

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Airbus 12 Federal 002H (11.11.22)
Eddy County, New Mexico
Incident ID: NAPP2233236609
Unit D Sec 12 T19S R31E
32.681391°, -103.830465°

Crude Oil Release
Point of Release: Fluids left in flare during testing
Release Date: 11/11/2022
Volume Released: 0.334 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road,
Loving, New Mexico 88256

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

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January 18, 2023

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

Re: Closure Report
Airbus 12 Federal 002H (11.11.22)
Concho Operating, LLC
Site Location: Unit D, S12, T19S, R31E
(Lat 32.681391°, Long -103.830465°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document the Airbus 12 Federal 002H (11.11.22) site activities. The site is located at 32.681391° -103.830465° within Unit D, S12, T19S, R31E, 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 November 11, 2022, due to fluids being left in a flare sprayed out during testing, over spraying with a mist. It released zero point three hundred thirty-four thousandths (0.334) of a barrel of crude oil, and zero (0) barrels of crude oil were recovered. The impacted area occurred in the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.72 miles Northwest of the site in S35, T18S, R31E and was drilled in 1994. The well has a reported depth to groundwater of 260.67 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

On November 30, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, a total of three (3) sample points and four (4) horizontal samples were advanced to depths ranging from the surface to 1' bgs inside and surrounding

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Midland, Texas 79701
432.813.1992



the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, TX. 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 and horizontal delineation was achieved. Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on December 22, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1 through S-2 was excavated to a depth of 1' below the surface to remove all the impacted soils. A total of fourteen (14) floor confirmation samples were collected (CS-1 through CS-14), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 100 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

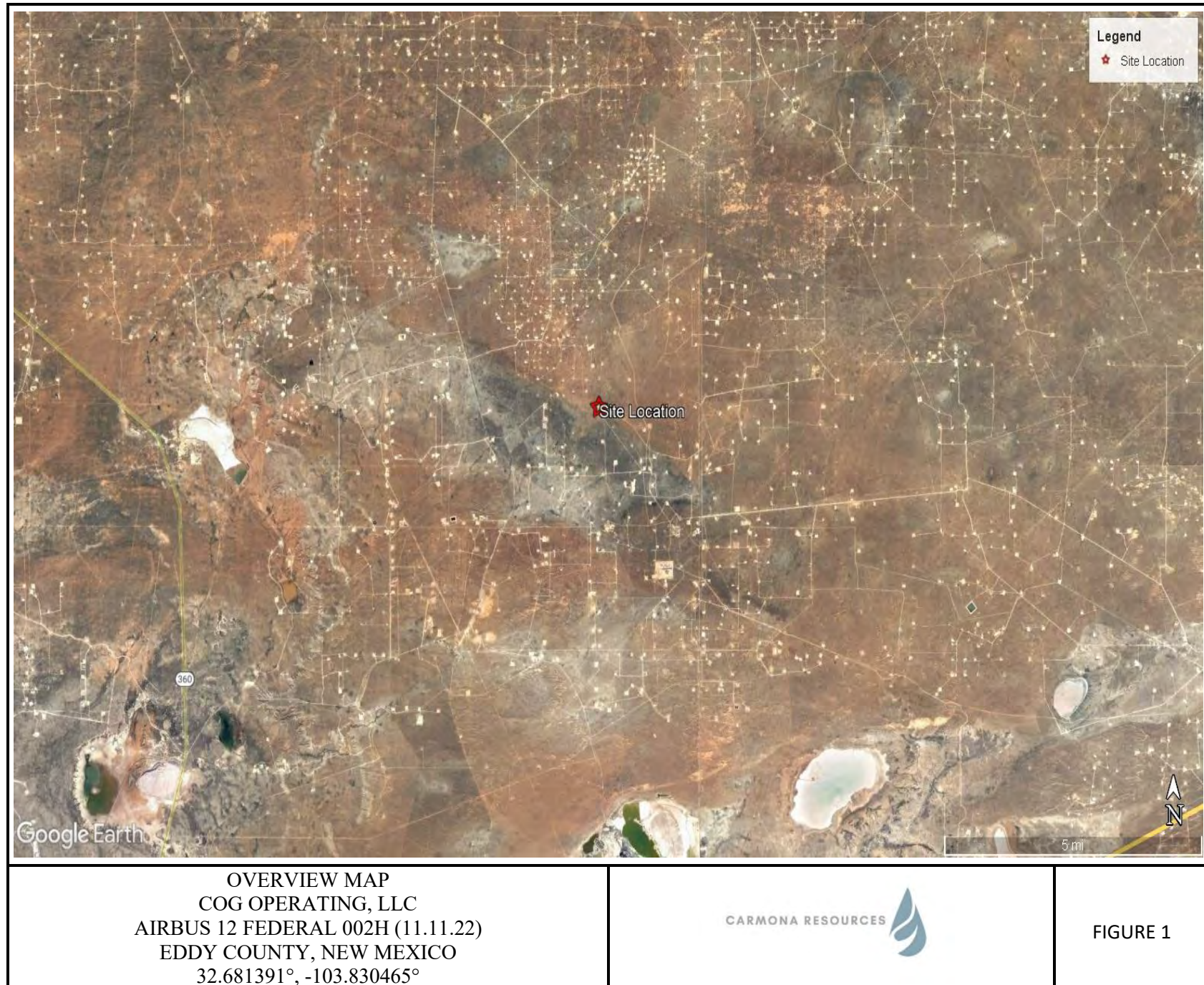
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

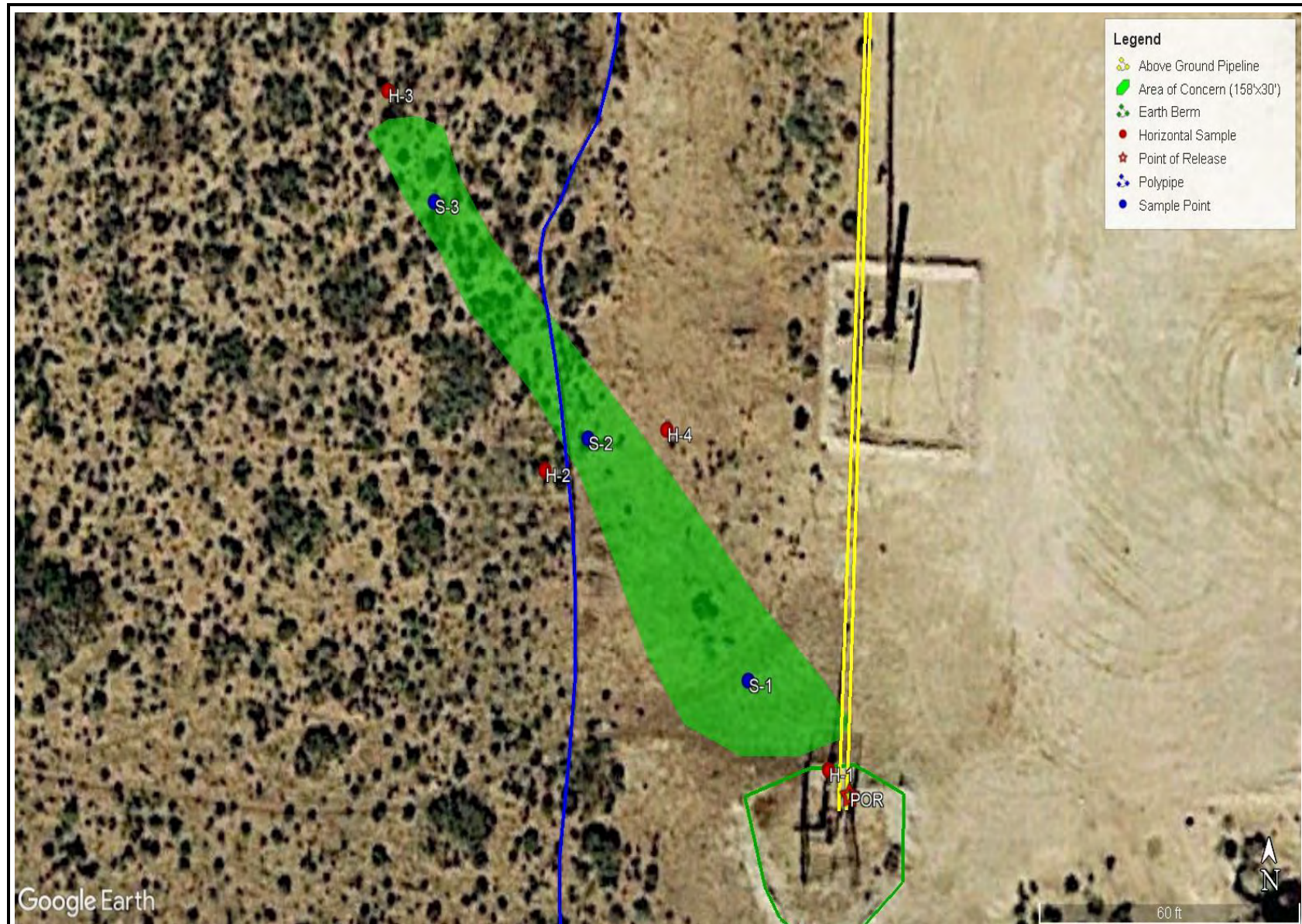
FIGURES

CARMONA RESOURCES





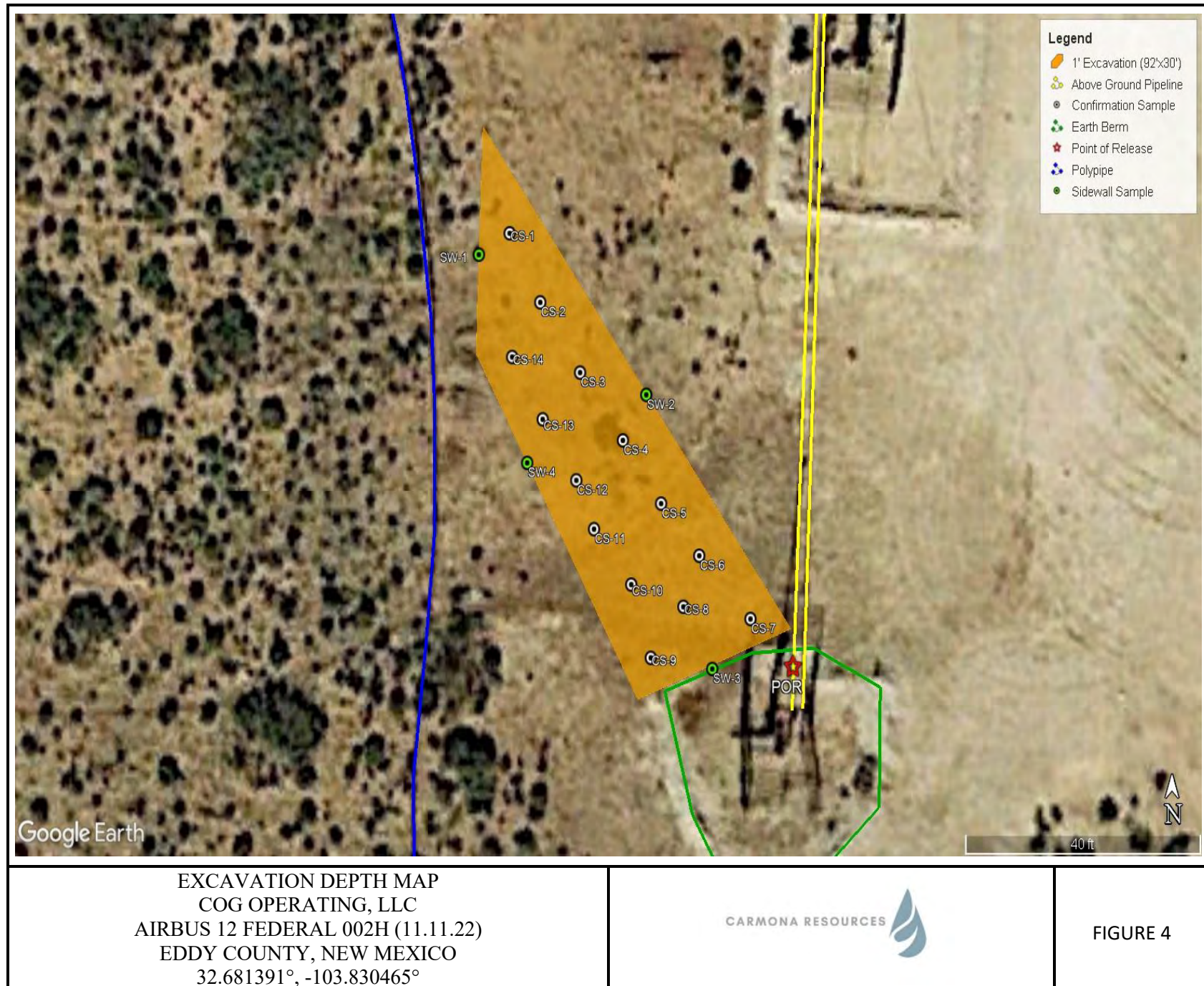




SAMPLE LOCATION MAP
COG OPERATING, LLC
AIRBUS 12 FEDERAL 002H (11.11.22)
EDDY COUNTY, NEW MEXICO
32.681391°, -103.830465°



