

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/10/2023

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

Closure Approved by: Robert Hamlet Date: 8/25/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

CARMONA RESOURCES



SITE INFORMATION

Closure Report
ZHU 2331 WC 001H
Incident #NAPP2233951077
Eddy County, New Mexico
Unit M Sec 23 T26S R31E
32.0237°, -103.7541°

Produced Water Release
Point of Release: Pop-off Valve
Release Date: 11.21.22
Volume Released: 9 barrels of Produced Water
Volume Recovered: 9 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
ConocoPhillips
600 West Illinois Avenue
Midland, Texas 79701

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

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

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April 5, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 4
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Closure Report
ZHU 2331 WC 001H (11.21.22)
ConocoPhillips
Site Location: Unit M, S23, T26S, R31E
(Lat 32.0237°, Long -103.7541°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of ConocoPhillips (COP), Carmona Resources, LLC has prepared this letter to document site assessment activities for the ZHU 2331 WC 001H (11.21.22). The site is located at 32.0237°, -103.7541° within Unit M, S23, T26S, R31E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on November 21, 2022, caused by a pop-off valve due to equipment malfunction. It released approximately nine (9) barrels of produced water, and nine (9) barrels were recovered. The impacted area occurred on the pad. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.96 miles Southeast of the site in S35, T26S, R31E and was drilled in 1998. The well has a reported depth to groundwater of 183.45' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Remediation Activities

Carmona Resources personnel were on site to guide the at-risk remediation activities, field screen the area of concern to determine the excavation depths, and document backfill activities. On January 31, 2023, the NMOCD granted an extension to April 5, 2023, due to ongoing drilling operations. In addition to collecting composite confirmation samples, the NMOCD division office was notified via email on March 7, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eighteen (18) floor confirmation samples were collected (CS-1 through CS-18), and eleven (11) sidewall samples (SW-1 through SW-11) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were



analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 3.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Refer to Table 1.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 330 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COP formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

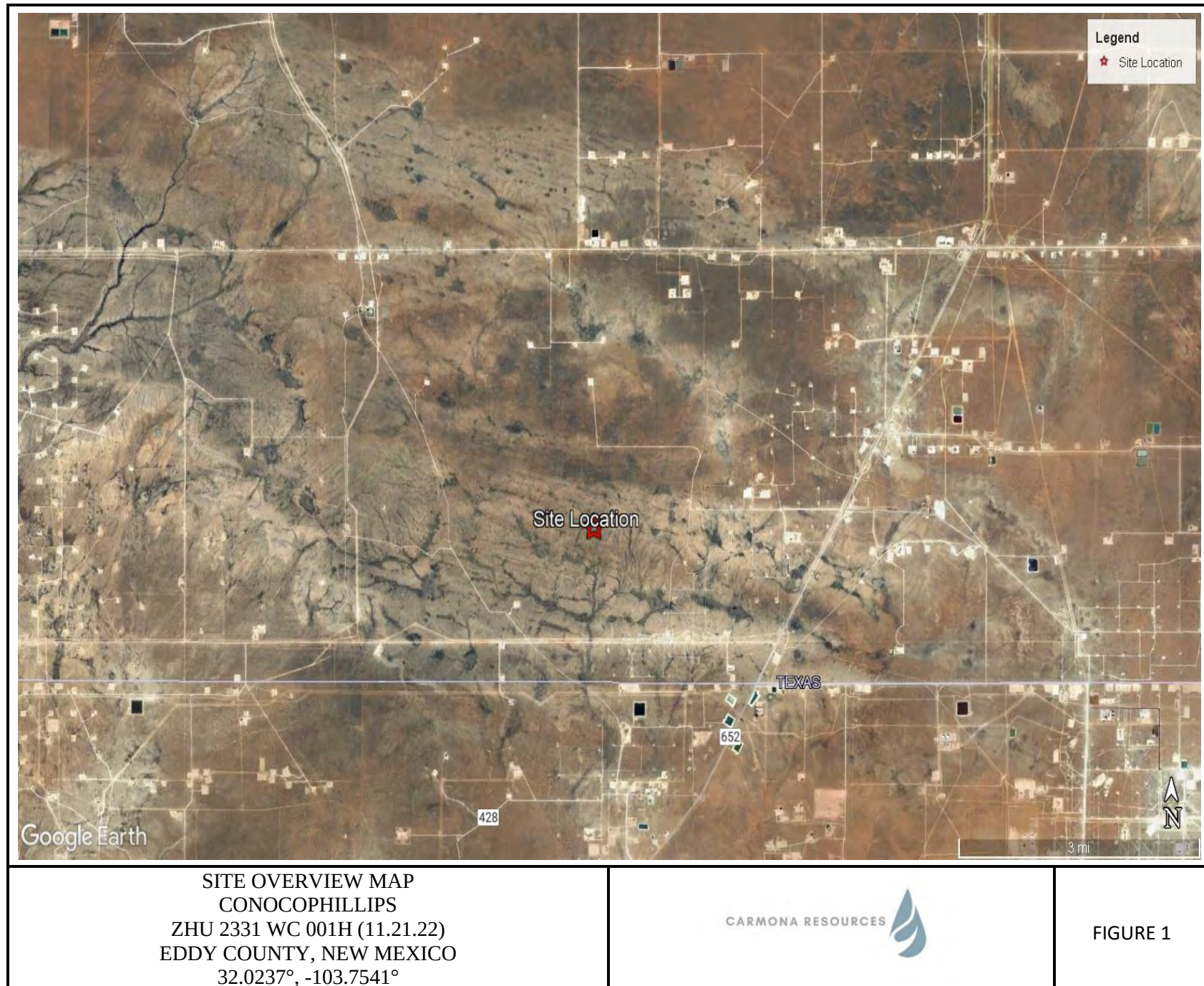
Mike Carmona
Environmental Manager

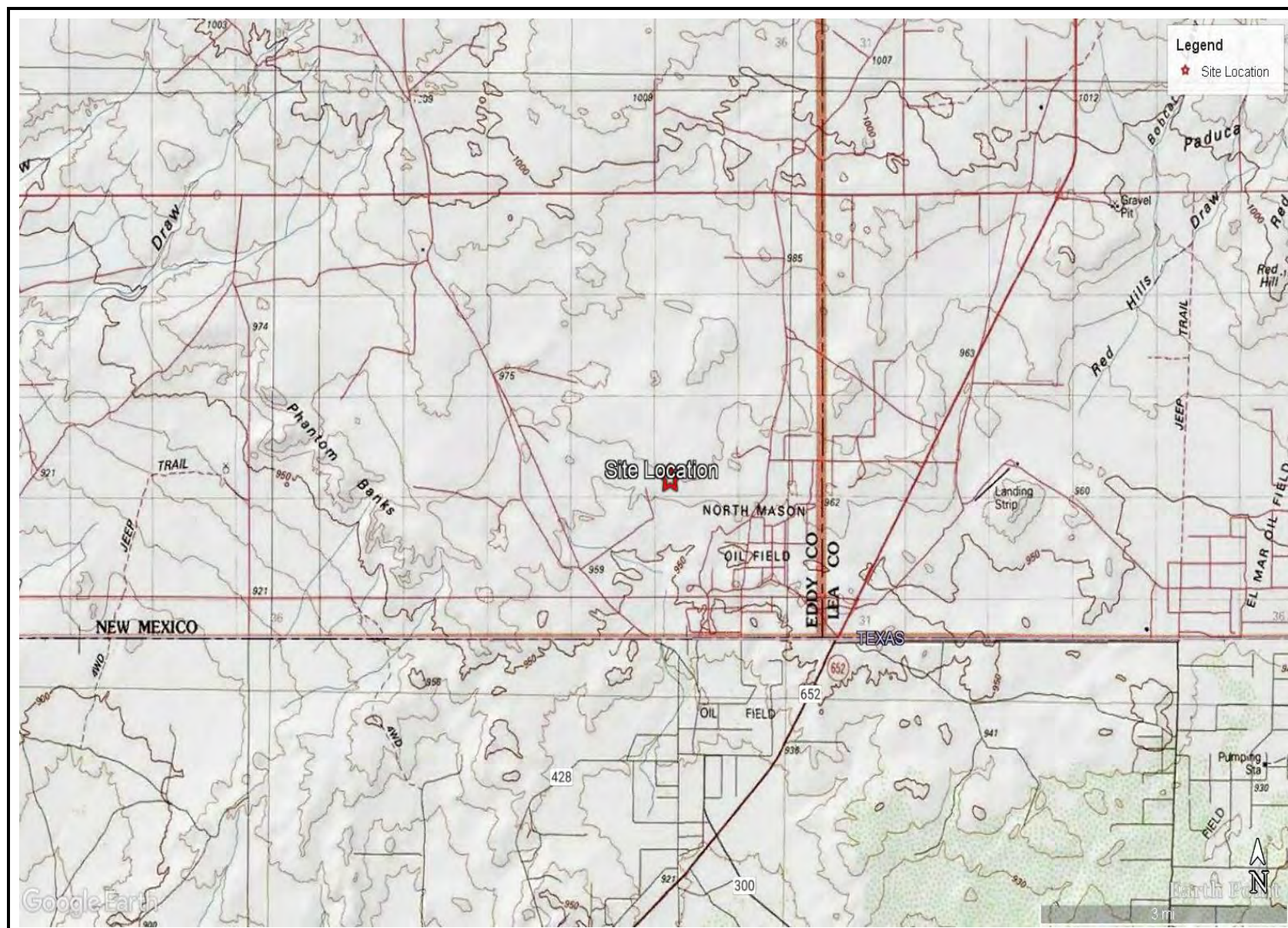
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



