



SITE INFORMATION

Closure Report
Hound 30 Fed CTB
Incident ID: nAPP2322361445
Lea County, New Mexico
Unit K Sec 30 T25S R34E
32.098667°, -103.512500°

Produced Water Release
Point of Release: Weld Failure
Release Date: 07/28/23
Volume Released: 25 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES



Prepared for:
EOG Resources
5509 Champions Drive
Midland, TX 79706

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



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November 10, 2023

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

**Re: Closure Report
Hound 30 Fed CTB
EOG Resources Inc.
Incident #: nAPP2322361445
Site Location: Unit K Sec 30 T25S R34E
(Lat 32.098667°, Long -103.512500°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site activities for the Hound 30 Fed CTB. The site is located at 32.098667°, -103.512500° within Unit K Sec 30 T25S R34E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 28, 2023, and was caused by a weld break on the discharge side of the pump. It released approximately twenty-five (25) barrels of produced water, and zero (0) barrels of produced water were recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.17 miles Southeast of the site in S29, T25S, R34E and was drilled in 1991. The well has a reported depth to groundwater of 128.51 feet below the ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

On December 29, 2020, Scarborough Drilling, Inc. was onsite to drill a groundwater determination bore to 55' below ground surface. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.102785, -103.52190. See Appendix D for the driller's log.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12, 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.

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



4.0 Site Assessment Activities

Initial Assessment

On August 1, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and seven (7) horizontal samples (H-1 through H-7) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.00. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were on site to oversee excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on September 5, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of eight (8) confirmation floor samples (CS-1 through CS-8) and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 80 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 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 EOG 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

