach	
880-36589-30	T-7 (1.5')	Soluble	Solid	DI Leach	
880-36589-31	T-7 (2')	Soluble	Solid	DI Leach	
880-36589-32	T-7 (3')	Soluble	Solid	DI Leach	
880-36589-33	T-8 (0-1')	Soluble	Solid	DI Leach	
880-36589-34	T-8 (1.5')	Soluble	Solid	DI Leach	
880-36589-35	T-8 (2')	Soluble	Solid	DI Leach	
880-36589-36	T-8 (3')	Soluble	Solid	DI Leach	
880-36589-37	T-9 (0-1')	Soluble	Solid	DI Leach	
880-36589-38	T-9 (1.5')	Soluble	Solid	DI Leach	
880-36589-39	T-9 (2')	Soluble	Solid	DI Leach	
880-36589-40	T-9 (3')	Soluble	Solid	DI Leach	
MB 880-68524/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-68524/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-68524/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-36589-21 MS	T-5 (3')	Soluble	Solid	DI Leach	
880-36589-21 MSD	T-5 (3')	Soluble	Solid	DI Leach	
880-36589-31 MS	T-7 (2')	Soluble	Solid	DI Leach	
880-36589-31 MSD	T-7 (2')	Soluble	Solid	DI Leach	

Analysis Batch: 68589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-41	T-9 (4')	Soluble	Solid	300.0	68501
880-36589-42	T-9 (5')	Soluble	Solid	300.0	68501
880-36589-43	T-9 (6')	Soluble	Solid	300.0	68501
880-36589-44	T-9 (7')	Soluble	Solid	300.0	68501
MB 880-68501/1-A	Method Blank	Soluble	Solid	300.0	68501
LCS 880-68501/2-A	Lab Control Sample	Soluble	Solid	300.0	68501
LCSD 880-68501/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68501
880-36051-A-46-B MS	Matrix Spike	Soluble	Solid	300.0	68501
880-36051-A-46-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	68501
880-36469-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	68501
880-36469-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	68501

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

HPLC/IC

Analysis Batch: 68610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-1	T-1 (0-1')	Soluble	Solid	300.0	68523
880-36589-2	T-1 (1.5')	Soluble	Solid	300.0	68523
880-36589-3	T-1 (2')	Soluble	Solid	300.0	68523
880-36589-4	T-1 (3')	Soluble	Solid	300.0	68523
880-36589-5	T-2 (0-1')	Soluble	Solid	300.0	68523
880-36589-6	T-2 (1.5')	Soluble	Solid	300.0	68523
880-36589-7	T-2 (2')	Soluble	Solid	300.0	68523
880-36589-8	T-2 (3')	Soluble	Solid	300.0	68523
880-36589-9	T-3 (0-1')	Soluble	Solid	300.0	68523
880-36589-10	T-3 (1.5')	Soluble	Solid	300.0	68523
880-36589-11	T-3 (2')	Soluble	Solid	300.0	68523
880-36589-12	T-3 (3')	Soluble	Solid	300.0	68523
880-36589-13	T-3 (4')	Soluble	Solid	300.0	68523
880-36589-14	T-4 (0-1')	Soluble	Solid	300.0	68523
880-36589-15	T-4 (1.5')	Soluble	Solid	300.0	68523
880-36589-16	T-4 (2')	Soluble	Solid	300.0	68523
880-36589-17	T-4 (3)	Soluble	Solid	300.0	68523
880-36589-18	T-5 (0-1')	Soluble	Solid	300.0	68523
880-36589-19	T-5 (1.5')	Soluble	Solid	300.0	68523
880-36589-20	T-5 (2')	Soluble	Solid	300.0	68523
MB 880-68523/1-A	Method Blank	Soluble	Solid	300.0	68523
LCS 880-68523/2-A	Lab Control Sample	Soluble	Solid	300.0	68523
LCSD 880-68523/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68523
880-36589-1 MS	T-1 (0-1')	Soluble	Solid	300.0	68523
880-36589-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	68523
880-36589-11 MS	T-3 (2')	Soluble	Solid	300.0	68523
880-36589-11 MSD	T-3 (2')	Soluble	Solid	300.0	68523