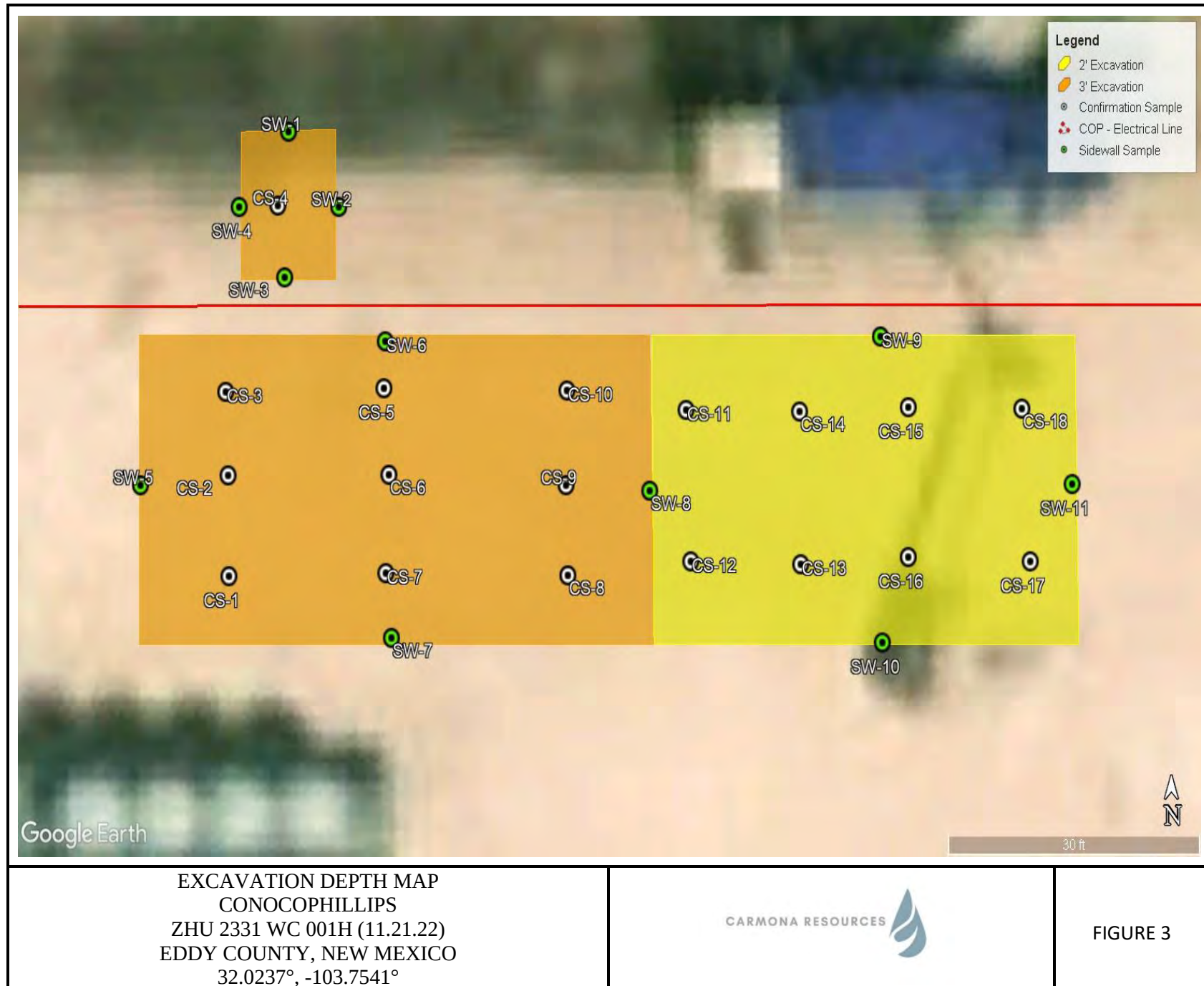




TOPOGRAPHIC MAP
CONOCOPHILLIPS
ZHU 2331 WC 001H (11.21.22)
EDDY COUNTY, NEW MEXICO
32.0237°, -103.7541°



FIGURE 2



APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
ZHU 2331 WC 001H (11.21.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	3/14/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	84.4
CS-2	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	95.9
CS-3	3/14/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00198	0.0023	<0.00198	<0.00396	<0.00396	134
CS-4	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	0.00259	<0.00201	<0.00402	<0.00402	92.6
CS-5	3/14/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00202	0.00334	<0.00202	<0.00404	<0.00404	142
CS-6	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	132
CS-7	3/14/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00199	0.00293	<0.00199	<0.00398	<0.00398	104
CS-8	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	91.2
CS-9	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00198	0.00234	<0.00198	<0.00396	<0.00396	87.1
CS-10	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	103
CS-11	3/14/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	116
CS-12	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	116
CS-13	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00208	<0.00199	<0.00398	<0.00398	106
CS-14	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00224	<0.00200	<0.00401	<0.00401	113
CS-15	3/14/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	105
CS-16	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	115
CS-17	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	0.00201	<0.00199	<0.00398	<0.00398	109
CS-18	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00212	<0.00200	<0.00399	<0.00399	123
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

Table 1
Conoco Phillips
ZHU 2331 WC 001H (11.21.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	3/14/2023	3.0	<49.8	<49.8	<49.8	<49.8	<0.00201	0.00219	<0.00201	<0.00402	<0.00402	114
SW-2	3/14/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	115
SW-3	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	123
SW-4	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	130
SW-5	3/14/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	115
SW-6	3/14/2023	3.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	119
SW-7	3/14/2023	3.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	111
SW-8	3/14/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	149
SW-9	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	110
SW-10	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	114
SW-11	3/14/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	166
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

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

ConocoPhillips

Photograph No. 1

Facility: ZHU 2331 WC 001H (11.21.22)

County: Eddy County, New Mexico

Description:

View East, area of confirmation samples (1-3) & (5-18).



Photograph No. 2

Facility: ZHU 2331 WC 001H (11.21.22)

County: Eddy County, New Mexico

Description:

View West, area of confirmation sample 4.



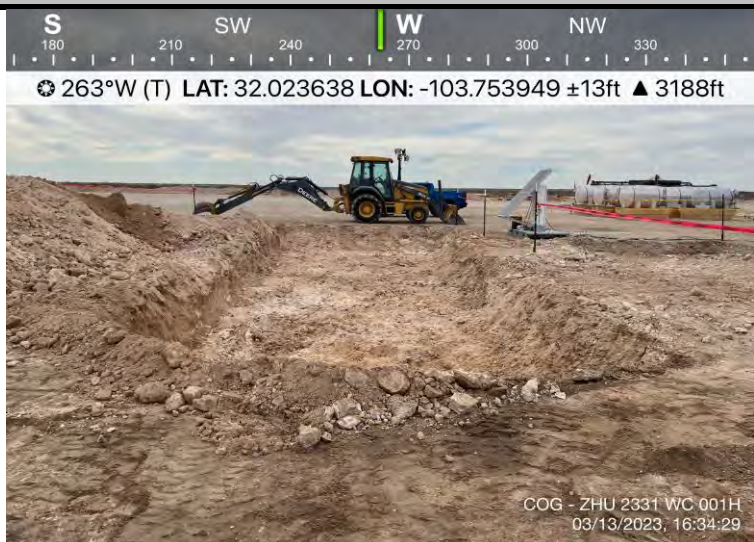
Photograph No. 3

Facility: ZHU 2331 WC 001H (11.21.22)

County: Eddy County, New Mexico

Description:

View West, area of confirmation samples (1-3) & (5-18).



APPENDIX C

CARMONA RESOURCES



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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
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Facility ID	
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Printed Name: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/10/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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Printed Name: _____ Title: _____

Signature: Justin Carlile Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/10/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Hamlet, Robert, EMNRD
Sent: Tuesday, January 31, 2023 11:07 AM
To: Conner Moehring
Cc: Mike Carmona; Carlile, Justin; Esparza, Brittany; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: (Extension Approval) - COP - ZHU 2331 WC 001H Incident #nAPP2233951077

RE: Incident #NAPP2233951077

Conner,

Your request for an extension to **April 5th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, January 30, 2023 2:09 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] COP - ZHU 2331 WC 001H Incident #nAPP2233951077

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Monday, January 30, 2023 1:48 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Carlile, Justin <Justin.Carlile@conocophillips.com>; Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: [EXTERNAL] COP - ZHU 2331 WC 001H Incident #nAPP2233951077

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

Good Afternoon,

This correspondence is to request an extension for the release at the COP – ZHU 2331 WC 001H, Incident #nAPP2233951077, in Eddy County, New Mexico. The extension request is for 45 additional days to complete the assessment and remediation around the wellheads due to equipment and completion activities. Please let us know if you have any questions regarding this site.

Conner R. Moehring
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-813-6823
Cmoehring@carmonaresources.com



From: Mike Carmona
Sent: Tuesday, March 7, 2023 8:39 AM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Conner Moehring; Carlile, Justin; Clint Merritt
Subject: COP ZHU 2331 WC 001H - 48 Hour Sampling Notification- Incident ID - NAPP2233951077

Good Morning,

On behalf of COP, Carmona Resources will collect confirmation samples for the below-referenced site on 03/09/23 around 10:00 a.m. Please let me know if you have any questions.

COP ZHU 2331 WC 001H
Incident ID - NAPP2233951077

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.96 Miles
- 2.24 Miles
- 2.79 Miles
- NMSEO Water Well
- USGS Water Well
- ZHU 2331 WC 001H (11.21.22)



ZHU 2331 WC 001H (11.21.22)

183.45' - Drilled 1998

295' - Drilled 1946

195.80' - Drilled 1964



High Karst

COG Operating

Legend

- High
- Low
- Medium
- ZHU 2331 WC 001H (11.21.22)

ZHU 2331 WC 001H (11.21.22)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02274	CUB	LE		2	1	2	31	26S	32E	621742	3541730*	4474	300	295	5
C 04637 POD1	CUB	ED		4	4	3	02	26S	31E	618068	3548423	4752	51		
C 02090	C	ED		4	4	01	26S	31E	620329	3548533*	5507	350	335	15	
C 01777	C	ED					08	26S	31E	613245	3547409*	5820	325	300	25
C 04209 POD2	C	LE		2	3	3	06	26S	32E	620818	3548657	5860	340	155	185
C 04209 POD1	CUB	LE		2	3	3	06	26S	32E	620903	3548619	5874	360	155	205
C 02248	CUB	ED		1	2	3	08	26S	31E	612942	3547316*	5999	300	292	8
C 02249	CUB	ED		1	2	3	08	26S	31E	612942	3547316*	5999	300	292	8

Average Depth to Water: **260 feet**

Minimum Depth: **155 feet**

Maximum Depth: **335 feet**

Record Count: 8

UTMNA83 Radius Search (in meters):

Easting (X): 617717

Northing (Y): 3543684

Radius: 6000

*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.

12/20/22 1:17 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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- See the [Water Data for the Nation Blog](#) for the latest news and updates.

