

CARMONA RESOURCES



SITE INFORMATION

Closure Report

Lomas Rojas 26 State Com CTB - #502H Separator

Incident ID: NAPP2313654813

Lea County, New Mexico

Unit P Sec 26 T25S R33E

32.096652°, -103.537399°

Produced Water Release

Point of Release: Equipment Failure

Release Date: 05/13/23

Volume Released: 16 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

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



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August 17, 2023

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

Re: Closure Report
Lomas Rojas 26 State Com CTB - #502H Separator
EOG Resources Inc.
Incident #: nAPP2313654813
Site Location: Unit P Sec 26 T25S R33E
(Lat 32.096652°, Long - 103.537399°)
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 the Lomas Rojas 26 State Com CTB - #502H Separator site activities. The site is located at 32.096652°, - 103.537399° within Unit P Sec 26 T25S R33E, 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 May 13, 2023, and was caused by a leak in the water leg at the #502H separator. It released approximately sixteen (16) 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 sources are within a 0.50-mile radius of the location.

The nearest identified well is located approximately 0.64 miles West of the site in S26, T25S, R33E, and was drilled in 1925. The well's depth has been updated to 130 feet below the ground surface (ft bgs) from the original report of 110 ft bgs. The well is an inactive windmill, and Concho measured its water depth as 130 ft bgs in January 2021. A copy of the associated Point of Diversion Summary report is attached in Appendix D.

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

On May 22, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of one (1) sample point (S-1), three (3) trenches (T-1 through T-3), and four (4) horizontal samples (H-1 through H-4) were advanced to depths ranging from the surface to 4' bgs inside and surrounding the release areas to evaluate the vertical and horizontal extent. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 3.

See Table 1 for the analytical results.

5.0 Remediation Activities

Before excavation activities occurred, all lines were hydro vacced, hand spotted with shovels and braced to ensure all contamination was removed. Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOC division office was notified via email on July 10, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. After all hazards were identified, the area of S-1 was excavated to a depth of 3.0' below the surface, the area of T-1 was excavated to a depth of 4.25'-4.5' below the surface, and the area of T-2 and T-3 was excavated to a depth of 3.5' below the surface to remove all the impacted soils. A total of twelve (12) floor confirmation samples were collected (CS-1 through CS-12), and twenty-one (21) sidewall samples (SW-1 through SW-21) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory and reclamation requirements for TPH, BTEX, and chloride. Except for the area of SW-14, which had a total TPH value of 109 mg/kg. The sidewall was excavated an additional 0.5', and the sample was recollected to ensure all impacted material was removed. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 420 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. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