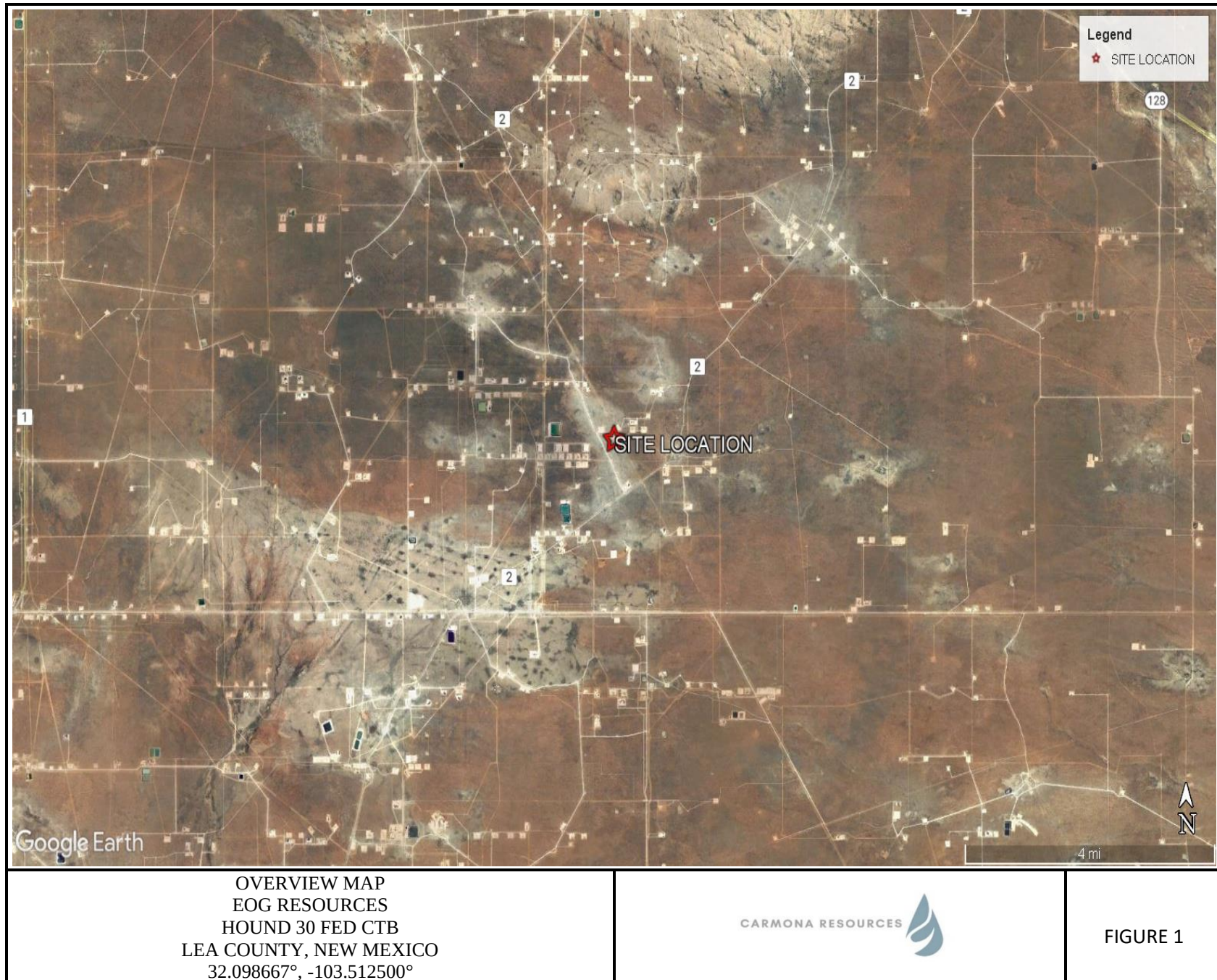
Mike Carmona
Environmental Manager

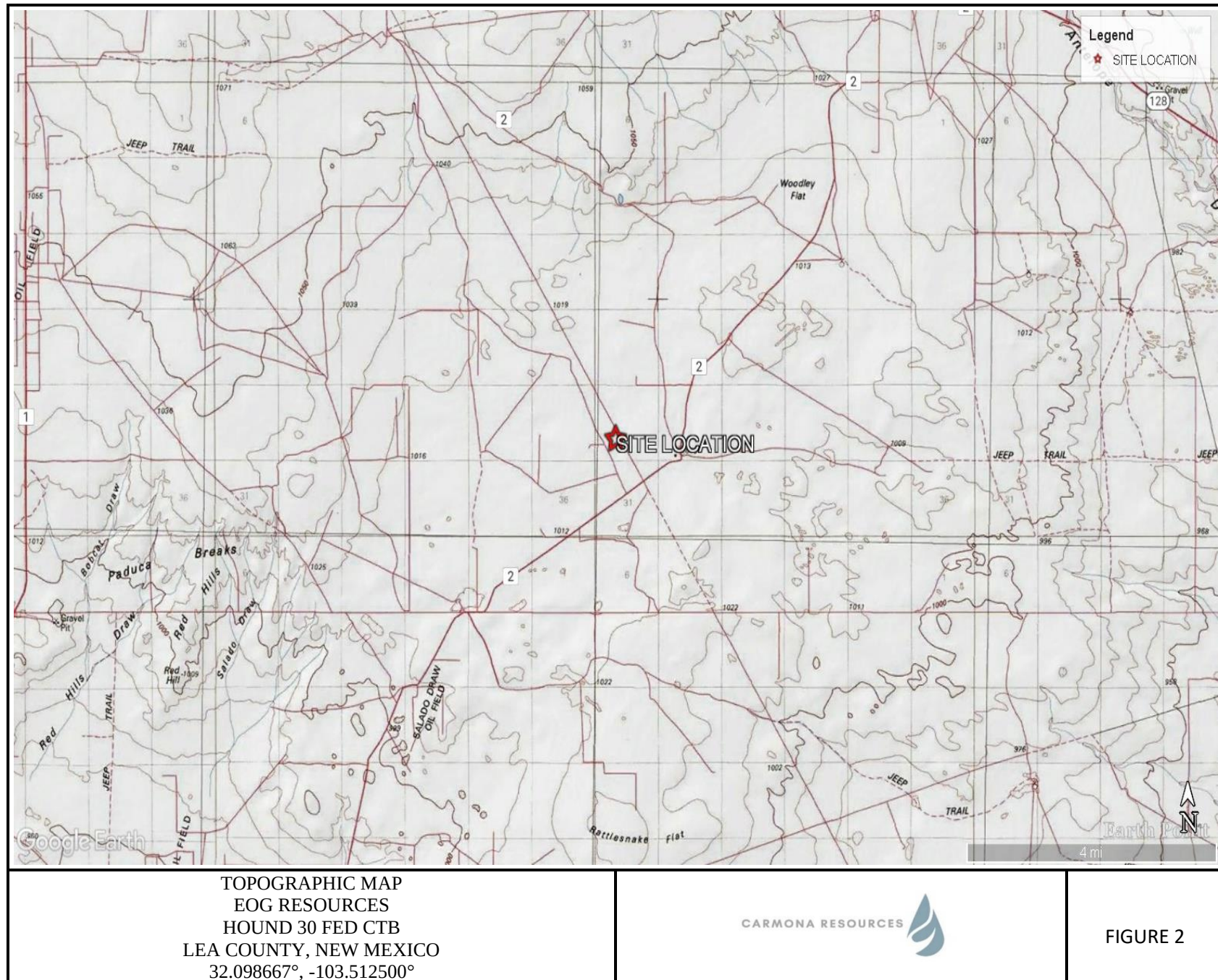
Conner Moehring
Sr. Project Manager

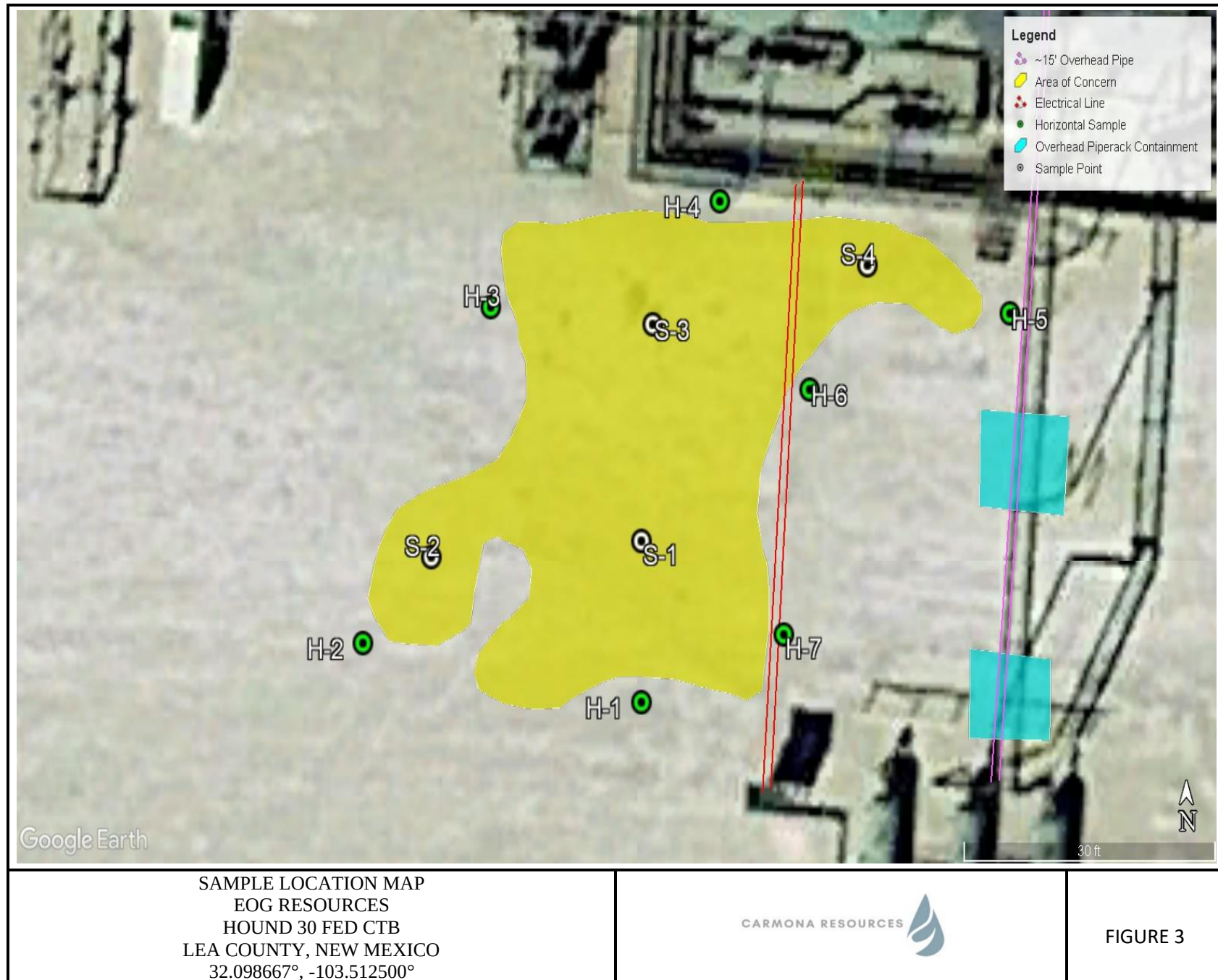
FIGURES

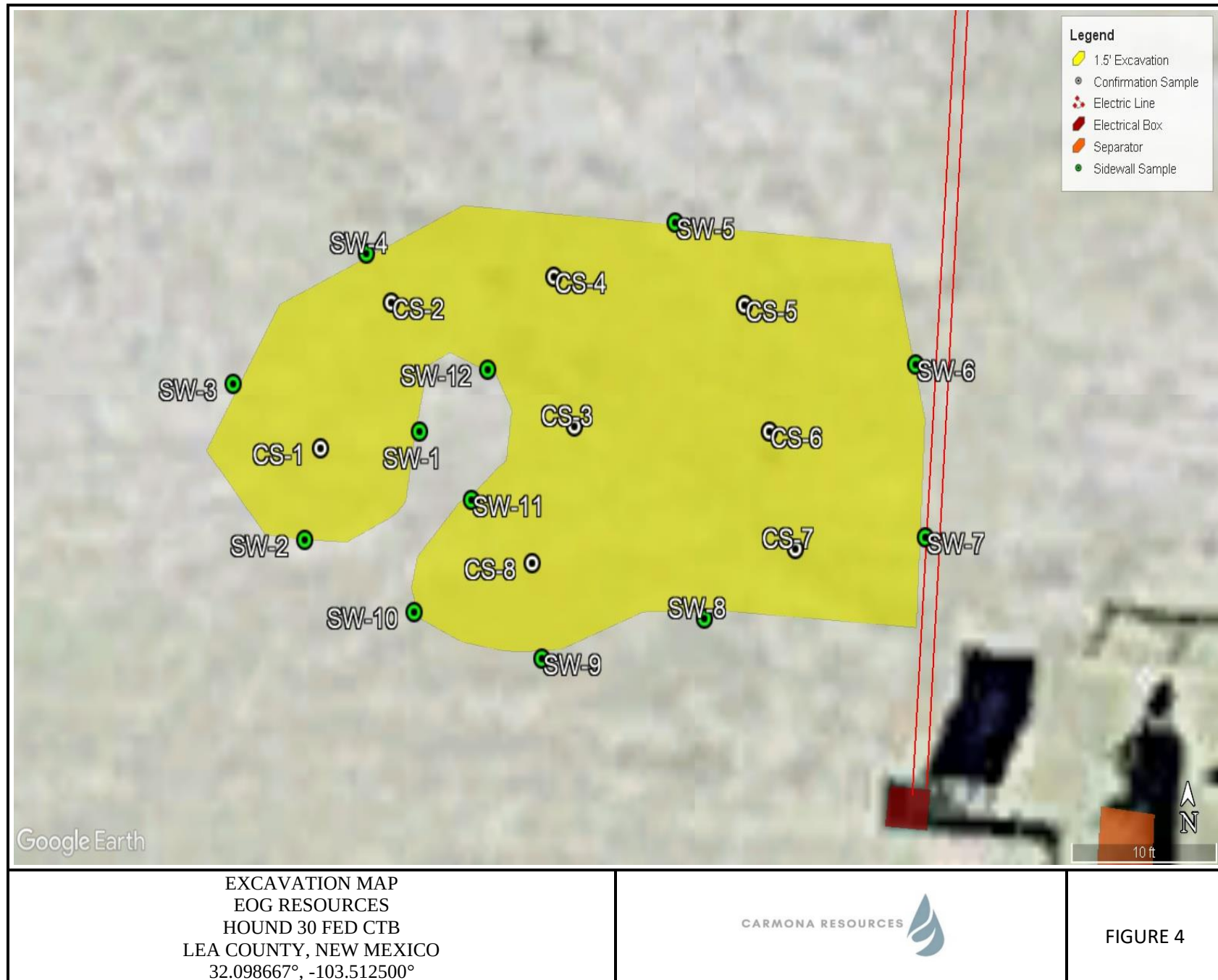
CARMONA RESOURCES











APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Hound 30 Fed CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/1/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,980
	"	1.5	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	165
	"	2	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	212
	"	3	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	37.5
	"	4	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	44.9
S-2	8/1/2023	0-1	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,410
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	60.2
	"	2	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	81.0
	"	3	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.9
	"	4	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	42.7
S-3	8/1/2023	0-1	<50.5	<50.5	<50.5	<50.5	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	129
	"	1.5	<50.2	<50.2	<50.2	<50.2	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	50.9
	"	2	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	68.8
	"	3	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.6
	"	4	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	41.2
S-4	8/1/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	518
	"	1.5	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	63.4
	"	2	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	55.6
	"	3	<50.1	<50.1	<50.1	<50.1	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	22.5
	"	4	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	26.8
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

 Removed

Table 1
EOG Resources
Hound 30 Fed CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	8/1/2023	0-0.5	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	78.3
H-2	8/1/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.0
H-3	8/1/2023	0-0.5	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	250
H-4	8/1/2023	0-0.5	<50.0	61.4	<50.0	61.4	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	120
H-5	8/1/2023	0-0.5	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	80.7
H-6	8/1/2023	0-0.5	<50.4	<50.4	<50.4	<50.4	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	57.7
H-7	8/1/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	72.3
Regulatory Criteria^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(H) Horizontal Sample

Table 2
EOG Resources
Hound 30 Fed CTB
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-2	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-3	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
CS-4	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-5	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-8	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-1	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-2	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-3	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-6	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
SW-7	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-9	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-10	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-11	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Sample

(SW) Sidewall Sample

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: Hound 30 Fed CTB

County: Lea County, New Mexico

Description:

View East, area of CS-1 through CS-8.



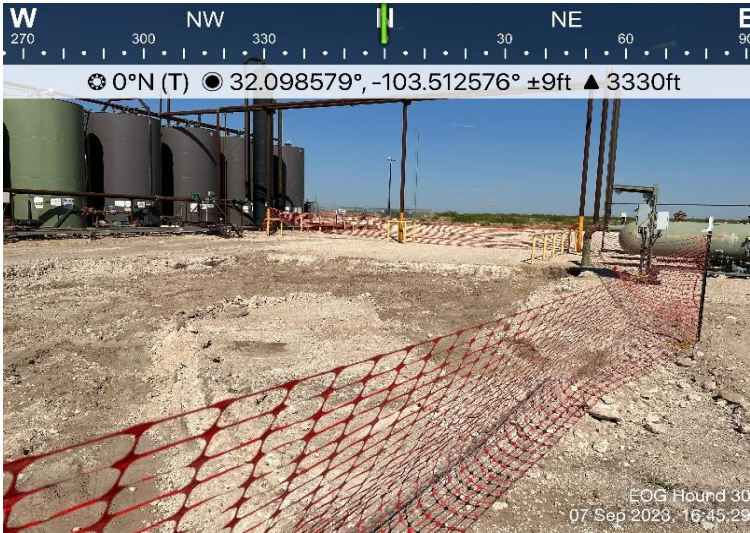
Photograph No. 2

Facility: Hound 30 Fed CTB

County: Lea County, New Mexico

Description:

View North, area of CS-1 through CS-8.



Photograph No. 3

Facility: Hound 30 Fed CTB

County: Lea County, New Mexico

Description:

View West, of the backfill excavation.



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	nAPP2322361445
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2322361445
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.098667° Longitude -103.512500°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hound 30 Fed CTB	Site Type CTB
Date Release Discovered 7/28/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
K	30	25S	34E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 25	Volume Recovered (bbls) 0
	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: The weld broke on the discharge side of the pump causing the release of produced water on the pad. Approximately 25 bbls of produced water was released and 0 bbls recovered.

Incident ID	NAPP2322361445
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? Release of 25 bbls. or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? E-mail notification to the OCD Enviro Inbox on 7/28/23.	