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320016103434201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320016103434201 26S.31E.35.13131

Eddy County, New Mexico
Latitude 32°00'16", Longitude 103°43'42" NAD27
Land-surface elevation 3,143 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) 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 of measurement
1983-02-14			D 62610		2957.81	NGVD29	1		Z	
1983-02-14			D 62611		2959.40	NAVD88	1		Z	
1983-02-14			D 72019	183.60			1		Z	
1987-10-21			D 62610		2966.50	NGVD29	1		Z	
1987-10-21			D 62611		2968.09	NAVD88	1		Z	
1987-10-21			D 72019	174.91			1		Z	
1992-11-05			D 62610		2958.41	NGVD29	1		S	
1992-11-05			D 62611		2960.00	NAVD88	1		S	
1992-11-05			D 72019	183.00			1		S	
1998-01-29			D 62610		2957.96	NGVD29	1		S	
1998-01-29			D 62611		2959.55	NAVD88	1		S	
1998-01-29			D 72019	183.45			1		S	

Explanation

Section	Code	Description
---------	------	-------------

12/20/22, 2:26 PM

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

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Page Last Modified: 2022-12-20 15:25:14 EST

0.27 0.24 nadww01



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320001103433501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320001103433501 26S.31E.35.312333

Eddy County, New Mexico
Latitude 32°00'01", Longitude 103°43'35" NAD27
Land-surface elevation 3,132 feet above NAVD88
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1964-03-30			D	62610	2934.62	NGVD29	P	Z		
1964-03-30			D	62611	2936.20	NAVD88	P	Z		
1964-03-30			D	72019	195.80		P	Z		

Explanation

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

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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



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Page Last Modified: 2022-12-20 15:22:53 EST
0.35 0.31 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	02274	2	1	2	31	26S	32E	621742	3541730*		
Driller License:		Driller Company:									
Driller Name:		UNKNOWN									
Drill Start Date:		Drill Finish Date:				12/31/1946		Plug Date:			
Log File Date:		PCW Rcv Date:				Source:					
Pump Type:		Pipe Discharge Size:				Estimated Yield: 6 GPM					
Casing Size: 6.38		Depth Well:				300 feet		Depth Water:		295 feet	

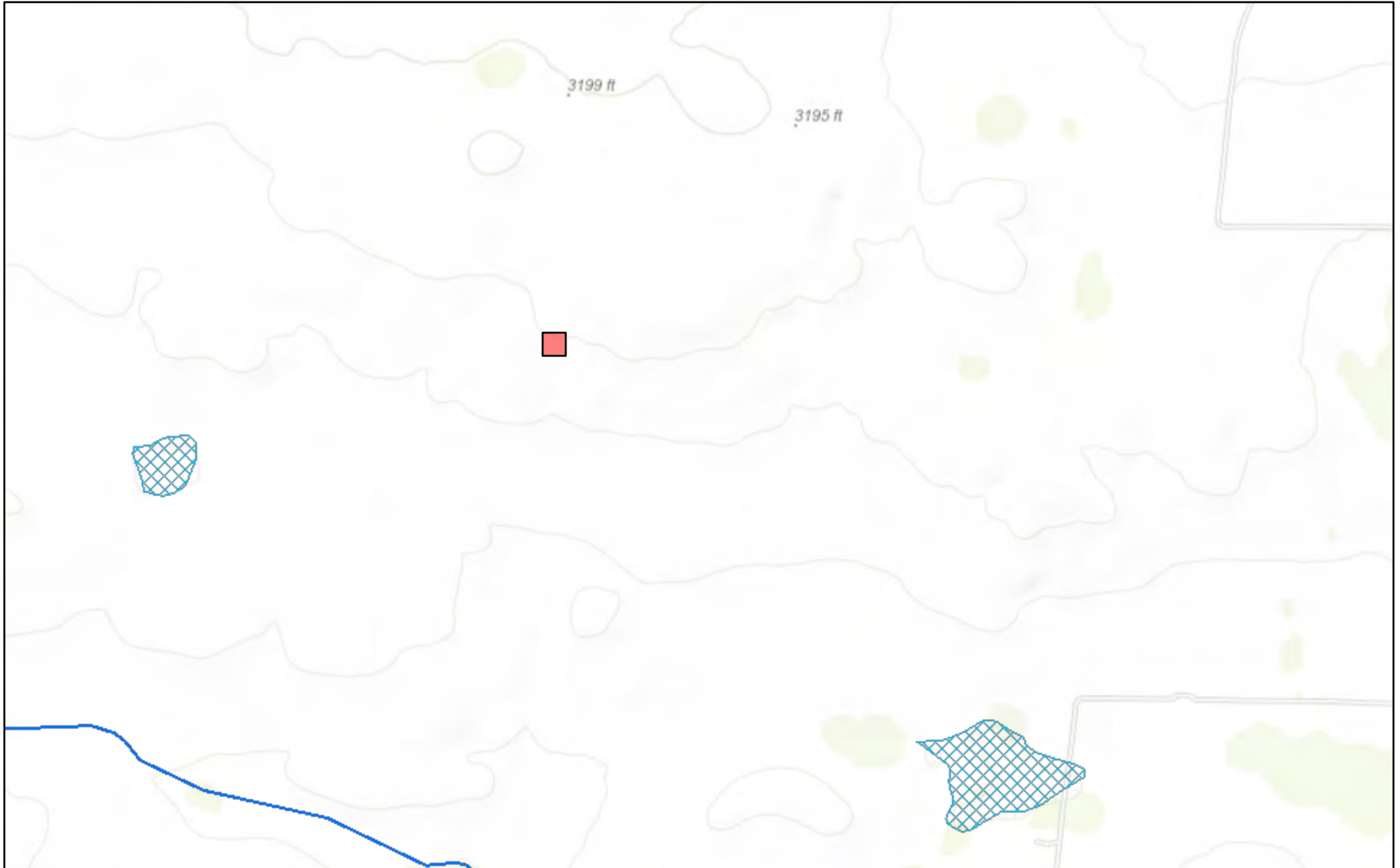
*UTM location was derived from PLSS - see Help

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.

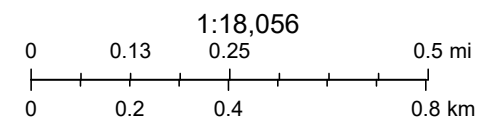
12/20/22 1:17 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



December 20, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/26/2023 8:18:17 AM

JOB DESCRIPTION

ZHU 2331 WC 001H (11.21.22)
SDG NUMBER Eddy Co, NM

JOB NUMBER

880-25962-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland**Job Notes**

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

Authorization

Generated
3/26/2023 8:18:17 AM

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

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Laboratory Job ID: 880-25962-1
SDG: Eddy Co, NM

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QC Association Summary	40
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Definitions/Glossary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Job ID: 880-25962-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-25962-1

Receipt

The samples were received on 3/15/2023 10:43 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 4.8°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CS-1 (3') (880-25962-1), CS-2 (3') (880-25962-2), CS-3 (3') (880-25962-3), CS-4 (3') (880-25962-4), CS-5 (3') (880-25962-5), CS-6 (3') (880-25962-6), CS-7 (3') (880-25962-7), CS-8 (3') (880-25962-8), CS-9 (3') (880-25962-9), CS-10 (3') (880-25962-10), CS-11 (2') (880-25962-11), CS-12 (2') (880-25962-12), CS-13 (2') (880-25962-13), CS-14 (2') (880-25962-14), CS-15 (2') (880-25962-15), CS-16 (2') (880-25962-16), CS-17 (2') (880-25962-17), CS-18 (2') (880-25962-18), SW-1 (3') (880-25962-19), SW-2 (3') (880-25962-20), SW-3 (3') (880-25962-21), SW-4 (3') (880-25962-22), SW-5 (3') (880-25962-23), SW-6 (3') (880-25962-24), SW-7 (3') (880-25962-25), SW-8 (1') (880-25962-26), SW-9 (2') (880-25962-27), SW-10 (2') (880-25962-28) and SW-11 (2') (880-25962-29).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-48703/20), (CCV 880-48703/31), (CCV 880-48703/5), (LCS 880-48671/2-A) and (LCSD 880-48671/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-25962-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48680 and analytical batch 880-48705 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-48680/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW-9 (2') (880-25962-27) and SW-10 (2') (880-25962-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-48680 and analytical batch 880-48705 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike (MS) recoveries for preparation batch 880-48733 and analytical batch 880-48850 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: SW-3 (3') (880-25962-21), SW-4 (3') (880-25962-22), SW-5 (3') (880-25962-23), SW-6 (3') (880-25962-24), SW-7 (3') (880-25962-25), SW-8 (1') (880-25962-26), SW-9 (2') (880-25962-27), SW-10 (2') (880-25962-28) and SW-11 (2') (880-25962-29).

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: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-25962-1

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 14:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 14:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 14:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/20/23 14:55	03/25/23 14:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 14:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/20/23 14:55	03/25/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/20/23 14:55	03/25/23 14:01	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/20/23 14:55	03/25/23 14:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/26/23 08:48	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			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 11:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 11:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/15/23 13:37	03/16/23 11:09	1
o-Terphenyl	102		70 - 130	03/15/23 13:37	03/16/23 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.4		5.03		mg/Kg			03/17/23 18:06	1

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-25962-2

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 14:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 14:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 14:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 14:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 14:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	03/20/23 14:55	03/25/23 14:21	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/20/23 14:55	03/25/23 14:21	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-25962-2

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/15/23 13:37	03/16/23 12:16	1
o-Terphenyl	106		70 - 130				03/15/23 13:37	03/16/23 12:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95.9		5.00		mg/Kg			03/17/23 18:21	1

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-25962-3

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
Toluene	0.00230		0.00198		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				03/20/23 14:55	03/25/23 14:42	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/20/23 14:55	03/25/23 14:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 12:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 12:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-25962-3

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/15/23 13:37	03/16/23 12:37	1
o-Terphenyl	100		70 - 130				03/15/23 13:37	03/16/23 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		5.05		mg/Kg			03/17/23 18:26	1

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-25962-4

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
Toluene	0.00259		0.00201		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/20/23 14:55	03/25/23 15:02	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/20/23 14:55	03/25/23 15:02	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/15/23 13:37	03/16/23 12:59	1
o-Terphenyl	103		70 - 130				03/15/23 13:37	03/16/23 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.6		4.95		mg/Kg			03/17/23 18:31	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-25962-5

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
Toluene	0.00334		0.00202		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/20/23 14:55	03/25/23 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				03/20/23 14:55	03/25/23 15:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/20/23 14:55	03/25/23 15:23	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 13:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 13:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/15/23 13:37	03/16/23 13:21	1
o-Terphenyl	84		70 - 130				03/15/23 13:37	03/16/23 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	142		5.03		mg/Kg			03/17/23 18:35	1

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-25962-6

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/20/23 14:55	03/25/23 15:43	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/20/23 14:55	03/25/23 15:43	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-25962-6

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/15/23 13:37	03/16/23 13:43	1
o-Terphenyl	95		70 - 130				03/15/23 13:37	03/16/23 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	132		5.05		mg/Kg			03/17/23 18:50	1

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-25962-7

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
Toluene	0.00293		0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/20/23 14:55	03/25/23 16:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/20/23 14:55	03/25/23 16:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/26/23 08:48	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			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 14:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-25962-7

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/15/23 13:37	03/16/23 14:04	1
o-Terphenyl	103		70 - 130				03/15/23 13:37	03/16/23 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		4.98		mg/Kg			03/17/23 18:55	1

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-25962-8

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				03/20/23 14:55	03/25/23 16:24	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/20/23 14:55	03/25/23 16:24	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/15/23 13:37	03/16/23 14:26	1
o-Terphenyl	99		70 - 130				03/15/23 13:37	03/16/23 14:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.2		4.96		mg/Kg			03/17/23 19:00	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-25962-9