Analysis Batch: 68611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-36589-21	T-5 (3')	Soluble	Solid	300.0	68524
880-36589-22	T-5 (4')	Soluble	Solid	300.0	68524
880-36589-23	T-5 (5')	Soluble	Solid	300.0	68524
880-36589-24	T-6 (0-1')	Soluble	Solid	300.0	68524
880-36589-25	T-6 (1.5')	Soluble	Solid	300.0	68524
880-36589-26	T-6 (2')	Soluble	Solid	300.0	68524
880-36589-27	T-6 (3')	Soluble	Solid	300.0	68524
880-36589-28	T-6 (4')	Soluble	Solid	300.0	68524
880-36589-29	T-7 (0-1')	Soluble	Solid	300.0	68524
880-36589-30	T-7 (1.5')	Soluble	Solid	300.0	68524
880-36589-31	T-7 (2')	Soluble	Solid	300.0	68524
880-36589-32	T-7 (3')	Soluble	Solid	300.0	68524
880-36589-33	T-8 (0-1')	Soluble	Solid	300.0	68524
880-36589-34	T-8 (1.5')	Soluble	Solid	300.0	68524
880-36589-35	T-8 (2')	Soluble	Solid	300.0	68524
880-36589-36	T-8 (3')	Soluble	Solid	300.0	68524
880-36589-37	T-9 (0-1')	Soluble	Solid	300.0	68524
880-36589-38	T-9 (1.5')	Soluble	Solid	300.0	68524
880-36589-39	T-9 (2')	Soluble	Solid	300.0	68524
880-36589-40	T-9 (3')	Soluble	Solid	300.0	68524
MB 880-68524/1-A	Method Blank	Soluble	Solid	300.0	68524

QC Association Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

HPLC/IC (Continued)

Analysis Batch: 68611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-68524/2-A	Lab Control Sample	Soluble	Solid	300.0	68524
LCSD 880-68524/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	68524
880-36589-21 MS	T-5 (3')	Soluble	Solid	300.0	68524
880-36589-21 MSD	T-5 (3')	Soluble	Solid	300.0	68524
880-36589-31 MS	T-7 (2')	Soluble	Solid	300.0	68524
880-36589-31 MSD	T-7 (2')	Soluble	Solid	300.0	68524

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-1
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 12:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 12:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 10:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 09:43	SMC	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-36589-2
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 13:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 13:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 11:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:00	SMC	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-36589-3
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 13:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 13:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 11:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 11:50	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:05	SMC	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-36589-4
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 14:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 14:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-1 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-4
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			68672	12/07/23 12:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:11	SMC	EET MID

Client Sample ID: T-2 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-5
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			5.05 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 14:41	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:16	SMC	EET MID

Client Sample ID: T-2 (1.5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-6
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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 15:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 15:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:34	SMC	EET MID

Client Sample ID: T-2 (2')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 15:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 13:16	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-2 (2')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-7
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 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:39	SMC	EET MID

Client Sample ID: T-2 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 15:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 10:45	SMC	EET MID

Client Sample ID: T-3 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 16:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		50			68610	12/08/23 10:50	SMC	EET MID

Client Sample ID: T-3 (1.5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 16:51	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		20			68610	12/08/23 10:56	SMC	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-3 (2')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 18:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 18:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 15:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		20			68610	12/08/23 11:02	SMC	EET MID

Client Sample ID: T-3 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-12
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			5.03 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 19:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 15:27	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		10			68610	12/08/23 11:19	SMC	EET MID

Client Sample ID: T-3 (4')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-13
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			5.01 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 19:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 19:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 15:48	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 11:24	SMC	EET MID

Client Sample ID: T-4 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 19:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 19:53	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-14
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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			68672	12/07/23 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 16:10	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		10			68610	12/08/23 11:41	SMC	EET MID

Client Sample ID: T-4 (1.5')

Lab Sample ID: 880-36589-15
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 20:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 11:47	SMC	EET MID

Client Sample ID: T-4 (2')

Lab Sample ID: 880-36589-16
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 20:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 20:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 11:53	SMC	EET MID

Client Sample ID: T-4 (3)

Lab Sample ID: 880-36589-17
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 21:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 21:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 17:14	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-4 (3)

Lab Sample ID: 880-36589-17
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		1			68610	12/08/23 11:58	SMC	EET MID

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

Lab Sample ID: 880-36589-18
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 21:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 21:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 17:35	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		50			68610	12/08/23 12:04	SMC	EET MID