FIGURE 3



APPENDIX A

CARMONA RESOURCES



Table 1
COG
Airbus 12 Federal 002H (11.11.22)
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	11/30/2022	0-0.25	<50.0	105	67.0	172	<0.00198	0.00702	0.0163	0.0356	0.0589	15.5
	"	0.5	<50.0	144	86.6	230.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.2
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.1
S-2	11/30/2022	0-0.25	<50.0	1,080	898	1,980	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.7
	"	0.5	<50.0	811	533	1,340	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.0
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	12.3
S-3	11/30/2022	0-0.25	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	12.7
	"	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	13.7
	"	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	13.0
H-1	11/30/2022	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	96.9
H-2	11/30/2022	0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.2
H-3	11/30/2022	0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.2
H-4	11/30/2022	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	16.2
Regulatory Criteria^A							100 mg/kg	10 mg/kg	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft - feet

(S) - Sample Point

(H) - Horizontal

 Removed

Table 2
COG
Airbus 12 Federal 002H (11.11.22)
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						
CS-1	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<4.98
CS-2	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.97
CS-3	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.02
CS-4	12/28/2022	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.01
CS-5	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.98
CS-6	12/28/2022	1.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	14.1
CS-7	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.96
CS-8	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
CS-9	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.04
CS-10	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.95
CS-11	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<5.02
CS-12	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	95.9
CS-13	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
CS-14	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.00
SW-1	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<4.97
SW-2	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.96
SW-3	12/28/2022	1.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.02
SW-4	12/28/2022	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
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

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Airbus 12 Federal 002H (11.11.22)

County: Eddy County, New Mexico

Description:

View West, area of confirmation samples (1-14).



Photograph No. 2

Facility: Airbus 12 Federal 002H (11.11.22)

County: Eddy County, New Mexico

Description:

View Southeast, area of confirmation samples (5-11).



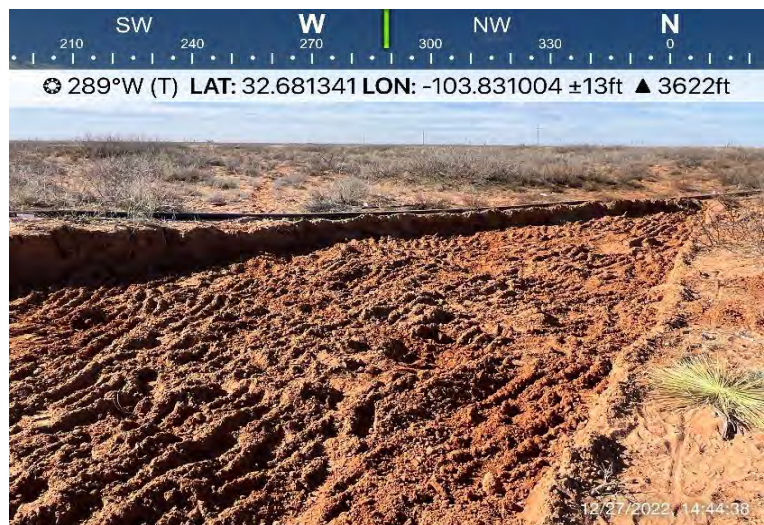
Photograph No. 3

Facility: Airbus 12 Federal 002H (11.11.22)

County: Eddy County, New Mexico

Description:

View West, area of confirmation samples (1-4 and 12-14).



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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/24/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: Jacques Harimon Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 01/24/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Conner Moehring
Sent: Thursday, December 22, 2022 2:41 PM
To: OCD.Enviro@emnrd.nm.gov <OCD.Enviro@emnrd.nm.gov>
Cc: Jacqui.Harris@conocophillips.com; Mike Carmona
Subject:

Good Morning,

On behalf of COG, Carmona Resources will collect confirmation samples for the at-risk remediation at the below-referenced site on 12/28/22 around 8:00 a.m. Mountain Time. Please let me know if you have any questions.

COG – Airbus 12 Federal 002H
Eddy County, New Mexico
32.6813, -103.8311
Sec 12 T19S R31E Unit D
API: 30-015-39503

Conner R. Moehring
310 West Wall Street, Suite 415
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.72 Miles
- 2.77 Miles
- 2.79 Miles
- 2.98 Miles
- 3.12 Miles
- Airbus 12 Federal 002H (11.11.22)
- NMSEO Water Well
- USGS Water Well



Low Karst

COG Operating

Legend

-  Airbus 12 Federal 002H (11.11.22)
-  Low

 Airbus 12 Federal 002H (11.11.22)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00849 POD1	CP	LE		3	1	3	35	18S	31E	608012	3618757*	2703	300		
CP 01554 POD1	CP	LE		2	2	1	22	19S	31E	607166	3613354	4018	400		
CP 01554 POD2	CP	LE		2	2	1	22	19S	31E	607165	3613322	4043	400		
CP 00563 POD1	CP	LE		1	1	2	19	19S	32E	612118	3613376*	4067	300		
CP 00829 POD1	CP	LE			2	4	16	19S	31E	606165	3614009*	4269	120		
CP 00640 POD1	CP	LE			2	2	19	19S	32E	612621	3613280*	4467	260	102	158
CP 01656 POD2	CP	LE		3	4	3	17	19S	32E	613364	3613648	4768	70		
CP 01656 POD1	CP	LE		3	4	3	17	19S	32E	613368	3613646	4772	70		
CP 01656 POD3	CP	LE		3	4	3	17	19S	32E	613374	3613633	4785	30		
CP 00639 POD1	CP	LE			3	1	20	19S	32E	613029	3612880*	5038	350	345	5
CP 00642 POD1	CP	ED			2	2	25	19S	31E	611025	3611657*	5109	250		

Average Depth to Water: **223 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 11

UTMNA83 Radius Search (in meters):

Easting (X): 609587.84

Northing (Y): 3616560.39

Radius: 6000

*UTM location was derived from PLSS - see Help

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11/22/22 6:26 PM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



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Data Category: Groundwater Geographic Area: New Mexico GO

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324159103503801

Minimum number of levels = 1

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USGS 324159103503801 18S.31E.35.31324

Eddy County, New Mexico

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1971-04-05			D 62610		3367.36	NGVD29	1		Z	
1971-04-05			D 62611		3368.92	NAVD88	1		Z	
1971-04-05			D 72019	261.08			1		Z	
1976-05-27			D 62610		3367.91	NGVD29	1		Z	
1976-05-27			D 62611		3369.47	NAVD88	1		Z	
1976-05-27			D 72019	260.53			1		Z	
1983-04-11			D 62610		3367.94	NGVD29	1		Z	
1983-04-11			D 62611		3369.50	NAVD88	1		Z	
1983-04-11			D 72019	260.50			1		Z	
1987-01-26			D 62610		3367.44	NGVD29	1		S	
1987-01-26			D 62611		3369.00	NAVD88	1		S	
1987-01-26			D 72019	261.00			1		S	
1994-03-17			D 62610		3367.77	NGVD29	1		S	
1994-03-17			D 62611		3369.33	NAVD88	1		S	
1994-03-17			D 72019	260.67			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.

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Page Last Modified: 2022-11-22 20:31:22 EST

0.29 0.25 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	CP 00640 POD1	2	2	19	19S	32E		612621	3613280*
Driller License: 882		Driller Company: LARRY'S DRILLING & PUMP CO.							
Driller Name: FELKINS, LARRY									
Drill Start Date: 02/08/1982		Drill Finish Date: 02/09/1982				Plug Date:			
Log File Date: 03/04/1982		PCW Rev Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well: 260 feet				Depth Water: 102 feet			

*UTM location was derived from PLSS - see Help

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Data Category:
Groundwater

Geographic Area:
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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324046103464101

Minimum number of levels = 1
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USGS 324046103464101 19S.32E.08.2

Lea County, New Mexico
Latitude 32°40'42", Longitude 103°47'00" NAD27
Land-surface elevation 3,640 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national 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 measu
1958-12-10			D 62610		3271.70	NGVD29	1	O	USGS	
1958-12-10			D 62611		3273.26	NAVD88	1	O	USGS	
1958-12-10			D 72019	368.30			1	O	USGS	

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

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	O	Observed.
Measuring agency	USGS	U.S. Geological Survey
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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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



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0.3 0.26 nadww01



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Data Category:
Groundwater

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324040103464801

Minimum number of levels = 1
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USGS 324040103464801 19S.32E.08.22411

Lea County, New Mexico
Latitude 32°40'40", Longitude 103°46'48" NAD27
Land-surface elevation 3,640 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1958-12-09			D	62610	3273.14	NGVD29	1	Z		
1958-12-09			D	62611	3274.70	NAVD88	1	Z		
1958-12-09			D	72019	365.30		1	Z		

Explanation

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

Section	Code	Description
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-11-22 20:34:00 EST
0.3 0.27 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)					(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
	CP 00639 POD1	3	1	20	19S	32E		613029	3612880* 
Driller License:	882	Driller Company:				LARRY'S DRILLING & PUMP CO.			
Driller Name:	FELKINS, LARRY								
Drill Start Date:	02/09/1982	Drill Finish Date:				02/10/1982		Plug Date:	
Log File Date:	03/23/1982	PCW Rcv Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	
Casing Size:		Depth Well:				350 feet		Depth Water:	345 feet

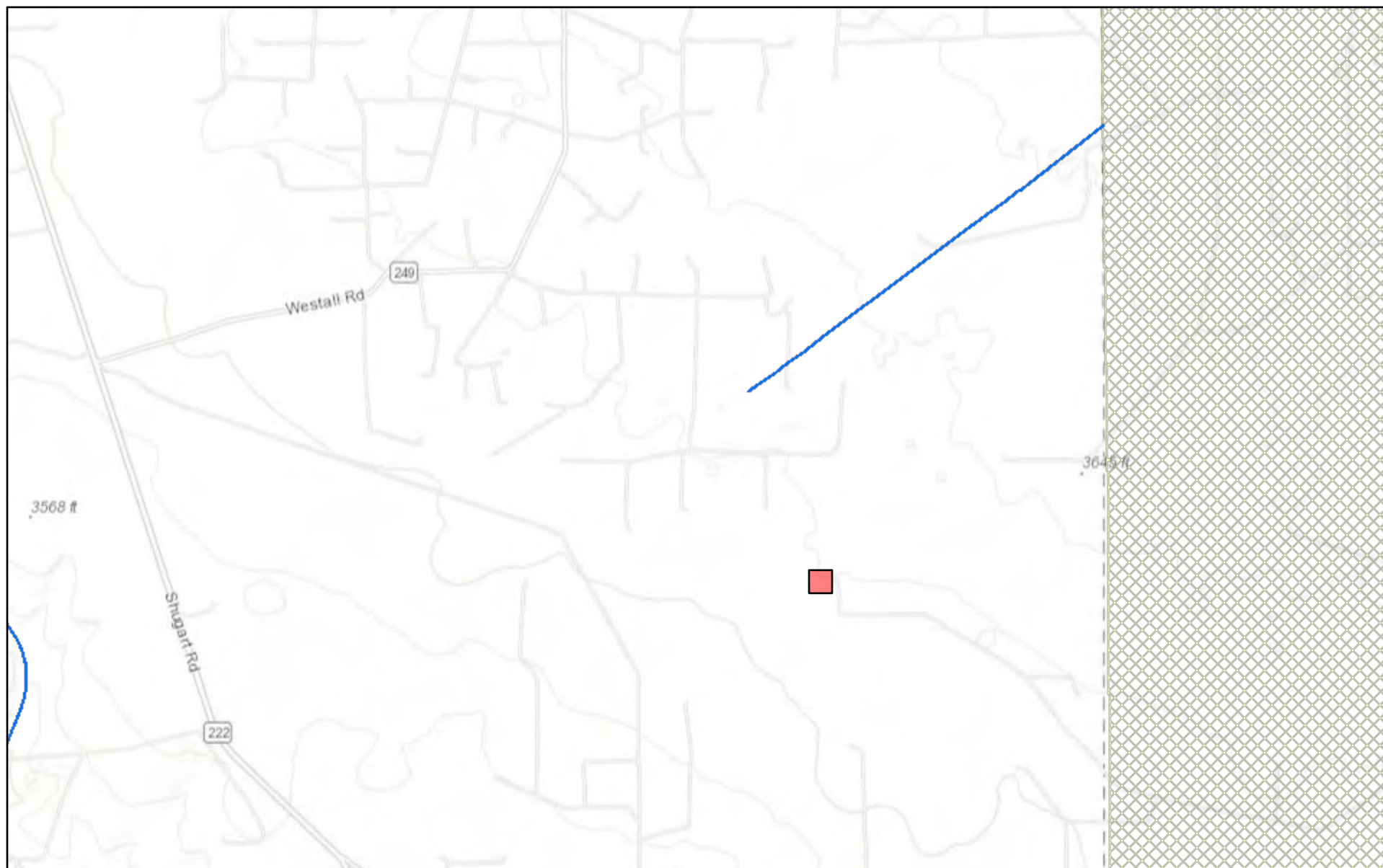
*UTM location was derived from PLSS - see Help

