CARMONA RESOURCES

SITE INFORMATION

Work Plan
Modelo 3 Fed Com #533H
Lea County, New Mexico
Incident ID: NAPP2224233813
Unit M Sec 03 T24S R32E
32.241108°, -103.668194°

Reuse Water Release
Point of Release: Overfilled Water Silo
Release Date: 08/21/2022
Volume Released: 15 barrels of Reuse Water
Volume Recovered: 10 barrels of Reuse Water

CARMONA RESOURCES

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

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

March 2, 2023

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

Re: Work Plan
Modelo 3 Fed Com #533H
EOG Resources, Inc
Incident # NAPP2224233813
Site Location: Unit M, S03, T24S, R32E
(Lat 32.241108°, Long -103.668194°)
Lea County, New Mexico

To whom it may concern:

On behalf of EOG Resources, Inc (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Modelo 3 Fed Com #533H. The site is located at 32.241108°, -103.668194° within Unit M, S03, T24S, R32E, in Lea 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 August 21, 2022, from an overfilled water silo. It resulted in the release of fifteen (15) barrels of reuse water. There were ten (10) barrels recovered. Refer to Figure 3. The initial C-141 form is attached in Appendix C.

Approved Extension

On November 21, 2022, an extension of time was approved by the NMOCD, see 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, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.14 miles Northeast of the site in S03, T24S, R32E and was drilled in 1976. The well has a reported depth to groundwater of 454.43’ below 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).

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- 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

Trenching Activities

On November 4, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. Six (6) trenches and ten (10) horizontal samples were advanced to depths ranging from the surface to 4' bgs inside the release area to assess the vertical extent. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Table 1 for the analytical results.

Vertical Delineation

Vertical delineation was achieved for the areas of T-1 through T-3 and T-6. T-4 and T-5 were not delineated vertically due to the dense, cemented geological formation 17 inches below the surface. A hammer hoe will be utilized during the remediation activities to break through and remove the impacted material. Refer to Table 1.

Horizontal Delineation

The areas of H-1 through H-10 were below the regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. Refer to Table 1.

5.0 Proposed Work Plan

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

- The areas of T-1 and T-2 will be excavated to a depth of 4' below the surface and backfilled with clean material to surface grade.
- The area of T-3 will be excavated to a depth of 3' below the surface and backfilled with clean material to surface grade.
- The area of T-4 and T-5 will be excavated to a depth of 2'- 2.5' below the surface or until vertically defined. Those areas will then be backfilled with clean material to surface grade.
- The area of T-6 will be excavated to a depth of 1.5' below the surface and backfilled with

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CARMONA RESOURCES

clean material to surface grade.

- An estimated 4,640 cubic yards will be removed and hauled to the nearest disposal based on the maximum depth.
- A variance is requested per 19.15.29.14. A NMAC, Five-point composite bottom floor hole, and sidewall samples will be collected every 500 square feet to represent the release area.
- Once the site activities and excavation are complete, the areas will be backfilled with clean material to surface grade. The remediation will be implemented 90 days after the work plan is approved.
- Impacted soil around oil and gas equipment, structures, or lines may not be removed during remediation activities due to safety concerns for the onsite personnel. However, EOG Resources will excavate the impacted soils to the maximum extent possible.

6.0 Conclusions

Upon completion, a final closure report describing the remediation activities will be presented to the New Mexico Oil Conservation Division (NMOCD). If you have any questions regarding this report or need additional information, don't hesitate to contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