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
Toluene	0.00234		0.00198		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/20/23 14:55	03/25/23 16:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/20/23 14:55	03/25/23 16:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/15/23 13:37	03/16/23 14:48	1
o-Terphenyl	94		70 - 130				03/15/23 13:37	03/16/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.1		5.01		mg/Kg			03/17/23 19:04	1

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-25962-10

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/20/23 14:55	03/25/23 17:05	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/20/23 14:55	03/25/23 17:05	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-25962-10

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 15:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 15:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/15/23 13:37	03/16/23 15:09	1
o-Terphenyl	87		70 - 130				03/15/23 13:37	03/16/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.97		mg/Kg			03/17/23 19:09	1

Client Sample ID: CS-11 (2')

Lab Sample ID: 880-25962-11

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/20/23 14:55	03/25/23 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/20/23 14:55	03/25/23 18:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/20/23 14:55	03/25/23 18:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 16:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 16:09	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-11 (2')

Lab Sample ID: 880-25962-11

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 16:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/15/23 13:37	03/16/23 16:09	1
o-Terphenyl	90		70 - 130				03/15/23 13:37	03/16/23 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.95		mg/Kg			03/17/23 19:14	1

Client Sample ID: CS-12 (2')

Lab Sample ID: 880-25962-12

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/20/23 14:55	03/25/23 19:16	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/20/23 14:55	03/25/23 19:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				03/15/23 13:37	03/16/23 16:30	1
o-Terphenyl	83		70 - 130				03/15/23 13:37	03/16/23 16:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		5.04		mg/Kg			03/17/23 19:29	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-13 (2')

Lab Sample ID: 880-25962-13

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
Toluene	0.00208		0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/20/23 14:55	03/25/23 19:36	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/20/23 14:55	03/25/23 19:36	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/15/23 13:37	03/16/23 16:52	1
o-Terphenyl	99		70 - 130				03/15/23 13:37	03/16/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.02		mg/Kg			03/17/23 19:33	1

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-25962-14

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
Toluene	0.00224		0.00200		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/20/23 14:55	03/25/23 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/20/23 14:55	03/25/23 19:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/20/23 14:55	03/25/23 19:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (2')

Lab Sample ID: 880-25962-14

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/15/23 13:37	03/16/23 17:13	1
o-Terphenyl	97		70 - 130				03/15/23 13:37	03/16/23 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		4.99		mg/Kg			03/17/23 19:48	1

Client Sample ID: CS-15 (2')

Lab Sample ID: 880-25962-15

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/20/23 14:55	03/25/23 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				03/20/23 14:55	03/25/23 20:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/20/23 14:55	03/25/23 20:17	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 17:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 17:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-15 (2')

Lab Sample ID: 880-25962-15

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 17:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/15/23 13:37	03/16/23 17:35	1
o-Terphenyl	94		70 - 130				03/15/23 13:37	03/16/23 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		4.97		mg/Kg			03/17/23 19:53	1

Client Sample ID: CS-16 (2')

Lab Sample ID: 880-25962-16

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				03/20/23 14:55	03/25/23 20:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/20/23 14:55	03/25/23 20:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/15/23 13:37	03/16/23 17:57	1
o-Terphenyl	94		70 - 130				03/15/23 13:37	03/16/23 17:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.00		mg/Kg			03/17/23 19:58	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (2')

Lab Sample ID: 880-25962-17

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
Toluene	0.00201		0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:55	03/25/23 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				03/20/23 14:55	03/25/23 20:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/20/23 14:55	03/25/23 20:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/15/23 13:37	03/16/23 18:19	1
o-Terphenyl	94		70 - 130				03/15/23 13:37	03/16/23 18:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.96		mg/Kg			03/17/23 20:02	1

Client Sample ID: CS-18 (2')

Lab Sample ID: 880-25962-18

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
Toluene	0.00212		0.00200		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/20/23 14:55	03/25/23 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				03/20/23 14:55	03/25/23 21:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130				03/20/23 14:55	03/25/23 21:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-18 (2')

Lab Sample ID: 880-25962-18

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:37	03/16/23 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/15/23 13:37	03/16/23 18:40	1
o-Terphenyl	112		70 - 130				03/15/23 13:37	03/16/23 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.05		mg/Kg			03/17/23 20:07	1

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-25962-19

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
Toluene	0.00219		0.00201		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:55	03/25/23 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				03/20/23 14:55	03/25/23 21:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/20/23 14:55	03/25/23 21:39	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			03/26/23 08:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 19:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 19:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-1 (3')

Lab Sample ID: 880-25962-19

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/23 13:37	03/16/23 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/15/23 13:37	03/16/23 19:01	1
o-Terphenyl	117		70 - 130				03/15/23 13:37	03/16/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.02		mg/Kg			03/17/23 20:12	1

Client Sample ID: SW-2 (3')

Lab Sample ID: 880-25962-20

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/20/23 14:55	03/25/23 22:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				03/20/23 14:55	03/25/23 22:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130				03/20/23 14:55	03/25/23 22:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/26/23 08:48	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			03/17/23 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				03/15/23 13:37	03/16/23 19:23	1
o-Terphenyl	99		70 - 130				03/15/23 13:37	03/16/23 19:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.01		mg/Kg			03/17/23 20:17	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-25962-21

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 06:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 06:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 06:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 06:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 06:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 06:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/20/23 14:56	03/25/23 06:06	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/20/23 14:56	03/25/23 06:06	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			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 11:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 11:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/15/23 13:55	03/16/23 11:09	1
o-Terphenyl	121		70 - 130	03/15/23 13:55	03/16/23 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	123		5.00		mg/Kg			03/17/23 13:46	1

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-25962-22

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/20/23 14:56	03/25/23 06:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/20/23 14:56	03/25/23 06:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/20/23 14:56	03/25/23 06:27	1
1,4-Difluorobenzene (Surr)	92		70 - 130	03/20/23 14:56	03/25/23 06:27	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-25962-22

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 12:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 12:16	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/15/23 13:55	03/16/23 12:16	1
o-Terphenyl	115		70 - 130				03/15/23 13:55	03/16/23 12:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.98		mg/Kg			03/17/23 13:51	1

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-25962-23

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/20/23 14:56	03/25/23 06:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				03/20/23 14:56	03/25/23 06:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/20/23 14:56	03/25/23 06:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-25962-23

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/15/23 13:55	03/16/23 12:37	1
o-Terphenyl	111		70 - 130				03/15/23 13:55	03/16/23 12:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		4.95		mg/Kg			03/17/23 14:06	1

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-25962-24

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 07:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				03/20/23 14:56	03/25/23 07:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/20/23 14:56	03/25/23 07:08	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			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				03/15/23 13:55	03/16/23 12:59	1
o-Terphenyl	110		70 - 130				03/15/23 13:55	03/16/23 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		5.02		mg/Kg			03/17/23 14:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-25962-25

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 08:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				03/20/23 14:56	03/25/23 08:31	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/20/23 14:56	03/25/23 08:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/15/23 13:55	03/16/23 13:21	1
o-Terphenyl	117		70 - 130				03/15/23 13:55	03/16/23 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		4.97		mg/Kg			03/17/23 14:15	1

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-25962-26

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/20/23 14:56	03/25/23 08:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				03/20/23 14:56	03/25/23 08:52	1
1,4-Difluorobenzene (Surr)	77		70 - 130				03/20/23 14:56	03/25/23 08:52	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-25962-26

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/15/23 13:55	03/16/23 13:43	1
o-Terphenyl	115		70 - 130				03/15/23 13:55	03/16/23 13:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	149		4.96		mg/Kg			03/17/23 14:20	1

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-25962-27

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/20/23 14:56	03/25/23 09:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				03/20/23 14:56	03/25/23 09:12	1
1,4-Difluorobenzene (Surr)	81		70 - 130				03/20/23 14:56	03/25/23 09:12	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			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 14:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/15/23 13:55	03/16/23 14:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-25962-27

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/15/23 13:55	03/16/23 14:04	1
o-Terphenyl	134	S1+	70 - 130				03/15/23 13:55	03/16/23 14:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		5.04		mg/Kg			03/17/23 14:25	1

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-25962-28

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 09:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				03/20/23 14:56	03/25/23 09:33	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/20/23 14:56	03/25/23 09:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/15/23 13:55	03/16/23 14:26	1
o-Terphenyl	134	S1+	70 - 130				03/15/23 13:55	03/16/23 14:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.05		mg/Kg			03/17/23 14:30	1

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Client Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-25962-29

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 09:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 14:56	03/25/23 09:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 14:56	03/25/23 09:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	03/20/23 14:56	03/25/23 09:53	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/20/23 14:56	03/25/23 09:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/25/23 16:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/23 15:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 13:55	03/16/23 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/15/23 13:55	03/16/23 14:48	1
o-Terphenyl	114		70 - 130	03/15/23 13:55	03/16/23 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	166		4.97		mg/Kg			03/17/23 14:35	1