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-36589-19
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 22:03	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 22:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		20			68610	12/08/23 12:09	SMC	EET MID

Client Sample ID: T-5 (2')

Lab Sample ID: 880-36589-20
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68519	12/06/23 13:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/07/23 22:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/07/23 22:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 18:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68548	12/06/23 17:23	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68556	12/07/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68523	12/06/23 13:58	CH	EET MID
Soluble	Analysis	300.0		20			68610	12/08/23 12:15	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-5 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-21
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			5.03 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 02:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 02:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 10:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 10:24	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 20:02	CH	EET MID

Client Sample ID: T-5 (4')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 02:49	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 02:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 11:28	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 11:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 20:21	CH	EET MID

Client Sample ID: T-5 (5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-23
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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 03:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 03:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 11:50	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 11:50	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 20:28	CH	EET MID

Client Sample ID: T-6 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 03:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 03:42	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

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

Lab Sample ID: 880-36589-24
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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			68672	12/07/23 12:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 12:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 20:34	CH	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-36589-25
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 04:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 20:41	CH	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-36589-26
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 04:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 04:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 12:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		5			68611	12/07/23 21:00	CH	EET MID

Client Sample ID: T-6 (3')

Lab Sample ID: 880-36589-27
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 05:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 05:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 13:16	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 13:16	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-36589-27
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:07	CH	EET MID

Client Sample ID: T-6 (4')

Lab Sample ID: 880-36589-28
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 05:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 05:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 13:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 13:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:13	CH	EET MID

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

Lab Sample ID: 880-36589-29
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 05:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 14:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:20	CH	EET MID

Client Sample ID: T-7 (1.5')

Lab Sample ID: 880-36589-30
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 06:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 06:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 14:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 14:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:26	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-7 (2')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 08:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 08:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 15:06	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:33	CH	EET MID

Client Sample ID: T-7 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 08:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 08:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 15:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 21:52	CH	EET MID

Client Sample ID: T-8 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 08:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 08:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 15:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 15:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 21:59	CH	EET MID

Client Sample ID: T-8 (1.5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 09:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 09:23	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-8 (1.5')

Lab Sample ID: 880-36589-34
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

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			68672	12/07/23 16:10	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 16:10	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 22:19	CH	EET MID

Client Sample ID: T-8 (2')

Lab Sample ID: 880-36589-35
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 09:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 09:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 16:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 16:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		5			68611	12/07/23 22:25	CH	EET MID

Client Sample ID: T-8 (3')

Lab Sample ID: 880-36589-36
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 10:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 16:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 16:53	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		1			68611	12/07/23 22:32	CH	EET MID

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

Lab Sample ID: 880-36589-37
Matrix: Solid
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Prep 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	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 10:42	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 10:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 17:14	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (0-1')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 22:38	CH	EET MID

Client Sample ID: T-9 (1.5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 11:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 11:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:35	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 22:45	CH	EET MID

Client Sample ID: T-9 (2')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 11:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 17:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 22:51	CH	EET MID

Client Sample ID: T-9 (3')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	68521	12/06/23 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68562	12/08/23 12:01	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 12:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/07/23 18:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	68549	12/06/23 17:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68555	12/07/23 18:18	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	68524	12/06/23 14:01	CH	EET MID
Soluble	Analysis	300.0		20			68611	12/07/23 22:58	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (4')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	68522	12/07/23 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68564	12/08/23 00:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/08/23 10:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	68551	12/06/23 17:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68637	12/08/23 10:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	68501	12/06/23 14:00	SMC	EET MID
Soluble	Analysis	300.0		20			68589	12/07/23 18:03	CH	EET MID

Client Sample ID: T-9 (5')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	68522	12/07/23 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68564	12/08/23 00:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/08/23 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	68551	12/06/23 17:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68637	12/08/23 11:57	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	68501	12/06/23 14:00	SMC	EET MID
Soluble	Analysis	300.0		10			68589	12/07/23 18:11	CH	EET MID

Client Sample ID: T-9 (6')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-43
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			4.96 g	5 mL	68522	12/07/23 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68564	12/08/23 00:59	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 00:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			68672	12/08/23 12:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	68551	12/06/23 17:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68637	12/08/23 12:18	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	68501	12/06/23 14:00	SMC	EET MID
Soluble	Analysis	300.0		1			68589	12/08/23 09:25	CH	EET MID