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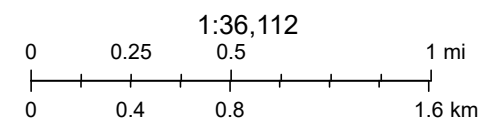
11/22/22 6:28 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



November 22, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 12/5/2022 1:48:44 PM

JOB DESCRIPTION

Airbus 12 Federal 002H (11.11.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-22126-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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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12/5/2022 1:48:44 PM

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

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Laboratory Job ID: 880-22126-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Job ID: 880-22126-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22126-1****Receipt**

The samples were received on 12/1/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-1 (0-3") (880-22126-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40768 and analytical batch 880-40843 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40816 and analytical batch 880-40744 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22126-1

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/01/22 10:54	12/02/22 11:30	1
Toluene	0.00702	F1	0.00198		mg/Kg		12/01/22 10:54	12/02/22 11:30	1
Ethylbenzene	0.0163	F1	0.00198		mg/Kg		12/01/22 10:54	12/02/22 11:30	1
m-Xylene & p-Xylene	0.0211	F1	0.00396		mg/Kg		12/01/22 10:54	12/02/22 11:30	1
o-Xylene	0.0145	F1	0.00198		mg/Kg		12/01/22 10:54	12/02/22 11:30	1
Xylenes, Total	0.0356	F1	0.00396		mg/Kg		12/01/22 10:54	12/02/22 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	175	S1+	70 - 130	12/01/22 10:54	12/02/22 11:30	1
1,4-Difluorobenzene (Surr)	122		70 - 130	12/01/22 10:54	12/02/22 11:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0589		0.00396		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	172		50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 23:29	1
Diesel Range Organics (Over C10-C28)	105		50.0		mg/Kg		12/01/22 14:54	12/01/22 23:29	1
Oil Range Organics (Over C28-C36)	67.0		50.0		mg/Kg		12/01/22 14:54	12/01/22 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/01/22 14:54	12/01/22 23:29	1
o-Terphenyl	106		70 - 130	12/01/22 14:54	12/01/22 23:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		5.03		mg/Kg			12/02/22 12:26	1

Client Sample ID: S-1 (6')

Lab Sample ID: 880-22126-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 11:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 11:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 11:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 11:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 11:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	12/01/22 10:54	12/02/22 11:51	1
1,4-Difluorobenzene (Surr)	115		70 - 130	12/01/22 10:54	12/02/22 11:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (6')

Lab Sample ID: 880-22126-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	231		50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 23:50	1
Diesel Range Organics (Over C10-C28)	144		50.0		mg/Kg		12/01/22 14:54	12/01/22 23:50	1
Oil Range Organics (Over C28-C36)	86.6		50.0		mg/Kg		12/01/22 14:54	12/01/22 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/01/22 14:54	12/01/22 23:50	1
o-Terphenyl	111		70 - 130				12/01/22 14:54	12/01/22 23:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.2		4.99		mg/Kg			12/02/22 12:33	1

Client Sample ID: S-1 (12')

Lab Sample ID: 880-22126-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 10:54	12/02/22 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				12/01/22 10:54	12/02/22 12:11	1
1,4-Difluorobenzene (Surr)	101		70 - 130				12/01/22 10:54	12/02/22 12:11	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			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 00:10	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-1 (12')

Lab Sample ID: 880-22126-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 00:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/01/22 14:54	12/02/22 00:10	1
o-Terphenyl	114		70 - 130				12/01/22 14:54	12/02/22 00:10	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.97		mg/Kg			12/02/22 12:53	1

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22126-4

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 12:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 12:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				12/01/22 10:54	12/02/22 12:32	1
1,4-Difluorobenzene (Surr)	128		70 - 130				12/01/22 10:54	12/02/22 12:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1980		50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/02/22 00:29	1
Diesel Range Organics (Over C10-C28)	1080		50.0		mg/Kg		12/01/22 14:54	12/02/22 00:29	1
Oil Range Organics (Over C28-C36)	898		50.0		mg/Kg		12/01/22 14:54	12/02/22 00:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				12/01/22 14:54	12/02/22 00:29	1
o-Terphenyl	104		70 - 130				12/01/22 14:54	12/02/22 00:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.7		4.97		mg/Kg			12/02/22 12:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (6')

Lab Sample ID: 880-22126-5

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 12:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 12:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 12:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 12:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/01/22 10:54	12/02/22 12:52	1
1,4-Difluorobenzene (Surr)	116		70 - 130	12/01/22 10:54	12/02/22 12:52	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			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1340		50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/02/22 00:49	1
Diesel Range Organics (Over C10-C28)	811		50.0		mg/Kg		12/01/22 14:54	12/02/22 00:49	1
Oil Range Organics (Over C28-C36)	533		50.0		mg/Kg		12/01/22 14:54	12/02/22 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	12/01/22 14:54	12/02/22 00:49	1
o-Terphenyl	101		70 - 130	12/01/22 14:54	12/02/22 00:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		5.02		mg/Kg			12/02/22 13:06	1

Client Sample ID: S-2 (12')

Lab Sample ID: 880-22126-6

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/01/22 10:54	12/02/22 13:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/01/22 10:54	12/02/22 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	12/01/22 10:54	12/02/22 13:13	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/01/22 10:54	12/02/22 13:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (12')

Lab Sample ID: 880-22126-6

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				12/01/22 14:54	12/02/22 01:09	1
o-Terphenyl	107		70 - 130				12/01/22 14:54	12/02/22 01:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		4.96		mg/Kg			12/02/22 13:13	1

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22126-7

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
o-Xylene	0.00212		0.00200		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 10:54	12/02/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/01/22 10:54	12/02/22 13:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130				12/01/22 10:54	12/02/22 13:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22126-7

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 01:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				12/01/22 14:54	12/02/22 01:50	1
o-Terphenyl	107		70 - 130				12/01/22 14:54	12/02/22 01:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.7		5.04		mg/Kg			12/02/22 13:19	1

Client Sample ID: S-3 (6')

Lab Sample ID: 880-22126-8

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 13:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 13:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 13:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 13:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 13:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				12/01/22 10:54	12/02/22 13:54	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/01/22 10:54	12/02/22 13:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/02/22 02:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/02/22 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/02/22 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/01/22 14:54	12/02/22 02:09	1
o-Terphenyl	104		70 - 130				12/01/22 14:54	12/02/22 02:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		5.05		mg/Kg			12/02/22 13:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (12')

Lab Sample ID: 880-22126-9

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 14:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 14:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 14:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 10:54	12/02/22 14:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:54	12/02/22 14:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 10:54	12/02/22 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/01/22 10:54	12/02/22 14:15	1
1,4-Difluorobenzene (Surr)	100		70 - 130	12/01/22 10:54	12/02/22 14:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 02:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 02:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/02/22 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	12/01/22 14:54	12/02/22 02:29	1
o-Terphenyl	106		70 - 130	12/01/22 14:54	12/02/22 02:29	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.0		4.98		mg/Kg			12/02/22 13:33	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1						
		(70-130)	(70-130)						
880-22126-1	S-1 (0-3")	175 S1+	122						
880-22126-1 MS	S-1 (0-3")	97	120						
880-22126-1 MSD	S-1 (0-3")	100	113						
880-22126-2	S-1 (6')	114	115						
880-22126-3	S-1 (12')	113	101						
880-22126-4	S-2 (0-3")	123	128						
880-22126-5	S-2 (6')	110	116						
880-22126-6	S-2 (12')	110	106						
880-22126-7	S-3 (0-3")	108	103						
880-22126-8	S-3 (6')	99	106						
880-22126-9	S-3 (12')	93	100						
LCS 880-40768/1-A	Lab Control Sample	103	110						
LCSD 880-40768/2-A	Lab Control Sample Dup	98	119						
MB 880-40768/5-A	Method Blank	81	104						
Surrogate Legend									
BFB = 4-Bromofluorobenzene (Surr)									
DFBZ = 1,4-Difluorobenzene (Surr)									

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	1CO1	OTPH1						
		(70-130)	(70-130)						
880-22124-A-1-C MS	Matrix Spike	99	87						
880-22124-A-1-D MSD	Matrix Spike Duplicate	99	86						
880-22126-1	S-1 (0-3")	107	106						
880-22126-2	S-1 (6')	113	111						
880-22126-3	S-1 (12')	114	114						
880-22126-4	S-2 (0-3")	113	104						
880-22126-5	S-2 (6')	108	101						
880-22126-6	S-2 (12')	108	107						
880-22126-7	S-3 (0-3")	106	107						
880-22126-8	S-3 (6')	103	104						
880-22126-9	S-3 (12')	107	106						
LCS 880-40816/2-A	Lab Control Sample	103	98						
LCSD 880-40816/3-A	Lab Control Sample Dup	92	89						
MB 880-40816/1-A	Method Blank	182 S1+	187 S1+						
Surrogate Legend									
1CO = 1-Chlorooctane									
OTPH = o-Terphenyl									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40768/5-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/22 10:54	12/02/22 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	12/01/22 10:54	12/02/22 11:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/01/22 10:54	12/02/22 11:08	1

Lab Sample ID: LCS 880-40768/1-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.09240		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09349		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1950		mg/Kg		98	70 - 130
o-Xylene	0.100	0.09539		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-40768/2-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1143		mg/Kg		114	70 - 130	8	35
Toluene	0.100	0.09639		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.09160		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.09145		mg/Kg		91	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-22126-1 MS

Matrix: Solid

Analysis Batch: 40843

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

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.08841		mg/Kg		89	70 - 130
Toluene	0.00702	F1	0.0996	0.07289	F1	mg/Kg		66	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22126-1 MS

Matrix: Solid

Analysis Batch: 40843

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

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0163	F1	0.0996	0.06379	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	0.0211	F1	0.199	0.1280	F1	mg/Kg		54	70 - 130
o-Xylene	0.0145	F1	0.0996	0.06514	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 880-22126-1 MSD

Matrix: Solid

Analysis Batch: 40843

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

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08745		mg/Kg		87	70 - 130	1	35
Toluene	0.00702	F1	0.100	0.07537	F1	mg/Kg		68	70 - 130	3	35
Ethylbenzene	0.0163	F1	0.100	0.05868	F1	mg/Kg		42	70 - 130	8	35
m-Xylene & p-Xylene	0.0211	F1	0.200	0.1165	F1	mg/Kg		48	70 - 130	9	35
o-Xylene	0.0145	F1	0.100	0.05891	F1	mg/Kg		44	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

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

Lab Sample ID: MB 880-40816/1-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40816

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		12/01/22 14:54	12/01/22 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 20:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 20:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	182	S1+	70 - 130	12/01/22 14:54	12/01/22 20:27	1
o-Terphenyl	187	S1+	70 - 130	12/01/22 14:54	12/01/22 20:27	1

Lab Sample ID: LCS 880-40816/2-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1149		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	948.2		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-40816/2-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40816