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: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>8/11/23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Shelly Wells</u>	Date: <u>8/14/2023</u>

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 251257

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 251257
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	8/14/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 11/10/23

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/13/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 11/10/23

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/13/2023

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: Nelson Velez Date: 02/23/2024

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

Good afternoon, Devin

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Mike Buchanan • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.490.0798 | michael.buchanan@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Devin Dominguez <Ddominguez@carmonaresources.com>
Sent: Tuesday, September 5, 2023 3:13 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; todd_wells@eogresources.com
Subject: [EXTERNAL] EOG Hound 30 Fed CTB - Sampling Notification - Incident # nAPP2322361445

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

Good Afternoon,

This email serves as a notification for confirmation sampling on the EOG Hound 30 Fed CTB. Sampling is scheduled to begin on Friday, September 8th around 8:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident #: nAPP2322361445

Devin Dominguez
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-701-5475

ddominguez@carmonaresources.com

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Nearest water well

EOG Resources

Legend

 0.50 Mile Radius

 0.67 Miles

 1.17 Miles

 Groundwater Determination Bore

 Hound 30 Fed CTB

 USGS Water Well



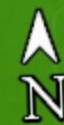
Low Karst
EOG Resources

Legend

-  Hound 30 Fed CTB
-  Low
-  Medium



Hound 30 Fed CTB



2 mi



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320523103294401

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

USGS 320523103294401 25S.34E.29.343322

Lea County, New Mexico
Latitude 32°05'23", Longitude 103°29'44" NAD27
Land-surface elevation 3,321 feet above NAVD88
The depth of the well is 165 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) 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
1970-12-08			D 62610		3192.28	NGVD29	1		Z	
1970-12-08			D 62611		3193.85	NAVD88	1		Z	
1970-12-08			D 72019	127.15			1		Z	
1976-01-08			D 62610		3191.94	NGVD29	1		Z	
1976-01-08			D 62611		3193.51	NAVD88	1		Z	
1976-01-08			D 72019	127.49			1		Z	
1981-03-25			D 62610		3187.33	NGVD29	1		Z	
1981-03-25			D 62611		3188.90	NAVD88	1		Z	
1981-03-25			D 72019	132.10			1		Z	
1986-03-12			D 62610		3189.20	NGVD29	1		Z	
1986-03-12			D 62611		3190.77	NAVD88	1		Z	
1986-03-12			D 72019	130.23			1		Z	
1991-06-06			D 62610		3190.92	NGVD29	1		Z	
1991-06-06			D 62611		3192.49	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1991-06-06			D	72019	128.51		1		Z	

Explanation

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

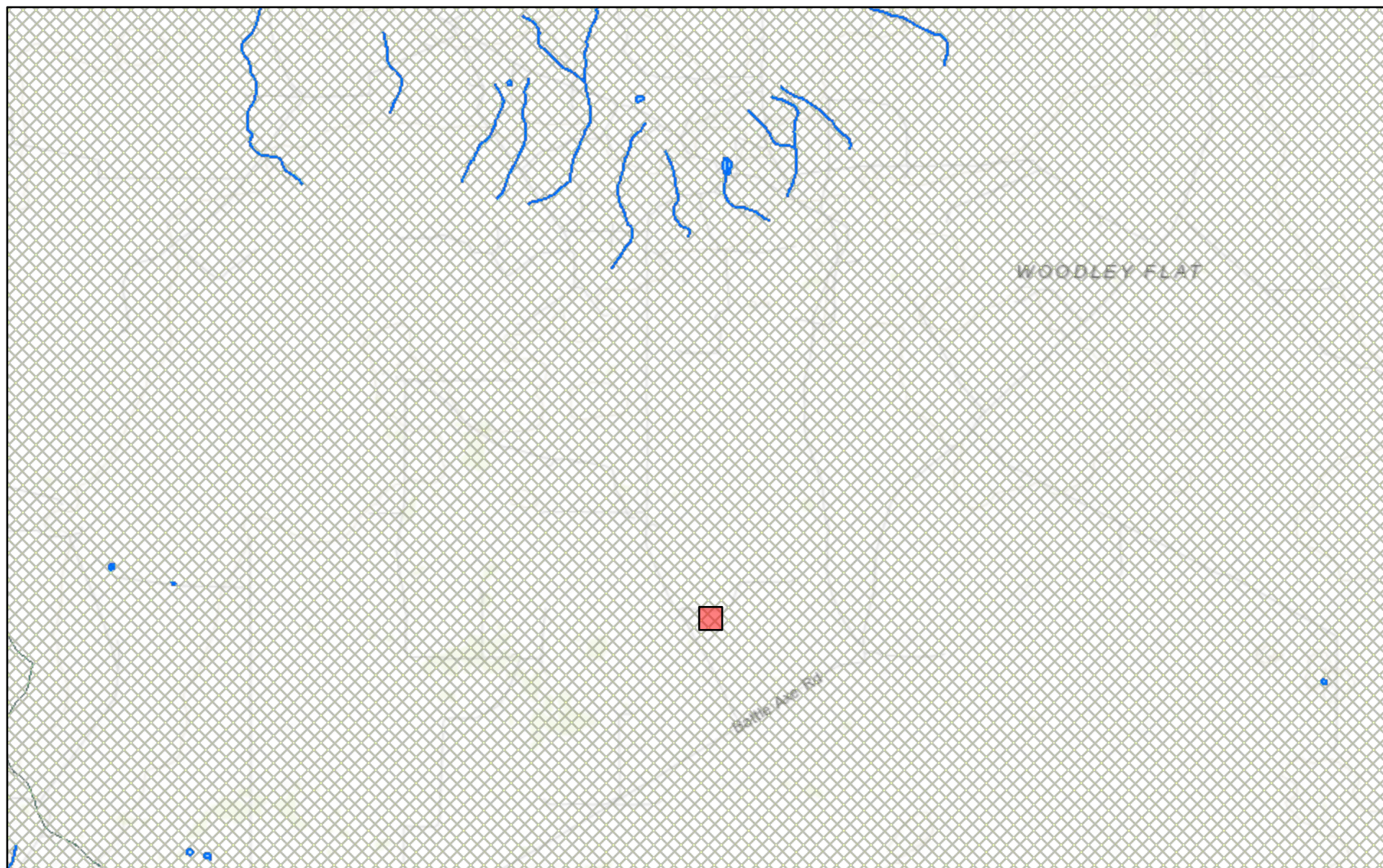
[Questions or Comments](#)
[Automated retrievals](#)
[Help](#)
[Data Tips](#)
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[Subscribe for system changes](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320523103294401&agency_cd=USGS&format=html)

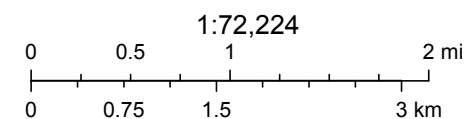


Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-08-02 07:49:56 EDT
0.28 0.24 nadww02

New Mexico NFHL Data



August 2, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2023 9:14:31 AM

JOB DESCRIPTION

Hound 30 Fec CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-31574-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/7/2023 9:14:31 AM

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

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Laboratory Job ID: 880-31574-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Job ID: 880-31574-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31574-1
-----------	------------------------------

Receipt

The samples were received on 8/2/2023 11:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-31574-1), S-1 (1.5') (880-31574-2), S-1 (2') (880-31574-3), S-1 (3') (880-31574-4), S-1 (4') (880-31574-5), S-2 (0-1') (880-31574-6), S-2 (1.5') (880-31574-7), S-2 (2') (880-31574-8), S-2 (3') (880-31574-9), S-2 (4') (880-31574-10), S-3 (0-1') (880-31574-11), S-3 (1.5') (880-31574-12), S-3 (2') (880-31574-13), S-3 (3') (880-31574-14), S-3 (4') (880-31574-15), S-4 (0-1') (880-31574-16), S-4 (1.5') (880-31574-17), S-4 (2') (880-31574-18), S-4 (3') (880-31574-19) and S-4 (4') (880-31574-20).

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: LCSD biased low. Since only an acceptable LCS is required per the method, the data has been qualified and reported.(LCSD 880-59333/3-A)

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-59333 and analytical batch 880-59386 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-1

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/03/23 23:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/03/23 23:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/03/23 23:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/03/23 23:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/03/23 23:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/03/23 23:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/03/23 12:51	08/03/23 23:24	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/03/23 12:51	08/03/23 23:24	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- F1	50.4		mg/Kg		08/04/23 11:17	08/05/23 23:04	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/05/23 23:04	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/05/23 23:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	08/04/23 11:17	08/05/23 23:04	1
o-Terphenyl	115		70 - 130	08/04/23 11:17	08/05/23 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1980		25.0		mg/Kg			08/03/23 17:21	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-31574-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/03/23 23:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/03/23 12:51	08/03/23 23:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/03/23 12:51	08/03/23 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	08/03/23 12:51	08/03/23 23:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/03/23 12:51	08/03/23 23:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-31574-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *	50.3		mg/Kg		08/04/23 11:17	08/06/23 00:09	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/04/23 11:17	08/06/23 00:09	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/04/23 11:17	08/06/23 00:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				08/04/23 11:17	08/06/23 00:09	1
o-Terphenyl	114		70 - 130				08/04/23 11:17	08/06/23 00:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		4.96		mg/Kg			08/03/23 17:28	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-31574-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 00:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 00:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 00:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 00:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 00:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/03/23 12:51	08/04/23 00:05	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/03/23 12:51	08/04/23 00:05	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:30	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-31574-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/04/23 11:17	08/06/23 00:30	1
o-Terphenyl	111		70 - 130				08/04/23 11:17	08/06/23 00:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		4.97		mg/Kg			08/03/23 17:35	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-31574-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 00:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 00:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 00:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 00:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 00:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/03/23 12:51	08/04/23 00:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/03/23 12:51	08/04/23 00:26	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *-	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:52	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:52	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 00:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/04/23 11:17	08/06/23 00:52	1
o-Terphenyl	109		70 - 130				08/04/23 11:17	08/06/23 00:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.5		4.97		mg/Kg			08/03/23 17:42	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-1 (4')

Lab Sample ID: 880-31574-5

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 00:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 00:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 00:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/04/23 00:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 00:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/04/23 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/03/23 12:51	08/04/23 00:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130	08/03/23 12:51	08/04/23 00:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:13	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	08/04/23 11:17	08/06/23 01:13	1
o-Terphenyl	101		70 - 130	08/04/23 11:17	08/06/23 01:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.9		5.04		mg/Kg			08/03/23 17:48	1

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

Lab Sample ID: 880-31574-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 01:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 01:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 01:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/03/23 12:51	08/04/23 01:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 01:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/03/23 12:51	08/04/23 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/03/23 12:51	08/04/23 01:07	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/03/23 12:51	08/04/23 01:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:34	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				08/04/23 11:17	08/06/23 01:34	1
o-Terphenyl	99		70 - 130				08/04/23 11:17	08/06/23 01:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2410		25.2		mg/Kg			08/03/23 20:53	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-31574-7

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 01:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 01:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 01:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/03/23 12:51	08/04/23 01:28	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/03/23 12:51	08/04/23 01:28	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *	50.2		mg/Kg		08/04/23 11:17	08/06/23 01:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/04/23 11:17	08/06/23 01:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-31574-7

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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)	<50.2	U	50.2		mg/Kg		08/04/23 11:17	08/06/23 01:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/04/23 11:17	08/06/23 01:56	1
o-Terphenyl	105		70 - 130				08/04/23 11:17	08/06/23 01:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.2		5.02		mg/Kg			08/03/23 21:08	1

Client Sample ID: S-2 (2')

Lab Sample ID: 880-31574-8

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 01:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/03/23 12:51	08/04/23 01:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 01:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/03/23 12:51	08/04/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/03/23 12:51	08/04/23 01:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130				08/03/23 12:51	08/04/23 01:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4		mg/Kg		08/04/23 11:17	08/06/23 02:17	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 02:17	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/04/23 11:17	08/06/23 02:17	1
o-Terphenyl	108		70 - 130				08/04/23 11:17	08/06/23 02:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.0		4.99		mg/Kg			08/03/23 21:13	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-2 (3')