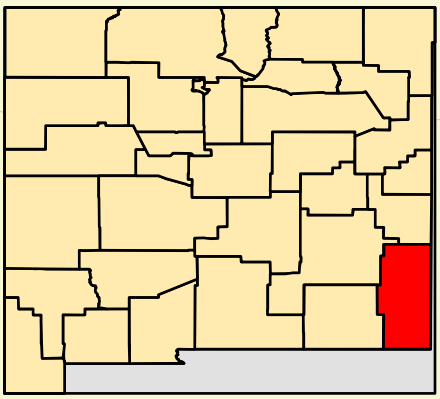
Mike Carmona
Environmental Manager

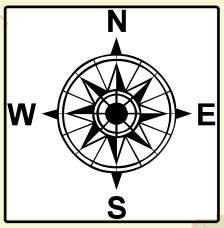
Clinton Merritt
Sr. Project Manager

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

FIGURES

CARMONA RESOURCES





OVERVIEW MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108, -103.668194

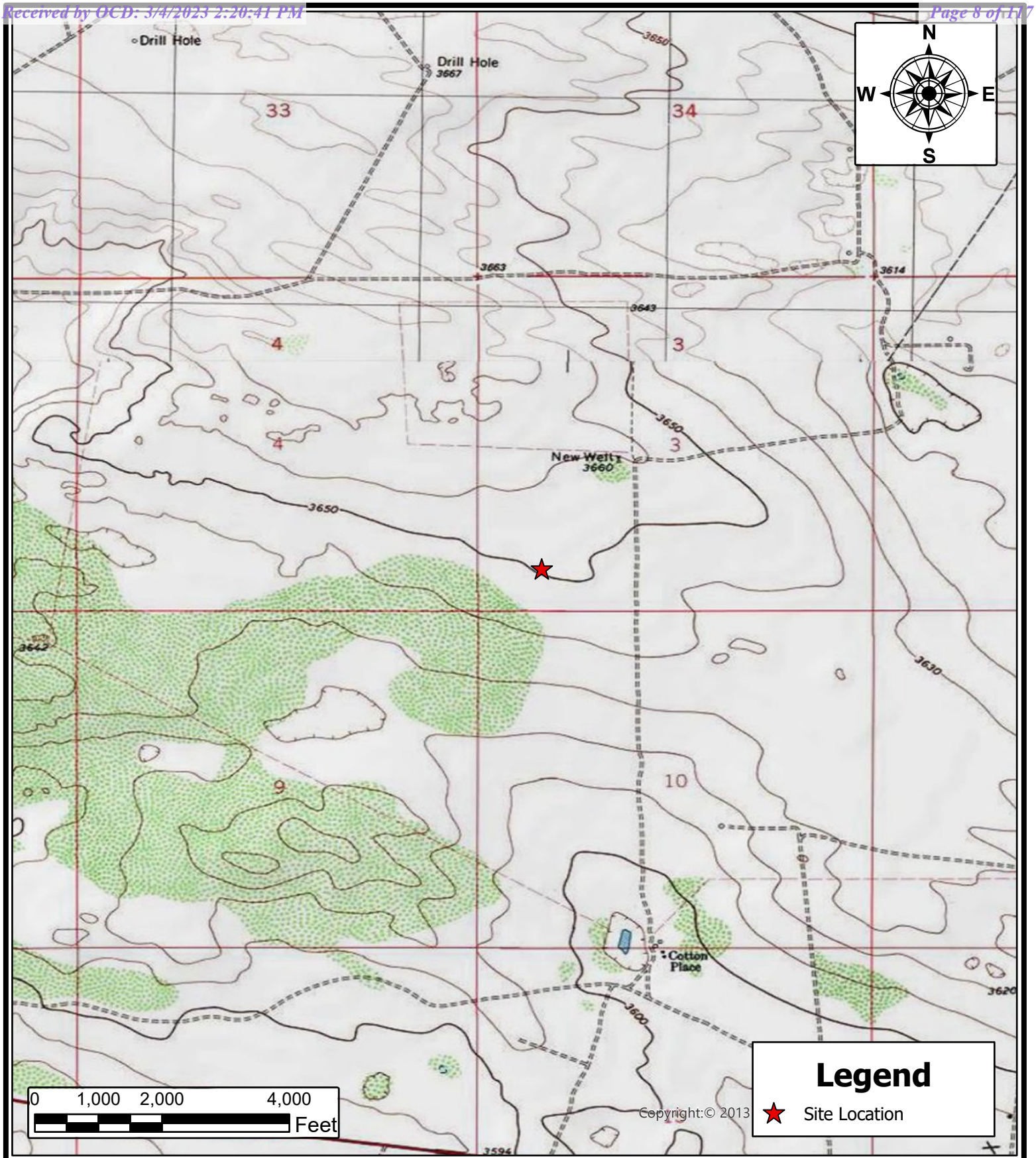
SCALE: As Shown | Date: 11/9/2022

CARMONA RESOURCES

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

NOTES:
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1



TOPOGRAPHIC MAP
EOG RESOURCES
MODELO 3 FED COM #533H
LEA COUNTY, NEW MEXICO
32.241108, -103.668194

SCALE: As Shown | Date: 11/9/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 500
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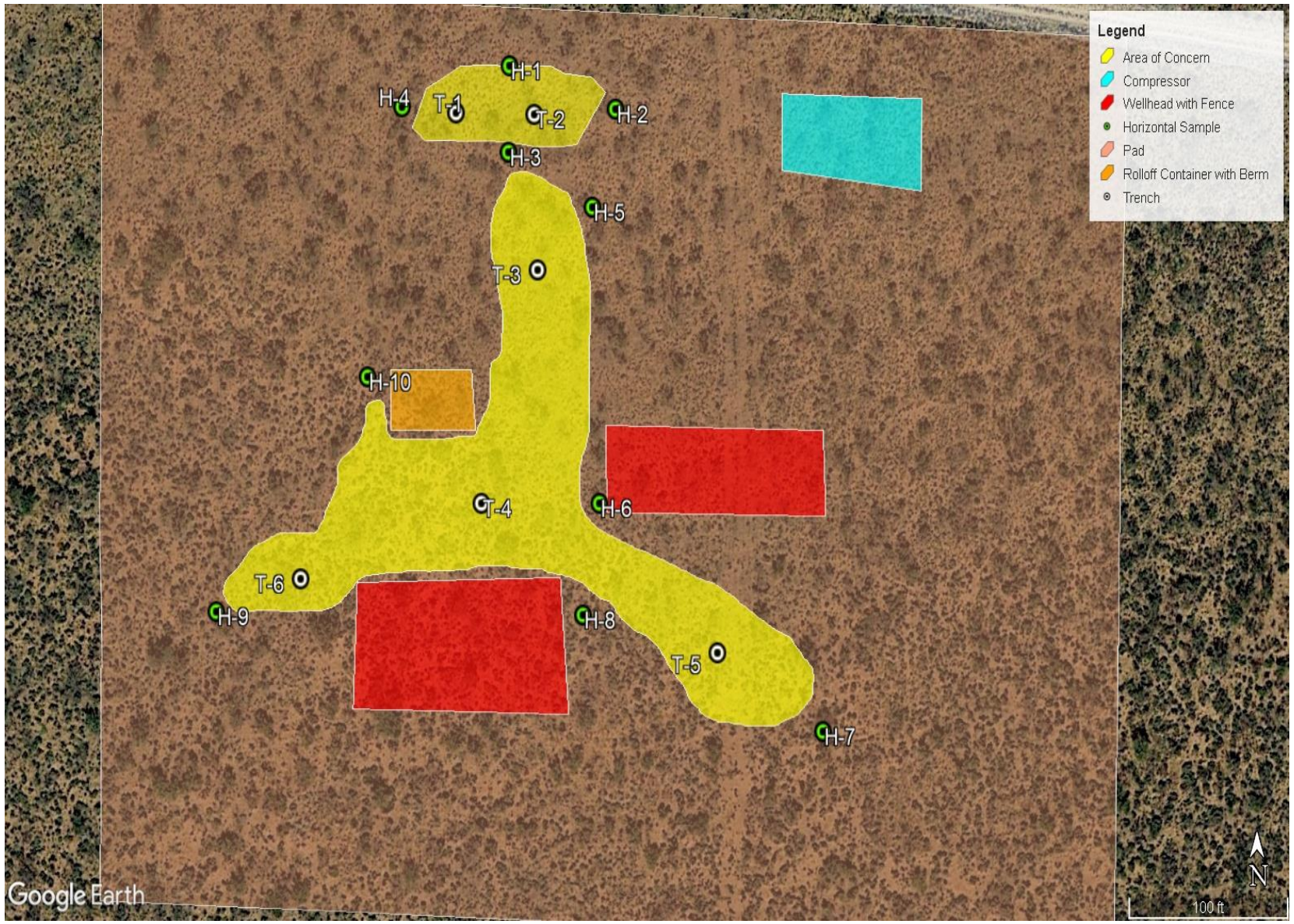
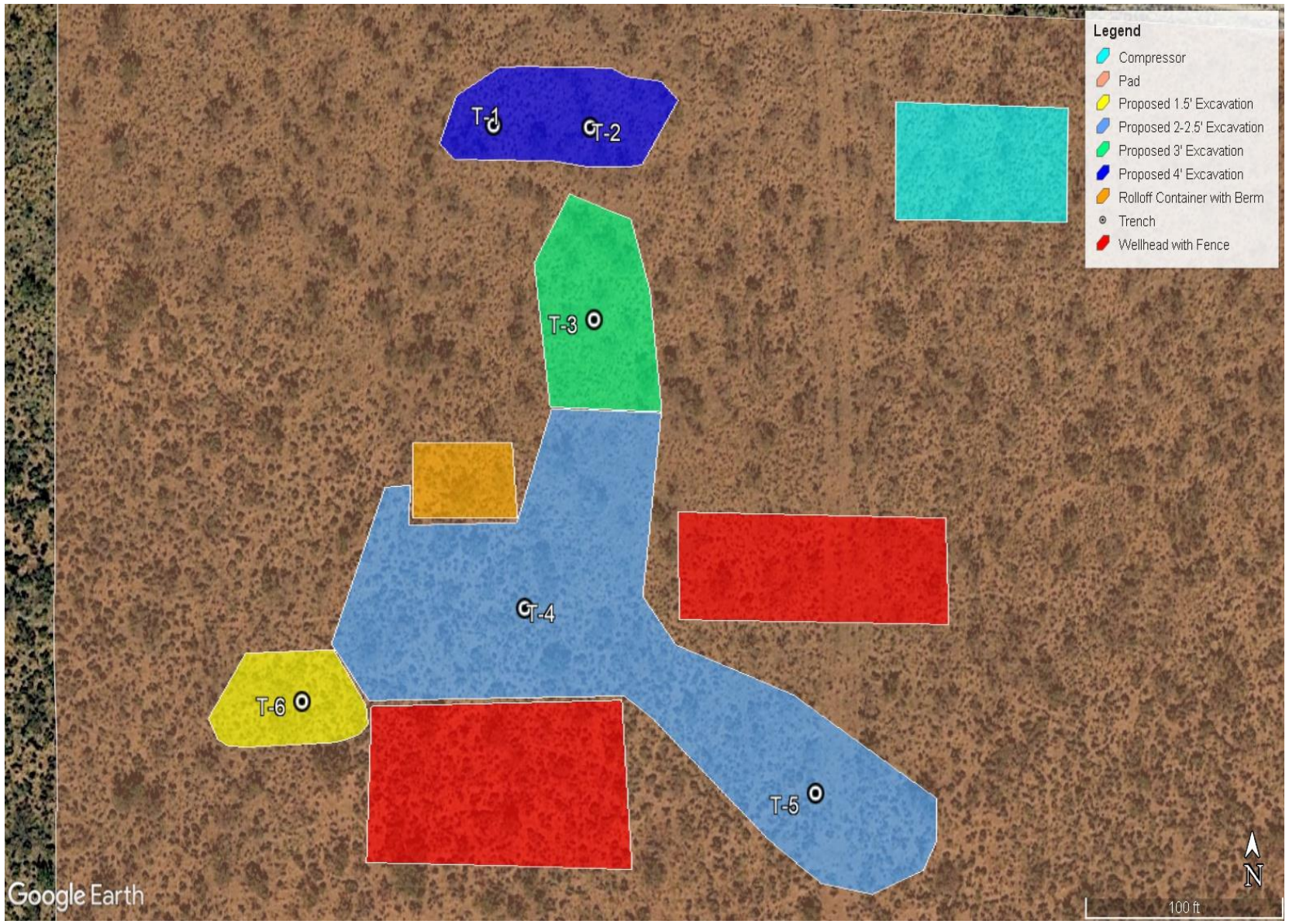
NOTES:
1. Base Image: ESRI Maps & Data 2022
2. Map Projection: WGS84

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1



SAMPLE LOCATION MAP EOG RESOURCES, INC. MODELO 3 FED COM #533H LEA COUNTY, NEW MEXICO 32.241108°, -103.668194°	CARMONA RESOURCES	FIGURE 3



PROPOSED EXCAVATION DEPTH MAP EOG RESOURCES, INC. MODELO 3 FED COM #533H LEA COUNTY, NEW MEXICO 32.241108°, -103.668194°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
EOG
Modelo 3 Fed Com #533H
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
T-1	11/4/2022	0-1	<50.0	**3,150**	<50.0	**3,150**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	366
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	356
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**792**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**772**
	"	4.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	164
T-2	11/4/2022	0-1	<49.9	**1,650**	<49.9	**1,650**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2,430**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**901**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**1,890**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**2,950**
	"	4.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	147
T-3	11/4/2022	0-1	<50.0	**6,700**	**292**	**6,990**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8,150**
	"	1.5	<49.8	**1,010**	**182**	**1,190**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**3,280**
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**5,450**
	"	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	421
T-4	11/4/2022	0-1	<50.0	**476**	**389**	**865**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**3,540**
T-5	11/4/2022	0-1	<49.9	**358**	**102**	**460**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**5,360**
	"	1.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**4,070**
T-6	11/4/2022	0-1	<49.9	**1,760**	**532**	**2,290**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**14,600**
	"	1.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	107
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	20.5
	"	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	229
H-1	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	15.6
H-2	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.2
H-3	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	15.4
H-4	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	16.3
H-5	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	16.5
H-6	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	17.3
H-7	11/4/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	14.6
H-8	11/4/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.9
H-9	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	15.5
H-10	11/4/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.1
Regulatory Criteria [A]						100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 1

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View Northeast, area of Trenches (1-2).

Photograph No. 2

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View Southeast, area of Trench (3).

Photograph No. 3

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View East, area of Trench (4-5).

PHOTOGRAPHIC LOG

EOG Resources, Inc

Photograph No. 4

Facility: Modelo 3 Fed Com #533H

County: Lea County, New Mexico

Description:
View Southwest, area of Trench (6).

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	nAPP2224233813
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # *(assigned by OCD)* nAPP2224233813
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.241109° Longitude -103.668048°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Modelo 3 Fed Com #533H	Site Type Well Pad
Date Release Discovered 8/21/22	API# *(if applicable)* 30-025-47262

Unit Letter	Section	Township	Range	County
M	3	24S	32E	Lea

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)
☒ Reuse Water	Volume Released (bbls) 15	Volume Recovered (bbls) 10
	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: During completions operations, the operator overfilled the water silo, causing it to overflow into containment. This released approximately 15 bbls of reuse water in containment and on the pad with 10 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2224233813
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 8/30/22

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Jocelyn Harimon Date: 08/30/2022

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

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

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 139347
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/31/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

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

Signature: Jennifer Nobui Date: 03/14/2023

FW: [EXTERNAL] EOG - Modelo 3 Fed Com #533H

NE **Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>**
11/21/2022 2:21 PM

To: Todd Wells Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Todd

OCD approves your request for a 90-day extension to February 21, 2023 to submit a closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Todd Wells <Todd_Wells@eogresources.com>
Sent: Monday, November 21, 2022 10:56 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] EOG - Modelo 3 Fed Com #533H

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

Good Morning,

This correspondence is to request a ninety day extension of time from the OCD for the reuse water release at the EOG, Modelo 3 Fed Com #533H, Incident #nAPP2224233813, location in Lea County, New Mexico. Following the release, the completions operations continued for an extended period of weeks on the site for multiple operations on the same pad. The completions operations and equipment at the site prevented access to begin the remediation. The personnel and equipment have moved off the location and remediation activities have started at this site in order to complete the remediation. The requested extension of time is to complete the remediation, write and submit the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells
Environmental Specialist
Midland Division

eog resources
5509 Champions Drive
Midland, TX 79706
O: (432) 686-3613
C: (432) 312-7736
Todd_Wells@eogresources.com