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-40816/3-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	983.0		mg/Kg		98	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-22124-A-1-C MS

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1188		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	831.4		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: 880-22124-A-1-D MSD

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	986.4		mg/Kg		96	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	836.7		mg/Kg		84	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	86		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40832/1-A

Matrix: Solid

Analysis Batch: 40917

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/22 10:13	1

Lab Sample ID: LCS 880-40832/2-A

Matrix: Solid

Analysis Batch: 40917

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-40832/3-A

Matrix: Solid

Analysis Batch: 40917

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	248.2		mg/Kg		99	90 - 110	3	20

Lab Sample ID: 880-22124-A-4-E MS

Matrix: Solid

Analysis Batch: 40917

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	16.2		249	268.7		mg/Kg		101	90 - 110

Lab Sample ID: 880-22124-A-4-F MSD

Matrix: Solid

Analysis Batch: 40917

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	16.2		249	267.5		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 40768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	5035	
880-22126-2	S-1 (6')	Total/NA	Solid	5035	
880-22126-3	S-1 (12')	Total/NA	Solid	5035	
880-22126-4	S-2 (0-3")	Total/NA	Solid	5035	
880-22126-5	S-2 (6')	Total/NA	Solid	5035	
880-22126-6	S-2 (12')	Total/NA	Solid	5035	
880-22126-7	S-3 (0-3")	Total/NA	Solid	5035	
880-22126-8	S-3 (6')	Total/NA	Solid	5035	
880-22126-9	S-3 (12')	Total/NA	Solid	5035	
MB 880-40768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22126-1 MS	S-1 (0-3")	Total/NA	Solid	5035	
880-22126-1 MSD	S-1 (0-3")	Total/NA	Solid	5035	

Analysis Batch: 40843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	8021B	40768
880-22126-2	S-1 (6')	Total/NA	Solid	8021B	40768
880-22126-3	S-1 (12')	Total/NA	Solid	8021B	40768
880-22126-4	S-2 (0-3")	Total/NA	Solid	8021B	40768
880-22126-5	S-2 (6')	Total/NA	Solid	8021B	40768
880-22126-6	S-2 (12')	Total/NA	Solid	8021B	40768
880-22126-7	S-3 (0-3")	Total/NA	Solid	8021B	40768
880-22126-8	S-3 (6')	Total/NA	Solid	8021B	40768
880-22126-9	S-3 (12')	Total/NA	Solid	8021B	40768
MB 880-40768/5-A	Method Blank	Total/NA	Solid	8021B	40768
LCS 880-40768/1-A	Lab Control Sample	Total/NA	Solid	8021B	40768
LCSD 880-40768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40768
880-22126-1 MS	S-1 (0-3")	Total/NA	Solid	8021B	40768
880-22126-1 MSD	S-1 (0-3")	Total/NA	Solid	8021B	40768

Analysis Batch: 40915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-22126-2	S-1 (6')	Total/NA	Solid	Total BTEX	
880-22126-3	S-1 (12')	Total/NA	Solid	Total BTEX	
880-22126-4	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-22126-5	S-2 (6')	Total/NA	Solid	Total BTEX	
880-22126-6	S-2 (12')	Total/NA	Solid	Total BTEX	
880-22126-7	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-22126-8	S-3 (6')	Total/NA	Solid	Total BTEX	
880-22126-9	S-3 (12')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 40744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	8015B NM	40816
880-22126-2	S-1 (6')	Total/NA	Solid	8015B NM	40816
880-22126-3	S-1 (12')	Total/NA	Solid	8015B NM	40816

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QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 40744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-4	S-2 (0-3")	Total/NA	Solid	8015B NM	40816
880-22126-5	S-2 (6')	Total/NA	Solid	8015B NM	40816
880-22126-6	S-2 (12')	Total/NA	Solid	8015B NM	40816
880-22126-7	S-3 (0-3")	Total/NA	Solid	8015B NM	40816
880-22126-8	S-3 (6')	Total/NA	Solid	8015B NM	40816
880-22126-9	S-3 (12')	Total/NA	Solid	8015B NM	40816
MB 880-40816/1-A	Method Blank	Total/NA	Solid	8015B NM	40816
LCS 880-40816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40816
LCSD 880-40816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40816
880-22124-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	40816
880-22124-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	40816

Prep Batch: 40816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-22126-2	S-1 (6')	Total/NA	Solid	8015NM Prep	
880-22126-3	S-1 (12')	Total/NA	Solid	8015NM Prep	
880-22126-4	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-22126-5	S-2 (6')	Total/NA	Solid	8015NM Prep	
880-22126-6	S-2 (12')	Total/NA	Solid	8015NM Prep	
880-22126-7	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-22126-8	S-3 (6')	Total/NA	Solid	8015NM Prep	
880-22126-9	S-3 (12')	Total/NA	Solid	8015NM Prep	
MB 880-40816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22124-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22124-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-22126-2	S-1 (6')	Total/NA	Solid	8015 NM	
880-22126-3	S-1 (12')	Total/NA	Solid	8015 NM	
880-22126-4	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-22126-5	S-2 (6')	Total/NA	Solid	8015 NM	
880-22126-6	S-2 (12')	Total/NA	Solid	8015 NM	
880-22126-7	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-22126-8	S-3 (6')	Total/NA	Solid	8015 NM	
880-22126-9	S-3 (12')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-22126-2	S-1 (6')	Soluble	Solid	DI Leach	
880-22126-3	S-1 (12')	Soluble	Solid	DI Leach	
880-22126-4	S-2 (0-3")	Soluble	Solid	DI Leach	
880-22126-5	S-2 (6')	Soluble	Solid	DI Leach	
880-22126-6	S-2 (12')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 40832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-7	S-3 (0-3")	Soluble	Solid	DI Leach	
880-22126-8	S-3 (6')	Soluble	Solid	DI Leach	
880-22126-9	S-3 (12')	Soluble	Solid	DI Leach	
MB 880-40832/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40832/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40832/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22124-A-4-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-22124-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 40917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22126-1	S-1 (0-3")	Soluble	Solid	300.0	40832
880-22126-2	S-1 (6')	Soluble	Solid	300.0	40832
880-22126-3	S-1 (12')	Soluble	Solid	300.0	40832
880-22126-4	S-2 (0-3")	Soluble	Solid	300.0	40832
880-22126-5	S-2 (6')	Soluble	Solid	300.0	40832
880-22126-6	S-2 (12')	Soluble	Solid	300.0	40832
880-22126-7	S-3 (0-3")	Soluble	Solid	300.0	40832
880-22126-8	S-3 (6')	Soluble	Solid	300.0	40832
880-22126-9	S-3 (12')	Soluble	Solid	300.0	40832
MB 880-40832/1-A	Method Blank	Soluble	Solid	300.0	40832
LCS 880-40832/2-A	Lab Control Sample	Soluble	Solid	300.0	40832
LCSD 880-40832/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40832
880-22124-A-4-E MS	Matrix Spike	Soluble	Solid	300.0	40832
880-22124-A-4-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	40832

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22126-1

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 11:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 23:29	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 12:26	CH	EET MID

Client Sample ID: S-1 (6')

Lab Sample ID: 880-22126-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 11:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 23:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 12:33	CH	EET MID

Client Sample ID: S-1 (12')

Lab Sample ID: 880-22126-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 00:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 12:53	CH	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22126-4

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 12:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-22126-4

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 00:29	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 12:59	CH	EET MID

Client Sample ID: S-2 (6')

Lab Sample ID: 880-22126-5

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 00:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 13:06	CH	EET MID

Client Sample ID: S-2 (12')

Lab Sample ID: 880-22126-6

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 13:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 01:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 13:13	CH	EET MID

Client Sample ID: S-3 (0-3")

Lab Sample ID: 880-22126-7

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 13:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 01:50	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Client Sample ID: S-3 (0-3")

Date Collected: 11/30/22 00:00

Date Received: 12/01/22 10:00

Lab Sample ID: 880-22126-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 13:19	CH	EET MID

Client Sample ID: S-3 (6')

Date Collected: 11/30/22 00:00

Date Received: 12/01/22 10:00

Lab Sample ID: 880-22126-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 02:09	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 13:26	CH	EET MID

Client Sample ID: S-3 (12')

Date Collected: 11/30/22 00:00

Date Received: 12/01/22 10:00

Lab Sample ID: 880-22126-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 14:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40915	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40852	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/02/22 02:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 13:33	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: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22126-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22126-1	S-1 (0-3")	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-2	S-1 (6')	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-3	S-1 (12')	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-4	S-2 (0-3")	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-5	S-2 (6')	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-6	S-2 (12')	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-7	S-3 (0-3")	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-8	S-3 (6')	Solid	11/30/22 00:00	12/01/22 10:00
880-22126-9	S-3 (12')	Solid	11/30/22 00:00	12/01/22 10:00

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmora Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 86258
Phone	432-813-6823	Email	Jacqui.harris@conocophillips.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Rowfields ☐ IRC ☐ Interfund ☐	State of Project:
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	Deliverables EDD ☐ ADAPT ☐ Other ☐

Project Name	Airbus 12 Federal 002H (11 11 22)	Turn Around	☐ Routine ☒ Rush	48 Hrs	Pras. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	1189																	None NO DI Water H ₂ O	
Project Location	Eddy County, New Mexico	Due Date																Cool Cool MeOH Me	
Sampler's Name	CCM																	HCL HC HNO ₃ HN	
PO #																		H ₂ SO ₄ H ₂ NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes (No)	Wet Ice	Yes (No)														H ₃ PO ₄ HP	
Received Intact	Yes (No)	Thermometer ID																NaHSO ₄ NABIS	
Cooler Custody Seals	Yes (No)	Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes (No)	Temperature Reading																Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature																NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
S-1 (0-3")	11/30/2022		X		G	1	BTX 8021B												42
S-1 (6")	11/30/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)												
S-1 (12")	11/30/2022		X		G	1	Chloride 300.0												
S-2 (0-3")	11/30/2022		X		G	1													
S-2 (6")	11/30/2022		X		G	1													
S-2 (12")	11/30/2022		X		G	1													
S-3 (0-3")	11/30/2022		X		G	1													
S-3 (6")	11/30/2022		X		G	1													
S-3 (12")	11/30/2022		X		G	1													



880-22126 Chain of Custody

Comments

Email Results to McCurmora@carmoraresources.com & cmoeching@carmoraresources.com

Relinquished by (Signature)

Date/Time

Received by (Signature)

Date/Time

Work Order No:

221764

12/5/2022

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22126-1

SDG Number: Eddy County, New Mexico

Login Number: 22126

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 12/5/2022 7:33:31 AM

JOB DESCRIPTION

Airbus 12 Federal 002H (11.11.22)
SDG NUMBER Eddy County. New Mexico

JOB NUMBER

880-22124-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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
12/5/2022 7:33:31 AM

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

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Laboratory Job ID: 880-22124-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Job ID: 880-22124-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-22124-1****Receipt**

The samples were received on 12/1/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40739 and analytical batch 880-40732 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-22126-A-1-C). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-40768 and analytical batch 880-40843 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-40816 and analytical batch 880-40744 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-22124-1

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:38	12/01/22 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:38	12/01/22 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:38	12/01/22 15:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/01/22 10:38	12/01/22 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:38	12/01/22 15:59	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/01/22 10:38	12/01/22 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	12/01/22 10:38	12/01/22 15:59	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/01/22 10:38	12/01/22 15:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/01/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 21:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 21:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	12/01/22 14:54	12/01/22 21:28	1
o-Terphenyl	105		70 - 130	12/01/22 14:54	12/01/22 21:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.9		5.05		mg/Kg			12/02/22 11:46	1

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22124-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:38	12/01/22 16:19	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:38	12/01/22 16:19	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:38	12/01/22 16:19	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/01/22 10:38	12/01/22 16:19	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/01/22 10:38	12/01/22 16:19	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/01/22 10:38	12/01/22 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/01/22 10:38	12/01/22 16:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/01/22 10:38	12/01/22 16:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22124-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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			12/01/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/01/22 14:54	12/01/22 22:28	1
o-Terphenyl	111		70 - 130				12/01/22 14:54	12/01/22 22:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		5.04		mg/Kg			12/02/22 11:53	1