Surrogate Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-25961-A-21-F MS	Matrix Spike	123	105
880-25961-A-21-G MSD	Matrix Spike Duplicate	116	107
880-25962-1	CS-1 (3')	112	100
880-25962-2	CS-2 (3')	124	104
880-25962-3	CS-3 (3')	125	105
880-25962-4	CS-4 (3')	124	105
880-25962-5	CS-5 (3')	126	101
880-25962-6	CS-6 (3')	120	104
880-25962-7	CS-7 (3')	127	105
880-25962-8	CS-8 (3')	117	101
880-25962-9	CS-9 (3')	121	102
880-25962-10	CS-10 (3')	121	105
880-25962-11	CS-11 (2')	120	104
880-25962-12	CS-12 (2')	124	104
880-25962-13	CS-13 (2')	124	105
880-25962-14	CS-14 (2')	120	102
880-25962-15	CS-15 (2')	127	102
880-25962-16	CS-16 (2')	126	104
880-25962-17	CS-17 (2')	120	103
880-25962-18	CS-18 (2')	124	99
880-25962-19	SW-1 (3')	123	103
880-25962-20	SW-2 (3')	125	104
880-25962-21	SW-3 (3')	90	99
880-25962-22	SW-4 (3')	97	92
880-25962-23	SW-5 (3')	95	90
880-25962-24	SW-6 (3')	99	93
880-25962-25	SW-7 (3')	83	98
880-25962-26	SW-8 (1')	92	77
880-25962-27	SW-9 (2')	93	81
880-25962-28	SW-10 (2')	100	93
880-25962-29	SW-11 (2')	93	93
LCS 880-49024/1-A	Lab Control Sample	116	108
LCS 880-49025/1-A	Lab Control Sample	114	107
LCSD 880-49024/2-A	Lab Control Sample Dup	117	107
LCSD 880-49025/2-A	Lab Control Sample Dup	116	104
MB 880-49024/5-A	Method Blank	101	101
MB 880-49025/5-A	Method Blank	76	78
MB 880-49248/5-A	Method Blank	83	93
MB 880-49337/5-A	Method Blank	101	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Carmona Resources
 Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
 SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		BFB1	DFBZ1						
Lab Sample ID	Client Sample ID								
880-25962-1 MS	CS-1 (3')								
880-25962-1 MSD	CS-1 (3')								
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)					
		1CO1	OTPH1				
Lab Sample ID	Client Sample ID	(70-130)	(70-130)				
880-25962-1	CS-1 (3')	109	102				
880-25962-1 MS	CS-1 (3')	131 S1+	102				
880-25962-1 MSD	CS-1 (3')	126	96				
880-25962-2	CS-2 (3')	116	106				
880-25962-3	CS-3 (3')	113	100				
880-25962-4	CS-4 (3')	112	103				
880-25962-5	CS-5 (3')	94	84				
880-25962-6	CS-6 (3')	108	95				
880-25962-7	CS-7 (3')	108	103				
880-25962-8	CS-8 (3')	115	99				
880-25962-9	CS-9 (3')	106	94				
880-25962-10	CS-10 (3')	98	87				
880-25962-11	CS-11 (2')	96	90				
880-25962-12	CS-12 (2')	91	83				
880-25962-13	CS-13 (2')	110	99				
880-25962-14	CS-14 (2')	109	97				
880-25962-15	CS-15 (2')	109	94				
880-25962-16	CS-16 (2')	97	94				
880-25962-17	CS-17 (2')	100	94				
880-25962-18	CS-18 (2')	112	112				
880-25962-19	SW-1 (3')	117	117				
880-25962-20	SW-2 (3')	114	99				
880-25962-21	SW-3 (3')	105	121				
880-25962-21 MS	SW-3 (3')	112	117				
880-25962-21 MSD	SW-3 (3')	115	121				
880-25962-22	SW-4 (3')	98	115				
880-25962-23	SW-5 (3')	95	111				
880-25962-24	SW-6 (3')	96	110				
880-25962-25	SW-7 (3')	101	117				
880-25962-26	SW-8 (1')	98	115				
880-25962-27	SW-9 (2')	117	134 S1+				
880-25962-28	SW-10 (2')	117	134 S1+				
880-25962-29	SW-11 (2')	98	114				
LCS 880-48671/2-A	Lab Control Sample	133 S1+	117				
LCS 880-48680/2-A	Lab Control Sample	119	134 S1+				
LCSD 880-48671/3-A	Lab Control Sample Dup	137 S1+	124				
LCSD 880-48680/3-A	Lab Control Sample Dup	94	111				
MB 880-48671/1-A	Method Blank	107	108				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-25962-1

Project/Site: ZHU 2331 WC 001H (11.21.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-48680/1-A	Method Blank	119	142 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49024/5-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 13:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 13:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/20/23 14:55	03/25/23 13:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:55	03/25/23 13:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/20/23 14:55	03/25/23 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/20/23 14:55	03/25/23 13:32	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/20/23 14:55	03/25/23 13:32	1

Lab Sample ID: LCS 880-49024/1-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1040		mg/Kg		104	70 - 130
Toluene	0.100	0.09996		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09033		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1787		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09204		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-49024/2-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49024

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1096		mg/Kg		110	70 - 130	5	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.09425		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1845		mg/Kg		92	70 - 130	3	35
o-Xylene	0.100	0.09475		mg/Kg		95	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 880-25962-1 MS

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 49024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.02768		mg/Kg			
Toluene	<0.00202	U	0.100	0.03409		mg/Kg			

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-25962-1 MS

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 49024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.02008		mg/Kg			
m-Xylene & p-Xylene	<0.00403	U	0.201	0.04927		mg/Kg			
o-Xylene	<0.00202	U	0.100	0.03632		mg/Kg			

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: 880-25962-1 MSD

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 49024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0990	0.05948		mg/Kg					
Toluene	<0.00202	U	0.0990	0.05733		mg/Kg					
Ethylbenzene	<0.00202	U	0.0990	0.04338		mg/Kg					
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1055		mg/Kg					
o-Xylene	<0.00202	U	0.0990	0.05643		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)			
1,4-Difluorobenzene (Surr)			

Lab Sample ID: MB 880-49025/5-A

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49025

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 03:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/20/23 14:56	03/25/23 03:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 14:56	03/25/23 03:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/20/23 14:56	03/25/23 03:42	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	03/20/23 14:56	03/25/23 03:42	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/20/23 14:56	03/25/23 03:42	1

Lab Sample ID: LCS 880-49025/1-A

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09450		mg/Kg		94	70 - 130
Toluene	0.100	0.09167		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09686		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2094		mg/Kg		105	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-49025/1-A

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49025

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1094		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-49025/2-A

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49025

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08851		mg/Kg		89	70 - 130	7	35
Toluene	0.100	0.08531		mg/Kg		85	70 - 130	7	35
Ethylbenzene	0.100	0.08812		mg/Kg		88	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1932		mg/Kg		97	70 - 130	8	35
o-Xylene	0.100	0.09978		mg/Kg		100	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-25961-A-21-F MS

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49025

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.100	0.06286	F1	mg/Kg		63	70 - 130
Toluene	<0.00201	U F1	0.100	0.06171	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00201	U F1	0.100	0.06784	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1440		mg/Kg		72	70 - 130
o-Xylene	<0.00201	U	0.100	0.07345		mg/Kg		73	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-25961-A-21-G MSD

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49025

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.0990	0.07883		mg/Kg		80	70 - 130	23	35
Toluene	<0.00201	U F1	0.0990	0.07630		mg/Kg		77	70 - 130	21	35
Ethylbenzene	<0.00201	U F1	0.0990	0.08026		mg/Kg		81	70 - 130	17	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.1712		mg/Kg		86	70 - 130	17	35
o-Xylene	<0.00201	U	0.0990	0.08601		mg/Kg		87	70 - 130	16	35

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-25961-A-21-G MSD

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 49025

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-49248/5-A

Matrix: Solid

Analysis Batch: 49405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49248

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/22/23 16:40	03/24/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				03/22/23 16:40	03/24/23 17:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/22/23 16:40	03/24/23 17:05	1

Lab Sample ID: MB 880-49337/5-A

Matrix: Solid

Analysis Batch: 49375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49337

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/23/23 14:58	03/25/23 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/23/23 14:58	03/25/23 01:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/23/23 14:58	03/25/23 01:09	1

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

Lab Sample ID: MB 880-48671/1-A

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48671

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:37	03/16/23 08:32	1

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-48671/1-A

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48671

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/15/23 13:37	03/16/23 08:32	1
o-Terphenyl	108		70 - 130	03/15/23 13:37	03/16/23 08:32	1

Lab Sample ID: LCS 880-48671/2-A

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48671

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1071		mg/Kg		107	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1250		mg/Kg		125	70 - 130		

	LCS	LCS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	133	S1+	70 - 130			
o-Terphenyl	117		70 - 130			

Lab Sample ID: LCSD 880-48671/3-A

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48671

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	977.3		mg/Kg		98	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)			1000	1291		mg/Kg		129	70 - 130	3	20	

	LCSD	LCSD				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	137	S1+	70 - 130			
o-Terphenyl	124		70 - 130			

Lab Sample ID: 880-25962-1 MS

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 48671

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	958.7		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	975.9		mg/Kg		98	70 - 130		

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	131	S1+	70 - 130			
o-Terphenyl	102		70 - 130			

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-25962-1 MSD

Matrix: Solid

Analysis Batch: 48703

Client Sample ID: CS-1 (3')

Prep Type: Total/NA

Prep Batch: 48671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1106		mg/Kg		108	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	997	949.9		mg/Kg		95	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	126		70 - 130								
o-Terphenyl	96		70 - 130								

Lab Sample ID: MB 880-48680/1-A

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48680

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		03/15/23 13:55	03/16/23 08:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 08:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 13:55	03/16/23 08:32	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				03/15/23 13:55	03/16/23 08:32	1
o-Terphenyl	142	S1+	70 - 130				03/15/23 13:55	03/16/23 08:32	1

Lab Sample ID: LCS 880-48680/2-A

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	887.3		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	998.9		mg/Kg		100	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	134	S1+	70 - 130						

Lab Sample ID: LCSD 880-48680/3-A

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	957.8		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	798.3	*1	mg/Kg		80	70 - 130	22	20

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-48680/3-A

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48680

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-25962-21 MS

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: SW-3 (3')

Prep Type: Total/NA

Prep Batch: 48680

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	958.6		mg/Kg		93	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U *1	998	1024		mg/Kg		103	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	112		70 - 130							
o-Terphenyl	117		70 - 130							

Lab Sample ID: 880-25962-21 MSD

Matrix: Solid

Analysis Batch: 48705

Client Sample ID: SW-3 (3')

Prep Type: Total/NA

Prep Batch: 48680

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	992.1		mg/Kg		97	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U *1	999	1058		mg/Kg		106	70 - 130	3	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	115		70 - 130									
o-Terphenyl	121		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48733/1-A

Matrix: Solid

Analysis Batch: 48850

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			03/17/23 12:10	1	

Lab Sample ID: LCS 880-48733/2-A

Matrix: Solid

Analysis Batch: 48850

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	255.2		mg/Kg		102	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-48733/3-A

Matrix: Solid

Analysis Batch: 48850

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.2		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-4334-A-1-B MS

Matrix: Solid

Analysis Batch: 48850

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42.3		249	291.5		mg/Kg		100	90 - 110		

Lab Sample ID: 890-4334-A-1-C MSD

Matrix: Solid

Analysis Batch: 48850

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	42.3		249	291.6		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-48732/1-A

Matrix: Solid

Analysis Batch: 48851

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			03/17/23 17:52	1

Lab Sample ID: LCS 880-48732/2-A

Matrix: Solid

Analysis Batch: 48851

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	261.0		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-48732/3-A

Matrix: Solid

Analysis Batch: 48851

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	263.1		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-25962-1 MS

Matrix: Solid

Analysis Batch: 48851

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.4		252	358.5		mg/Kg		109	90 - 110		

Lab Sample ID: 880-25962-1 MSD

Matrix: Solid

Analysis Batch: 48851

Client Sample ID: CS-1 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.4		252	359.1		mg/Kg		109	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25962-11 MS

Client Sample ID: CS-11 (2')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 48851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	116		248	379.9		mg/Kg		106	90 - 110

Lab Sample ID: 880-25962-11 MSD

Client Sample ID: CS-11 (2')