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

EOG Resources

380' - Drilled 2013

454.43' - Drilled 1976

Modelo 3 Fed Com #533

33.96' - Drilled 2010

133' - Drilled 2012

Legend

- 0.14 Miles
- 0.50 Mile Radius
- 1.09 Miles
- 1.15 Miles
- 1.88 Miles
- Modelo 3 Fed Com #533
- NMSEO Water Well
- USGS Water Well

N

4000 ft

Received by OCD: 3/4/2023 2:20:41 PM

Low Karst

EOG Resources

Legend

Low

Modelo 3 Fed Com #533

Modelo 3 Fed Com #533

128

128

128

128

128

2

N

4 mi

Released to Imaging: 3/14/2023 4:08:48 PM

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

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

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03527 POD1	C	LE	1	2	3	03	24S	32E	625770	3568487	675	500		
C 02350	CUB	ED		4	3	10	24S	32E	625826	3566333*	1601	60		
C 03528 POD1	C	LE	1	1	2	15	24S	32E	626040	3566129	1856	541	133	408
C 03555 POD1	C	LE	2	2	1	05	24S	32E	622748	3569233	3019	600	380	220
C 01932	C	ED		3	1	12	24S	32E	628633	3567188*	3257	492		

Average Depth to Water: **256 feet**

Minimum Depth: **133 feet**

Maximum Depth: **380 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 625452.46 **Northing (Y):** 3567890.78 **Radius:** 4000

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

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

National Water Information System: Web Interface

USGS Water Resources

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

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321428103395801

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

USGS 321428103395801 24S.32E.03.32124

Lea County, New Mexico
Latitude 32°14'28", Longitude 103°39'58" NAD27
Land-surface elevation 3,653 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1976-01-22		D	62610		3196.84	NGVD29	1	Z		
1976-01-22		D	62611		3198.57	NAVD88	1	Z		
1976-01-22		D	72019	454.43			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

Section	Code	Description
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
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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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-11-02 11:12:43 EDT
0.28 0.25 nadww02

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National Water Information System: Web Interface

USGS Water Resources

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

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- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 321312103395601

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

USGS 321312103395601 24S.32E.10.344333

Lea County, New Mexico
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83
Land-surface elevation 3,589.00 feet above NGVD29
The depth of the well is 60 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1950-04-13		D	62610		3555.36	NGVD29	1	Z		
1950-04-13		D	62611		3557.09	NAVD88	1	Z		
1950-04-13		D	72019	33.64			1	Z		
1955-06-03		D	62610		3557.10	NGVD29	P	Z		
1955-06-03		D	62611		3558.83	NAVD88	P	Z		
1955-06-03		D	72019	31.90			P	Z		
1976-01-22		D	62610		3557.20	NGVD29	1	Z		
1976-01-22		D	62611		3558.93	NAVD88	1	Z		
1976-01-22		D	72019	31.80			1	Z		
1981-03-20		D	62610		3569.07	NGVD29	1	Z		
1981-03-20		D	62611		3570.80	NAVD88	1	Z		
1981-03-20		D	72019	19.93			1	Z		

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
1986-03-18		D	62610		3551.84	NGVD29	1	Z		
1986-03-18		D	62611		3553.57	NAVD88	1	Z		
1986-03-18		D	72019	37.16			1	Z		
1991-05-29		D	62610		3549.36	NGVD29	1	Z		
1991-05-29		D	62611		3551.09	NAVD88	1	Z		
1991-05-29		D	72019	39.64			1	Z		
1996-03-14		D	62610		3550.80	NGVD29	1	S		
1996-03-14		D	62611		3552.53	NAVD88	1	S		
1996-03-14		D	72019	38.20			1	S		
2001-02-27		D	62610		3552.42	NGVD29	1	S		
2001-02-27		D	62611		3554.15	NAVD88	1	S		
2001-02-27		D	72019	36.58			1	S		
2006-02-07	16:30 UTC	m	62610		3569.60	NGVD29	1	S	USGS	
2006-02-07	16:30 UTC	m	62611		3571.33	NAVD88	1	S	USGS	
2006-02-07	16:30 UTC	m	72019	19.40			1	S	USGS	
2010-12-16	22:30 UTC	m	62610		3555.04	NGVD29	1	S	USGS	
2010-12-16	22:30 UTC	m	62611		3556.77	NAVD88	1	S	USGS	
2010-12-16	22:30 UTC	m	72019	33.96			1	S	USGS	

Explanation

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

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-11-02 11:14:45 EDT
0.31 0.27 nadww02

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03528 POD1	1	1	2	15	24S	32E	626040	3566129

Driller License:	1682	**Driller Company:**	HUNGRY HORSE, LLC.		
Driller Name:	NORRIS, JOHN D. (LD)				
Drill Start Date:	02/20/2012	**Drill Finish Date:**	03/12/2012	**Plug Date:**	
Log File Date:	04/30/2012	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.38	**Depth Well:**	541 feet	**Depth Water:**	133 feet

Water Bearing Stratifications:	Top	Bottom	Description
	133	152	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	0	541

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New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 03555 POD1	2	2	1	05	24S	32E	622748	3569233

Driller License:	1654	**Driller Company:**	NOT WORKING FOR HIRE--SIRMAN DRILLING AND CONSTRUC		
Driller Name:					
Drill Start Date:	10/20/2013	**Drill Finish Date:**	10/21/2013	**Plug Date:**	
Log File Date:	11/07/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	6.00	**Depth Well:**	600 feet	**Depth Water:**	380 feet

Water Bearing Stratifications:	Top	Bottom	Description
	475	550	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	460	520

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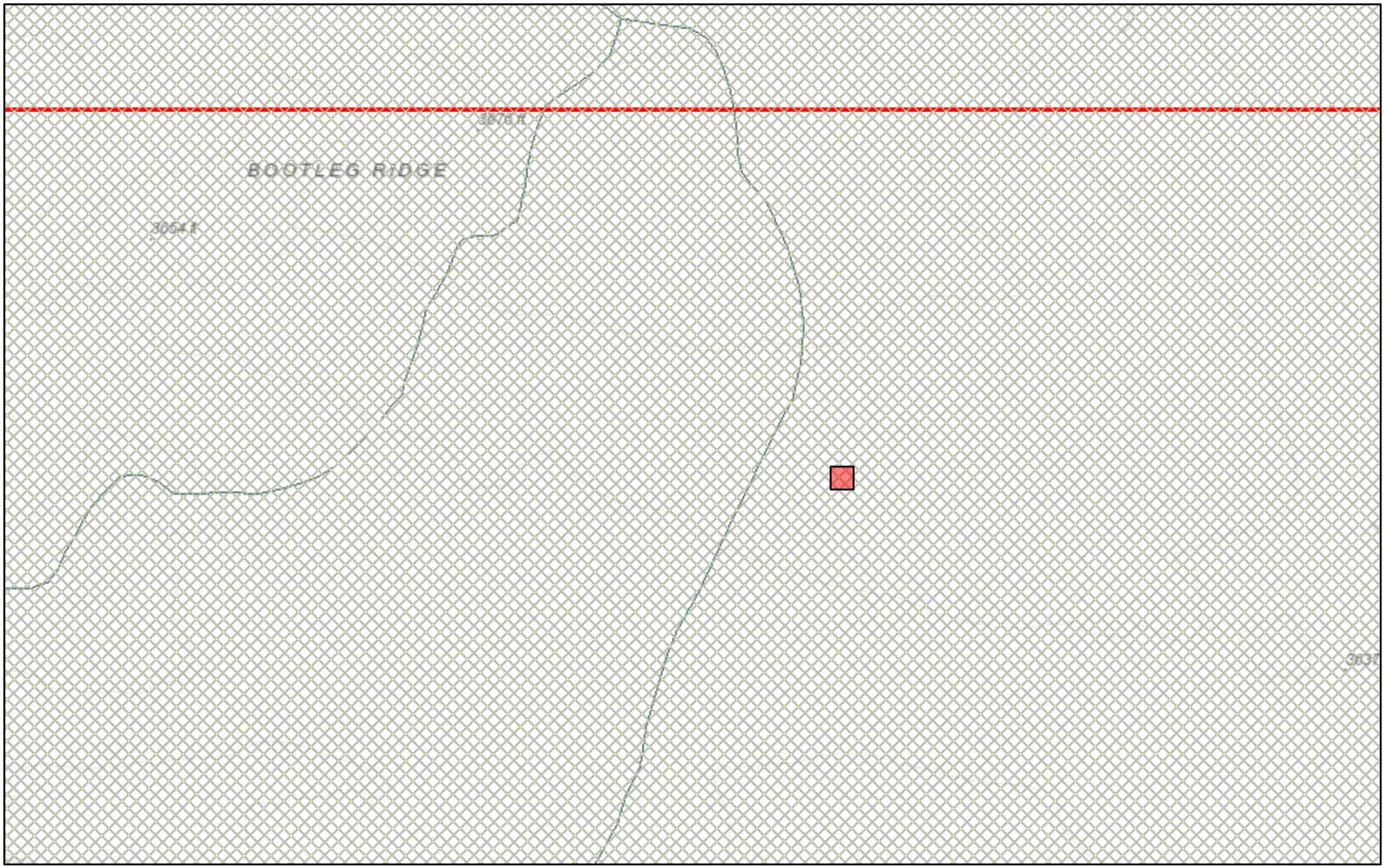
New Mexico NFHL Data



November 2, 2022

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

eurofins | Environment Testing

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-21184-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Modelo 533 Release

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

JKramer

Authorized for release by:
11/9/2022 1:25:24 PM

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

LINKS
Review your project results through my EOL
Have a Question? Ask The Expert
Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-21184-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Job ID: 880-21184-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-21184-1