Lab Sample ID: 880-31574-9

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 02:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/03/23 12:51	08/04/23 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 02:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/03/23 12:51	08/04/23 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/03/23 12:51	08/04/23 02:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/03/23 12:51	08/04/23 02:09	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			08/04/23 10:07	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			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		08/04/23 11:17	08/06/23 02:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/23 11:17	08/06/23 02:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/23 11:17	08/06/23 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	08/04/23 11:17	08/06/23 02:38	1
o-Terphenyl	116		70 - 130	08/04/23 11:17	08/06/23 02:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.9		5.05		mg/Kg			08/03/23 21:18	1

Client Sample ID: S-2 (4')

Lab Sample ID: 880-31574-10

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 02:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 02:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 02:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 02:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 02:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/03/23 12:51	08/04/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	08/03/23 12:51	08/04/23 02:30	1
1,4-Difluorobenzene (Surr)	105		70 - 130	08/03/23 12:51	08/04/23 02:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-2 (4')

Lab Sample ID: 880-31574-10

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		08/04/23 11:17	08/06/23 02:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 02:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				08/04/23 11:17	08/06/23 02:59	1
o-Terphenyl	104		70 - 130				08/04/23 11:17	08/06/23 02:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.7		5.03		mg/Kg			08/03/23 21:23	1

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

Lab Sample ID: 880-31574-11

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 03:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/03/23 12:51	08/04/23 03:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/03/23 12:51	08/04/23 03:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/03/23 12:51	08/04/23 03:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/03/23 12:51	08/04/23 03:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/03/23 12:51	08/04/23 03:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/03/23 12:51	08/04/23 03:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130				08/03/23 12:51	08/04/23 03:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *	50.5		mg/Kg		08/04/23 11:17	08/06/23 03:41	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 03:41	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-11

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				08/04/23 11:17	08/06/23 03:41	1
o-Terphenyl	95		70 - 130				08/04/23 11:17	08/06/23 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		5.02		mg/Kg			08/03/23 21:39	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-31574-12

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 04:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/04/23 04:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/04/23 04:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				08/03/23 12:51	08/04/23 04:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130				08/03/23 12:51	08/04/23 04:13	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *-	50.2		mg/Kg		08/04/23 11:17	08/06/23 04:02	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/04/23 11:17	08/06/23 04:02	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/04/23 11:17	08/06/23 04:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/04/23 11:17	08/06/23 04:02	1
o-Terphenyl	101		70 - 130				08/04/23 11:17	08/06/23 04:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.9		5.00		mg/Kg			08/03/23 21:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-31574-13

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 04:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/04/23 04:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:51	08/04/23 04:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/03/23 12:51	08/04/23 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/03/23 12:51	08/04/23 04:33	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/03/23 12:51	08/04/23 04:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/04/23 10:07	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			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *	49.8		mg/Kg		08/04/23 11:17	08/06/23 04:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/23 11:17	08/06/23 04:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/23 11:17	08/06/23 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	08/04/23 11:17	08/06/23 04:23	1
o-Terphenyl	106		70 - 130	08/04/23 11:17	08/06/23 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.8		4.98		mg/Kg			08/03/23 21:49	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-31574-14

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 04:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 04:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 04:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 04:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 04:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/03/23 12:51	08/04/23 04:54	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/03/23 12:51	08/04/23 04:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-3 (3')

Lab Sample ID: 880-31574-14

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *	49.6		mg/Kg		08/04/23 11:17	08/06/23 04:44	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 04:44	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 11:17	08/06/23 04:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				08/04/23 11:17	08/06/23 04:44	1
o-Terphenyl	119		70 - 130				08/04/23 11:17	08/06/23 04:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.6		4.96		mg/Kg			08/03/23 21:54	1

Client Sample ID: S-3 (4')

Lab Sample ID: 880-31574-15

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 05:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 05:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 05:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 05:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 05:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				08/03/23 12:51	08/04/23 05:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130				08/03/23 12:51	08/04/23 05:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *	49.7		mg/Kg		08/04/23 11:17	08/06/23 05:05	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/04/23 11:17	08/06/23 05:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-3 (4')

Lab Sample ID: 880-31574-15

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/04/23 11:17	08/06/23 05:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				08/04/23 11:17	08/06/23 05:05	1
o-Terphenyl	112		70 - 130				08/04/23 11:17	08/06/23 05:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		5.02		mg/Kg			08/03/23 21:59	1

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

Lab Sample ID: 880-31574-16

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/03/23 12:51	08/04/23 05:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/03/23 12:51	08/04/23 05:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/03/23 12:51	08/04/23 05:35	1
1,4-Difluorobenzene (Surr)	102		70 - 130				08/03/23 12:51	08/04/23 05:35	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4		mg/Kg		08/04/23 11:17	08/06/23 05:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 05:25	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 05:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/04/23 11:17	08/06/23 05:25	1
o-Terphenyl	102		70 - 130				08/04/23 11:17	08/06/23 05:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	518		5.05		mg/Kg			08/03/23 22:04	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-31574-17

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 05:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/04/23 05:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 05:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/04/23 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/03/23 12:51	08/04/23 05:55	1
1,4-Difluorobenzene (Surr)	96		70 - 130	08/03/23 12:51	08/04/23 05:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *	50.5		mg/Kg		08/04/23 11:17	08/06/23 05:46	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 05:46	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/04/23 11:17	08/06/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	08/04/23 11:17	08/06/23 05:46	1
o-Terphenyl	110		70 - 130	08/04/23 11:17	08/06/23 05:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.4		4.99		mg/Kg			08/03/23 22:19	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-31574-18

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 06:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:51	08/04/23 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/03/23 12:51	08/04/23 06:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/03/23 12:51	08/04/23 06:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/03/23 12:51	08/04/23 06:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-4 (2')

Lab Sample ID: 880-31574-18

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		08/04/23 11:17	08/06/23 06:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 11:17	08/06/23 06:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 11:17	08/06/23 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				08/04/23 11:17	08/06/23 06:07	1
o-Terphenyl	108		70 - 130				08/04/23 11:17	08/06/23 06:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	55.6		4.97		mg/Kg			08/03/23 22:24	1

Client Sample ID: S-4 (3')

Lab Sample ID: 880-31574-19

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 06:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 06:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 06:37	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/03/23 12:51	08/04/23 06:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:51	08/04/23 06:37	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/03/23 12:51	08/04/23 06:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				08/03/23 12:51	08/04/23 06:37	1
1,4-Difluorobenzene (Surr)	103		70 - 130				08/03/23 12:51	08/04/23 06:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U *	50.1		mg/Kg		08/04/23 11:17	08/06/23 06:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/04/23 11:17	08/06/23 06:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Lab Sample ID: 880-31574-19

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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)	<50.1	U	50.1		mg/Kg		08/04/23 11:17	08/06/23 06:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/04/23 11:17	08/06/23 06:27	1
o-Terphenyl	98		70 - 130				08/04/23 11:17	08/06/23 06:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		4.97		mg/Kg			08/03/23 22:39	1

Client Sample ID: S-4 (4')

Lab Sample ID: 880-31574-20

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:51	08/04/23 06:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 06:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 06:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/03/23 12:51	08/04/23 06:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/04/23 06:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/03/23 12:51	08/04/23 06:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/03/23 12:51	08/04/23 06:57	1
1,4-Difluorobenzene (Surr)	108		70 - 130				08/03/23 12:51	08/04/23 06:57	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			08/04/23 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 10:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4		mg/Kg		08/04/23 11:17	08/06/23 06:50	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 06:50	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 11:17	08/06/23 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				08/04/23 11:17	08/06/23 06:50	1
o-Terphenyl	101		70 - 130				08/04/23 11:17	08/06/23 06:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.8		5.04		mg/Kg			08/03/23 22:44	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (70-130)	DFBZ1 (70-130)				
880-31574-1	S-1 (0-1')	97	96				
880-31574-1 MS	S-1 (0-1')	106	103				
880-31574-1 MSD	S-1 (0-1')	103	101				
880-31574-2	S-1 (1.5')	103	102				
880-31574-3	S-1 (2')	100	104				
880-31574-4	S-1 (3')	96	101				
880-31574-5	S-1 (4')	101	106				
880-31574-6	S-2 (0-1')	108	105				
880-31574-7	S-2 (1.5')	96	99				
880-31574-8	S-2 (2')	108	101				
880-31574-9	S-2 (3')	108	97				
880-31574-10	S-2 (4')	109	105				
880-31574-11	S-3 (0-1')	96	92				
880-31574-12	S-3 (1.5')	103	105				
880-31574-13	S-3 (2')	102	103				
880-31574-14	S-3 (3')	105	102				
880-31574-15	S-3 (4')	106	99				
880-31574-16	S-4 (0-1')	105	102				
880-31574-17	S-4 (1.5')	104	96				
880-31574-18	S-4 (2')	106	102				
880-31574-19	S-4 (3')	112	103				
880-31574-20	S-4 (4')	102	108				
LCS 880-59246/1-A	Lab Control Sample	101	107				
LCSD 880-59246/2-A	Lab Control Sample Dup	101	101				
MB 880-59182/5-A	Method Blank	82	91				
MB 880-59246/5-A	Method Blank	86	91				
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		1CO1 (70-130)	OTPH1 (70-130)				
880-31574-1	S-1 (0-1')	97	115				
880-31574-1 MS	S-1 (0-1')	94	91				
880-31574-1 MSD	S-1 (0-1')	90	88				
880-31574-2	S-1 (1.5')	99	114				
880-31574-3	S-1 (2')	94	111				
880-31574-4	S-1 (3')	91	109				
880-31574-5	S-1 (4')	86	101				
880-31574-6	S-2 (0-1')	88	99				
880-31574-7	S-2 (1.5')	93	105				
880-31574-8	S-2 (2')	94	108				
880-31574-9	S-2 (3')	100	116				
880-31574-10	S-2 (4')	93	104				
880-31574-11	S-3 (0-1')	85	95				

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Surrogate Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, 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)
880-31574-12	S-3 (1.5')	86	101
880-31574-13	S-3 (2')	91	106
880-31574-14	S-3 (3')	101	119
880-31574-15	S-3 (4')	94	112
880-31574-16	S-4 (0-1')	87	102
880-31574-17	S-4 (1.5')	97	110
880-31574-18	S-4 (2')	92	108
880-31574-19	S-4 (3')	86	98
880-31574-20	S-4 (4')	86	101
LCS 880-59333/2-A	Lab Control Sample	101	107
LCSD 880-59333/3-A	Lab Control Sample Dup	84	88
MB 880-59333/1-A	Method Blank	91	111

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59182/5-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:13	08/03/23 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 09:13	08/03/23 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:13	08/03/23 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 09:13	08/03/23 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/03/23 09:13	08/03/23 11:50	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/03/23 09:13	08/03/23 11:50	1

Lab Sample ID: MB 880-59246/5-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59246

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/03/23 23:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:51	08/03/23 23:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 12:51	08/03/23 23:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/03/23 12:51	08/03/23 23:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/03/23 12:51	08/03/23 23:02	1