Client Sample ID: T-9 (7')
Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	68522	12/07/23 13:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	68564	12/08/23 01:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			68694	12/08/23 01:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Client Sample ID: T-9 (7')

Date Collected: 12/05/23 00:00
Date Received: 12/06/23 13:18

Lab Sample ID: 880-36589-44

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			68672	12/08/23 12:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	68551	12/06/23 17:39	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	68637	12/08/23 12:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	68501	12/06/23 14:00	SMC	EET MID
Soluble	Analysis	300.0		1			68589	12/08/23 09:33	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
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

Method Summary

Client: Carmona Resources
Project/Site: Asio Flowline (07.16.23)

Job ID: 880-36589-1
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 Flowline (07.16.23)

Job ID: 880-36589-1
SDG: Eddy County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-36589-1	T-1 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-2	T-1 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-3	T-1 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-4	T-1 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-5	T-2 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-6	T-2 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-7	T-2 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-8	T-2 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-9	T-3 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-10	T-3 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-11	T-3 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-12	T-3 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-13	T-3 (4')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-14	T-4 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-15	T-4 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-16	T-4 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-17	T-4 (3)	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-18	T-5 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-19	T-5 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-20	T-5 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-21	T-5 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-22	T-5 (4')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-23	T-5 (5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-24	T-6 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-25	T-6 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-26	T-6 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-27	T-6 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-28	T-6 (4')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-29	T-7 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-30	T-7 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-31	T-7 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-32	T-7 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-33	T-8 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-34	T-8 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-35	T-8 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-36	T-8 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-37	T-9 (0-1')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-38	T-9 (1.5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-39	T-9 (2')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-40	T-9 (3')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-41	T-9 (4')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-42	T-9 (5')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-43	T-9 (6')	Solid	12/05/23 00:00	12/06/23 13:18
880-36589-44	T-9 (7')	Solid	12/05/23 00:00	12/06/23 13:18

880-36589 Chain of Custody

12/11/2023

Page 1 of 5

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/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Asio Flowline (07.16.23)	Turn Around	
Project Number	2099	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	GP		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID	IR8	
Cooler Custody Seals.	Yes No N/A	Correction Factor	0.3	
Sample Custody Seals	Yes No N/A	Temperature Reading:	-4.6	
Total Containers		Corrected Temperature.	-4.4	

Preservative Codes

None. NO — DI Water H_2O

Cool Cool — MeOH Me

HCL. HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-1 (0-1')	12/5/2023		X		G	1	X	X	X	
T-1 (1.5')	12/5/2023		X		G	1	X	X	X	
T-1 (2')	12/5/2023		X		G	1	X	X	X	
T-1 (3')	12/5/2023		X		G	1	X	X	X	
T-2 (0-1')	12/5/2023		X		G	1	X	X	X	
T-2 (1.5')	12/5/2023		X		G	1	X	X	X	
T-2 (2')	12/5/2023		X		G	1	X	X	X	
T-2 (3')	12/5/2023		X		G	1	X	X	X	
T-3 (0-1')	12/5/2023		X		G	1	X	X	X	
T-3 (1.5')	12/5/2023		X		G	1	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
	12/6/23@13:18		12/6/23 1318

12/11/2023

Work Order No: _____

Page 2 of 5

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/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name	Asio Flowline (07.16.23)	Turn Around	
Project Number	2099	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	GP		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading:		
Total Containers.		Corrected Temperature:		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-3 (2')	12/5/2023		X		G	1		X	X	X
T-3 (3')	12/5/2023		X		G	1		X	X	X
T-3 (4')	12/5/2023		X		G	1		X	X	X
T-4 (0-1')	12/5/2023		X		G	1		X	X	X
T-4 (1.5')	12/5/2023		X		G	1		X	X	X
T-4 (2')	12/5/2023		X		G	1		X	X	X
T-4 (3')	12/5/2023		X		G	1		X	X	X
T-5 (0-1')	12/5/2023		X		G	1		X	X	X
T-5 (1.5')	12/5/2023		X		G	1		X	X	X
T-5 (2')	12/5/2023		X		G	1		X	X	X