Receipt
The samples were received on 11/7/2022 9:05 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 5.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-1 (0-1') (880-21184-1), T-1 (1.5') (880-21184-2), T-1 (2') (880-21184-3), T-1 (3') (880-21184-4), T-1 (4') (880-21184-5), T-2 (0-1') (880-21184-6), T-2 (1.5') (880-21184-7), T-2 (2') (880-21184-8), T-2 (3') (880-21184-9), T-2 (4') (880-21184-10), H-1 (0-0.5') (880-21184-11), H-2 (0-0.5') (880-21184-12), H-3 (0-0.5') (880-21184-13) and H-4 (0-0.5') (880-21184-14).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38879 and analytical batch 880-38951 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38871 and analytical batch 880-38798 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Toluene	<0.00200	U F2 F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:30	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		11/07/22 13:22	11/08/22 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:30*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**3150**		50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1
Diesel Range Organics (Over C10-C28)	**3150**	**F1**	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/07/22 11:47*	*11/07/22 21:11*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/07/22 11:47*	*11/07/22 21:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**366**		4.97		mg/Kg			11/09/22 02:47	1

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 12:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:56*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:56*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/07/22 11:47	11/07/22 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:16*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**356**		4.96		mg/Kg			11/09/22 03:09	1

Client Sample ID: T-1 (2')

Lab Sample ID: 880-21184-3
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 13:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/07/22 13:22*	*11/08/22 13:22*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/07/22 13:22*	*11/08/22 13:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 22:38	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (2')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:38*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**792**		5.00		mg/Kg			11/09/22 03:16	1

Client Sample ID: T-1 (3')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 13:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/07/22 13:22*	*11/08/22 13:48*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/07/22 13:22*	*11/08/22 13:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:59*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/07/22 11:47*	*11/07/22 22:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**772**		5.03		mg/Kg			11/09/22 03:23	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (4')

Lab Sample ID: 880-21184-5
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 14:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 14:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/07/22 13:22*	*11/08/22 14:14*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/07/22 13:22*	*11/08/22 14:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/07/22 11:47*	*11/07/22 23:21*	*1*
o-Terphenyl	*83*		*70 - 130*	*11/07/22 11:47*	*11/07/22 23:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		5.05		mg/Kg			11/09/22 03:31	1

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

Lab Sample ID: 880-21184-6
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 14:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 14:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*11/07/22 13:22*	*11/08/22 14:40*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/07/22 13:22*	*11/08/22 14:40*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-6
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1650**		49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1
Diesel Range Organics (Over C10-C28)	**1650**		49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/07/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/07/22 11:47*	*11/07/22 23:43*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/07/22 11:47*	*11/07/22 23:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2430**		25.1		mg/Kg			11/09/22 03:53	5

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 15:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 15:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:06*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:04*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**901**		4.98		mg/Kg			11/09/22 04:00	1

Client Sample ID: T-2 (2')

Lab Sample ID: 880-21184-8
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 15:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 15:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 13:22	11/08/22 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:32*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:25*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1890**		24.9		mg/Kg			11/09/22 04:07	5

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (3')

Lab Sample ID: 880-21184-9
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 15:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 15:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:58*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*11/07/22 13:22*	*11/08/22 15:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:46*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/07/22 11:47*	*11/08/22 00:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2950**		25.1		mg/Kg			11/09/22 04:14	5

Client Sample ID: T-2 (4')

Lab Sample ID: 880-21184-10
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 16:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 13:22	11/08/22 16:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/07/22 13:22	11/08/22 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/07/22 13:22*	*11/08/22 16:24*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*11/07/22 13:22*	*11/08/22 16:24*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (4')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/07/22 11:47*	*11/08/22 01:08*	*1*
o-Terphenyl	*84*		*70 - 130*	*11/07/22 11:47*	*11/08/22 01:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**147**		4.98		mg/Kg			11/09/22 04:21	1

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 13:22	11/08/22 18:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 13:22	11/08/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/07/22 13:22*	*11/08/22 18:09*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/07/22 13:22*	*11/08/22 18:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 01:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 01:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*11/07/22 11:47*	*11/08/22 01:50*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/07/22 11:47*	*11/08/22 01:50*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.6**		5.03		mg/Kg			11/09/22 04:29	1

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-12
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 18:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/07/22 13:22*	*11/08/22 18:35*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*11/07/22 13:22*	*11/08/22 18:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:11*	*1*
o-Terphenyl	*89*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.2**		5.02		mg/Kg			11/09/22 04:50	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-13
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 19:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 13:22	11/08/22 19:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 13:22	11/08/22 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/07/22 13:22*	*11/08/22 19:01*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*11/07/22 13:22*	*11/08/22 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:33*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:33*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**		5.04		mg/Kg			11/09/22 04:57	1

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

Lab Sample ID: 880-21184-14
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 13:22	11/08/22 19:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 19:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/07/22 13:22	11/08/22 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/07/22 13:22*	*11/08/22 19:27*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*11/07/22 13:22*	*11/08/22 19:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-14

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/09/22 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/22 09:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*11/07/22 10:40*	*11/08/22 18:24*	*1*
o-Terphenyl	*90*		*70 - 130*	*11/07/22 10:40*	*11/08/22 18:24*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.3**		4.97		mg/Kg			11/09/22 05:19	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-21184-1	T-1 (0-1')	101	88
880-21184-1 MS	T-1 (0-1')	85	78
880-21184-1 MSD	T-1 (0-1')	90	91
880-21184-2	T-1 (1.5')	106	91
880-21184-3	T-1 (2')	107	89
880-21184-4	T-1 (3')	108	90
880-21184-5	T-1 (4')	105	94
880-21184-6	T-2 (0-1')	91	94
880-21184-7	T-2 (1.5')	110	92
880-21184-8	T-2 (2')	116	97
880-21184-9	T-2 (3')	114	84
880-21184-10	T-2 (4')	115	94
880-21184-11	H-1 (0-0.5')	101	82
880-21184-12	H-2 (0-0.5')	110	115
880-21184-13	H-3 (0-0.5')	101	89
880-21184-14	H-4 (0-0.5')	96	85
LCS 880-38879/1-A	Lab Control Sample	100	97
LCSD 880-38879/2-A	Lab Control Sample Dup	104	105
MB 880-38879/5-A	Method Blank	71	83

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21183-A-1-C MS	Matrix Spike	99	93
880-21183-A-1-D MSD	Matrix Spike Duplicate	98	91
880-21184-1	T-1 (0-1')	104	98
880-21184-1 MS	T-1 (0-1')	98	80
880-21184-1 MSD	T-1 (0-1')	85	80
880-21184-2	T-1 (1.5')	98	91
880-21184-3	T-1 (2')	98	90
880-21184-4	T-1 (3')	108	100
880-21184-5	T-1 (4')	89	83
880-21184-6	T-2 (0-1')	95	87
880-21184-7	T-2 (1.5')	98	94
880-21184-8	T-2 (2')	100	92
880-21184-9	T-2 (3')	114	108
880-21184-10	T-2 (4')	90	84
880-21184-11	H-1 (0-0.5')	99	91
880-21184-12	H-2 (0-0.5')	96	89
880-21184-13	H-3 (0-0.5')	96	86
880-21184-14	H-4 (0-0.5')	90	90
LCS 880-38848/2-A	Lab Control Sample	105	113
LCS 880-38871/2-A	Lab Control Sample	100	98

Surrogate Summary

Client: Carmona Resources Job ID: 880-21184-1
Project/Site: Modelo 533 Release SDG: Lea County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCSD 880-38848/3-A	Lab Control Sample Dup	90	95								
LCSD 880-38871/3-A	Lab Control Sample Dup	120	99								
MB 880-38848/1-A	Method Blank	108	116								
MB 880-38871/1-A	Method Blank	115	111								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38879/5-A
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 13:22	11/08/22 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 13:22	11/08/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:04*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/07/22 13:22*	*11/08/22 12:04*	*1*

Lab Sample ID: LCS 880-38879/1-A
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09770		mg/Kg		98	70 - 130
Toluene	0.100	0.08450		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09055		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09137		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-38879/2-A
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38879

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08845		mg/Kg		88	70 - 130	10	35
Toluene	0.100	0.07938		mg/Kg		79	70 - 130	6	35
Ethylbenzene	0.100	0.08151		mg/Kg		82	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1653		mg/Kg		83	70 - 130	11	35
o-Xylene	0.100	0.08686		mg/Kg		87	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-21184-1 MS
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F2 F1	0.100	0.02005	F1	mg/Kg		20	70 - 130
Toluene	<0.00200	U F2 F1	0.100	0.01536	F1	mg/Kg		15	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1 MS
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.01384	F1	mg/Kg		14	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.01902	F1	mg/Kg		9	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.01517	F1	mg/Kg		15	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*

Lab Sample ID: 880-21184-1 MSD
Matrix: Solid
Analysis Batch: 38951

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F2 F1	0.101	0.03420	F2 F1	mg/Kg		34	70 - 130	52	35
Toluene	<0.00200	U F2 F1	0.101	0.02308	F2 F1	mg/Kg		23	70 - 130	40	35
Ethylbenzene	<0.00200	U F1	0.101	0.01966	F1	mg/Kg		20	70 - 130	35	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.202	0.02899	F2 F1	mg/Kg		14	70 - 130	42	35
o-Xylene	<0.00200	U F1	0.101	0.01890	F1	mg/Kg		19	70 - 130	22	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

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

Lab Sample ID: MB 880-38848/1-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 08:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 08:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 10:40	11/08/22 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/07/22 10:40*	*11/08/22 08:45*	*1*
o-Terphenyl	*116*		*70 - 130*	*11/07/22 10:40*	*11/08/22 08:45*	*1*

Lab Sample ID: LCS 880-38848/2-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	866.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1060		mg/Kg		106	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-38848/2-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38848

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-38848/3-A
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130	16	20
Diesel Range Organics (Over C10-C28)			1000	890.6		mg/Kg		89	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-21183-A-1-C MS
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	921.8		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1047		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-21183-A-1-D MSD
Matrix: Solid
Analysis Batch: 38949

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 38848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	964.9		mg/Kg		94	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1043		mg/Kg		103	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-38871/1-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/07/22 11:47*	*11/07/22 20:06*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/07/22 11:47*	*11/07/22 20:06*	*1*

Lab Sample ID: LCS 880-38871/2-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	824.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.5		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: LCSD 880-38871/3-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	809.3		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	903.5		mg/Kg		90	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 880-21184-1 MS
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	669.3	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	3150	F1	997	3119	F1	mg/Kg		-3	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1 MS
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38871