Lab Sample ID: LCS 880-59246/1-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08190		mg/Kg		82	70 - 130
Toluene	0.100	0.09248		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08478		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1627		mg/Kg		81	70 - 130
o-Xylene	0.100	0.08456		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-59246/2-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07584		mg/Kg		76	70 - 130	8	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-59246/2-A

Matrix: Solid

Analysis Batch: 59174

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08807		mg/Kg		88	70 - 130	5	35
Ethylbenzene	0.100	0.08474		mg/Kg		85	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1646		mg/Kg		82	70 - 130	1	35
o-Xylene	0.100	0.08480		mg/Kg		85	70 - 130	0	35

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

Lab Sample ID: 880-31574-1 MS

Matrix: Solid

Analysis Batch: 59174

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

Prep Type: Total/NA

Prep Batch: 59246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.0996	0.07646		mg/Kg		77	70 - 130
Toluene	<0.00202	U	0.0996	0.09250		mg/Kg		93	70 - 130
Ethylbenzene	<0.00202	U	0.0996	0.08454		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1627		mg/Kg		82	70 - 130
o-Xylene	<0.00202	U	0.0996	0.08383		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-31574-1 MSD

Matrix: Solid

Analysis Batch: 59174

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

Prep Type: Total/NA

Prep Batch: 59246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.07637		mg/Kg		77	70 - 130	0	35
Toluene	<0.00202	U	0.0998	0.09059		mg/Kg		91	70 - 130	2	35
Ethylbenzene	<0.00202	U	0.0998	0.08434		mg/Kg		85	70 - 130	0	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1616		mg/Kg		81	70 - 130	1	35
o-Xylene	<0.00202	U	0.0998	0.08358		mg/Kg		84	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-59333/1-A

Matrix: Solid

Analysis Batch: 59386

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59333

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		08/04/23 11:16	08/05/23 21:59	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-59333/1-A

Matrix: Solid

Analysis Batch: 59386

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 11:16	08/05/23 21:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 11:16	08/05/23 21:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				08/04/23 11:16	08/05/23 21:59	1
o-Terphenyl	111		70 - 130				08/04/23 11:16	08/05/23 21:59	1

Lab Sample ID: LCS 880-59333/2-A

Matrix: Solid

Analysis Batch: 59386

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	697.2		mg/Kg		70	70 - 130
Diesel Range Organics (Over C10-C28)	1000	970.7		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	107		70 - 130				

Lab Sample ID: LCSD 880-59333/3-A

Matrix: Solid

Analysis Batch: 59386

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	675.2	*-	mg/Kg		68	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	885.2		mg/Kg		89	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	84		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 880-31574-1 MS

Matrix: Solid

Analysis Batch: 59386

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

Prep Type: Total/NA

Prep Batch: 59333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- F1	993	735.9		mg/Kg		71	70 - 130
Diesel Range Organics (Over C10-C28)	<50.4	U	993	904.0		mg/Kg		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	94		70 - 130						
o-Terphenyl	91		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-1 MSD

Matrix: Solid

Analysis Batch: 59386

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

Prep Type: Total/NA

Prep Batch: 59333

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	<50.4	U *- F1	993	706.1	F1	mg/Kg		68	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.4	U	993	850.2		mg/Kg		86	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	88		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59119/1-A

Matrix: Solid

Analysis Batch: 59259

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			08/03/23 14:23	1

Lab Sample ID: LCS 880-59119/2-A

Matrix: Solid

Analysis Batch: 59259

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-59119/3-A

Matrix: Solid

Analysis Batch: 59259

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	247.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-31573-A-15-B MS

Matrix: Solid

Analysis Batch: 59259

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2570		1240	3788		mg/Kg		98	90 - 110

Lab Sample ID: 880-31573-A-15-C MSD

Matrix: Solid

Analysis Batch: 59259

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	2570		1240	3783		mg/Kg		98	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-59118/1-A

Matrix: Solid

Analysis Batch: 59260

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			08/03/23 20:38	1

Lab Sample ID: LCS 880-59118/2-A

Matrix: Solid

Analysis Batch: 59260

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-59118/3-A

Matrix: Solid

Analysis Batch: 59260

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.2		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-31574-6 MS

Matrix: Solid

Analysis Batch: 59260

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2410		1260	3761		mg/Kg		107	90 - 110

Lab Sample ID: 880-31574-6 MSD

Matrix: Solid

Analysis Batch: 59260

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2410		1260	3769		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-31574-16 MS

Matrix: Solid

Analysis Batch: 59260

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	518		253	769.9		mg/Kg		100	90 - 110

Lab Sample ID: 880-31574-16 MSD

Matrix: Solid

Analysis Batch: 59260

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	518		253	771.2		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 59174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	8021B	59246
880-31574-2	S-1 (1.5')	Total/NA	Solid	8021B	59246
880-31574-3	S-1 (2')	Total/NA	Solid	8021B	59246
880-31574-4	S-1 (3')	Total/NA	Solid	8021B	59246
880-31574-5	S-1 (4')	Total/NA	Solid	8021B	59246
880-31574-6	S-2 (0-1')	Total/NA	Solid	8021B	59246
880-31574-7	S-2 (1.5')	Total/NA	Solid	8021B	59246
880-31574-8	S-2 (2')	Total/NA	Solid	8021B	59246
880-31574-9	S-2 (3')	Total/NA	Solid	8021B	59246
880-31574-10	S-2 (4')	Total/NA	Solid	8021B	59246
880-31574-11	S-3 (0-1')	Total/NA	Solid	8021B	59246
880-31574-12	S-3 (1.5')	Total/NA	Solid	8021B	59246
880-31574-13	S-3 (2')	Total/NA	Solid	8021B	59246
880-31574-14	S-3 (3')	Total/NA	Solid	8021B	59246
880-31574-15	S-3 (4')	Total/NA	Solid	8021B	59246
880-31574-16	S-4 (0-1')	Total/NA	Solid	8021B	59246
880-31574-17	S-4 (1.5')	Total/NA	Solid	8021B	59246
880-31574-18	S-4 (2')	Total/NA	Solid	8021B	59246
880-31574-19	S-4 (3')	Total/NA	Solid	8021B	59246
880-31574-20	S-4 (4')	Total/NA	Solid	8021B	59246
MB 880-59182/5-A	Method Blank	Total/NA	Solid	8021B	59182
MB 880-59246/5-A	Method Blank	Total/NA	Solid	8021B	59246
LCS 880-59246/1-A	Lab Control Sample	Total/NA	Solid	8021B	59246
LCSD 880-59246/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59246
880-31574-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	59246
880-31574-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	59246

Prep Batch: 59182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59182/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	5035	
880-31574-2	S-1 (1.5')	Total/NA	Solid	5035	
880-31574-3	S-1 (2')	Total/NA	Solid	5035	
880-31574-4	S-1 (3')	Total/NA	Solid	5035	
880-31574-5	S-1 (4')	Total/NA	Solid	5035	
880-31574-6	S-2 (0-1')	Total/NA	Solid	5035	
880-31574-7	S-2 (1.5')	Total/NA	Solid	5035	
880-31574-8	S-2 (2')	Total/NA	Solid	5035	
880-31574-9	S-2 (3')	Total/NA	Solid	5035	
880-31574-10	S-2 (4')	Total/NA	Solid	5035	
880-31574-11	S-3 (0-1')	Total/NA	Solid	5035	
880-31574-12	S-3 (1.5')	Total/NA	Solid	5035	
880-31574-13	S-3 (2')	Total/NA	Solid	5035	
880-31574-14	S-3 (3')	Total/NA	Solid	5035	
880-31574-15	S-3 (4')	Total/NA	Solid	5035	
880-31574-16	S-4 (0-1')	Total/NA	Solid	5035	
880-31574-17	S-4 (1.5')	Total/NA	Solid	5035	
880-31574-18	S-4 (2')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 59246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-19	S-4 (3')	Total/NA	Solid	5035	
880-31574-20	S-4 (4')	Total/NA	Solid	5035	
MB 880-59246/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59246/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59246/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31574-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-31574-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 59308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-31574-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-31574-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-31574-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-31574-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-31574-6	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-31574-7	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-31574-8	S-2 (2')	Total/NA	Solid	Total BTEX	
880-31574-9	S-2 (3')	Total/NA	Solid	Total BTEX	
880-31574-10	S-2 (4')	Total/NA	Solid	Total BTEX	
880-31574-11	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-31574-12	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-31574-13	S-3 (2')	Total/NA	Solid	Total BTEX	
880-31574-14	S-3 (3')	Total/NA	Solid	Total BTEX	
880-31574-15	S-3 (4')	Total/NA	Solid	Total BTEX	
880-31574-16	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-31574-17	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-31574-18	S-4 (2')	Total/NA	Solid	Total BTEX	
880-31574-19	S-4 (3')	Total/NA	Solid	Total BTEX	
880-31574-20	S-4 (4')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-31574-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-31574-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-31574-4	S-1 (3')	Total/NA	Solid	8015NM Prep	
880-31574-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-31574-6	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-31574-7	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-31574-8	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-31574-9	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-31574-10	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-31574-11	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-31574-12	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-31574-13	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-31574-14	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-31574-15	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-31574-16	S-4 (0-1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 59333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-17	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-31574-18	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-31574-19	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-31574-20	S-4 (4')	Total/NA	Solid	8015NM Prep	
MB 880-59333/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59333/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59333/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31574-1 MS	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-31574-1 MSD	S-1 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	8015B NM	59333
880-31574-2	S-1 (1.5')	Total/NA	Solid	8015B NM	59333
880-31574-3	S-1 (2')	Total/NA	Solid	8015B NM	59333
880-31574-4	S-1 (3')	Total/NA	Solid	8015B NM	59333
880-31574-5	S-1 (4')	Total/NA	Solid	8015B NM	59333
880-31574-6	S-2 (0-1')	Total/NA	Solid	8015B NM	59333
880-31574-7	S-2 (1.5')	Total/NA	Solid	8015B NM	59333
880-31574-8	S-2 (2')	Total/NA	Solid	8015B NM	59333
880-31574-9	S-2 (3')	Total/NA	Solid	8015B NM	59333
880-31574-10	S-2 (4')	Total/NA	Solid	8015B NM	59333
880-31574-11	S-3 (0-1')	Total/NA	Solid	8015B NM	59333
880-31574-12	S-3 (1.5')	Total/NA	Solid	8015B NM	59333
880-31574-13	S-3 (2')	Total/NA	Solid	8015B NM	59333
880-31574-14	S-3 (3')	Total/NA	Solid	8015B NM	59333
880-31574-15	S-3 (4')	Total/NA	Solid	8015B NM	59333
880-31574-16	S-4 (0-1')	Total/NA	Solid	8015B NM	59333
880-31574-17	S-4 (1.5')	Total/NA	Solid	8015B NM	59333
880-31574-18	S-4 (2')	Total/NA	Solid	8015B NM	59333
880-31574-19	S-4 (3')	Total/NA	Solid	8015B NM	59333
880-31574-20	S-4 (4')	Total/NA	Solid	8015B NM	59333
MB 880-59333/1-A	Method Blank	Total/NA	Solid	8015B NM	59333
LCS 880-59333/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59333
LCSD 880-59333/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59333
880-31574-1 MS	S-1 (0-1')	Total/NA	Solid	8015B NM	59333
880-31574-1 MSD	S-1 (0-1')	Total/NA	Solid	8015B NM	59333