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22124-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 14:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 14:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 14:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 14:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 14:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				12/01/22 10:54	12/02/22 14:35	1
1,4-Difluorobenzene (Surr)	104		70 - 130				12/01/22 10:54	12/02/22 14:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:49	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22124-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/01/22 14:54	12/01/22 22:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				12/01/22 14:54	12/01/22 22:49	1
o-Terphenyl	111		70 - 130				12/01/22 14:54	12/01/22 22:49	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2		5.00		mg/Kg			12/02/22 11:59	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22124-4

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

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		12/01/22 10:54	12/02/22 15:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 15:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 15:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 15:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/01/22 10:54	12/02/22 15:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/01/22 10:54	12/02/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				12/01/22 10:54	12/02/22 15:58	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/01/22 10:54	12/02/22 15:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/22 08:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 23:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 23:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				12/01/22 14:54	12/01/22 23:09	1
o-Terphenyl	110		70 - 130				12/01/22 14:54	12/01/22 23:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2		4.98		mg/Kg			12/02/22 12:06	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-22028-A-5-C MS	Matrix Spike	103	114				
880-22028-A-5-D MSD	Matrix Spike Duplicate	85	94				
880-22124-1	H-1 (0-6")	94	91				
880-22124-2	H-2 (0-6")	101	104				
880-22124-3	H-3 (0-6")	98	104				
880-22124-4	H-4 (0-6")	92	109				
880-22126-A-1-A MS	Matrix Spike	97	120				
880-22126-A-1-B MSD	Matrix Spike Duplicate	100	113				
LCS 880-40739/1-A	Lab Control Sample	95	112				
LCS 880-40768/1-A	Lab Control Sample	103	110				
LCSD 880-40739/2-A	Lab Control Sample Dup	100	120				
LCSD 880-40768/2-A	Lab Control Sample Dup	98	119				
MB 880-40739/5-A	Method Blank	85	101				
MB 880-40768/5-A	Method Blank	81	104				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-22124-1	H-1 (0-6")	106	105				
880-22124-1 MS	H-1 (0-6")	99	87				
880-22124-1 MSD	H-1 (0-6")	99	86				
880-22124-2	H-2 (0-6")	111	111				
880-22124-3	H-3 (0-6")	111	111				
880-22124-4	H-4 (0-6")	110	110				
LCS 880-40816/2-A	Lab Control Sample	103	98				
LCSD 880-40816/3-A	Lab Control Sample Dup	92	89				
MB 880-40816/1-A	Method Blank	182 S1+	187 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-40739/5-A

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 08:49	12/01/22 10:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 08:49	12/01/22 10:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 08:49	12/01/22 10:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/22 08:49	12/01/22 10:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 08:49	12/01/22 10:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/22 08:49	12/01/22 10:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	12/01/22 08:49	12/01/22 10:31	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/01/22 08:49	12/01/22 10:31	1

Lab Sample ID: LCS 880-40739/1-A

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1168		mg/Kg		117	70 - 130
Toluene	0.100	0.1003		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09493		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1945		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09721		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-40739/2-A

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40739

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1270		mg/Kg		127	70 - 130	8	35
Toluene	0.100	0.1021		mg/Kg		102	70 - 130	2	35
Ethylbenzene	0.100	0.1047		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2130		mg/Kg		106	70 - 130	9	35
o-Xylene	0.100	0.1054		mg/Kg		105	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 880-22028-A-5-C MS

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 40739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F1	0.0996	0.06643	F1	mg/Kg		67	70 - 130
Toluene	<0.00199	U F1	0.0996	0.04939	F1	mg/Kg		50	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-22028-A-5-C MS

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 40739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.04439	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.08972	F1	mg/Kg		45	70 - 130
o-Xylene	<0.00199	U F1	0.0996	0.04530	F1	mg/Kg		45	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-22028-A-5-D MSD

Matrix: Solid

Analysis Batch: 40732

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 40739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.05581	F1	mg/Kg		56	70 - 130	17	35
Toluene	<0.00199	U F1	0.0990	0.05030	F1	mg/Kg		51	70 - 130	2	35
Ethylbenzene	<0.00199	U F1	0.0990	0.04170	F1	mg/Kg		42	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.07644	F1	mg/Kg		39	70 - 130	16	35
o-Xylene	<0.00199	U F1	0.0990	0.03679	F1	mg/Kg		37	70 - 130	21	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-40768/5-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40768

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/01/22 10:54	12/02/22 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/01/22 10:54	12/02/22 11:08	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	12/01/22 10:54	12/02/22 11:08	1
1,4-Difluorobenzene (Surr)	104		70 - 130	12/01/22 10:54	12/02/22 11:08	1

Lab Sample ID: LCS 880-40768/1-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.09240		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09349		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1950		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

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

Lab Sample ID: LCS 880-40768/1-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09539		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-40768/2-A

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1143		mg/Kg		114	70 - 130	8	35
Toluene	0.100	0.09639		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.09160		mg/Kg		92	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130	4	35
o-Xylene	0.100	0.09145		mg/Kg		91	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-22126-A-1-A MS

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U	0.0996	0.08841		mg/Kg		89	70 - 130
Toluene	0.00702	F1	0.0996	0.07289	F1	mg/Kg		66	70 - 130
Ethylbenzene	0.0163	F1	0.0996	0.06379	F1	mg/Kg		48	70 - 130
m-Xylene & p-Xylene	0.0211	F1	0.199	0.1280	F1	mg/Kg		54	70 - 130
o-Xylene	0.0145	F1	0.0996	0.06514	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 880-22126-A-1-B MSD

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 40768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.08745		mg/Kg		87	70 - 130	1	35
Toluene	0.00702	F1	0.100	0.07537	F1	mg/Kg		68	70 - 130	3	35
Ethylbenzene	0.0163	F1	0.100	0.05868	F1	mg/Kg		42	70 - 130	8	35
m-Xylene & p-Xylene	0.0211	F1	0.200	0.1165	F1	mg/Kg		48	70 - 130	9	35
o-Xylene	0.0145	F1	0.100	0.05891	F1	mg/Kg		44	70 - 130	10	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

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

Lab Sample ID: 880-22126-A-1-B MSD

Matrix: Solid

Analysis Batch: 40843

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 40768

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

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

Lab Sample ID: MB 880-40816/1-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40816

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 20:27	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 20:27	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/01/22 14:54	12/01/22 20:27	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	182	S1+	70 - 130				12/01/22 14:54	12/01/22 20:27	1	
o-Terphenyl	187	S1+	70 - 130				12/01/22 14:54	12/01/22 20:27	1	

Lab Sample ID: LCS 880-40816/2-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40816

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	1149		mg/Kg		115	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	948.2		mg/Kg		95	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	103		70 - 130							
o-Terphenyl	98		70 - 130							

Lab Sample ID: LCSD 880-40816/3-A

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40816

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130	11	20	
Diesel Range Organics (Over C10-C28)	1000	983.0		mg/Kg		98	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	89		70 - 130							

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-22124-1 MS

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1188		mg/Kg		116	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	999	831.4		mg/Kg		83	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	99		70 - 130						
o-Terphenyl	87		70 - 130						

Lab Sample ID: 880-22124-1 MSD

Matrix: Solid

Analysis Batch: 40744

Client Sample ID: H-1 (0-6")

Prep Type: Total/NA

Prep Batch: 40816

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	986.4		mg/Kg		96	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	836.7		mg/Kg		84	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	99		70 - 130								
o-Terphenyl	86		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-40832/1-A

Matrix: Solid

Analysis Batch: 40917

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/02/22 10:13	1

Lab Sample ID: LCS 880-40832/2-A

Matrix: Solid

Analysis Batch: 40917

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-40832/3-A

Matrix: Solid

Analysis Batch: 40917

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	248.2		mg/Kg		99	90 - 110	3	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-22124-4 MS											Client Sample ID: H-4 (0-6")	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 40917												
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Chloride	16.2		249	268.7		mg/Kg		101	90 - 110			

Lab Sample ID: 880-22124-4 MSD											Client Sample ID: H-4 (0-6")	
Matrix: Solid											Prep Type: Soluble	
Analysis Batch: 40917												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	16.2		249	267.5		mg/Kg		101	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

GC VOA

Analysis Batch: 40732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	8021B	40739
880-22124-2	H-2 (0-6")	Total/NA	Solid	8021B	40739
MB 880-40739/5-A	Method Blank	Total/NA	Solid	8021B	40739
LCS 880-40739/1-A	Lab Control Sample	Total/NA	Solid	8021B	40739
LCSD 880-40739/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40739
880-22028-A-5-C MS	Matrix Spike	Total/NA	Solid	8021B	40739
880-22028-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40739

Prep Batch: 40739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	5035	
880-22124-2	H-2 (0-6")	Total/NA	Solid	5035	
MB 880-40739/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40739/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40739/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22028-A-5-C MS	Matrix Spike	Total/NA	Solid	5035	
880-22028-A-5-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 40768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-3	H-3 (0-6")	Total/NA	Solid	5035	
880-22124-4	H-4 (0-6")	Total/NA	Solid	5035	
MB 880-40768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22126-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-22126-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 40831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	Total BTEX	
880-22124-2	H-2 (0-6")	Total/NA	Solid	Total BTEX	
880-22124-3	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-22124-4	H-4 (0-6")	Total/NA	Solid	Total BTEX	

Analysis Batch: 40843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-3	H-3 (0-6")	Total/NA	Solid	8021B	40768
880-22124-4	H-4 (0-6")	Total/NA	Solid	8021B	40768
MB 880-40768/5-A	Method Blank	Total/NA	Solid	8021B	40768
LCS 880-40768/1-A	Lab Control Sample	Total/NA	Solid	8021B	40768
LCSD 880-40768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40768
880-22126-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	40768
880-22126-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	40768

GC Semi VOA

Analysis Batch: 40744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	8015B NM	40816
880-22124-2	H-2 (0-6")	Total/NA	Solid	8015B NM	40816

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QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

GC Semi VOA (Continued)

Analysis Batch: 40744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-3	H-3 (0-6")	Total/NA	Solid	8015B NM	40816
880-22124-4	H-4 (0-6")	Total/NA	Solid	8015B NM	40816
MB 880-40816/1-A	Method Blank	Total/NA	Solid	8015B NM	40816
LCS 880-40816/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	40816
LCSD 880-40816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	40816
880-22124-1 MS	H-1 (0-6")	Total/NA	Solid	8015B NM	40816
880-22124-1 MSD	H-1 (0-6")	Total/NA	Solid	8015B NM	40816

Prep Batch: 40816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-22124-2	H-2 (0-6")	Total/NA	Solid	8015NM Prep	
880-22124-3	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-22124-4	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-40816/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-40816/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-40816/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22124-1 MS	H-1 (0-6")	Total/NA	Solid	8015NM Prep	
880-22124-1 MSD	H-1 (0-6")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 40851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Total/NA	Solid	8015 NM	
880-22124-2	H-2 (0-6")	Total/NA	Solid	8015 NM	
880-22124-3	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-22124-4	H-4 (0-6")	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 40832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Soluble	Solid	DI Leach	
880-22124-2	H-2 (0-6")	Soluble	Solid	DI Leach	
880-22124-3	H-3 (0-6")	Soluble	Solid	DI Leach	
880-22124-4	H-4 (0-6")	Soluble	Solid	DI Leach	
MB 880-40832/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-40832/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-40832/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-22124-4 MS	H-4 (0-6")	Soluble	Solid	DI Leach	
880-22124-4 MSD	H-4 (0-6")	Soluble	Solid	DI Leach	

Analysis Batch: 40917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-1	H-1 (0-6")	Soluble	Solid	300.0	40832
880-22124-2	H-2 (0-6")	Soluble	Solid	300.0	40832
880-22124-3	H-3 (0-6")	Soluble	Solid	300.0	40832
880-22124-4	H-4 (0-6")	Soluble	Solid	300.0	40832
MB 880-40832/1-A	Method Blank	Soluble	Solid	300.0	40832
LCS 880-40832/2-A	Lab Control Sample	Soluble	Solid	300.0	40832
LCSD 880-40832/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	40832
880-22124-4 MS	H-4 (0-6")	Soluble	Solid	300.0	40832

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

HPLC/IC (Continued)

Analysis Batch: 40917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22124-4 MSD	H-4 (0-6")	Soluble	Solid	300.0	40832

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Client Sample ID: H-1 (0-6")

Lab Sample ID: 880-22124-1

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	40739	12/01/22 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40732	12/01/22 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40831	12/01/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			40851	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 21:28	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 11:46	CH	EET MID

Client Sample ID: H-2 (0-6")