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-21184-1 MSD
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: T-1 (0-1')
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	689.0	F1	mg/Kg		69	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	3150	F1	999	3106	F1	mg/Kg		-4	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38847/1-A
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/09/22 02:26	1

Lab Sample ID: LCS 880-38847/2-A
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38847/3-A
Matrix: Solid
Analysis Batch: 38928

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	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-21184-1 MS
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: T-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	366		249	616.4		mg/Kg		101	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21184-1 MSD
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: T-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	366		249	597.4		mg/Kg		93	90 - 110	3	20

Lab Sample ID: 880-21184-11 MS
Matrix: Solid
Analysis Batch: 38928

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.6		252	265.8		mg/Kg		99	90 - 110

Lab Sample ID: 880-21184-11 MSD
Matrix: Solid
Analysis Batch: 38928

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.6		252	263.1		mg/Kg		98	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 38879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	5035	
880-21184-2	T-1 (1.5')	Total/NA	Solid	5035	
880-21184-3	T-1 (2')	Total/NA	Solid	5035	
880-21184-4	T-1 (3')	Total/NA	Solid	5035	
880-21184-5	T-1 (4')	Total/NA	Solid	5035	
880-21184-6	T-2 (0-1')	Total/NA	Solid	5035	
880-21184-7	T-2 (1.5')	Total/NA	Solid	5035	
880-21184-8	T-2 (2')	Total/NA	Solid	5035	
880-21184-9	T-2 (3')	Total/NA	Solid	5035	
880-21184-10	T-2 (4')	Total/NA	Solid	5035	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	5035	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	5035	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	5035	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-38879/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38879/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38879/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	5035	
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 38951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8021B	38879
880-21184-2	T-1 (1.5')	Total/NA	Solid	8021B	38879
880-21184-3	T-1 (2')	Total/NA	Solid	8021B	38879
880-21184-4	T-1 (3')	Total/NA	Solid	8021B	38879
880-21184-5	T-1 (4')	Total/NA	Solid	8021B	38879
880-21184-6	T-2 (0-1')	Total/NA	Solid	8021B	38879
880-21184-7	T-2 (1.5')	Total/NA	Solid	8021B	38879
880-21184-8	T-2 (2')	Total/NA	Solid	8021B	38879
880-21184-9	T-2 (3')	Total/NA	Solid	8021B	38879
880-21184-10	T-2 (4')	Total/NA	Solid	8021B	38879
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8021B	38879
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8021B	38879
MB 880-38879/5-A	Method Blank	Total/NA	Solid	8021B	38879
LCS 880-38879/1-A	Lab Control Sample	Total/NA	Solid	8021B	38879
LCSD 880-38879/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38879
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8021B	38879
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8021B	38879

Analysis Batch: 39119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-21184-2	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-21184-3	T-1 (2')	Total/NA	Solid	Total BTEX	
880-21184-4	T-1 (3')	Total/NA	Solid	Total BTEX	
880-21184-5	T-1 (4')	Total/NA	Solid	Total BTEX	
880-21184-6	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-21184-7	T-2 (1.5')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 39119 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-8	T-2 (2')	Total/NA	Solid	Total BTEX	
880-21184-9	T-2 (3')	Total/NA	Solid	Total BTEX	
880-21184-10	T-2 (4')	Total/NA	Solid	Total BTEX	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015B NM	38871
880-21184-3	T-1 (2')	Total/NA	Solid	8015B NM	38871
880-21184-4	T-1 (3')	Total/NA	Solid	8015B NM	38871
880-21184-5	T-1 (4')	Total/NA	Solid	8015B NM	38871
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015B NM	38871
880-21184-8	T-2 (2')	Total/NA	Solid	8015B NM	38871
880-21184-9	T-2 (3')	Total/NA	Solid	8015B NM	38871
880-21184-10	T-2 (4')	Total/NA	Solid	8015B NM	38871
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015B NM	38871
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015B NM	38871
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38871
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38871
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8015B NM	38871
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8015B NM	38871

Prep Batch: 38848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 38871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-21184-3	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-21184-4	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-21184-5	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-21184-8	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-21184-9	T-2 (3')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 38871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-10	T-2 (4')	Total/NA	Solid	8015NM Prep	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21184-1 MS	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-21184-1 MSD	T-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015B NM	38848
MB 880-38848/1-A	Method Blank	Total/NA	Solid	8015B NM	38848
LCS 880-38848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38848
LCSD 880-38848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38848
880-21183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	38848
880-21183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38848

Analysis Batch: 38991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-21184-2	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-21184-3	T-1 (2')	Total/NA	Solid	8015 NM	
880-21184-4	T-1 (3')	Total/NA	Solid	8015 NM	
880-21184-5	T-1 (4')	Total/NA	Solid	8015 NM	
880-21184-6	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-21184-7	T-2 (1.5')	Total/NA	Solid	8015 NM	
880-21184-8	T-2 (2')	Total/NA	Solid	8015 NM	
880-21184-9	T-2 (3')	Total/NA	Solid	8015 NM	
880-21184-10	T-2 (4')	Total/NA	Solid	8015 NM	
880-21184-11	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-12	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-13	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-21184-14	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 38847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-2	T-1 (1.5')	Soluble	Solid	DI Leach	
880-21184-3	T-1 (2')	Soluble	Solid	DI Leach	
880-21184-4	T-1 (3')	Soluble	Solid	DI Leach	
880-21184-5	T-1 (4')	Soluble	Solid	DI Leach	
880-21184-6	T-2 (0-1')	Soluble	Solid	DI Leach	
880-21184-7	T-2 (1.5')	Soluble	Solid	DI Leach	
880-21184-8	T-2 (2')	Soluble	Solid	DI Leach	
880-21184-9	T-2 (3')	Soluble	Solid	DI Leach	
880-21184-10	T-2 (4')	Soluble	Solid	DI Leach	
880-21184-11	H-1 (0-0.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Leach Batch: 38847 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-12	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-13	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-14	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-38847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21184-1 MS	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-1 MSD	T-1 (0-1')	Soluble	Solid	DI Leach	
880-21184-11 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-21184-11 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 38928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21184-1	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-2	T-1 (1.5')	Soluble	Solid	300.0	38847
880-21184-3	T-1 (2')	Soluble	Solid	300.0	38847
880-21184-4	T-1 (3')	Soluble	Solid	300.0	38847
880-21184-5	T-1 (4')	Soluble	Solid	300.0	38847
880-21184-6	T-2 (0-1')	Soluble	Solid	300.0	38847
880-21184-7	T-2 (1.5')	Soluble	Solid	300.0	38847
880-21184-8	T-2 (2')	Soluble	Solid	300.0	38847
880-21184-9	T-2 (3')	Soluble	Solid	300.0	38847
880-21184-10	T-2 (4')	Soluble	Solid	300.0	38847
880-21184-11	H-1 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-12	H-2 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-13	H-3 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-14	H-4 (0-0.5')	Soluble	Solid	300.0	38847
MB 880-38847/1-A	Method Blank	Soluble	Solid	300.0	38847
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	300.0	38847
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38847
880-21184-1 MS	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-1 MSD	T-1 (0-1')	Soluble	Solid	300.0	38847
880-21184-11 MS	H-1 (0-0.5')	Soluble	Solid	300.0	38847
880-21184-11 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	38847

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-1
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 21:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 02:47	CH	EET MID

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-21184-2
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 12:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:16	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:09	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-21184-3
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 13:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:16	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-21184-4
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-1 (3')

Lab Sample ID: 880-21184-4
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:23	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-21184-5
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 03:31	CH	EET MID

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

Lab Sample ID: 880-21184-6
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/07/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 03:53	CH	EET MID

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Client Sample ID: T-2 (1.5')

Lab Sample ID: 880-21184-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:00	CH	EET MID

Client Sample ID: T-2 (2')

Lab Sample ID: 880-21184-8
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 04:07	CH	EET MID

Client Sample ID: T-2 (3')

Lab Sample ID: 880-21184-9
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 15:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 00:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 04:14	CH	EET MID

Client Sample ID: T-2 (4')

Lab Sample ID: 880-21184-10
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:21	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21184-11
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 18:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 01:50	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:29	CH	EET MID

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

Lab Sample ID: 880-21184-12
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 18:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:11	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:50	CH	EET MID

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

Lab Sample ID: 880-21184-13
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38991	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 04:57	CH	EET MID

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

Lab Sample ID: 880-21184-14
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38879	11/07/22 13:22	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38951	11/08/22 19:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39119	11/09/22 14:12	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21184-14

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			38991	11/09/22 09:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38848	11/07/22 10:40	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38949	11/08/22 18:24	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 05:19	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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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	OII 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: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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
Project/Site: Modelo 533 Release

Job ID: 880-21184-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21184-1	T-1 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-2	T-1 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-3	T-1 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-4	T-1 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-5	T-1 (4')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-6	T-2 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-7	T-2 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-8	T-2 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-9	T-2 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-10	T-2 (4')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-11	H-1 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-12	H-2 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-13	H-3 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21184-14	H-4 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05

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Work Order No: 21184

11/9/2022

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address.	310 W Wall St Ste 415	Address.	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

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

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Modelo 533 Release	Turn Around	
Project Number	1171	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID	IR30	
Cooler Custody Seals.	Yes No N/A	Correction Factor	-1.0	
Sample Custody Seals	Yes No N/A	Temperature Reading	3.2	
Total Containers		Corrected Temperature	3.2	

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2SO_4 H_2 NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
T-1 (0-1')	11/4/2022		X		G	1		X	X	X	402
T-1 (1 5')	11/4/2022		X		G	1		X	X	X	
T-1 (2')	11/4/2022		X		G	1		X	X	X	
T-1 (3')	11/4/2022		X		G	1		X	X	X	
T-1 (4')	11/4/2022		X		G	1		X	X	X	
T-2 (0-1')	11/4/2022		X		G	1		X	X	X	
T-2 (1 5')	11/4/2022		X		G	1		X	X	X	
T-2 (2')	11/4/2022		X		G	1		X	X	X	
T-2 (3')	11/4/2022		X		G	1		X	X	X	
T-2 (4')	11/4/2022		X		G	1		X	X	X	

880-21184 Chain of Custody

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/7/22 9:05		

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Received by OCD: 3/4/2023 2:20:41 PM

Released to Imaging: 3/14/2023 4:08:48 PM

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Work Order No: 21184

11/9/2022

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name	Modelo 533 Release	Turn Around	
Project Number	1171	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
H-1 (0-0 5')	11/4/2022		X		G	1		X	X	X	
H-2 (0-0 5')	11/4/2022		X		G	1		X	X	X	
H-3 (0-0 5')	11/4/2022		X		G	1		X	X	X	
H-4 (0-0 5')	11/4/2022		X		G	1		X	X	X	

Loc: 880
21184

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/7/22 9:05		

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Received by OCD: 3/4/2023 2:20:41 PM

Released to Imaging: 3/14/2023 4:08:48 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-21184-1
SDG Number: Lea County, New Mexico

Login Number: 21184
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-21185-1
Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: Modelo 533 Release

For:
Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

JKramer

Authorized for release by:
11/9/2022 11:39:56 AM

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.