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 48851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	116		248	380.0		mg/Kg		107	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 49024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	5035	
880-25962-2	CS-2 (3')	Total/NA	Solid	5035	
880-25962-3	CS-3 (3')	Total/NA	Solid	5035	
880-25962-4	CS-4 (3')	Total/NA	Solid	5035	
880-25962-5	CS-5 (3')	Total/NA	Solid	5035	
880-25962-6	CS-6 (3')	Total/NA	Solid	5035	
880-25962-7	CS-7 (3')	Total/NA	Solid	5035	
880-25962-8	CS-8 (3')	Total/NA	Solid	5035	
880-25962-9	CS-9 (3')	Total/NA	Solid	5035	
880-25962-10	CS-10 (3')	Total/NA	Solid	5035	
880-25962-11	CS-11 (2')	Total/NA	Solid	5035	
880-25962-12	CS-12 (2')	Total/NA	Solid	5035	
880-25962-13	CS-13 (2')	Total/NA	Solid	5035	
880-25962-14	CS-14 (2')	Total/NA	Solid	5035	
880-25962-15	CS-15 (2')	Total/NA	Solid	5035	
880-25962-16	CS-16 (2')	Total/NA	Solid	5035	
880-25962-17	CS-17 (2')	Total/NA	Solid	5035	
880-25962-18	CS-18 (2')	Total/NA	Solid	5035	
880-25962-19	SW-1 (3')	Total/NA	Solid	5035	
880-25962-20	SW-2 (3')	Total/NA	Solid	5035	
MB 880-49024/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49024/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49024/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25962-1 MS	CS-1 (3')	Total/NA	Solid	5035	
880-25962-1 MSD	CS-1 (3')	Total/NA	Solid	5035	

Prep Batch: 49025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Total/NA	Solid	5035	
880-25962-22	SW-4 (3')	Total/NA	Solid	5035	
880-25962-23	SW-5 (3')	Total/NA	Solid	5035	
880-25962-24	SW-6 (3')	Total/NA	Solid	5035	
880-25962-25	SW-7 (3')	Total/NA	Solid	5035	
880-25962-26	SW-8 (1')	Total/NA	Solid	5035	
880-25962-27	SW-9 (2')	Total/NA	Solid	5035	
880-25962-28	SW-10 (2')	Total/NA	Solid	5035	
880-25962-29	SW-11 (2')	Total/NA	Solid	5035	
MB 880-49025/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49025/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49025/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25961-A-21-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25961-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 49248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49248/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49337/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 49375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	8021B	49024
880-25962-2	CS-2 (3')	Total/NA	Solid	8021B	49024
880-25962-3	CS-3 (3')	Total/NA	Solid	8021B	49024
880-25962-4	CS-4 (3')	Total/NA	Solid	8021B	49024
880-25962-5	CS-5 (3')	Total/NA	Solid	8021B	49024
880-25962-6	CS-6 (3')	Total/NA	Solid	8021B	49024
880-25962-7	CS-7 (3')	Total/NA	Solid	8021B	49024
880-25962-8	CS-8 (3')	Total/NA	Solid	8021B	49024
880-25962-9	CS-9 (3')	Total/NA	Solid	8021B	49024
880-25962-10	CS-10 (3')	Total/NA	Solid	8021B	49024
880-25962-11	CS-11 (2')	Total/NA	Solid	8021B	49024
880-25962-12	CS-12 (2')	Total/NA	Solid	8021B	49024
880-25962-13	CS-13 (2')	Total/NA	Solid	8021B	49024
880-25962-14	CS-14 (2')	Total/NA	Solid	8021B	49024
880-25962-15	CS-15 (2')	Total/NA	Solid	8021B	49024
880-25962-16	CS-16 (2')	Total/NA	Solid	8021B	49024
880-25962-17	CS-17 (2')	Total/NA	Solid	8021B	49024
880-25962-18	CS-18 (2')	Total/NA	Solid	8021B	49024
880-25962-19	SW-1 (3')	Total/NA	Solid	8021B	49024
880-25962-20	SW-2 (3')	Total/NA	Solid	8021B	49024
MB 880-49024/5-A	Method Blank	Total/NA	Solid	8021B	49024
MB 880-49337/5-A	Method Blank	Total/NA	Solid	8021B	49337
LCS 880-49024/1-A	Lab Control Sample	Total/NA	Solid	8021B	49024
LCSD 880-49024/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49024
880-25962-1 MS	CS-1 (3')	Total/NA	Solid	8021B	49024
880-25962-1 MSD	CS-1 (3')	Total/NA	Solid	8021B	49024

Analysis Batch: 49405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Total/NA	Solid	8021B	49025
880-25962-22	SW-4 (3')	Total/NA	Solid	8021B	49025
880-25962-23	SW-5 (3')	Total/NA	Solid	8021B	49025
880-25962-24	SW-6 (3')	Total/NA	Solid	8021B	49025
880-25962-25	SW-7 (3')	Total/NA	Solid	8021B	49025
880-25962-26	SW-8 (1')	Total/NA	Solid	8021B	49025
880-25962-27	SW-9 (2')	Total/NA	Solid	8021B	49025
880-25962-28	SW-10 (2')	Total/NA	Solid	8021B	49025
880-25962-29	SW-11 (2')	Total/NA	Solid	8021B	49025
MB 880-49025/5-A	Method Blank	Total/NA	Solid	8021B	49025
MB 880-49248/5-A	Method Blank	Total/NA	Solid	8021B	49248
LCS 880-49025/1-A	Lab Control Sample	Total/NA	Solid	8021B	49025
LCSD 880-49025/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49025
880-25961-A-21-F MS	Matrix Spike	Total/NA	Solid	8021B	49025
880-25961-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	49025

Analysis Batch: 49502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	Total BTEX	
880-25962-2	CS-2 (3')	Total/NA	Solid	Total BTEX	
880-25962-3	CS-3 (3')	Total/NA	Solid	Total BTEX	
880-25962-4	CS-4 (3')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

GC VOA (Continued)

Analysis Batch: 49502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-5	CS-5 (3')	Total/NA	Solid	Total BTEX	
880-25962-6	CS-6 (3')	Total/NA	Solid	Total BTEX	
880-25962-7	CS-7 (3')	Total/NA	Solid	Total BTEX	
880-25962-8	CS-8 (3')	Total/NA	Solid	Total BTEX	
880-25962-9	CS-9 (3')	Total/NA	Solid	Total BTEX	
880-25962-10	CS-10 (3')	Total/NA	Solid	Total BTEX	
880-25962-11	CS-11 (2')	Total/NA	Solid	Total BTEX	
880-25962-12	CS-12 (2')	Total/NA	Solid	Total BTEX	
880-25962-13	CS-13 (2')	Total/NA	Solid	Total BTEX	
880-25962-14	CS-14 (2')	Total/NA	Solid	Total BTEX	
880-25962-15	CS-15 (2')	Total/NA	Solid	Total BTEX	
880-25962-16	CS-16 (2')	Total/NA	Solid	Total BTEX	
880-25962-17	CS-17 (2')	Total/NA	Solid	Total BTEX	
880-25962-18	CS-18 (2')	Total/NA	Solid	Total BTEX	
880-25962-19	SW-1 (3')	Total/NA	Solid	Total BTEX	
880-25962-20	SW-2 (3')	Total/NA	Solid	Total BTEX	
880-25962-21	SW-3 (3')	Total/NA	Solid	Total BTEX	
880-25962-22	SW-4 (3')	Total/NA	Solid	Total BTEX	
880-25962-23	SW-5 (3')	Total/NA	Solid	Total BTEX	
880-25962-24	SW-6 (3')	Total/NA	Solid	Total BTEX	
880-25962-25	SW-7 (3')	Total/NA	Solid	Total BTEX	
880-25962-26	SW-8 (1')	Total/NA	Solid	Total BTEX	
880-25962-27	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-25962-28	SW-10 (2')	Total/NA	Solid	Total BTEX	
880-25962-29	SW-11 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 48671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-25962-2	CS-2 (3')	Total/NA	Solid	8015NM Prep	
880-25962-3	CS-3 (3')	Total/NA	Solid	8015NM Prep	
880-25962-4	CS-4 (3')	Total/NA	Solid	8015NM Prep	
880-25962-5	CS-5 (3')	Total/NA	Solid	8015NM Prep	
880-25962-6	CS-6 (3')	Total/NA	Solid	8015NM Prep	
880-25962-7	CS-7 (3')	Total/NA	Solid	8015NM Prep	
880-25962-8	CS-8 (3')	Total/NA	Solid	8015NM Prep	
880-25962-9	CS-9 (3')	Total/NA	Solid	8015NM Prep	
880-25962-10	CS-10 (3')	Total/NA	Solid	8015NM Prep	
880-25962-11	CS-11 (2')	Total/NA	Solid	8015NM Prep	
880-25962-12	CS-12 (2')	Total/NA	Solid	8015NM Prep	
880-25962-13	CS-13 (2')	Total/NA	Solid	8015NM Prep	
880-25962-14	CS-14 (2')	Total/NA	Solid	8015NM Prep	
880-25962-15	CS-15 (2')	Total/NA	Solid	8015NM Prep	
880-25962-16	CS-16 (2')	Total/NA	Solid	8015NM Prep	
880-25962-17	CS-17 (2')	Total/NA	Solid	8015NM Prep	
880-25962-18	CS-18 (2')	Total/NA	Solid	8015NM Prep	
880-25962-19	SW-1 (3')	Total/NA	Solid	8015NM Prep	
880-25962-20	SW-2 (3')	Total/NA	Solid	8015NM Prep	
MB 880-48671/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 48671 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-48671/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48671/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25962-1 MS	CS-1 (3')	Total/NA	Solid	8015NM Prep	
880-25962-1 MSD	CS-1 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 48680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-25962-22	SW-4 (3')	Total/NA	Solid	8015NM Prep	
880-25962-23	SW-5 (3')	Total/NA	Solid	8015NM Prep	
880-25962-24	SW-6 (3')	Total/NA	Solid	8015NM Prep	
880-25962-25	SW-7 (3')	Total/NA	Solid	8015NM Prep	
880-25962-26	SW-8 (1')	Total/NA	Solid	8015NM Prep	
880-25962-27	SW-9 (2')	Total/NA	Solid	8015NM Prep	
880-25962-28	SW-10 (2')	Total/NA	Solid	8015NM Prep	
880-25962-29	SW-11 (2')	Total/NA	Solid	8015NM Prep	
MB 880-48680/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48680/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48680/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25962-21 MS	SW-3 (3')	Total/NA	Solid	8015NM Prep	
880-25962-21 MSD	SW-3 (3')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	8015B NM	48671
880-25962-2	CS-2 (3')	Total/NA	Solid	8015B NM	48671
880-25962-3	CS-3 (3')	Total/NA	Solid	8015B NM	48671
880-25962-4	CS-4 (3')	Total/NA	Solid	8015B NM	48671
880-25962-5	CS-5 (3')	Total/NA	Solid	8015B NM	48671
880-25962-6	CS-6 (3')	Total/NA	Solid	8015B NM	48671
880-25962-7	CS-7 (3')	Total/NA	Solid	8015B NM	48671
880-25962-8	CS-8 (3')	Total/NA	Solid	8015B NM	48671
880-25962-9	CS-9 (3')	Total/NA	Solid	8015B NM	48671
880-25962-10	CS-10 (3')	Total/NA	Solid	8015B NM	48671
880-25962-11	CS-11 (2')	Total/NA	Solid	8015B NM	48671
880-25962-12	CS-12 (2')	Total/NA	Solid	8015B NM	48671
880-25962-13	CS-13 (2')	Total/NA	Solid	8015B NM	48671
880-25962-14	CS-14 (2')	Total/NA	Solid	8015B NM	48671
880-25962-15	CS-15 (2')	Total/NA	Solid	8015B NM	48671
880-25962-16	CS-16 (2')	Total/NA	Solid	8015B NM	48671
880-25962-17	CS-17 (2')	Total/NA	Solid	8015B NM	48671
880-25962-18	CS-18 (2')	Total/NA	Solid	8015B NM	48671
880-25962-19	SW-1 (3')	Total/NA	Solid	8015B NM	48671
880-25962-20	SW-2 (3')	Total/NA	Solid	8015B NM	48671
MB 880-48671/1-A	Method Blank	Total/NA	Solid	8015B NM	48671
LCS 880-48671/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48671
LCSD 880-48671/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48671
880-25962-1 MS	CS-1 (3')	Total/NA	Solid	8015B NM	48671
880-25962-1 MSD	CS-1 (3')	Total/NA	Solid	8015B NM	48671