Analysis Batch: 59472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-31574-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-31574-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-31574-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-31574-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-31574-6	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-31574-7	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-31574-8	S-2 (2')	Total/NA	Solid	8015 NM	
880-31574-9	S-2 (3')	Total/NA	Solid	8015 NM	
880-31574-10	S-2 (4')	Total/NA	Solid	8015 NM	
880-31574-11	S-3 (0-1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 59472 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-12	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-31574-13	S-3 (2')	Total/NA	Solid	8015 NM	
880-31574-14	S-3 (3')	Total/NA	Solid	8015 NM	
880-31574-15	S-3 (4')	Total/NA	Solid	8015 NM	
880-31574-16	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-31574-17	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-31574-18	S-4 (2')	Total/NA	Solid	8015 NM	
880-31574-19	S-4 (3')	Total/NA	Solid	8015 NM	
880-31574-20	S-4 (4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-6	S-2 (0-1')	Soluble	Solid	DI Leach	
880-31574-7	S-2 (1.5')	Soluble	Solid	DI Leach	
880-31574-8	S-2 (2')	Soluble	Solid	DI Leach	
880-31574-9	S-2 (3')	Soluble	Solid	DI Leach	
880-31574-10	S-2 (4')	Soluble	Solid	DI Leach	
880-31574-11	S-3 (0-1')	Soluble	Solid	DI Leach	
880-31574-12	S-3 (1.5')	Soluble	Solid	DI Leach	
880-31574-13	S-3 (2')	Soluble	Solid	DI Leach	
880-31574-14	S-3 (3')	Soluble	Solid	DI Leach	
880-31574-15	S-3 (4')	Soluble	Solid	DI Leach	
880-31574-16	S-4 (0-1')	Soluble	Solid	DI Leach	
880-31574-17	S-4 (1.5')	Soluble	Solid	DI Leach	
880-31574-18	S-4 (2')	Soluble	Solid	DI Leach	
880-31574-19	S-4 (3')	Soluble	Solid	DI Leach	
880-31574-20	S-4 (4')	Soluble	Solid	DI Leach	
MB 880-59118/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59118/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59118/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31574-6 MS	S-2 (0-1')	Soluble	Solid	DI Leach	
880-31574-6 MSD	S-2 (0-1')	Soluble	Solid	DI Leach	
880-31574-16 MS	S-4 (0-1')	Soluble	Solid	DI Leach	
880-31574-16 MSD	S-4 (0-1')	Soluble	Solid	DI Leach	

Leach Batch: 59119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-31574-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-31574-3	S-1 (2')	Soluble	Solid	DI Leach	
880-31574-4	S-1 (3')	Soluble	Solid	DI Leach	
880-31574-5	S-1 (4')	Soluble	Solid	DI Leach	
MB 880-59119/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59119/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59119/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31573-A-15-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-31573-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 59259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-1	S-1 (0-1')	Soluble	Solid	300.0	59119
880-31574-2	S-1 (1.5')	Soluble	Solid	300.0	59119
880-31574-3	S-1 (2')	Soluble	Solid	300.0	59119
880-31574-4	S-1 (3')	Soluble	Solid	300.0	59119
880-31574-5	S-1 (4')	Soluble	Solid	300.0	59119
MB 880-59119/1-A	Method Blank	Soluble	Solid	300.0	59119
LCS 880-59119/2-A	Lab Control Sample	Soluble	Solid	300.0	59119
LCSD 880-59119/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59119
880-31573-A-15-B MS	Matrix Spike	Soluble	Solid	300.0	59119
880-31573-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59119

Analysis Batch: 59260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31574-6	S-2 (0-1')	Soluble	Solid	300.0	59118
880-31574-7	S-2 (1.5')	Soluble	Solid	300.0	59118
880-31574-8	S-2 (2')	Soluble	Solid	300.0	59118
880-31574-9	S-2 (3')	Soluble	Solid	300.0	59118
880-31574-10	S-2 (4')	Soluble	Solid	300.0	59118
880-31574-11	S-3 (0-1')	Soluble	Solid	300.0	59118
880-31574-12	S-3 (1.5')	Soluble	Solid	300.0	59118
880-31574-13	S-3 (2')	Soluble	Solid	300.0	59118
880-31574-14	S-3 (3')	Soluble	Solid	300.0	59118
880-31574-15	S-3 (4')	Soluble	Solid	300.0	59118
880-31574-16	S-4 (0-1')	Soluble	Solid	300.0	59118
880-31574-17	S-4 (1.5')	Soluble	Solid	300.0	59118
880-31574-18	S-4 (2')	Soluble	Solid	300.0	59118
880-31574-19	S-4 (3')	Soluble	Solid	300.0	59118
880-31574-20	S-4 (4')	Soluble	Solid	300.0	59118
MB 880-59118/1-A	Method Blank	Soluble	Solid	300.0	59118
LCS 880-59118/2-A	Lab Control Sample	Soluble	Solid	300.0	59118
LCSD 880-59118/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59118
880-31574-6 MS	S-2 (0-1')	Soluble	Solid	300.0	59118
880-31574-6 MSD	S-2 (0-1')	Soluble	Solid	300.0	59118
880-31574-16 MS	S-4 (0-1')	Soluble	Solid	300.0	59118
880-31574-16 MSD	S-4 (0-1')	Soluble	Solid	300.0	59118

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-1

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/03/23 23:24	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/05/23 23:04	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59119	08/02/23 14:21	KS	EET MID
Soluble	Analysis	300.0		5			59259	08/03/23 17:21	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-31574-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/03/23 23:45	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 00:09	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59119	08/02/23 14:21	KS	EET MID
Soluble	Analysis	300.0		1			59259	08/03/23 17:28	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-31574-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 00:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 00:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59119	08/02/23 14:21	KS	EET MID
Soluble	Analysis	300.0		1			59259	08/03/23 17:35	CH	EET MID

Client Sample ID: S-1 (3')

Lab Sample ID: 880-31574-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 00:26	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-1 (3')

Lab Sample ID: 880-31574-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 00:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59119	08/02/23 14:21	KS	EET MID
Soluble	Analysis	300.0		1			59259	08/03/23 17:42	CH	EET MID

Client Sample ID: S-1 (4')

Lab Sample ID: 880-31574-5

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 00:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 01:13	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59119	08/02/23 14:21	KS	EET MID
Soluble	Analysis	300.0		1			59259	08/03/23 17:48	CH	EET MID

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

Lab Sample ID: 880-31574-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 01:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 01:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		5			59260	08/03/23 20:53	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-31574-7

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 01:28	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 01:56	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-2 (1.5')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:08	CH	EET MID

Client Sample ID: S-2 (2')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 01:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 02:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:13	CH	EET MID

Client Sample ID: S-2 (3')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 02:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 02:38	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:18	CH	EET MID

Client Sample ID: S-2 (4')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 02:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 02:59	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:23	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31574-11

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 03:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 03:41	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:39	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-31574-12

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 04:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 04:02	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:44	CH	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-31574-13

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 04:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 04:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:49	CH	EET MID

Client Sample ID: S-3 (3')

Lab Sample ID: 880-31574-14

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 04:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-3 (3')

Lab Sample ID: 880-31574-14

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 04:44	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:54	CH	EET MID

Client Sample ID: S-3 (4')

Lab Sample ID: 880-31574-15

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 05:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 05:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 21:59	CH	EET MID

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

Lab Sample ID: 880-31574-16

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 05:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 05:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 22:04	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-31574-17

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 05:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 05:46	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Client Sample ID: S-4 (1.5')

Date Collected: 08/01/23 00:00

Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 22:19	CH	EET MID

Client Sample ID: S-4 (2')

Date Collected: 08/01/23 00:00

Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-18

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			5.02 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 06:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 06:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 22:24	CH	EET MID

Client Sample ID: S-4 (3')

Date Collected: 08/01/23 00:00

Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 06:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 06:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 22:39	CH	EET MID

Client Sample ID: S-4 (4')

Date Collected: 08/01/23 00:00

Date Received: 08/02/23 11:24

Lab Sample ID: 880-31574-20

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			4.99 g	5 mL	59246	08/03/23 12:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59174	08/04/23 06:57	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59308	08/04/23 10:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			59472	08/07/23 10:01	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59333	08/04/23 11:17	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59386	08/06/23 06:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59118	08/02/23 14:19	KS	EET MID
Soluble	Analysis	300.0		1			59260	08/03/23 22:44	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, 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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, 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: Hound 30 Fec CTB

Job ID: 880-31574-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31574-1	S-1 (0-1')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-2	S-1 (1.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-3	S-1 (2')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-4	S-1 (3')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-5	S-1 (4')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-6	S-2 (0-1')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-7	S-2 (1.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-8	S-2 (2')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-9	S-2 (3')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-10	S-2 (4')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-11	S-3 (0-1')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-12	S-3 (1.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-13	S-3 (2')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-14	S-3 (3')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-15	S-3 (4')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-16	S-4 (0-1')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-17	S-4 (1.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-18	S-4 (2')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-19	S-4 (3')	Solid	08/01/23 00:00	08/02/23 11:24
880-31574-20	S-4 (4')	Solid	08/01/23 00:00	08/02/23 11:24

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880-31574 Chain of Custody

Page 1 of 2

Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd Wells@eogresources.com

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

Project Name		Hound 30 Fed CTB		Turn Around			ANALYSIS REQUEST												Preservative Codes	
Project Number	2105		☐ Routine ☒ Rush		Pres. Code												None NO	DI Water H ₂ O		
Project Location	Lea County, NM		Due Date	72Hrs													Cool Cool	MeOH Me		
Sampler's Name	DD & JR																HCL HC	HNO ₃ HN		
PO #:			72-hour TAT														H ₂ SO ₄ H ₂	NaOH Na		
SAMPLE RECEIPT			Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐													H ₃ PO ₄ HP	
Received Intact:			Yes ☒ No ☐	Thermometer ID													NaHSO ₄ NABIS			
Cooler Custody Seals			Yes ☒ No ☐	Correction Factor													Na ₂ S ₂ O ₃ NaSO ₃			
Sample Custody Seals			Yes ☒ No ☐	Temperature Reading													Zn Acetate+NaOH Zn			
Total Containers:				Corrected Temperature													NaOH+Ascorbic Acid SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B										Sample Comments		
S-1 (0-1')		8/1/2023		X		Grab	1	TPH 8015M (GRO + DRO + MRO)												
S-1 (1.5')		8/1/2023		X		Grab	1	Chloride 300.0												
S-1 (2')		8/1/2023		X		Grab	1													
S-1 (3')		8/1/2023		X		Grab	1													
S-1 (4')		8/1/2023		X		Grab	1													
S-2 (0-1')		8/1/2023		X		Grab	1													
S-2 (1.5')		8/1/2023		X		Grab	1													
S-2 (2')		8/1/2023		X		Grab	1													
S-2 (3')		8/1/2023		X		Grab	1													
S-2 (4')		8/1/2023		X		Grab	1													