Client: Carmona Resources
Project/Site: Modelo 533 Release

Laboratory Job ID: 880-21185-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea 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
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Job ID: 880-21185-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-21185-1

Receipt
The samples were received on 11/7/2022 9:05 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 5.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: T-3 (0-1') (880-21185-1), T-3 (1.5') (880-21185-2), T-3 (2') (880-21185-3), T-3 (3') (880-21185-4), T-4 (0-1') (880-21185-5), T-5 (0-1') (880-21185-6), T-5 (1.5') (880-21185-7), T-6 (0-1') (880-21185-8), T-6 (1.5') (880-21185-9), T-6 (2') (880-21185-10), T-6 (3') (880-21185-11), H-5 (0-0.5') (880-21185-12), H-6 (0-0.5') (880-21185-13), H-7 (0-0.5') (880-21185-14), H-8 (0-0.5') (880-21185-15), H-9 (0-0.5') (880-21185-16) and H-10 (0-0.5') (880-21185-17).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38855 and analytical batch 880-38810 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-3 (1.5') (880-21185-2). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38871 and analytical batch 880-38798 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-38872 and analytical batch 880-38801 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38872 and analytical batch 880-38801 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC
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: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 15:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 11:02*	*11/07/22 15:27*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/07/22 11:02*	*11/07/22 15:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**6990**		50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1
Diesel Range Organics (Over C10-C28)	**6700**		50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1
Oil Range Organics (Over C28-C36)	**292**		50.0		mg/Kg		11/07/22 11:51	11/07/22 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:16*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:16*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8150**		101		mg/Kg			11/09/22 05:26	20

Client Sample ID: T-3 (1.5')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 15:47	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/07/22 11:02	11/07/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*11/07/22 11:02*	*11/07/22 15:47*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/07/22 11:02*	*11/07/22 15:47*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (1.5')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1190**		49.8		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1
Diesel Range Organics (Over C10-C28)	**1010**	**F1**	49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1
Oil Range Organics (Over C28-C36)	**182**		49.8		mg/Kg		11/07/22 11:51	11/07/22 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*11/07/22 11:51*	*11/07/22 21:11*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/07/22 11:51*	*11/07/22 21:11*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3280**		50.4		mg/Kg			11/09/22 05:34	10

Client Sample ID: T-3 (2')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 16:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (2')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/07/22 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:38*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:38*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5450**		49.9		mg/Kg			11/09/22 05:41	10

Client Sample ID: T-3 (3')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 16:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:28*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:59*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/07/22 11:51*	*11/07/22 22:59*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**421**		5.00		mg/Kg			11/09/22 05:48	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 16:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:49*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 11:02*	*11/07/22 16:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**865**		50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1
Diesel Range Organics (Over C10-C28)	**476**		50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1
Oil Range Organics (Over C28-C36)	**389**		50.0		mg/Kg		11/07/22 11:51	11/07/22 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/07/22 11:51*	*11/07/22 23:21*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/07/22 11:51*	*11/07/22 23:21*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3540**		24.9		mg/Kg			11/09/22 05:55	5

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 17:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:09*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:09*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-6
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**460**		49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1
Diesel Range Organics (Over C10-C28)	**358**		49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1
Oil Range Organics (Over C28-C36)	**102**		49.9		mg/Kg		11/07/22 11:51	11/07/22 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/07/22 11:51*	*11/07/22 23:43*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/07/22 11:51*	*11/07/22 23:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5360**		49.6		mg/Kg			11/09/22 06:02	10

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 17:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 17:30	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:30*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:04	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:51	11/08/22 00:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:04*	*1*
o-Terphenyl	*99*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:04*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4070**		24.9		mg/Kg			11/09/22 01:45	5

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

Lab Sample ID: 880-21185-8
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 17:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 17:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:50*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/07/22 11:02*	*11/07/22 17:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2290**		49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1
Diesel Range Organics (Over C10-C28)	**1760**		49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1
OII Range Organics (Over C28-C36)	**532**		49.9		mg/Kg		11/07/22 11:51	11/08/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:25*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:25*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14600**		101		mg/Kg			11/09/22 01:59	20

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-21185-9
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 18:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 18:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/07/22 11:02*	*11/07/22 18:10*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/07/22 11:02*	*11/07/22 18:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/08/22 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:46*	*1*
o-Terphenyl	*116*		*70 - 130*	*11/07/22 11:51*	*11/08/22 00:46*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		5.00		mg/Kg			11/09/22 02:04	1

Client Sample ID: T-6 (2')

Lab Sample ID: 880-21185-10
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 20:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/07/22 11:02	11/07/22 20:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/07/22 11:02	11/07/22 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:00*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (2')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-10
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 12:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:51	11/08/22 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/07/22 11:51*	*11/08/22 01:08*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/07/22 11:51*	*11/08/22 01:08*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.5**		4.98		mg/Kg			11/09/22 02:09	1

Client Sample ID: T-6 (3')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-11
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 20:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:21*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 02:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 02:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')

Lab Sample ID: 880-21185-11
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:54*	*1*
o-Terphenyl	*93*		*70 - 130*	*11/07/22 11:47*	*11/08/22 02:54*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**229**		4.97		mg/Kg			11/09/22 02:14	1

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

Lab Sample ID: 880-21185-12
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 20:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/07/22 11:02	11/07/22 20:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/07/22 11:02	11/07/22 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:41*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/07/22 11:02*	*11/07/22 20:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:15*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:15*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.5**		5.05		mg/Kg			11/09/22 02:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 21:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:02*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:37*	*1*
o-Terphenyl	*86*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.3**		5.04		mg/Kg			11/09/22 02:34	1

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-14
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 21:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:22*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:22*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-14
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:58*	*1*
o-Terphenyl	*87*		*70 - 130*	*11/07/22 11:47*	*11/08/22 03:58*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.6**		5.02		mg/Kg			11/09/22 02:39	1

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

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/07/22 11:02	11/07/22 21:43	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/07/22 11:02	11/07/22 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/07/22 11:02*	*11/07/22 21:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 04:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 04:19	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-15
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/07/22 11:47	11/08/22 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/07/22 11:47*	*11/08/22 04:19*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/07/22 11:47*	*11/08/22 04:19*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.9**		5.01		mg/Kg			11/09/22 02:44	1

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

Lab Sample ID: 880-21185-16
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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		11/07/22 11:02	11/07/22 22:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 22:03	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/07/22 11:02	11/07/22 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/07/22 11:02*	*11/07/22 22:03*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/07/22 11:02*	*11/07/22 22:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 04:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/07/22 11:47*	*11/08/22 04:40*	*1*
o-Terphenyl	*89*		*70 - 130*	*11/07/22 11:47*	*11/08/22 04:40*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.5**		5.00		mg/Kg			11/09/22 02:49	1

Client Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-0.5')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-17

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/07/22 11:02	11/07/22 22:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/07/22 11:02	11/07/22 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*11/07/22 11:02*	*11/07/22 22:24*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/07/22 11:02*	*11/07/22 22:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/08/22 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/08/22 11:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/08/22 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/07/22 11:47*	*11/08/22 05:01*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/07/22 11:47*	*11/08/22 05:01*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.1**		4.99		mg/Kg			11/09/22 02:54	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-21185-1	T-3 (0-1')	106	95
880-21185-2	T-3 (1.5')	136 S1+	92
880-21185-3	T-3 (2')	106	98
880-21185-4	T-3 (3')	119	106
880-21185-5	T-4 (0-1')	115	106
880-21185-6	T-5 (0-1')	123	98
880-21185-7	T-5 (1.5')	105	106
880-21185-8	T-6 (0-1')	114	103
880-21185-9	T-6 (1.5')	108	108
880-21185-10	T-6 (2')	112	90
880-21185-11	T-6 (3')	113	97
880-21185-12	H-5 (0-0.5')	112	103
880-21185-13	H-6 (0-0.5')	111	105
880-21185-14	H-7 (0-0.5')	125	101
880-21185-15	H-8 (0-0.5')	115	102
880-21185-16	H-9 (0-0.5')	121	102
880-21185-17	H-10 (0-0.5')	116	102
890-3376-A-1-F MS	Matrix Spike	97	100
890-3376-A-1-G MSD	Matrix Spike Duplicate	112	95
LCS 880-38855/1-A	Lab Control Sample	108	93
LCSD 880-38855/2-A	Lab Control Sample Dup	97	99
MB 880-38855/5-A	Method Blank	84	101

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-21184-A-1-E MS	Matrix Spike	98	80
880-21184-A-1-F MSD	Matrix Spike Duplicate	85	80
880-21185-1	T-3 (0-1')	112	120
880-21185-2	T-3 (1.5')	111	113
880-21185-2 MS	T-3 (1.5')	84	77
880-21185-2 MSD	T-3 (1.5')	82	75
880-21185-3	T-3 (2')	91	94
880-21185-4	T-3 (3')	105	108
880-21185-5	T-4 (0-1')	97	97
880-21185-6	T-5 (0-1')	101	101
880-21185-7	T-5 (1.5')	95	99
880-21185-8	T-6 (0-1')	108	108
880-21185-9	T-6 (1.5')	112	116
880-21185-10	T-6 (2')	97	101
880-21185-11	T-6 (3')	100	93
880-21185-12	H-5 (0-0.5')	102	94
880-21185-13	H-6 (0-0.5')	96	86