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

GC Semi VOA

Analysis Batch: 48705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Total/NA	Solid	8015B NM	48680
880-25962-22	SW-4 (3')	Total/NA	Solid	8015B NM	48680
880-25962-23	SW-5 (3')	Total/NA	Solid	8015B NM	48680
880-25962-24	SW-6 (3')	Total/NA	Solid	8015B NM	48680
880-25962-25	SW-7 (3')	Total/NA	Solid	8015B NM	48680
880-25962-26	SW-8 (1')	Total/NA	Solid	8015B NM	48680
880-25962-27	SW-9 (2')	Total/NA	Solid	8015B NM	48680
880-25962-28	SW-10 (2')	Total/NA	Solid	8015B NM	48680
880-25962-29	SW-11 (2')	Total/NA	Solid	8015B NM	48680
MB 880-48680/1-A	Method Blank	Total/NA	Solid	8015B NM	48680
LCS 880-48680/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48680
LCSD 880-48680/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48680
880-25962-21 MS	SW-3 (3')	Total/NA	Solid	8015B NM	48680
880-25962-21 MSD	SW-3 (3')	Total/NA	Solid	8015B NM	48680

Analysis Batch: 48832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Total/NA	Solid	8015 NM	
880-25962-2	CS-2 (3')	Total/NA	Solid	8015 NM	
880-25962-3	CS-3 (3')	Total/NA	Solid	8015 NM	
880-25962-4	CS-4 (3')	Total/NA	Solid	8015 NM	
880-25962-5	CS-5 (3')	Total/NA	Solid	8015 NM	
880-25962-6	CS-6 (3')	Total/NA	Solid	8015 NM	
880-25962-7	CS-7 (3')	Total/NA	Solid	8015 NM	
880-25962-8	CS-8 (3')	Total/NA	Solid	8015 NM	
880-25962-9	CS-9 (3')	Total/NA	Solid	8015 NM	
880-25962-10	CS-10 (3')	Total/NA	Solid	8015 NM	
880-25962-11	CS-11 (2')	Total/NA	Solid	8015 NM	
880-25962-12	CS-12 (2')	Total/NA	Solid	8015 NM	
880-25962-13	CS-13 (2')	Total/NA	Solid	8015 NM	
880-25962-14	CS-14 (2')	Total/NA	Solid	8015 NM	
880-25962-15	CS-15 (2')	Total/NA	Solid	8015 NM	
880-25962-16	CS-16 (2')	Total/NA	Solid	8015 NM	
880-25962-17	CS-17 (2')	Total/NA	Solid	8015 NM	
880-25962-18	CS-18 (2')	Total/NA	Solid	8015 NM	
880-25962-19	SW-1 (3')	Total/NA	Solid	8015 NM	
880-25962-20	SW-2 (3')	Total/NA	Solid	8015 NM	
880-25962-21	SW-3 (3')	Total/NA	Solid	8015 NM	
880-25962-22	SW-4 (3')	Total/NA	Solid	8015 NM	
880-25962-23	SW-5 (3')	Total/NA	Solid	8015 NM	
880-25962-24	SW-6 (3')	Total/NA	Solid	8015 NM	
880-25962-25	SW-7 (3')	Total/NA	Solid	8015 NM	
880-25962-26	SW-8 (1')	Total/NA	Solid	8015 NM	
880-25962-27	SW-9 (2')	Total/NA	Solid	8015 NM	
880-25962-28	SW-10 (2')	Total/NA	Solid	8015 NM	
880-25962-29	SW-11 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

HPLC/IC

Leach Batch: 48732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Soluble	Solid	DI Leach	
880-25962-2	CS-2 (3')	Soluble	Solid	DI Leach	
880-25962-3	CS-3 (3')	Soluble	Solid	DI Leach	
880-25962-4	CS-4 (3')	Soluble	Solid	DI Leach	
880-25962-5	CS-5 (3')	Soluble	Solid	DI Leach	
880-25962-6	CS-6 (3')	Soluble	Solid	DI Leach	
880-25962-7	CS-7 (3')	Soluble	Solid	DI Leach	
880-25962-8	CS-8 (3')	Soluble	Solid	DI Leach	
880-25962-9	CS-9 (3')	Soluble	Solid	DI Leach	
880-25962-10	CS-10 (3')	Soluble	Solid	DI Leach	
880-25962-11	CS-11 (2')	Soluble	Solid	DI Leach	
880-25962-12	CS-12 (2')	Soluble	Solid	DI Leach	
880-25962-13	CS-13 (2')	Soluble	Solid	DI Leach	
880-25962-14	CS-14 (2')	Soluble	Solid	DI Leach	
880-25962-15	CS-15 (2')	Soluble	Solid	DI Leach	
880-25962-16	CS-16 (2')	Soluble	Solid	DI Leach	
880-25962-17	CS-17 (2')	Soluble	Solid	DI Leach	
880-25962-18	CS-18 (2')	Soluble	Solid	DI Leach	
880-25962-19	SW-1 (3')	Soluble	Solid	DI Leach	
880-25962-20	SW-2 (3')	Soluble	Solid	DI Leach	
MB 880-48732/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48732/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48732/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25962-1 MS	CS-1 (3')	Soluble	Solid	DI Leach	
880-25962-1 MSD	CS-1 (3')	Soluble	Solid	DI Leach	
880-25962-11 MS	CS-11 (2')	Soluble	Solid	DI Leach	
880-25962-11 MSD	CS-11 (2')	Soluble	Solid	DI Leach	

Leach Batch: 48733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Soluble	Solid	DI Leach	
880-25962-22	SW-4 (3')	Soluble	Solid	DI Leach	
880-25962-23	SW-5 (3')	Soluble	Solid	DI Leach	
880-25962-24	SW-6 (3')	Soluble	Solid	DI Leach	
880-25962-25	SW-7 (3')	Soluble	Solid	DI Leach	
880-25962-26	SW-8 (1')	Soluble	Solid	DI Leach	
880-25962-27	SW-9 (2')	Soluble	Solid	DI Leach	
880-25962-28	SW-10 (2')	Soluble	Solid	DI Leach	
880-25962-29	SW-11 (2')	Soluble	Solid	DI Leach	
MB 880-48733/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48733/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48733/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4334-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4334-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-21	SW-3 (3')	Soluble	Solid	300.0	48733
880-25962-22	SW-4 (3')	Soluble	Solid	300.0	48733
880-25962-23	SW-5 (3')	Soluble	Solid	300.0	48733
880-25962-24	SW-6 (3')	Soluble	Solid	300.0	48733

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 48850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-25	SW-7 (3')	Soluble	Solid	300.0	48733
880-25962-26	SW-8 (1')	Soluble	Solid	300.0	48733
880-25962-27	SW-9 (2')	Soluble	Solid	300.0	48733
880-25962-28	SW-10 (2')	Soluble	Solid	300.0	48733
880-25962-29	SW-11 (2')	Soluble	Solid	300.0	48733
MB 880-48733/1-A	Method Blank	Soluble	Solid	300.0	48733
LCS 880-48733/2-A	Lab Control Sample	Soluble	Solid	300.0	48733
LCSD 880-48733/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48733
890-4334-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48733
890-4334-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48733

Analysis Batch: 48851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25962-1	CS-1 (3')	Soluble	Solid	300.0	48732
880-25962-2	CS-2 (3')	Soluble	Solid	300.0	48732
880-25962-3	CS-3 (3')	Soluble	Solid	300.0	48732
880-25962-4	CS-4 (3')	Soluble	Solid	300.0	48732
880-25962-5	CS-5 (3')	Soluble	Solid	300.0	48732
880-25962-6	CS-6 (3')	Soluble	Solid	300.0	48732
880-25962-7	CS-7 (3')	Soluble	Solid	300.0	48732
880-25962-8	CS-8 (3')	Soluble	Solid	300.0	48732
880-25962-9	CS-9 (3')	Soluble	Solid	300.0	48732
880-25962-10	CS-10 (3')	Soluble	Solid	300.0	48732
880-25962-11	CS-11 (2')	Soluble	Solid	300.0	48732
880-25962-12	CS-12 (2')	Soluble	Solid	300.0	48732
880-25962-13	CS-13 (2')	Soluble	Solid	300.0	48732
880-25962-14	CS-14 (2')	Soluble	Solid	300.0	48732
880-25962-15	CS-15 (2')	Soluble	Solid	300.0	48732
880-25962-16	CS-16 (2')	Soluble	Solid	300.0	48732
880-25962-17	CS-17 (2')	Soluble	Solid	300.0	48732
880-25962-18	CS-18 (2')	Soluble	Solid	300.0	48732
880-25962-19	SW-1 (3')	Soluble	Solid	300.0	48732
880-25962-20	SW-2 (3')	Soluble	Solid	300.0	48732
MB 880-48732/1-A	Method Blank	Soluble	Solid	300.0	48732
LCS 880-48732/2-A	Lab Control Sample	Soluble	Solid	300.0	48732
LCSD 880-48732/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48732
880-25962-1 MS	CS-1 (3')	Soluble	Solid	300.0	48732
880-25962-1 MSD	CS-1 (3')	Soluble	Solid	300.0	48732
880-25962-11 MS	CS-11 (2')	Soluble	Solid	300.0	48732
880-25962-11 MSD	CS-11 (2')	Soluble	Solid	300.0	48732

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-1 (3')