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	8-2-23 11:24	<i>[Signature]</i>	

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Loc: 880
31574
Work Order No. : _____

Project Manager		Conner Moehring		Bill to (if different)		Todd Wells	
Company Name		Carmona Resources		Company Name		EOG Resources	
Address		310 W Wall St Ste 500		Address		5509 Champions Dr	
City, State ZIP		Midland, TX 79701		City State ZIP		Midland Tx 79706	
Phone		432-813-6823		Email		Todd_Wells@eogresources.com	

Work Order Comments											
Program: UST/PST ☐ PRP ☐ rownfields ☐ RC ☐ perfund ☐											
State of Project:											
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ level IV ☐											
Deliverables EDD ☐ ADAPT ☐ Other _____											

Project Name		Hound 30 Fed CTB		Turn Around		Pras. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number		2105		☐ Routine ☒ Rush														None NO		DI Water- H ₂ O	
Project Location		Lea County, NM		Due Date		72Hrs												Cool Cool		MeOH Me	
Sampler's Name		DD & JR				72-hour TAT												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			
Coder 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
		8-2-23 11:24					

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31574-1
SDG Number: Lea County, NM

Login Number: 31574

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2023 2:45:05 PM

JOB DESCRIPTION

Hound 30 Fed CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-31572-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/7/2023 2:45:05 PM

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

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Laboratory Job ID: 880-31572-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Job ID: 880-31572-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31572-1
-----------	------------------------------

Receipt

The samples were received on 8/2/2023 11:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-31572-1), H-2 (0-0.5') (880-31572-2), H-3 (0-0.5') (880-31572-3), H-4 (0-0.5') (880-31572-4), H-5 (0-0.5') (880-31572-5), H-6 (0-0.5') (880-31572-6) and H-7 (0-0.5') (880-31572-7).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-59245 and analytical batch 880-59175 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-59354 and analytical batch 880-59405 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-59405/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-6 (0-0.5') (880-31572-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-1

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 03:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:39	08/04/23 03:46	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		08/03/23 12:39	08/04/23 03:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		08/03/23 12:39	08/04/23 03:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:39	08/04/23 03:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		08/03/23 12:39	08/04/23 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	08/03/23 12:39	08/04/23 03:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/03/23 12:39	08/04/23 03:46	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			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		08/04/23 15:42	08/06/23 23:28	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		08/04/23 15:42	08/06/23 23:28	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		08/04/23 15:42	08/06/23 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	08/04/23 15:42	08/06/23 23:28	1
o-Terphenyl	114		70 - 130	08/04/23 15:42	08/06/23 23:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.3		5.02		mg/Kg			08/03/23 19:03	1

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

Lab Sample ID: 880-31572-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 04:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 04:07	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		08/03/23 12:39	08/04/23 04:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/03/23 12:39	08/04/23 04:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 04:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/03/23 12:39	08/04/23 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/03/23 12:39	08/04/23 04:07	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/03/23 12:39	08/04/23 04:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/07/23 15:23	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		08/04/23 15:42	08/06/23 23:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/23 15:42	08/06/23 23:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/23 15:42	08/06/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				08/04/23 15:42	08/06/23 23:50	1
o-Terphenyl	75		70 - 130				08/04/23 15:42	08/06/23 23:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		5.05		mg/Kg			08/03/23 19:08	1

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

Lab Sample ID: 880-31572-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 04:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/03/23 12:39	08/04/23 04:27	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		08/03/23 12:39	08/04/23 04:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/03/23 12:39	08/04/23 04:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/03/23 12:39	08/04/23 04:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/03/23 12:39	08/04/23 04:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/03/23 12:39	08/04/23 04:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130				08/03/23 12:39	08/04/23 04:27	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			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 00:11	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 00:11	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		08/04/23 15:42	08/07/23 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				08/04/23 15:42	08/07/23 00:11	1
o-Terphenyl	117		70 - 130				08/04/23 15:42	08/07/23 00:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		5.04		mg/Kg			08/03/23 19:23	1

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

Lab Sample ID: 880-31572-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 06:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:39	08/04/23 06:38	1
Ethylbenzene	<0.00202	U *	0.00202		mg/Kg		08/03/23 12:39	08/04/23 06:38	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/03/23 12:39	08/04/23 06:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/03/23 12:39	08/04/23 06:38	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/03/23 12:39	08/04/23 06:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				08/03/23 12:39	08/04/23 06:38	1
1,4-Difluorobenzene (Surr)	98		70 - 130				08/03/23 12:39	08/04/23 06:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.4		50.0		mg/Kg			08/07/23 15:23	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		08/04/23 15:42	08/07/23 00:33	1
Diesel Range Organics (Over C10-C28)	61.4		50.0		mg/Kg		08/04/23 15:42	08/07/23 00:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 15:42	08/07/23 00:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				08/04/23 15:42	08/07/23 00:33	1
o-Terphenyl	127		70 - 130				08/04/23 15:42	08/07/23 00:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		5.00		mg/Kg			08/03/23 19:28	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-5

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 06:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:39	08/04/23 06:58	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		08/03/23 12:39	08/04/23 06:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/03/23 12:39	08/04/23 06:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/03/23 12:39	08/04/23 06:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/03/23 12:39	08/04/23 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/03/23 12:39	08/04/23 06:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/03/23 12:39	08/04/23 06:58	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			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		08/04/23 15:42	08/07/23 00:55	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		08/04/23 15:42	08/07/23 00:55	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/04/23 15:42	08/07/23 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	08/04/23 15:42	08/07/23 00:55	1
o-Terphenyl	121		70 - 130	08/04/23 15:42	08/07/23 00:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7		5.00		mg/Kg			08/03/23 19:43	1

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

Lab Sample ID: 880-31572-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 07:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:19	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/03/23 12:39	08/04/23 07:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/03/23 12:39	08/04/23 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/03/23 12:39	08/04/23 07:19	1
1,4-Difluorobenzene (Surr)	98		70 - 130	08/03/23 12:39	08/04/23 07:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		08/04/23 15:42	08/07/23 01:16	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 15:42	08/07/23 01:16	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 15:42	08/07/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130				08/04/23 15:42	08/07/23 01:16	1
o-Terphenyl	147	S1+	70 - 130				08/04/23 15:42	08/07/23 01:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.7		5.04		mg/Kg			08/03/23 19:48	1

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

Lab Sample ID: 880-31572-7

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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		08/03/23 12:39	08/04/23 07:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:39	1
Ethylbenzene	<0.00198	U *	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		08/03/23 12:39	08/04/23 07:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/03/23 12:39	08/04/23 07:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		08/03/23 12:39	08/04/23 07:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				08/03/23 12:39	08/04/23 07:39	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/03/23 12:39	08/04/23 07:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			08/04/23 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/07/23 15:23	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		08/04/23 15:42	08/07/23 01:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 15:42	08/07/23 01:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-0.5')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31572-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 15:42	08/07/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				08/04/23 15:42	08/07/23 01:38	1
o-Terphenyl	124		70 - 130				08/04/23 15:42	08/07/23 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.3		5.01		mg/Kg			08/03/23 19:52	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, 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)				
880-31572-1	H-1 (0-0.5')	96	103				
880-31572-2	H-2 (0-0.5')	94	102				
880-31572-3	H-3 (0-0.5')	86	104				
880-31572-4	H-4 (0-0.5')	86	98				
880-31572-5	H-5 (0-0.5')	94	103				
880-31572-6	H-6 (0-0.5')	101	98				
880-31572-7	H-7 (0-0.5')	101	96				
890-5003-A-9-C MS	Matrix Spike	71	123				
890-5003-A-9-D MSD	Matrix Spike Duplicate	92	101				
LCS 880-59245/1-A	Lab Control Sample	89	99				
LCSD 880-59245/2-A	Lab Control Sample Dup	90	100				
MB 880-59197/5-A	Method Blank	100	107				
MB 880-59245/5-A	Method Blank	101	129				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	1CO1	OTPH1						
		(70-130)	(70-130)						
880-31572-1	H-1 (0-0.5')	111	114						
880-31572-2	H-2 (0-0.5')	72	75						
880-31572-3	H-3 (0-0.5')	113	117						
880-31572-4	H-4 (0-0.5')	120	127						
880-31572-5	H-5 (0-0.5')	118	121						
880-31572-6	H-6 (0-0.5')	152 S1+	147 S1+						
880-31572-7	H-7 (0-0.5')	123	124						
880-31672-A-1-D MS	Matrix Spike	107	104						
880-31672-A-1-E MSD	Matrix Spike Duplicate	107	105						
LCS 880-59354/2-A	Lab Control Sample	101	115						
LCSD 880-59354/3-A	Lab Control Sample Dup	104	117						
MB 880-59354/1-A	Method Blank	121	134 S1+						
Surrogate Legend									
1CO = 1-Chlorooctane									
OTPH = o-Terphenyl									

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QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59197/5-A

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59197

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:43	08/03/23 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:43	08/03/23 13:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:43	08/03/23 13:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 09:43	08/03/23 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 09:43	08/03/23 13:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 09:43	08/03/23 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	08/03/23 09:43	08/03/23 13:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130	08/03/23 09:43	08/03/23 13:09	1

Lab Sample ID: MB 880-59245/5-A

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 01:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/03/23 12:39	08/04/23 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/03/23 12:39	08/04/23 01:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/03/23 12:39	08/04/23 01:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	08/03/23 12:39	08/04/23 01:15	1
1,4-Difluorobenzene (Surr)	129		70 - 130	08/03/23 12:39	08/04/23 01:15	1

Lab Sample ID: LCS 880-59245/1-A

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07626		mg/Kg		76	70 - 130
Toluene	0.100	0.07739		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.06589	*-	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	0.200	0.1506		mg/Kg		75	70 - 130
o-Xylene	0.100	0.07571		mg/Kg		76	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-59245/2-A

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07805		mg/Kg		78	70 - 130	2	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-59245/2-A

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59245

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.07715		mg/Kg		77	70 - 130	0	35
Ethylbenzene	0.100	0.06720	*-	mg/Kg		67	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1535		mg/Kg		77	70 - 130	2	35
o-Xylene	0.100	0.07862		mg/Kg		79	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-5003-A-9-C MS

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.07381		mg/Kg		74	70 - 130
Toluene	<0.00200	U	0.0996	0.08857		mg/Kg		89	70 - 130
Ethylbenzene	<0.00200	U *	0.0996	0.07231		mg/Kg		73	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.199	0.1585		mg/Kg		80	70 - 130
o-Xylene	<0.00200	U	0.0996	0.07578		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	71		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 890-5003-A-9-D MSD