Surrogate Summary

Client: Carmona Resources Job ID: 880-21185-1
Project/Site: Modelo 533 Release SDG: Lea County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-21185-14	H-7 (0-0.5')	93	87										
880-21185-15	H-8 (0-0.5')	108	101										
880-21185-16	H-9 (0-0.5')	97	89										
880-21185-17	H-10 (0-0.5')	106	98										
LCS 880-38871/2-A	Lab Control Sample	100	98										
LCS 880-38872/2-A	Lab Control Sample	91	95										
LCSD 880-38871/3-A	Lab Control Sample Dup	120	99										
LCSD 880-38872/3-A	Lab Control Sample Dup	104	111										
MB 880-38871/1-A	Method Blank	115	111										
MB 880-38872/1-A	Method Blank	102	110										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38855/5-A
Matrix: Solid
Analysis Batch: 38810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/07/22 11:02	11/07/22 14:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/07/22 11:02	11/07/22 14:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*11/07/22 11:02*	*11/07/22 14:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/07/22 11:02*	*11/07/22 14:38*	*1*

Lab Sample ID: LCS 880-38855/1-A
Matrix: Solid
Analysis Batch: 38810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38855

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1042		mg/Kg		104	70 - 130		
Toluene			0.100	0.1138		mg/Kg		114	70 - 130		
Ethylbenzene			0.100	0.1111		mg/Kg		111	70 - 130		
m-Xylene & p-Xylene			0.200	0.1994		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.09890		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-38855/2-A
Matrix: Solid
Analysis Batch: 38810

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38855

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09577		mg/Kg		96	70 - 130	8	35
Toluene			0.100	0.1047		mg/Kg		105	70 - 130	8	35
Ethylbenzene			0.100	0.09891		mg/Kg		99	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1722		mg/Kg		86	70 - 130	15	35
o-Xylene			0.100	0.08427		mg/Kg		84	70 - 130	16	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-3376-A-1-F MS
Matrix: Solid
Analysis Batch: 38810

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38855

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.101	0.09235		mg/Kg		91	70 - 130		
Toluene	<0.00202	U	0.101	0.09881		mg/Kg		97	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-3376-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38810 — **Prep Batch: 38855**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0177	F1	0.101	0.08335	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	0.00451	F1	0.202	0.1199	F1	mg/Kg		57	70 - 130
o-Xylene	0.0143	F1	0.101	0.07681	F1	mg/Kg		62	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-3376-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38810 — **Prep Batch: 38855**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1011		mg/Kg		101	70 - 130	9	35
Toluene	<0.00202	U	0.0994	0.1115		mg/Kg		112	70 - 130	12	35
Ethylbenzene	0.0177	F1	0.0994	0.09824		mg/Kg		81	70 - 130	16	35
m-Xylene & p-Xylene	0.00451	F1	0.199	0.1351	F1	mg/Kg		66	70 - 130	12	35
o-Xylene	0.0143	F1	0.0994	0.08784		mg/Kg		74	70 - 130	13	35

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

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

Lab Sample ID: MB 880-38871/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38798 — **Prep Batch: 38871**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:47	11/07/22 20:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/07/22 11:47*	*11/07/22 20:06*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/07/22 11:47*	*11/07/22 20:06*	*1*

Lab Sample ID: LCS 880-38871/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 38798 — **Prep Batch: 38871**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	824.5		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.5		mg/Kg		90	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-38871/2-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38871

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-38871/3-A
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38871

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	809.3		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	903.5		mg/Kg		90	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 880-21184-A-1-E MS
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	997	669.3	F1	mg/Kg		67	70 - 130		
Diesel Range Organics (Over C10-C28)	3150	F1	997	3119	F1	mg/Kg		-3	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 880-21184-A-1-F MSD
Matrix: Solid
Analysis Batch: 38798

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 38871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	999	689.0	F1	mg/Kg		69	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	3150	F1	999	3106	F1	mg/Kg		-4	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	80		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-38872/1-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38872

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 20:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 20:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/07/22 11:51	11/07/22 20:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/07/22 11:51*	*11/07/22 20:06*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/07/22 11:51*	*11/07/22 20:06*	*1*

Lab Sample ID: LCS 880-38872/2-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	921.8		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	898.3		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-38872/3-A
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1286	*1	mg/Kg		129	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130	14	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-21185-2 MS
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	997	1095		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1010	F1	997	1316	F1	mg/Kg		30	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-2 MS
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
Prep Type: Total/NA
Prep Batch: 38872

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-21185-2 MSD
Matrix: Solid
Analysis Batch: 38801

Client Sample ID: T-3 (1.5')
Prep Type: Total/NA
Prep Batch: 38872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	999	1066		mg/Kg		103	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1010	F1	999	1293	F1	mg/Kg		28	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	75		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38847/1-A
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/09/22 02:26	1

Lab Sample ID: LCS 880-38847/2-A
Matrix: Solid
Analysis Batch: 38928

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38847/3-A
Matrix: Solid
Analysis Batch: 38928

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	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-21184-A-11-B MS
Matrix: Solid
Analysis Batch: 38928

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	15.6		252	265.8		mg/Kg		99	90 - 110

QC Sample Results

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-21184-A-11-C MSD
Matrix: Solid
Analysis Batch: 38928

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	15.6		252	263.1		mg/Kg		98	90 - 110	1	20

Lab Sample ID: MB 880-38854/1-A
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/09/22 01:30	1

Lab Sample ID: LCS 880-38854/2-A
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	260.7		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-38854/3-A
Matrix: Solid
Analysis Batch: 38929

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	274.1		mg/Kg		110	90 - 110	5	20

Lab Sample ID: 880-21185-7 MS
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: T-5 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4070		1250	5390		mg/Kg		106	90 - 110

Lab Sample ID: 880-21185-7 MSD
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: T-5 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4070		1250	5374		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-21185-17 MS
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: H-10 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	19.1		250	272.9		mg/Kg		102	90 - 110

Lab Sample ID: 880-21185-17 MSD
Matrix: Solid
Analysis Batch: 38929

Client Sample ID: H-10 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	19.1		250	269.4		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 38810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8021B	38855
880-21185-2	T-3 (1.5')	Total/NA	Solid	8021B	38855
880-21185-3	T-3 (2')	Total/NA	Solid	8021B	38855
880-21185-4	T-3 (3')	Total/NA	Solid	8021B	38855
880-21185-5	T-4 (0-1')	Total/NA	Solid	8021B	38855
880-21185-6	T-5 (0-1')	Total/NA	Solid	8021B	38855
880-21185-7	T-5 (1.5')	Total/NA	Solid	8021B	38855
880-21185-8	T-6 (0-1')	Total/NA	Solid	8021B	38855
880-21185-9	T-6 (1.5')	Total/NA	Solid	8021B	38855
880-21185-10	T-6 (2')	Total/NA	Solid	8021B	38855
880-21185-11	T-6 (3')	Total/NA	Solid	8021B	38855
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8021B	38855
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8021B	38855
MB 880-38855/5-A	Method Blank	Total/NA	Solid	8021B	38855
LCS 880-38855/1-A	Lab Control Sample	Total/NA	Solid	8021B	38855
LCSD 880-38855/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	38855
890-3376-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	38855
890-3376-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	38855

Prep Batch: 38855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	5035	
880-21185-2	T-3 (1.5')	Total/NA	Solid	5035	
880-21185-3	T-3 (2')	Total/NA	Solid	5035	
880-21185-4	T-3 (3')	Total/NA	Solid	5035	
880-21185-5	T-4 (0-1')	Total/NA	Solid	5035	
880-21185-6	T-5 (0-1')	Total/NA	Solid	5035	
880-21185-7	T-5 (1.5')	Total/NA	Solid	5035	
880-21185-8	T-6 (0-1')	Total/NA	Solid	5035	
880-21185-9	T-6 (1.5')	Total/NA	Solid	5035	
880-21185-10	T-6 (2')	Total/NA	Solid	5035	
880-21185-11	T-6 (3')	Total/NA	Solid	5035	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	5035	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	5035	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	5035	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	5035	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	5035	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	5035	
MB 880-38855/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-38855/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-38855/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3376-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-3376-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 39004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 39004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-2	T-3 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-3	T-3 (2')	Total/NA	Solid	Total BTEX	
880-21185-4	T-3 (3')	Total/NA	Solid	Total BTEX	
880-21185-5	T-4 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-6	T-5 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-7	T-5 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-8	T-6 (0-1')	Total/NA	Solid	Total BTEX	
880-21185-9	T-6 (1.5')	Total/NA	Solid	Total BTEX	
880-21185-10	T-6 (2')	Total/NA	Solid	Total BTEX	
880-21185-11	T-6 (3')	Total/NA	Solid	Total BTEX	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 38798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-11	T-6 (3')	Total/NA	Solid	8015B NM	38871
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015B NM	38871
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015B NM	38871
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015B NM	38871
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38871
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38871
880-21184-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	38871
880-21184-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	38871

Analysis Batch: 38801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-3	T-3 (2')	Total/NA	Solid	8015B NM	38872
880-21185-4	T-3 (3')	Total/NA	Solid	8015B NM	38872
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015B NM	38872
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-10	T-6 (2')	Total/NA	Solid	8015B NM	38872
MB 880-38872/1-A	Method Blank	Total/NA	Solid	8015B NM	38872
LCS 880-38872/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	38872
LCSD 880-38872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	38872
880-21185-2 MS	T-3 (1.5')	Total/NA	Solid	8015B NM	38872
880-21185-2 MSD	T-3 (1.5')	Total/NA	Solid	8015B NM	38872