Preservative Codes

None. NO — DI Water H_2O

Cool Cool — MeOH Me

HCL. HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/6/23@13:18		

Work Order No: _____

12/11/2023

Page 3 of 5

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/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name.	Asio Flowline (07.16.23)	Turn Around	
Project Number	2099	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	GP		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature.		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-5 (3')	12/5/2023		X		G	1	X	X	X
T-5 (4')	12/5/2023		X		G	1	X	X	X
T-5 (5')	12/5/2023		X		G	1	X	X	X
T-6 (0-1')	12/5/2023		X		G	1	X	X	X
T-6 (1 5')	12/5/2023		X		G	1	X	X	X
T-6 (2')	12/5/2023		X		G	1	X	X	X
T-6 (3')	12/5/2023		X		G	1	X	X	X
T-6 (4')	12/5/2023		X		G	1	X	X	X
T-7 (0-1')	12/5/2023		X		G	1	X	X	X
T-7 (1.5')	12/5/2023		X		G	1	X	X	X

Preservative Codes

None: NO DI Water H_2O

Cool Cool MeOH Me

HCL. HC HNO_3 HN

H_2S0_4. H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/6/23 @ 13:58		

Work Order No: _____

12/11/2023

Page 4 of 5

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/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other

Project Name:	Asio Flowline (07.16.23)	Turn Around	
Project Number	2099	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name	GP		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature:		

Preservative Codes

None: NO — DI Water H_2O

Cool Cool — MeOH Me

HCL. HC — HNO_3. HN

H_2S0_4. H_2 — NaOH Na

H_3PO_4. HP

$NaHSO_4$. NABIS

$Na_2S_2O_3$. $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-7 (2')	12/5/2023		X		G	1		X	X	X	
T-7 (3')	12/5/2023		X		G	1		X	X	X	
T-8 (0-1')	12/5/2023		X		G	1		X	X	X	
T-8 (1.5')	12/5/2023		X		G	1		X	X	X	
T-8 (2')	12/5/2023		X		G	1		X	X	X	
T-8 (3')	12/5/2023		X		G	1		X	X	X	
T-9 (0-1')	12/5/2023		X		G	1		X	X	X	
T-9 (1 5')	12/5/2023		X		G	1		X	X	X	
T-9 (2')	12/5/2023		X		G	1		X	X	X	
T-9 (3')	12/5/2023		X		G	1		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
	12/6/23@13:18		

12/11/2023

Work Order No: _____

Page 5 of 5

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/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name:	Asio Flowline (07.16 23)	Turn Around	
Project Number	2099	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name.	GP		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice.	Yes No
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature:		

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
T-9 (4')	12/5/2023		X		G	1		X	X	X
T-9 (5')	12/5/2023		X		G	1		X	X	X
T-9 (6')	12/5/2023		X		G	1		X	X	X
T-9 (7')	12/5/2023		X		G	1		X	X	X

Preservative Codes

None. NO — DI Water H_2O
Cool Cool — MeOH Me
HCL. HC — HNO_3. HN
H_2S0_4. H_2 — NaOH Na
H_3PO_4. HP
$NaHSO_4$. NABIS
$Na_2S_2O_3$. $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/6/23@13:18		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-36589-1
SDG Number: Eddy County New Mexico