Lab Sample ID: 880-22124-2

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	40739	12/01/22 10:38	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40732	12/01/22 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40831	12/01/22 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			40851	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 22:28	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 11:53	CH	EET MID

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22124-3

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40831	12/02/22 16:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			40851	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 22:49	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 11:59	CH	EET MID

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22124-4

Date Collected: 11/30/22 00:00

Matrix: Solid

Date Received: 12/01/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	40768	12/01/22 10:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	40843	12/02/22 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			40831	12/02/22 16:37	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County. New Mexico

Client Sample ID: H-4 (0-6")
Date Collected: 11/30/22 00:00
Date Received: 12/01/22 10:00

Lab Sample ID: 880-22124-4
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			40851	12/02/22 08:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	40816	12/01/22 14:54	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	40744	12/01/22 23:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	40832	12/01/22 17:12	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	40917	12/02/22 12:06	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	06-30-23

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-22124-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22124-1	H-1 (0-6")	Solid	11/30/22 00:00	12/01/22 10:00
880-22124-2	H-2 (0-6")	Solid	11/30/22 00:00	12/01/22 10:00
880-22124-3	H-3 (0-6")	Solid	11/30/22 00:00	12/01/22 10:00
880-22124-4	H-4 (0-6")	Solid	11/30/22 00:00	12/01/22 10:00

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Project Manager	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	15 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Lowry, NM 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.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	

Page 1 of 1

Work Order No.:

52/22

12/5/2022

[illegible]

Comments

880-22124 Chain of Custody

Comments		DOU-2121-21	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Donna M. Galloway</i>	12/11/22	<i>Donna M. Galloway</i>	12/11/22

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22124-1

SDG Number: Eddy County, New Mexico

Login Number: 22124

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Conner Moehring
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Generated 12/29/2022 4:08:19 PM

JOB DESCRIPTION

Airbus 12 Federal 002H (11.11.22)
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-23102-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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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12/29/2022 4:08:19 PM

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

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Laboratory Job ID: 880-23102-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Job ID: 880-23102-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-23102-1

Receipt

The samples were received on 12/28/2022 11:05 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-23102-1

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 13:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:29	12/29/22 13:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:29	12/29/22 13:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/22 14:29	12/29/22 13:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/22 14:29	12/29/22 13:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/22 14:29	12/29/22 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	12/28/22 14:29	12/29/22 13:56	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/28/22 14:29	12/29/22 13:56	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			12/29/22 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 13:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 13:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	12/28/22 11:30	12/28/22 13:23	1
o-Terphenyl	90		70 - 130	12/28/22 11:30	12/28/22 13:23	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/28/22 23:41	1

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-23102-2

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 14:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 14:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	12/28/22 14:29	12/29/22 14:16	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/28/22 14:29	12/29/22 14:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-23102-2

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			12/29/22 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/22 11:30	12/28/22 14:28	1
o-Terphenyl	99		70 - 130				12/28/22 11:30	12/28/22 14:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/28/22 23:55	1

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-23102-3

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 14:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 14:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 14:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				12/28/22 14:29	12/29/22 14:37	1
1,4-Difluorobenzene (Surr)	108		70 - 130				12/28/22 14:29	12/29/22 14:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-23102-3

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/28/22 11:30	12/28/22 14:50	1
o-Terphenyl	94		70 - 130				12/28/22 11:30	12/28/22 14:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			12/29/22 00:00	1

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-23102-4

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 14:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 14:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 14:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 14:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 14:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/28/22 14:29	12/29/22 14:57	1
1,4-Difluorobenzene (Surr)	109		70 - 130				12/28/22 14:29	12/29/22 14:57	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			12/29/22 15:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 15:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 15:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				12/28/22 11:30	12/28/22 15:12	1
o-Terphenyl	99		70 - 130				12/28/22 11:30	12/28/22 15:12	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			12/29/22 00:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-23102-5

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 15:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 15:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 15:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 15:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 15:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	12/28/22 14:29	12/29/22 15:17	1
1,4-Difluorobenzene (Surr)	109		70 - 130	12/28/22 14:29	12/29/22 15:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	12/28/22 11:30	12/28/22 15:34	1
o-Terphenyl	97		70 - 130	12/28/22 11:30	12/28/22 15:34	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			12/29/22 00:09	1

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-23102-6

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 14:29	12/29/22 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 14:29	12/29/22 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/28/22 14:29	12/29/22 15:38	1
1,4-Difluorobenzene (Surr)	112		70 - 130	12/28/22 14:29	12/29/22 15:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-23102-6

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			12/29/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 16:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/28/22 11:30	12/28/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				12/28/22 11:30	12/28/22 16:09	1
o-Terphenyl	103		70 - 130				12/28/22 11:30	12/28/22 16:09	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.1		5.03		mg/Kg			12/29/22 00:23	1

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-23102-7

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 15:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 15:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 15:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 14:29	12/29/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				12/28/22 14:29	12/29/22 15:58	1
1,4-Difluorobenzene (Surr)	110		70 - 130				12/28/22 14:29	12/29/22 15:58	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			12/29/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-23102-7

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				12/28/22 11:30	12/28/22 16:30	1
o-Terphenyl	96		70 - 130				12/28/22 11:30	12/28/22 16:30	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/29/22 00:28	1

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-23102-8

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 16:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				12/28/22 14:29	12/29/22 16:19	1
1,4-Difluorobenzene (Surr)	112		70 - 130				12/28/22 14:29	12/29/22 16:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				12/28/22 11:30	12/28/22 16:52	1
o-Terphenyl	101		70 - 130				12/28/22 11:30	12/28/22 16:52	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			12/29/22 00:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (1')

Lab Sample ID: 880-23102-9

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 14:29	12/29/22 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 14:29	12/29/22 16:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 14:29	12/29/22 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	12/28/22 14:29	12/29/22 16:39	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/28/22 14:29	12/29/22 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 17:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 17:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	12/28/22 11:30	12/28/22 17:14	1
o-Terphenyl	105		70 - 130	12/28/22 11:30	12/28/22 17:14	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			12/29/22 00:37	1

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-23102-10

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 13:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 13:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 13:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/28/22 13:43	12/29/22 13:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 13:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/28/22 13:43	12/29/22 13:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	12/28/22 13:43	12/29/22 13:15	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/28/22 13:43	12/29/22 13:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-23102-10

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			12/29/22 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 17:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				12/28/22 11:30	12/28/22 17:36	1
o-Terphenyl	107		70 - 130				12/28/22 11:30	12/28/22 17:36	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			12/29/22 00:42	1

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-23102-11

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/28/22 13:43	12/29/22 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/28/22 13:43	12/29/22 13:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/28/22 13:43	12/29/22 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/28/22 13:43	12/29/22 13:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/28/22 13:43	12/29/22 13:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				12/28/22 13:43	12/29/22 13:36	1
1,4-Difluorobenzene (Surr)	82		70 - 130				12/28/22 13:43	12/29/22 13:36	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			12/29/22 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')

Lab Sample ID: 880-23102-11

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				12/28/22 11:30	12/28/22 18:18	1
o-Terphenyl	113		70 - 130				12/28/22 11:30	12/28/22 18:18	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			12/29/22 00:47	1

Client Sample ID: CS-12 (1')

Lab Sample ID: 880-23102-12

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 13:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 13:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 13:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 13:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 13:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/28/22 13:43	12/29/22 13:56	1
1,4-Difluorobenzene (Surr)	84		70 - 130				12/28/22 13:43	12/29/22 13:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/29/22 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				12/28/22 11:30	12/28/22 18:40	1
o-Terphenyl	103		70 - 130				12/28/22 11:30	12/28/22 18:40	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		4.98		mg/Kg			12/29/22 01:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-13 (1')

Lab Sample ID: 880-23102-13

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 14:16	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/28/22 13:43	12/29/22 14:16	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/28/22 13:43	12/29/22 14:16	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/28/22 13:43	12/29/22 14:16	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/28/22 13:43	12/29/22 14:16	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/28/22 13:43	12/29/22 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	12/28/22 13:43	12/29/22 14:16	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/28/22 13:43	12/29/22 14:16	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			12/29/22 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	12/28/22 11:30	12/28/22 19:02	1
o-Terphenyl	94		70 - 130	12/28/22 11:30	12/28/22 19:02	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/29/22 01:05	1

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-23102-14

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 14:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 14:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 14:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/28/22 13:43	12/29/22 14:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 14:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/28/22 13:43	12/29/22 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	12/28/22 13:43	12/29/22 14:37	1
1,4-Difluorobenzene (Surr)	70		70 - 130	12/28/22 13:43	12/29/22 14:37	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1')

Lab Sample ID: 880-23102-14

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			12/29/22 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 19:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 19:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 19:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				12/28/22 11:30	12/28/22 19:24	1
o-Terphenyl	94		70 - 130				12/28/22 11:30	12/28/22 19:24	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/29/22 01:20	1

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-23102-15

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 14:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 14:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 14:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		12/28/22 13:43	12/29/22 14:57	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/28/22 13:43	12/29/22 14:57	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		12/28/22 13:43	12/29/22 14:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				12/28/22 13:43	12/29/22 14:57	1
1,4-Difluorobenzene (Surr)	74		70 - 130				12/28/22 13:43	12/29/22 14:57	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			12/29/22 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:45	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-23102-15

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				12/28/22 11:30	12/28/22 19:45	1
o-Terphenyl	98		70 - 130				12/28/22 11:30	12/28/22 19:45	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			12/29/22 01:24	1

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-23102-16

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 15:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 15:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				12/28/22 13:43	12/29/22 15:18	1
1,4-Difluorobenzene (Surr)	88		70 - 130				12/28/22 13:43	12/29/22 15:18	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			12/29/22 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				12/28/22 11:30	12/28/22 20:07	1
o-Terphenyl	99		70 - 130				12/28/22 11:30	12/28/22 20:07	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			12/29/22 01:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-23102-17

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 15:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 15:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 15:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/28/22 13:43	12/29/22 15:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 15:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/28/22 13:43	12/29/22 15:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				12/28/22 13:43	12/29/22 15:38	1
1,4-Difluorobenzene (Surr)	81		70 - 130				12/28/22 13:43	12/29/22 15:38	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			12/29/22 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 11:30	12/28/22 20:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				12/28/22 11:30	12/28/22 20:28	1
o-Terphenyl	81		70 - 130				12/28/22 11:30	12/28/22 20:28	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			12/29/22 01:34	1

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-23102-18

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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		12/28/22 13:43	12/29/22 15:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 15:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/28/22 13:43	12/29/22 15:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/28/22 13:43	12/29/22 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/28/22 13:43	12/29/22 15:59	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				12/28/22 13:43	12/29/22 15:59	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-23102-18

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			12/29/22 16:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/29/22 08:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 20:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 20:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/28/22 11:30	12/28/22 20:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				12/28/22 11:30	12/28/22 20:50	1
o-Terphenyl	86		70 - 130				12/28/22 11:30	12/28/22 20:50	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			12/29/22 01:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-23102-1	CS-1 (1')	98	109
880-23102-1 MS	CS-1 (1')	99	111
880-23102-1 MSD	CS-1 (1')	101	111
880-23102-2	CS-2 (1')	102	109
880-23102-3	CS-3 (1')	105	108
880-23102-4	CS-4 (1')	102	109
880-23102-5	CS-5 (1')	105	109
880-23102-6	CS-6 (1')	107	112
880-23102-7	CS-7 (1')	108	110
880-23102-8	CS-8 (1')	104	112
880-23102-9	CS-9 (1')	101	110
880-23102-10	CS-10 (1')	83	86
880-23102-10 MS	CS-10 (1')	114	86
880-23102-10 MSD	CS-10 (1')	100	92
880-23102-11	CS-11 (1')	84	82
880-23102-12	CS-12 (1')	95	84
880-23102-13	CS-13 (1')	89	91
880-23102-14	CS-14 (1')	84	70
880-23102-15	SW-1 (1')	100	74
880-23102-16	SW-2 (1')	86	88
880-23102-17	SW-3 (1')	89	81
880-23102-18	SW-4 (1')	95	68 S1-
LCS 880-42727/1-A	Lab Control Sample	94	108
LCS 880-42802/1-A	Lab Control Sample	95	95
LCSD 880-42727/2-A	Lab Control Sample Dup	100	111
LCSD 880-42802/2-A	Lab Control Sample Dup	103	89
MB 880-42727/5-A	Method Blank	93	105
MB 880-42802/5-A	Method Blank	74	86
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
880-23102-1	CS-1 (1')	91	90
880-23102-1 MS	CS-1 (1')	90	80
880-23102-1 MSD	CS-1 (1')	104	93
880-23102-2	CS-2 (1')	100	99
880-23102-3	CS-3 (1')	93	94
880-23102-4	CS-4 (1')	98	99
880-23102-5	CS-5 (1')	97	97
880-23102-6	CS-6 (1')	100	103
880-23102-7	CS-7 (1')	96	96
880-23102-8	CS-8 (1')	101	101
880-23102-9	CS-9 (1')	106	105