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

GC Semi VOA

Prep Batch: 38871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-11	T-6 (3')	Total/NA	Solid	8015NM Prep	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-38871/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38871/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38871/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21184-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-21184-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 38872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-3	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-21185-4	T-3 (3')	Total/NA	Solid	8015NM Prep	
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-10	T-6 (2')	Total/NA	Solid	8015NM Prep	
MB 880-38872/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-38872/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-38872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-21185-2 MS	T-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-21185-2 MSD	T-3 (1.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 38992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-21185-2	T-3 (1.5')	Total/NA	Solid	8015 NM	
880-21185-3	T-3 (2')	Total/NA	Solid	8015 NM	
880-21185-4	T-3 (3')	Total/NA	Solid	8015 NM	
880-21185-5	T-4 (0-1')	Total/NA	Solid	8015 NM	
880-21185-6	T-5 (0-1')	Total/NA	Solid	8015 NM	
880-21185-7	T-5 (1.5')	Total/NA	Solid	8015 NM	
880-21185-8	T-6 (0-1')	Total/NA	Solid	8015 NM	
880-21185-9	T-6 (1.5')	Total/NA	Solid	8015 NM	
880-21185-10	T-6 (2')	Total/NA	Solid	8015 NM	
880-21185-11	T-6 (3')	Total/NA	Solid	8015 NM	
880-21185-12	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-13	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-14	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-15	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-16	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-21185-17	H-10 (0-0.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 38847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Soluble	Solid	DI Leach	
880-21185-2	T-3 (1.5')	Soluble	Solid	DI Leach	
880-21185-3	T-3 (2')	Soluble	Solid	DI Leach	
880-21185-4	T-3 (3')	Soluble	Solid	DI Leach	
880-21185-5	T-4 (0-1')	Soluble	Solid	DI Leach	
880-21185-6	T-5 (0-1')	Soluble	Solid	DI Leach	
MB 880-38847/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21184-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-21184-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 38854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-7	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-8	T-6 (0-1')	Soluble	Solid	DI Leach	
880-21185-9	T-6 (1.5')	Soluble	Solid	DI Leach	
880-21185-10	T-6 (2')	Soluble	Solid	DI Leach	
880-21185-11	T-6 (3')	Soluble	Solid	DI Leach	
880-21185-12	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-13	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-14	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-15	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-16	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-17	H-10 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-38854/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-21185-7 MS	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-7 MSD	T-5 (1.5')	Soluble	Solid	DI Leach	
880-21185-17 MS	H-10 (0-0.5')	Soluble	Solid	DI Leach	
880-21185-17 MSD	H-10 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 38928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-1	T-3 (0-1')	Soluble	Solid	300.0	38847
880-21185-2	T-3 (1.5')	Soluble	Solid	300.0	38847
880-21185-3	T-3 (2')	Soluble	Solid	300.0	38847
880-21185-4	T-3 (3')	Soluble	Solid	300.0	38847
880-21185-5	T-4 (0-1')	Soluble	Solid	300.0	38847
880-21185-6	T-5 (0-1')	Soluble	Solid	300.0	38847
MB 880-38847/1-A	Method Blank	Soluble	Solid	300.0	38847
LCS 880-38847/2-A	Lab Control Sample	Soluble	Solid	300.0	38847
LCSD 880-38847/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38847
880-21184-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	38847
880-21184-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	38847

Analysis Batch: 38929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-7	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-8	T-6 (0-1')	Soluble	Solid	300.0	38854

QC Association Summary

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

HPLC/IC (Continued)

Analysis Batch: 38929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-21185-9	T-6 (1.5')	Soluble	Solid	300.0	38854
880-21185-10	T-6 (2')	Soluble	Solid	300.0	38854
880-21185-11	T-6 (3')	Soluble	Solid	300.0	38854
880-21185-12	H-5 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-13	H-6 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-14	H-7 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-15	H-8 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-16	H-9 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-17	H-10 (0-0.5')	Soluble	Solid	300.0	38854
MB 880-38854/1-A	Method Blank	Soluble	Solid	300.0	38854
LCS 880-38854/2-A	Lab Control Sample	Soluble	Solid	300.0	38854
LCSD 880-38854/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	38854
880-21185-7 MS	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-7 MSD	T-5 (1.5')	Soluble	Solid	300.0	38854
880-21185-17 MS	H-10 (0-0.5')	Soluble	Solid	300.0	38854
880-21185-17 MSD	H-10 (0-0.5')	Soluble	Solid	300.0	38854

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-1
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		20			38928	11/09/22 05:26	CH	EET MID

Client Sample ID: T-3 (1.5')

Lab Sample ID: 880-21185-2
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 15:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 21:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 05:34	CH	EET MID

Client Sample ID: T-3 (2')

Lab Sample ID: 880-21185-3
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:38	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 05:41	CH	EET MID

Client Sample ID: T-3 (3')

Lab Sample ID: 880-21185-4
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-3 (3')

Lab Sample ID: 880-21185-4

Date Collected: 11/04/22 00:00
Matrix: Solid
Date Received: 11/07/22 09:05

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			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 22:59	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		1			38928	11/09/22 05:48	CH	EET MID

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

Lab Sample ID: 880-21185-5

Date Collected: 11/04/22 00:00
Matrix: Solid
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 23:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		5			38928	11/09/22 05:55	CH	EET MID

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

Lab Sample ID: 880-21185-6

Date Collected: 11/04/22 00:00
Matrix: Solid
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/07/22 23:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	38847	11/07/22 10:40	SMC	EET MID
Soluble	Analysis	300.0		10			38928	11/09/22 06:02	CH	EET MID

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7

Date Collected: 11/04/22 00:00
Matrix: Solid
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:04	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-5 (1.5')

Lab Sample ID: 880-21185-7
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		5			38929	11/09/22 01:45	CH	EET MID

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

Lab Sample ID: 880-21185-8
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		20			38929	11/09/22 01:59	CH	EET MID

Client Sample ID: T-6 (1.5')

Lab Sample ID: 880-21185-9
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 00:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:04	CH	EET MID

Client Sample ID: T-6 (2')

Lab Sample ID: 880-21185-10
Matrix: Solid
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 12:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38872	11/07/22 11:51	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38801	11/08/22 01:08	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:09	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: T-6 (3')
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 02:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:14	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:29	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:37	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:34	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-21185-14

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 03:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:39	CH	EET MID

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

Lab Sample ID: 880-21185-15

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 21:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 04:19	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:44	CH	EET MID

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

Lab Sample ID: 880-21185-16

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 22:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 04:40	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:49	CH	EET MID

Client Sample ID: H-10 (0-0.5')

Lab Sample ID: 880-21185-17

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

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	38855	11/07/22 11:02	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	38810	11/07/22 22:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			39004	11/08/22 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			38992	11/08/22 11:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	38871	11/07/22 11:47	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	38798	11/08/22 05:01	SM	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Client Sample ID: H-10 (0-0.5')

Date Collected: 11/04/22 00:00
Date Received: 11/07/22 09:05

Lab Sample ID: 880-21185-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	38854	11/07/22 10:48	SMC	EET MID
Soluble	Analysis	300.0		1			38929	11/09/22 02:54	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: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-24	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	OII 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: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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
Project/Site: Modelo 533 Release

Job ID: 880-21185-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-21185-1	T-3 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-2	T-3 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-3	T-3 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-4	T-3 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-5	T-4 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-6	T-5 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-7	T-5 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-8	T-6 (0-1')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-9	T-6 (1.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-10	T-6 (2')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-11	T-6 (3')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-12	H-5 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-13	H-6 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-14	H-7 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-15	H-8 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-16	H-9 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05
880-21185-17	H-10 (0-0.5')	Solid	11/04/22 00:00	11/07/22 09:05

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Work Order No: 21185

11/9/2022

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

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

State of Project

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Modelo 533 Release	Turn Around	
Project Number	1171	☐ Routine ☑ Rush	
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	-.3
Sample Custody Seals	Yes No N/A	Temperature Reading	5.8
Total Containers		Corrected Temperature	5.5

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

H_2S0_4 H_2 NaOH Na

H_3PO_4. HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
T-3 (0-1')	11/4/2022		X		G	1	X	X	X	H02
T-3 (1 5')	11/4/2022		X		G	1	X	X	X	
T-3 (2')	11/4/2022		X		G	1	X	X	X	
T-3 (3')	11/4/2022		X		G	1	X	X	X	
T-4 (0-1')	11/4/2022		X		G	1	X	X	X	
T-5 (0-1')	11/4/2022		X		G	1	X	X	X	
T-5 (1 5')	11/4/2022		X		G	1	X	X	X	
T-6 (0-1')	11/4/2022		X		G	1	X	X	X	
T-6 (1 5')	11/4/2022		X		G	1	X	X	X	
T-6 (2')	11/4/2022		X		G	1	X	X	X	

880-21185 Chain of Custody

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	11/7/22 905		

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Received by OCD: 3/4/2023 2:20:41 PM

Released to Imaging: 3/14/2023 4:08:48 PM

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Work Order No: 21185

11/9/2022

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Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 415	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

Work Order Comments

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

State of Project:

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

Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name	Modelo 533 Release	Turn Around	
Project Number	1171	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date	72 Hrs
Sampler's Name	CRM		
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0
T-6 (3')	11/4/2022		X		G	1	X	X	X
H-5 (0-0 5')	11/4/2022		X		G	1	X	X	X
H-6 (0-0 5')	11/4/2022		X		G	1	X	X	X
H-7 (0-0 5')	11/4/2022		X		G	1	X	X	X
H-8 (0-0 5')	11/4/2022		X		G	1	X	X	X
H-9 (0-0 5')	11/4/2022		X		G	1	X	X	X
H-10 (0-0 5')	11/4/2022		X		G	1	X	X	X

ANALYSIS REQUEST — Pres. Code — Parameters

Preservative Codes

None NO — DI Water H_2O

Cool Cool — MeOH Me

HCL HC — HNO_3 HN

H_2S0_4 H_2 — NaOH Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Comments

Loc: 880
21185

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

Relinquished by (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/7/22 9 05		

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Received by OCD: 3/4/2023 2:20:41 PM

Released to Imaging: 3/14/2023 4:08:48 PM

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-21185-1
SDG Number: Lea County, New Mexico

Login Number: 21185
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 193142
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Variance approved: composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than four hundred (400) square feet.	3/14/2023