Matrix: Solid

Analysis Batch: 59175

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09337		mg/Kg		94	70 - 130	23	35
Toluene	<0.00200	U	0.0990	0.08935		mg/Kg		90	70 - 130	1	35
Ethylbenzene	<0.00200	U *	0.0990	0.07941		mg/Kg		80	70 - 130	9	35
m-Xylene & p-Xylene	<0.00400	U	0.198	0.1772		mg/Kg		90	70 - 130	11	35
o-Xylene	<0.00200	U	0.0990	0.08878		mg/Kg		90	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-59354/1-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59354

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		08/04/23 15:41	08/06/23 20:54	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-59354/1-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59354

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				08/04/23 15:41	08/06/23 20:54	1
o-Terphenyl	134	S1+	70 - 130				08/04/23 15:41	08/06/23 20:54	1

Lab Sample ID: LCS 880-59354/2-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59354

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1152		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	926.5		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	115		70 - 130				

Lab Sample ID: LCSD 880-59354/3-A

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59354

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1161		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	938.6		mg/Kg		94	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	104		70 - 130						
o-Terphenyl	117		70 - 130						

Lab Sample ID: 880-31672-A-1-D MS

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59354

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	993	879.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	993	1007		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	104		70 - 130						

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31672-A-1-E MSD

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59354

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	<50.1	U	993	864.8		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	993	1010		mg/Kg		97	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	105		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59122/1-A

Matrix: Solid

Analysis Batch: 59258

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			08/03/23 17:44	1

Lab Sample ID: LCS 880-59122/2-A

Matrix: Solid

Analysis Batch: 59258

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-59122/3-A

Matrix: Solid

Analysis Batch: 59258

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-31572-2 MS

Matrix: Solid

Analysis Batch: 59258

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.0		253	293.0		mg/Kg		99	90 - 110

Lab Sample ID: 880-31572-2 MSD

Matrix: Solid

Analysis Batch: 59258

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.0		253	293.3		mg/Kg		99	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 59175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	8021B	59245
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	8021B	59245
MB 880-59197/5-A	Method Blank	Total/NA	Solid	8021B	59197
MB 880-59245/5-A	Method Blank	Total/NA	Solid	8021B	59245
LCS 880-59245/1-A	Lab Control Sample	Total/NA	Solid	8021B	59245
LCSD 880-59245/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59245
890-5003-A-9-C MS	Matrix Spike	Total/NA	Solid	8021B	59245
890-5003-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59245

Prep Batch: 59197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59197/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-59245/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59245/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59245/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5003-A-9-C MS	Matrix Spike	Total/NA	Solid	5035	
890-5003-A-9-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 59354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	59354
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015B NM	59354
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59354
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59354
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	59354
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59354

Analysis Batch: 59544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-31572-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-59122/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59122/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59122/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31572-2 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-31572-2 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 59258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31572-1	H-1 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-2	H-2 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-3	H-3 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-4	H-4 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-5	H-5 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-6	H-6 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-7	H-7 (0-0.5')	Soluble	Solid	300.0	59122
MB 880-59122/1-A	Method Blank	Soluble	Solid	300.0	59122
LCS 880-59122/2-A	Lab Control Sample	Soluble	Solid	300.0	59122
LCSD 880-59122/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59122
880-31572-2 MS	H-2 (0-0.5')	Soluble	Solid	300.0	59122
880-31572-2 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	59122

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-1

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 03:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/06/23 23:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:03	CH	EET MID

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

Lab Sample ID: 880-31572-2

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 04:07	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/06/23 23:50	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:08	CH	EET MID

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

Lab Sample ID: 880-31572-3

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 04:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 00:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:23	CH	EET MID

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

Lab Sample ID: 880-31572-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 06:38	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

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

Lab Sample ID: 880-31572-4

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 00:33	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:28	CH	EET MID

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

Lab Sample ID: 880-31572-5

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 06:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 00:55	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:43	CH	EET MID

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

Lab Sample ID: 880-31572-6

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

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	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 07:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 01:16	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:48	CH	EET MID

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

Lab Sample ID: 880-31572-7

Date Collected: 08/01/23 00:00

Matrix: Solid

Date Received: 08/02/23 11:24

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	59245	08/03/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59175	08/04/23 07:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59312	08/04/23 10:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			59544	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 01:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Client Sample ID: H-7 (0-0.5')
Date Collected: 08/01/23 00:00
Date Received: 08/02/23 11:24

Lab Sample ID: 880-31572-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	59122	08/02/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1			59258	08/03/23 19:52	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, 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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, 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: Hound 30 Fed CTB

Job ID: 880-31572-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31572-1	H-1 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-2	H-2 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-3	H-3 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-4	H-4 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-5	H-5 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-6	H-6 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24
880-31572-7	H-7 (0-0.5')	Solid	08/01/23 00:00	08/02/23 11:24

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Project Manager	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Tx 79706
Phone:	432-813-6823	Email	Todd Wells@eogresources.com

Work Order Comments	
Program: UST/PST	☐ PRP ☐ rownfields ☐ RC ☐ perfund
State of Project:	
Reporting Level II	☐ Level III ☐ ST/UST ☐ RRP ☐ level IV
Deliverables EDD	☐ ADAPT ☐ Other



880-31572 Chain of Custody

Page 1 of 1

ANALYSIS REQUEST				Preservative Codes	
Project Name	Hound 30 Fed CTB	Turn Around	☐ Routine ☒ Rush	None NO	DI Water H ₂ O
Project Number	2105	Due Date	72Hrs	Cool Cool	MeOH Me
Project Location	Lea County, NM	72-hour TAT		HCL, HC	HNO ₃ HN
Sampler's Name	DD & JR	Parameters		H ₂ SO ₄ H ₂	NaOH Na
PO #		BTEX 8021B		H ₃ PO ₄ HP	
SAMPLE RECEIPT	Temp Blank:	Yes	No	NaHSO ₄ NABIS	
	Received Intact:	Yes	No	Na ₂ S ₂ O ₃ NaSO ₃	
	Cooler Custody Seals:	Yes	No	Zn Acetate+NaOH Zn	
	Sample Custody Seals:	Yes	No	NaOH+Ascorbic Acid SAPC	
Total Containers:		Corrected Temperature	2.3	Sample Comments	
Sample Identification	Date	Time	Soil	Water	Grab/Comp
H-1 (0-0.5')	8/1/2023		X		Grab 1
H-2 (0-0.5')	8/1/2023		X		Grab 1
H-3 (0-0.5')	8/1/2023		X		Grab 1
H-4 (0-0.5')	8/1/2023		X		Grab 1
H-5 (0-0.5')	8/1/2023		X		Grab 1
H-6 (0-0.5')	8/1/2023		X		Grab 1
H-7 (0-0.5')	8/1/2023		X		Grab 1

Comments: Email to Mike Carmona / Mccarmona@carmonarresources.com and Conner Moehring / Cmoehring@carmonarresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8-2-23 1124		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31572-1
SDG Number: Lea County, NM

Login Number: 31572

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	



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 12, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: HOUND 30 FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/11/23 8:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 1 (1.5') (H234896-01)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18	
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92	
Total BTEX	<0.300	0.300	09/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/11/2023	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 2 (1.5') (H234896-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 3 (1.5') (H234896-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 4 (1.5') (H234896-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 5 (1.5') (H234896-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 6 (1.5') (H234896-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 7 (1.5') (H234896-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 8 (1.5') (H234896-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 1 (1.5') (H234896-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 2 (1.5') (H234896-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 3 (1.5') (H234896-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 4 (1.5') (H234896-12)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 5 (1.5') (H234896-13)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 6 (1.5') (H234896-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 7 (1.5') (H234896-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 8 (1.5') (H234896-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 9 (1.5') (H234896-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 10 (1.5') (H234896-18)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 11 (1.5') (H234896-19)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTX	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received: 09/11/2023
 Reported: 09/12/2023
 Project Name: HOUND 30 FED CTB
 Project Number: 2105
 Project Location: EOG - LEA COUNTY, NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 12 (1.5') (H234896-20)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	ND	1.99	99.6	2.00	2.18		
Toluene*	<0.050	0.050	09/11/2023	ND	2.05	102	2.00	1.17		
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.98	98.9	2.00	2.42		
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.94	99.0	6.00	2.92		
Total BTEx	<0.300	0.300	09/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/11/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	193	96.3	200	5.76	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	177	88.7	200	5.48	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA348910Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Todd Wells
Company Name:	Carmona Resources	Company Name:	EOG Resources
Address:	310 W Wall St Ste 500	Address:	5509 Champions Dr
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Midland, Tx 79706
Phone:	432-813-6823	Email:	Todd Wells@eogresources.com

Project Name:	Hound 30 Fed CTB	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2105	☐ Routine ☒ Rush															None: NO	DI Water: H ₂ O
Project Location:	Lea County, NM	Due Date:	24 HR														Cool: Cool	MeOH: Me
Sampler's Name:	JR																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No													H ₃ PO ₄ : HP	
Received Intact:	Yes No		Thermometer ID:														NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes No		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No		Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:			Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-1 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-2 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-3 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-4 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-5 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-6 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-7 (1.5)	9/8/2023		X		Comp	1	X	X	X										
CS-8 (1.5)	9/8/2023		X		Comp	1	X	X	X										
SW-1 (1.5)	9/8/2023		X		Comp	1	X	X	X										
SW-2 (1.5)	9/8/2023		X		Comp	1	X	X	X										

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9/10/23 8:14		9/11/23 8:14

Work Order No: HA34896

Project Manager:		Conner Moehring		Bill to: (if different)		Todd Wells	
Company Name:		Carmona Resources		Company Name:		EOG Resources	
Address:		310 W Wall St Ste 500		Address:		5509 Champions Dr	
City, State ZIP:		Midland, TX 79701		City, State ZIP:		Midland, Tx 79706	
Phone:		432-813-6823		Email:		Todd Wells@eogresources.com	

Work Order Comments Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund State of Project: Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV Deliverables: EDD ☐ ADAPT ☐ Other:									
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Project Name:		Hound 30 Fed CTB		Turn Around		ANALYSIS REQUEST												Preservative Codes															
Project Number:	2105	☐ Routine ☒ Rush																None: NO DI Water: H ₂ O															
Project Location	Lea County, NM	Due Date:		24 HR														Cool: Cool MeOH: Me															
Sampler's Name:	JR	72-hour TAT																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:				140														NaHSO ₄ : NABIS											
Codium Custody Seals:		Yes No N/A		Correction Factor:				-1.52														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							
SW-3 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-4 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-5 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-6 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-7 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-8 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-9 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-10 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-11 (1.5')		9/8/2023				X				Comp		1		X		X		X															
SW-12 (1.5')		9/8/2023				X				Comp		1		X		X		X															
Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com																																	
Relinquished by: (Signature)										Date/Time				Received by: (Signature)										Date/Time									
										9/11/23 - 8:14														9/11/23 8:14									

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 284513

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 284513
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/23/2024