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-23102-1

Project/Site: Airbus 12 Federal 002H (11.11.22)

SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23102-10	CS-10 (1')	107	107
880-23102-11	CS-11 (1')	114	113
880-23102-12	CS-12 (1')	103	103
880-23102-13	CS-13 (1')	93	94
880-23102-14	CS-14 (1')	93	94
880-23102-15	SW-1 (1')	97	98
880-23102-16	SW-2 (1')	99	99
880-23102-17	SW-3 (1')	81	81
880-23102-18	SW-4 (1')	84	86
LCS 880-42764/2-A	Lab Control Sample	95	102
LCSD 880-42764/3-A	Lab Control Sample Dup	95	102
MB 880-42764/1-A	Method Blank	97	102

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-42727/5-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 14:29	12/29/22 13:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/22 14:29	12/29/22 13:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	12/28/22 14:29	12/29/22 13:27	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/28/22 14:29	12/29/22 13:27	1

Lab Sample ID: LCS 880-42727/1-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1034		mg/Kg		103	70 - 130
Toluene	0.100	0.09492		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09306		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1883		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09014		mg/Kg		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-42727/2-A

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1069		mg/Kg		107	70 - 130	3	35
Toluene	0.100	0.09845		mg/Kg		98	70 - 130	4	35
Ethylbenzene	0.100	0.09537		mg/Kg		95	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1977		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.09399		mg/Kg		94	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-23102-1 MS

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.1014		mg/Kg		101	70 - 130
Toluene	<0.00201	U	0.100	0.09281		mg/Kg		93	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23102-1 MS

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.08822		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1804		mg/Kg		90	70 - 130
o-Xylene	<0.00201	U	0.100	0.08680		mg/Kg		87	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-23102-1 MSD

Matrix: Solid

Analysis Batch: 42843

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 42727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0990	0.1045		mg/Kg		106	70 - 130	3	35
Toluene	<0.00201	U	0.0990	0.09578		mg/Kg		97	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0990	0.09115		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1882		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00201	U	0.0990	0.09014		mg/Kg		91	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: MB 880-42802/5-A

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42802

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 12:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 12:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 12:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/28/22 13:43	12/29/22 12:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/28/22 13:43	12/29/22 12:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/28/22 13:43	12/29/22 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	12/28/22 13:43	12/29/22 12:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130	12/28/22 13:43	12/29/22 12:54	1

Lab Sample ID: LCS 880-42802/1-A

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1148		mg/Kg		115	70 - 130
Toluene	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.08964		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1870		mg/Kg		94	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-42802/1-A

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42802

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09463		mg/Kg		95	70 - 130

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

Lab Sample ID: LCSD 880-42802/2-A

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42802

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1000		mg/Kg		100	70 - 130	14	35
Toluene	0.100	0.09828		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.09333		mg/Kg		93	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1986		mg/Kg		99	70 - 130	6	35
o-Xylene	0.100	0.09979		mg/Kg		100	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-23102-10 MS

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: CS-10 (1')

Prep Type: Total/NA

Prep Batch: 42802

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.1044		mg/Kg		104	70 - 130
Toluene	<0.00202	U	0.100	0.09873		mg/Kg		99	70 - 130
Ethylbenzene	<0.00202	U	0.100	0.09306		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2049		mg/Kg		102	70 - 130
o-Xylene	<0.00202	U	0.100	0.1035		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Lab Sample ID: 880-23102-10 MSD

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: CS-10 (1')

Prep Type: Total/NA

Prep Batch: 42802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00202	U	0.0998	0.08866		mg/Kg		89	70 - 130	16	35
Toluene	<0.00202	U	0.0998	0.08278		mg/Kg		83	70 - 130	18	35
Ethylbenzene	<0.00202	U	0.0998	0.07721		mg/Kg		77	70 - 130	19	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1660		mg/Kg		83	70 - 130	21	35
o-Xylene	<0.00202	U	0.0998	0.08312		mg/Kg		83	70 - 130	22	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23102-10 MSD

Matrix: Solid

Analysis Batch: 42840

Client Sample ID: CS-10 (1')

Prep Type: Total/NA

Prep Batch: 42802

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-42764/1-A

Matrix: Solid

Analysis Batch: 42770

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 42764

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/28/22 08:24	12/28/22 11:34	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/28/22 08:24	12/28/22 11:34	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/28/22 08:24	12/28/22 11:34	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	97		70 - 130				12/28/22 08:24	12/28/22 11:34	1	
o-Terphenyl	102		70 - 130				12/28/22 08:24	12/28/22 11:34	1	

Lab Sample ID: LCS 880-42764/2-A

Matrix: Solid

Analysis Batch: 42770

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 42764

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	765.7		mg/Kg		77	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	770.4		mg/Kg		77	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	95		70 - 130							
o-Terphenyl	102		70 - 130							

Lab Sample ID: LCSD 880-42764/3-A

Matrix: Solid

Analysis Batch: 42770

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 42764

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	769.6		mg/Kg		77	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	767.5		mg/Kg		77	70 - 130	0	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	102		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-23102-1 MS

Matrix: Solid

Analysis Batch: 42770

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 42764

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1032		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	886.3		mg/Kg		89	70 - 130		
		</									

Lab Sample ID: 880-23102-1 MSD

Matrix: Solid

Analysis Batch: 42770

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 42764

	Sample	Sample	Spike	MSD	MSD			%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1190		mg/Kg		115	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1035		mg/Kg		104	70 - 130	16	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	93		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-42794/1-A

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/28/22 23:26	1

Lab Sample ID: LCS 880-42794/2-A

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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 880-42794/3-A

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.9		mg/Kg		98	90 - 110	5	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-23102-1 MS

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<4.98	U	249	242.8		mg/Kg		98	90 - 110		

Lab Sample ID: 880-23102-1 MSD

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.98	U	249	244.6		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 880-23102-11 MS

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: CS-11 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	<5.02	U	251	238.6		mg/Kg		94	90 - 110		

Lab Sample ID: 880-23102-11 MSD

Matrix: Solid

Analysis Batch: 42805

Client Sample ID: CS-11 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<5.02	U	251	237.9		mg/Kg		94	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-23102-1

Project/Site: Airbus 12 Federal 002H (11.11.22)

SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 42727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	5035	
880-23102-2	CS-2 (1')	Total/NA	Solid	5035	
880-23102-3	CS-3 (1')	Total/NA	Solid	5035	
880-23102-4	CS-4 (1')	Total/NA	Solid	5035	
880-23102-5	CS-5 (1')	Total/NA	Solid	5035	
880-23102-6	CS-6 (1')	Total/NA	Solid	5035	
880-23102-7	CS-7 (1')	Total/NA	Solid	5035	
880-23102-8	CS-8 (1')	Total/NA	Solid	5035	
880-23102-9	CS-9 (1')	Total/NA	Solid	5035	
MB 880-42727/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42727/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42727/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23102-1 MS	CS-1 (1')	Total/NA	Solid	5035	
880-23102-1 MSD	CS-1 (1')	Total/NA	Solid	5035	

Prep Batch: 42802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-10	CS-10 (1')	Total/NA	Solid	5035	
880-23102-11	CS-11 (1')	Total/NA	Solid	5035	
880-23102-12	CS-12 (1')	Total/NA	Solid	5035	
880-23102-13	CS-13 (1')	Total/NA	Solid	5035	
880-23102-14	CS-14 (1')	Total/NA	Solid	5035	
880-23102-15	SW-1 (1')	Total/NA	Solid	5035	
880-23102-16	SW-2 (1')	Total/NA	Solid	5035	
880-23102-17	SW-3 (1')	Total/NA	Solid	5035	
880-23102-18	SW-4 (1')	Total/NA	Solid	5035	
MB 880-42802/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-42802/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-42802/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23102-10 MS	CS-10 (1')	Total/NA	Solid	5035	
880-23102-10 MSD	CS-10 (1')	Total/NA	Solid	5035	

Analysis Batch: 42840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-10	CS-10 (1')	Total/NA	Solid	8021B	42802
880-23102-11	CS-11 (1')	Total/NA	Solid	8021B	42802
880-23102-12	CS-12 (1')	Total/NA	Solid	8021B	42802
880-23102-13	CS-13 (1')	Total/NA	Solid	8021B	42802
880-23102-14	CS-14 (1')	Total/NA	Solid	8021B	42802
880-23102-15	SW-1 (1')	Total/NA	Solid	8021B	42802
880-23102-16	SW-2 (1')	Total/NA	Solid	8021B	42802
880-23102-17	SW-3 (1')	Total/NA	Solid	8021B	42802
880-23102-18	SW-4 (1')	Total/NA	Solid	8021B	42802
MB 880-42802/5-A	Method Blank	Total/NA	Solid	8021B	42802
LCS 880-42802/1-A	Lab Control Sample	Total/NA	Solid	8021B	42802
LCSD 880-42802/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42802
880-23102-10 MS	CS-10 (1')	Total/NA	Solid	8021B	42802
880-23102-10 MSD	CS-10 (1')	Total/NA	Solid	8021B	42802

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23102-1

Project/Site: Airbus 12 Federal 002H (11.11.22)

SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 42843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	8021B	42727
880-23102-2	CS-2 (1')	Total/NA	Solid	8021B	42727
880-23102-3	CS-3 (1')	Total/NA	Solid	8021B	42727
880-23102-4	CS-4 (1')	Total/NA	Solid	8021B	42727
880-23102-5	CS-5 (1')	Total/NA	Solid	8021B	42727
880-23102-6	CS-6 (1')	Total/NA	Solid	8021B	42727
880-23102-7	CS-7 (1')	Total/NA	Solid	8021B	42727
880-23102-8	CS-8 (1')	Total/NA	Solid	8021B	42727
880-23102-9	CS-9 (1')	Total/NA	Solid	8021B	42727
MB 880-42727/5-A	Method Blank	Total/NA	Solid	8021B	42727
LCS 880-42727/1-A	Lab Control Sample	Total/NA	Solid	8021B	42727
LCSD 880-42727/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	42727
880-23102-1 MS	CS-1 (1')	Total/NA	Solid	8021B	42727
880-23102-1 MSD	CS-1 (1')	Total/NA	Solid	8021B	42727