Login Number: 36589
List Number: 1
Creator: Kramer, Jessica

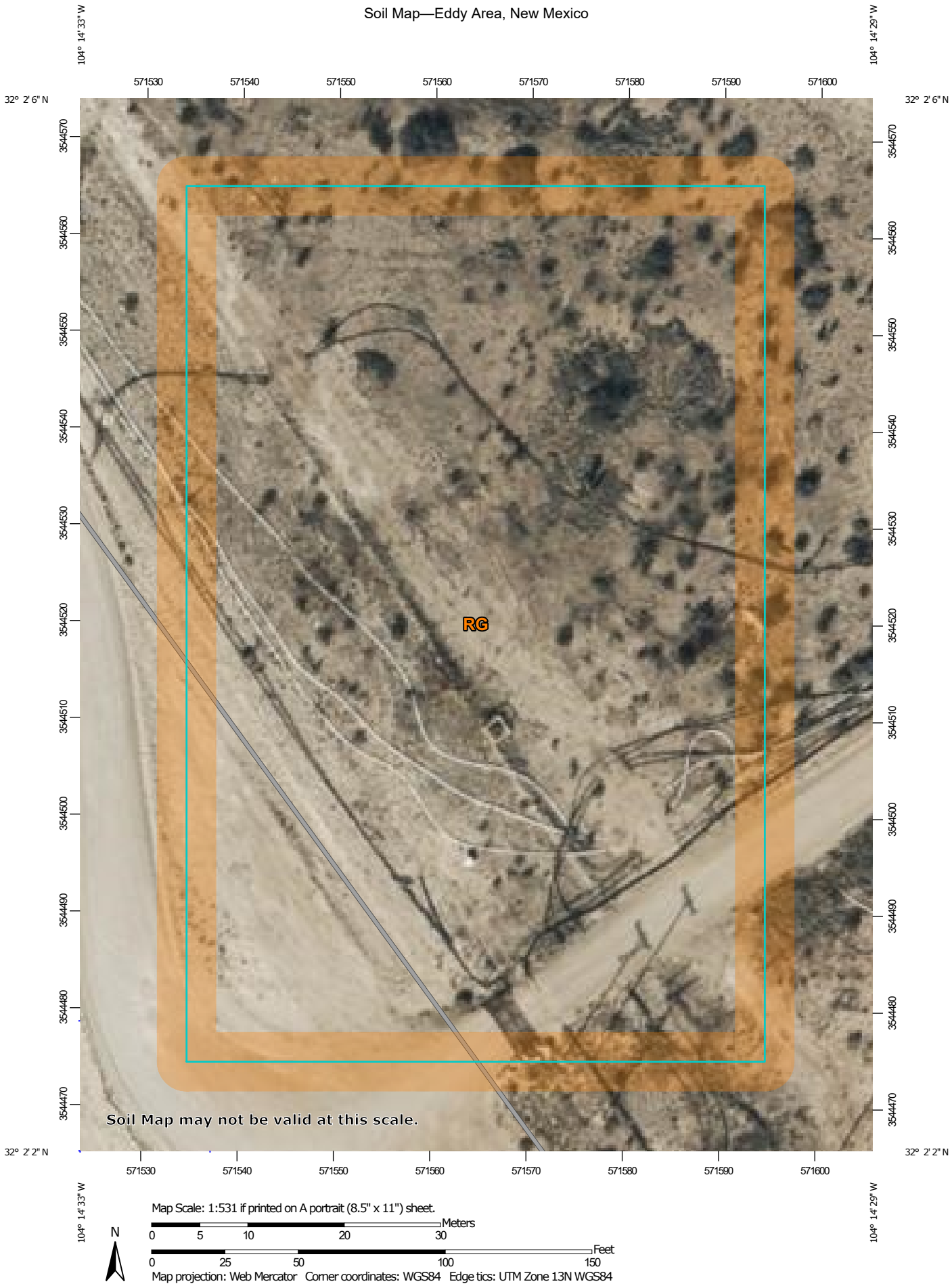
List Source: Eurofins Midland

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

APPENDIX F

CARMONA RESOURCES

Soil Map—Eddy Area, New Mexico



Map Scale: 1:531 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 25 50 100 150

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
RG	Reeves-Gypsum land complex, 0 to 3 percent slopes	1.3	100.0%
Totals for Area of Interest		**1.3**	**100.0%**

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)

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

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:

Species	lb/acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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

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

QUESTIONS

Action 315406

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2320851728**
Incident Name	**NAPP2320851728 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	07/16/2023
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: 14 BBL | Recovered: 0 BBL | Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
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: 02/19/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	8015
GRO+DRO (EPA SW-846 Method 8015M)	8015
BTEX (EPA SW-846 Method 8021B or 8260B)	8021
Benzene (EPA SW-846 Method 8021B or 8260B)	8021
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/18/2024
On what date will (or did) the final sampling or liner inspection occur	02/18/2024
On what date will (or was) the remediation complete(d)	02/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	11515
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	11515
What is the estimated volume (in cubic yards) that will be remediated	1765
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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District II
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	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
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 02/19/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	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 (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 315406
	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 315406

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	229137
	Action Number: 315406
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. Due to the sensitive nature of the site (high karst), the variance request for 500 ft2 confirmation samples is denied. Limited excavation around oil and gas equipment is denied. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All off-pad areas must meet reclamation standards set forth in the OCD Spill Rule.	3/11/2024