Lab Sample ID: 880-25962-1

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 14:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 11:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:06	SMC	EET MID

Client Sample ID: CS-2 (3')

Lab Sample ID: 880-25962-2

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 12:16	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:21	SMC	EET MID

Client Sample ID: CS-3 (3')

Lab Sample ID: 880-25962-3

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 12:37	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:26	SMC	EET MID

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-25962-4

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-4 (3')

Lab Sample ID: 880-25962-4

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 12:59	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:31	SMC	EET MID

Client Sample ID: CS-5 (3')

Lab Sample ID: 880-25962-5

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:35	SMC	EET MID

Client Sample ID: CS-6 (3')

Lab Sample ID: 880-25962-6

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 13:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:50	SMC	EET MID

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-25962-7

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 14:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-7 (3')

Lab Sample ID: 880-25962-7

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 18:55	SMC	EET MID

Client Sample ID: CS-8 (3')

Lab Sample ID: 880-25962-8

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:00	SMC	EET MID

Client Sample ID: CS-9 (3')

Lab Sample ID: 880-25962-9

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:04	SMC	EET MID

Client Sample ID: CS-10 (3')

Lab Sample ID: 880-25962-10

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 15:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:09	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-11 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 18:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 16:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:14	SMC	EET MID

Client Sample ID: CS-12 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 16:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:29	SMC	EET MID

Client Sample ID: CS-13 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-13

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			5.03 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:33	SMC	EET MID

Client Sample ID: CS-14 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-14 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-14

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			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 17:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:48	SMC	EET MID

Client Sample ID: CS-15 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 17:35	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:53	SMC	EET MID

Client Sample ID: CS-16 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 17:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 19:58	SMC	EET MID

Client Sample ID: CS-17 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 18:19	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: CS-17 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-17

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			5.04 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 20:02	SMC	EET MID

Client Sample ID: CS-18 (2')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 21:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 18:40	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 20:07	SMC	EET MID

Client Sample ID: SW-1 (3')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 20:12	SMC	EET MID

Client Sample ID: SW-2 (3')

Date Collected: 03/14/23 00:00

Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49024	03/20/23 14:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49375	03/25/23 22:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/26/23 08:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	48671	03/15/23 13:37	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48703	03/16/23 19:23	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48732	03/16/23 10:15	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48851	03/17/23 20:17	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-3 (3')

Lab Sample ID: 880-25962-21

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 06:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 11:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 13:46	SMC	EET MID

Client Sample ID: SW-4 (3')

Lab Sample ID: 880-25962-22

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 06:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 12:16	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 13:51	SMC	EET MID

Client Sample ID: SW-5 (3')

Lab Sample ID: 880-25962-23

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 06:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:06	SMC	EET MID

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-25962-24

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 07:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-6 (3')

Lab Sample ID: 880-25962-24

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 12:59	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:10	SMC	EET MID

Client Sample ID: SW-7 (3')

Lab Sample ID: 880-25962-25

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 08:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 13:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:15	SMC	EET MID

Client Sample ID: SW-8 (1')

Lab Sample ID: 880-25962-26

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 08:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 13:43	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:20	SMC	EET MID

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-25962-27

Date Collected: 03/14/23 00:00

Matrix: Solid

Date Received: 03/15/23 10:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 09:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 14:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Client Sample ID: SW-9 (2')
Date Collected: 03/14/23 00:00
Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:25	SMC	EET MID

Client Sample ID: SW-10 (2')
Date Collected: 03/14/23 00:00
Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 09:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 14:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:30	SMC	EET MID

Client Sample ID: SW-11 (2')
Date Collected: 03/14/23 00:00
Date Received: 03/15/23 10:43

Lab Sample ID: 880-25962-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	49025	03/20/23 14:56	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49405	03/25/23 09:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49502	03/25/23 16:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48832	03/17/23 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48680	03/15/23 13:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48705	03/16/23 14:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48733	03/17/23 11:35	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48850	03/17/23 14:35	SMC	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: ZHU 2331 WC 001H (11.21.22)

Job ID: 880-25962-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25962-1	CS-1 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-2	CS-2 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-3	CS-3 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-4	CS-4 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-5	CS-5 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-6	CS-6 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-7	CS-7 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-8	CS-8 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-9	CS-9 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-10	CS-10 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-11	CS-11 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-12	CS-12 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-13	CS-13 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-14	CS-14 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-15	CS-15 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-16	CS-16 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-17	CS-17 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-18	CS-18 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-19	SW-1 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-20	SW-2 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-21	SW-3 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-22	SW-4 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-23	SW-5 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-24	SW-6 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-25	SW-7 (3')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-26	SW-8 (1')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-27	SW-9 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-28	SW-10 (2')	Solid	03/14/23 00:00	03/15/23 10:43
880-25962-29	SW-11 (2')	Solid	03/14/23 00:00	03/15/23 10:43

Work Order No: 259102

Page 1 of 3

Project Manager: Mike Carmona		Bill to: (if different)	
Company Name: Carmona Resources		Company Name: Carmona Resources	
Address: 310 W Wall St Ste 500		Address: 310 W Wall St Ste 500	
City, State ZIP: Midland, TX 79701		City, State ZIP: Midland, TX 79701	
Phone: 432-813-1992		Email:	

Project Name: ZHU 2331 WC 001H (11 21 22)		Turn Around	
Project Number: 1210		☐ Routine ☒ Rush	
Project Location: Eddy Co. NM		Due Date: 48 HR	
Sampler's Name: GPJ		TAT starts the day received by the lab if received by 4:30pm	
PO #:			

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Pres. Code	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-1 (3')	3/14/2023		X		Comp	1		X	X	X	None. NO DI Water H ₂ O
CS-2 (3')	3/14/2023		X		Comp	1		X	X	X	Cool Cool MeOH Me
CS-3 (3')	3/14/2023		X		Comp	1		X	X	X	HCL HC HNO ₃ HN
CS-4 (3')	3/14/2023		X		Comp	1		X	X	X	H ₂ SO ₄ H ₂ NaOH Na
CS-5 (3')	3/14/2023		X		Comp	1		X	X	X	H ₃ PO ₄ HP
CS-6 (3')	3/14/2023		X		Comp	1		X	X	X	NaHSO ₄ NABIS
CS-7 (3')	3/14/2023		X		Comp	1		X	X	X	Na ₂ S ₂ O ₃ NaSO ₃
CS-8 (3')	3/14/2023		X		Comp	1		X	X	X	Zn Acetate+NaOH Zn
CS-9 (3')	3/14/2023		X		Comp	1		X	X	X	NaOH+Ascorbic Acid SAPC
CS-10 (3')	3/14/2023		X		Comp	1		X	X	X	

Comments:	
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Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Carmona</i>	3-15-23	<i>[Signature]</i>	1043

Work Order No:

Page 2 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Mike Carmona
Company Name	Carmona Resources	Company Name:	Carmona Resources
Address	310 W Wall St Ste 500	Address:	310 W Wall St Ste 500
City, State ZIP	Midland, TX 79701	City, State ZIP:	Midland, Tx 79701
Phone	432-813-1992	Email	

Project Name		ZHU 2331 WC 001H ('11 21 22)			Turn Around			ANALYSIS REQUEST										Preservative Codes							
Project Number		1210			☐ Routine ☒ Rush		48 HR												None NO DI Water H ₂ O						
Project Location		Eddy Co, NM			Due Date		TAT starts the day received by the lab, if received by 4:30pm												Cool Cool MeOH Me						
Sampler's Name:		GPJ																	HCL HC HNO ₃ HN						
PO #																			H ₂ SO ₄ H ₂ NaOH Na						
SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No												H ₃ PO ₄ HP					
Received Intact:		Yes No		Thermometer ID																NaHSO ₄ NABIS					
Cooler Custody Seals.		Yes No N/A		Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals		Yes No N/A		Temperature Reading																Zn Acetate+NaOH Zn					
Total Containers				Corrected Temperature																NaOH+Ascorbic Acid SAPC					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
CS-11 (2')		3/14/2023				X				Comp 1		1		BTEX 8021B											
CS-12 (2')		3/14/2023				X				Comp 1		1		TPH 8015M (GRO + DRO + MRO)											
CS-13 (2')		3/14/2023				X				Comp 1		1		Chloride 300.0											
CS-14 (2')		3/14/2023				X				Comp 1		1													
CS-15 (2')		3/14/2023				X				Comp 1		1													
CS-16 (2')		3/14/2023				X				Comp 1		1													
CS-17 (2')		3/14/2023				X				Comp 1		1													
CS-18 (2')		3/14/2023				X				Comp 1		1													
SW-1 (3')		3/14/2023				X				Comp 1		1													
SW-2 (3')		3/14/2023				X				Comp 1		1													

Comments:

Comments:	Relinquished by (Signature)		Date/Time	Received by (Signature)	Date/Time
			3-15-23 1043		

Work Order No: 25962

Page 3 of 3

Project Manager: Mike Carmona		Bill to: (if different)		Mike Carmona	
Company Name: Carmona Resources		Company Name:		Carmona Resources	
Address: 310 W Wall St Ste 500		Address:		310 W Wall St Ste 500	
City, State ZIP: Midland, TX 79701		City, State ZIP:		Midland, TX 79701	
Phone: 432-813-1992		Email:			

Project Name: ZHU 2331 WC 001H (11 21 22)		Turn Around		Pres. Code	
Project Number: 1210		☐ Routine	☒ Rush		
Project Location: Eddy Co. NM		Due Date: 48 HR			
Sampler's Name: GPJ		TAT starts the day received by the lab, if received by 4:30pm			
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
SW-3 (3')	3/14/2023		X		Comp	1
SW-4 (3')	3/14/2023		X		Comp	1
SW-5 (3')	3/14/2023		X		Comp	1
SW-6 (3')	3/14/2023		X		Comp	1
SW-7 (3')	3/14/2023		X		Comp	1
SW-8 (1')	3/14/2023		X		Comp	1
SW-9 (2')	3/14/2023		X		Comp	1
SW-10 (2')	3/14/2023		X		Comp	1
SW-11 (2')	3/14/2023		X		Comp	1

ANALYSIS REQUEST		Preservative Codes	
BTX 8021B	TPH 8015M (GRO + DRO + MRO)	None	NO
		Cool	MeOH
		HCL	HC
		H ₂ SO ₄	H ₂
		H ₃ PO ₄	HP
		NaHSO ₄	NABIS
		Na ₂ S ₂ O ₃	NaSO ₃
		Zn Acetate	NaOH
		NaOH+Ascorbic Acid	SAPC

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

Comments:	
Loc: 880 25962	

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Carmona Mike</i>	3-14-23	<i>[Signature]</i>	
	1093		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-25962-1

SDG Number: Eddy Co, NM

Login Number: 25962

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

Action 205409

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 205409
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2233951077 ZHU 2331 WC 001H, thank you. This closure is approved.	8/25/2023