Analysis Batch: 42909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-23102-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-23102-3	CS-3 (1')	Total/NA	Solid	Total BTEX	
880-23102-4	CS-4 (1')	Total/NA	Solid	Total BTEX	
880-23102-5	CS-5 (1')	Total/NA	Solid	Total BTEX	
880-23102-6	CS-6 (1')	Total/NA	Solid	Total BTEX	
880-23102-7	CS-7 (1')	Total/NA	Solid	Total BTEX	
880-23102-8	CS-8 (1')	Total/NA	Solid	Total BTEX	
880-23102-9	CS-9 (1')	Total/NA	Solid	Total BTEX	
880-23102-10	CS-10 (1')	Total/NA	Solid	Total BTEX	
880-23102-11	CS-11 (1')	Total/NA	Solid	Total BTEX	
880-23102-12	CS-12 (1')	Total/NA	Solid	Total BTEX	
880-23102-13	CS-13 (1')	Total/NA	Solid	Total BTEX	
880-23102-14	CS-14 (1')	Total/NA	Solid	Total BTEX	
880-23102-15	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-23102-16	SW-2 (1')	Total/NA	Solid	Total BTEX	
880-23102-17	SW-3 (1')	Total/NA	Solid	Total BTEX	
880-23102-18	SW-4 (1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 42764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-23102-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-23102-3	CS-3 (1')	Total/NA	Solid	8015NM Prep	
880-23102-4	CS-4 (1')	Total/NA	Solid	8015NM Prep	
880-23102-5	CS-5 (1')	Total/NA	Solid	8015NM Prep	
880-23102-6	CS-6 (1')	Total/NA	Solid	8015NM Prep	
880-23102-7	CS-7 (1')	Total/NA	Solid	8015NM Prep	
880-23102-8	CS-8 (1')	Total/NA	Solid	8015NM Prep	
880-23102-9	CS-9 (1')	Total/NA	Solid	8015NM Prep	
880-23102-10	CS-10 (1')	Total/NA	Solid	8015NM Prep	
880-23102-11	CS-11 (1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 42764 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-12	CS-12 (1')	Total/NA	Solid	8015NM Prep	
880-23102-13	CS-13 (1')	Total/NA	Solid	8015NM Prep	
880-23102-14	CS-14 (1')	Total/NA	Solid	8015NM Prep	
880-23102-15	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-23102-16	SW-2 (1')	Total/NA	Solid	8015NM Prep	
880-23102-17	SW-3 (1')	Total/NA	Solid	8015NM Prep	
880-23102-18	SW-4 (1')	Total/NA	Solid	8015NM Prep	
MB 880-42764/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-42764/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-42764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23102-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-23102-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 42770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	8015B NM	42764
880-23102-2	CS-2 (1')	Total/NA	Solid	8015B NM	42764
880-23102-3	CS-3 (1')	Total/NA	Solid	8015B NM	42764
880-23102-4	CS-4 (1')	Total/NA	Solid	8015B NM	42764
880-23102-5	CS-5 (1')	Total/NA	Solid	8015B NM	42764
880-23102-6	CS-6 (1')	Total/NA	Solid	8015B NM	42764
880-23102-7	CS-7 (1')	Total/NA	Solid	8015B NM	42764
880-23102-8	CS-8 (1')	Total/NA	Solid	8015B NM	42764
880-23102-9	CS-9 (1')	Total/NA	Solid	8015B NM	42764
880-23102-10	CS-10 (1')	Total/NA	Solid	8015B NM	42764
880-23102-11	CS-11 (1')	Total/NA	Solid	8015B NM	42764
880-23102-12	CS-12 (1')	Total/NA	Solid	8015B NM	42764
880-23102-13	CS-13 (1')	Total/NA	Solid	8015B NM	42764
880-23102-14	CS-14 (1')	Total/NA	Solid	8015B NM	42764
880-23102-15	SW-1 (1')	Total/NA	Solid	8015B NM	42764
880-23102-16	SW-2 (1')	Total/NA	Solid	8015B NM	42764
880-23102-17	SW-3 (1')	Total/NA	Solid	8015B NM	42764
880-23102-18	SW-4 (1')	Total/NA	Solid	8015B NM	42764
MB 880-42764/1-A	Method Blank	Total/NA	Solid	8015B NM	42764
LCS 880-42764/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	42764
LCSD 880-42764/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	42764
880-23102-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	42764
880-23102-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	42764

Analysis Batch: 42837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-23102-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-23102-3	CS-3 (1')	Total/NA	Solid	8015 NM	
880-23102-4	CS-4 (1')	Total/NA	Solid	8015 NM	
880-23102-5	CS-5 (1')	Total/NA	Solid	8015 NM	
880-23102-6	CS-6 (1')	Total/NA	Solid	8015 NM	
880-23102-7	CS-7 (1')	Total/NA	Solid	8015 NM	
880-23102-8	CS-8 (1')	Total/NA	Solid	8015 NM	
880-23102-9	CS-9 (1')	Total/NA	Solid	8015 NM	
880-23102-10	CS-10 (1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 42837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-11	CS-11 (1')	Total/NA	Solid	8015 NM	
880-23102-12	CS-12 (1')	Total/NA	Solid	8015 NM	
880-23102-13	CS-13 (1')	Total/NA	Solid	8015 NM	
880-23102-14	CS-14 (1')	Total/NA	Solid	8015 NM	
880-23102-15	SW-1 (1')	Total/NA	Solid	8015 NM	
880-23102-16	SW-2 (1')	Total/NA	Solid	8015 NM	
880-23102-17	SW-3 (1')	Total/NA	Solid	8015 NM	
880-23102-18	SW-4 (1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 42794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-23102-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-23102-3	CS-3 (1')	Soluble	Solid	DI Leach	
880-23102-4	CS-4 (1')	Soluble	Solid	DI Leach	
880-23102-5	CS-5 (1')	Soluble	Solid	DI Leach	
880-23102-6	CS-6 (1')	Soluble	Solid	DI Leach	
880-23102-7	CS-7 (1')	Soluble	Solid	DI Leach	
880-23102-8	CS-8 (1')	Soluble	Solid	DI Leach	
880-23102-9	CS-9 (1')	Soluble	Solid	DI Leach	
880-23102-10	CS-10 (1')	Soluble	Solid	DI Leach	
880-23102-11	CS-11 (1')	Soluble	Solid	DI Leach	
880-23102-12	CS-12 (1')	Soluble	Solid	DI Leach	
880-23102-13	CS-13 (1')	Soluble	Solid	DI Leach	
880-23102-14	CS-14 (1')	Soluble	Solid	DI Leach	
880-23102-15	SW-1 (1')	Soluble	Solid	DI Leach	
880-23102-16	SW-2 (1')	Soluble	Solid	DI Leach	
880-23102-17	SW-3 (1')	Soluble	Solid	DI Leach	
880-23102-18	SW-4 (1')	Soluble	Solid	DI Leach	
MB 880-42794/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-42794/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-42794/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23102-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-23102-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-23102-11 MS	CS-11 (1')	Soluble	Solid	DI Leach	
880-23102-11 MSD	CS-11 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 42805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-1	CS-1 (1')	Soluble	Solid	300.0	42794
880-23102-2	CS-2 (1')	Soluble	Solid	300.0	42794
880-23102-3	CS-3 (1')	Soluble	Solid	300.0	42794
880-23102-4	CS-4 (1')	Soluble	Solid	300.0	42794
880-23102-5	CS-5 (1')	Soluble	Solid	300.0	42794
880-23102-6	CS-6 (1')	Soluble	Solid	300.0	42794
880-23102-7	CS-7 (1')	Soluble	Solid	300.0	42794
880-23102-8	CS-8 (1')	Soluble	Solid	300.0	42794
880-23102-9	CS-9 (1')	Soluble	Solid	300.0	42794
880-23102-10	CS-10 (1')	Soluble	Solid	300.0	42794

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-23102-1

Project/Site: Airbus 12 Federal 002H (11.11.22)

SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 42805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23102-11	CS-11 (1')	Soluble	Solid	300.0	42794
880-23102-12	CS-12 (1')	Soluble	Solid	300.0	42794
880-23102-13	CS-13 (1')	Soluble	Solid	300.0	42794
880-23102-14	CS-14 (1')	Soluble	Solid	300.0	42794
880-23102-15	SW-1 (1')	Soluble	Solid	300.0	42794
880-23102-16	SW-2 (1')	Soluble	Solid	300.0	42794
880-23102-17	SW-3 (1')	Soluble	Solid	300.0	42794
880-23102-18	SW-4 (1')	Soluble	Solid	300.0	42794
MB 880-42794/1-A	Method Blank	Soluble	Solid	300.0	42794
LCS 880-42794/2-A	Lab Control Sample	Soluble	Solid	300.0	42794
LCSD 880-42794/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	42794
880-23102-1 MS	CS-1 (1')	Soluble	Solid	300.0	42794
880-23102-1 MSD	CS-1 (1')	Soluble	Solid	300.0	42794
880-23102-11 MS	CS-11 (1')	Soluble	Solid	300.0	42794
880-23102-11 MSD	CS-11 (1')	Soluble	Solid	300.0	42794

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-23102-1

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 13:23	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/28/22 23:41	CH	EET MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-23102-2

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 14:28	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/28/22 23:55	CH	EET MID

Client Sample ID: CS-3 (1')

Lab Sample ID: 880-23102-3

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 14:50	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:00	CH	EET MID

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-23102-4

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:25	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (1')

Lab Sample ID: 880-23102-4

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

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			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 15:12	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:04	CH	EET MID

Client Sample ID: CS-5 (1')

Lab Sample ID: 880-23102-5

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 15:34	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:09	CH	EET MID

Client Sample ID: CS-6 (1')

Lab Sample ID: 880-23102-6

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 16:09	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:23	CH	EET MID

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-23102-7

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 16:30	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (1')

Lab Sample ID: 880-23102-7

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:28	CH	EET MID

Client Sample ID: CS-8 (1')

Lab Sample ID: 880-23102-8

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 16:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:39	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 16:52	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:32	CH	EET MID

Client Sample ID: CS-9 (1')

Lab Sample ID: 880-23102-9

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42727	12/28/22 14:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42843	12/29/22 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 17:14	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:37	CH	EET MID

Client Sample ID: CS-10 (1')

Lab Sample ID: 880-23102-10

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 14:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 17:36	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:42	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-11 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-11

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	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 13:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 14:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 18:18	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 00:47	CH	EET MID

Client Sample ID: CS-12 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 14:38	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 18:40	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:01	CH	EET MID

Client Sample ID: CS-13 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 14:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 19:02	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:05	CH	EET MID

Client Sample ID: CS-14 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-14

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	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 14:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:24	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-14 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 19:24	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:20	CH	EET MID

Client Sample ID: SW-1 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 14:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 15:24	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 19:45	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:24	CH	EET MID

Client Sample ID: SW-2 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 20:07	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:29	CH	EET MID

Client Sample ID: SW-3 (1')

Date Collected: 12/28/22 00:00

Date Received: 12/28/22 11:05

Lab Sample ID: 880-23102-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 20:28	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-23102-17

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:34	CH	EET MID

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-23102-18

Date Collected: 12/28/22 00:00

Matrix: Solid

Date Received: 12/28/22 11:05

Prep 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	42802	12/28/22 13:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	42840	12/29/22 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			42909	12/29/22 16:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			42837	12/29/22 08:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	42764	12/28/22 11:30	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	42770	12/28/22 20:50	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	42794	12/28/22 12:03	KS	EET MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	42805	12/29/22 01:38	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: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Airbus 12 Federal 002H (11.11.22)

Job ID: 880-23102-1
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	MCAWW	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

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Job ID: 880-23102-1

Project/Site: Airbus 12 Federal 002H (11.11.22)

SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23102-1	CS-1 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-2	CS-2 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-3	CS-3 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-4	CS-4 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-5	CS-5 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-6	CS-6 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-7	CS-7 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-8	CS-8 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-9	CS-9 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-10	CS-10 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-11	CS-11 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-12	CS-12 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-13	CS-13 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-14	CS-14 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-15	SW-1 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-16	SW-2 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-17	SW-3 (1')	Solid	12/28/22 00:00	12/28/22 11:05
880-23102-18	SW-4 (1')	Solid	12/28/22 00:00	12/28/22 11:05

Work Order No: 23102

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Work Order No: 236102

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Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Garmona Resources	Company Name	COG
Address	310 W Wall St Ste 415	Address	16 W London Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88258
Phone	432-813-6823	Email	jacqui.harris@conocophillips.com

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

Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Name	1189	Eddy County, New Mexico	GPJ		☐ Routine ☒ Rush			None NO DI Water H ₂ O
Project Location					Due Date	24 Hrs		Cool Cool MeOH Me
Sampler's Name								HCL HC HNO ₃ HN
PO #								H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT								H ₃ PO ₄ HP
Received Intact	Yes	No	Yes	No	Thermometer ID	Yes	No	NaHSO ₄ NABIS
Cooler Custody Seals	Yes	No	Yes	No	Correction Factor	Yes	No	Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals	Yes	No	Yes	No	Temperature Reading	Yes	No	Zn Acetate+NaOH Zn
Total Containers					Corrected Temperature			NaOH+Ascorbic Acid SAPC
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont		Sample Comments
CS-11 (1')	12/28/2022		X		C	1	X	X
CS-12 (1')	12/28/2022		X		C	1	X	X
CS-13 (1')	12/28/2022		X		C	1	X	X
CS-14 (1')	12/28/2022		X		C	1	X	X
SW-1 (1')	12/28/2022		X		C	1	X	X
SW-2 (1')	12/28/2022		X		C	1	X	X
SW-3 (1')	12/28/2022		X		C	1	X	X
SW-4 (1')	12/28/2022		X		C	1	X	X

Comments

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	12/28		12/28

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23102-1

SDG Number: Eddy County, New Mexico

Login Number: 23102

List Number: 1

List Source: Eurofins Midland

Creator: Teel, Brianna

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

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

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

CONDITIONS

Action 178934

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 178934
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	3/23/2023