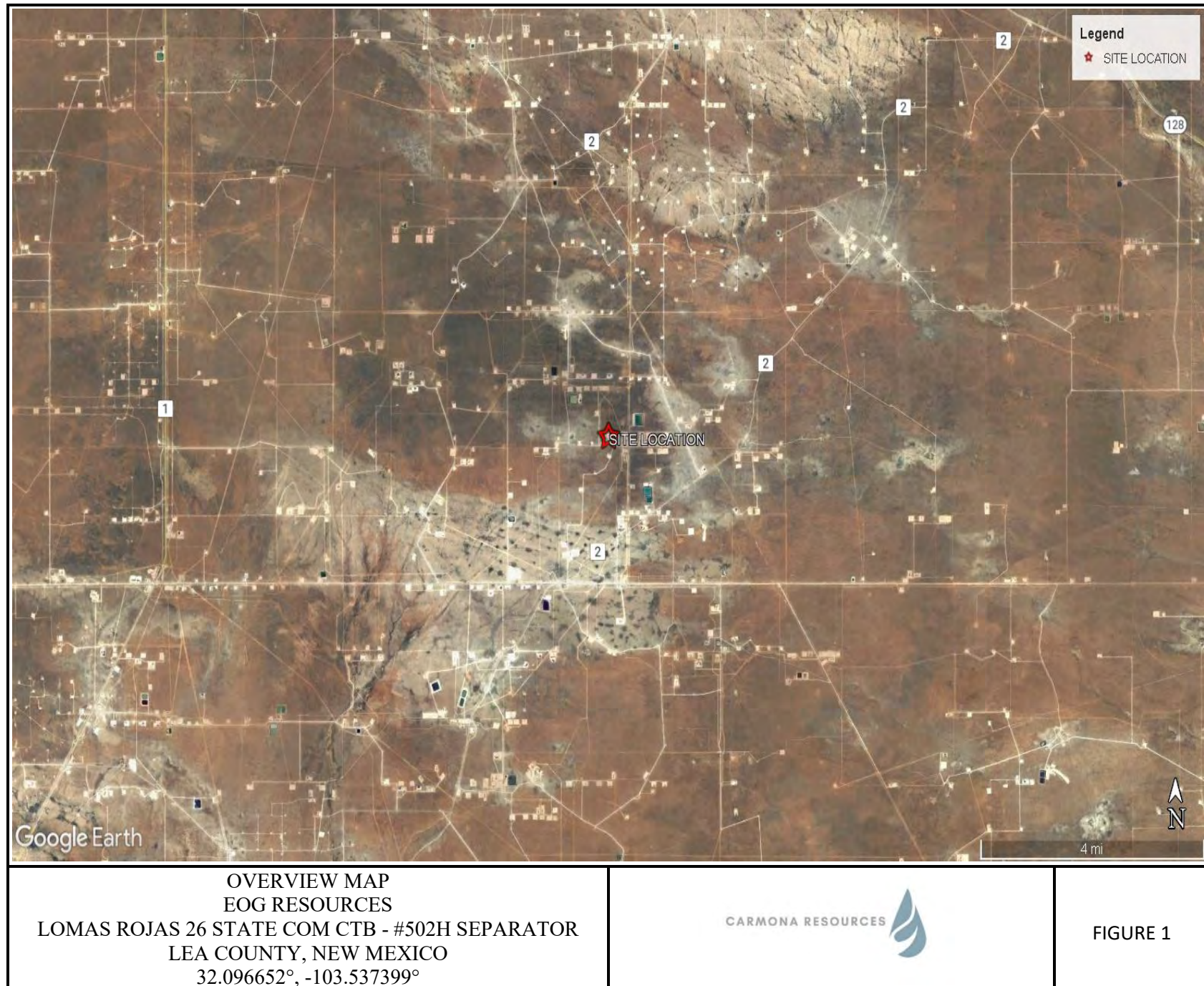
Mike Carmona
Environmental Manager

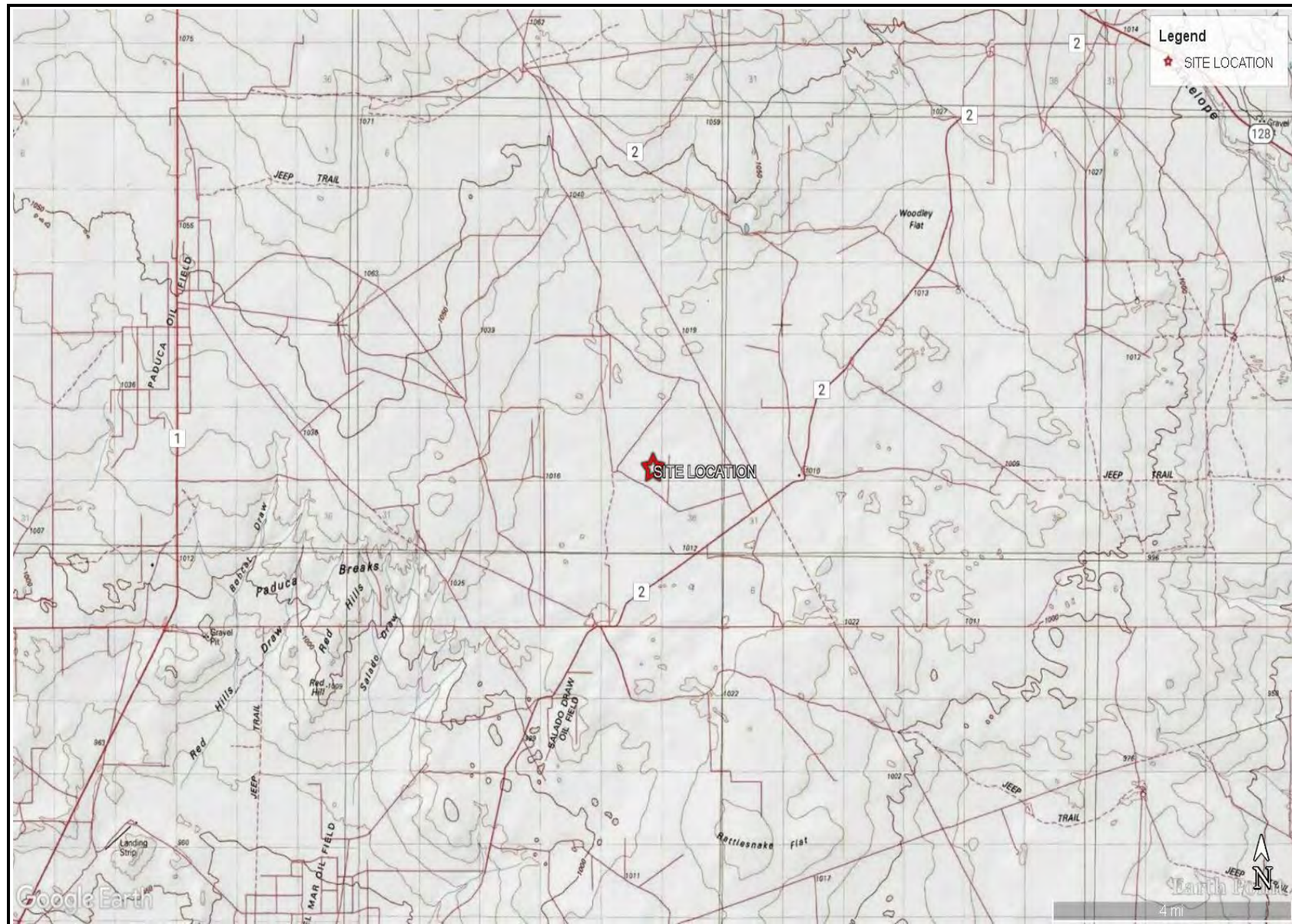
Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES



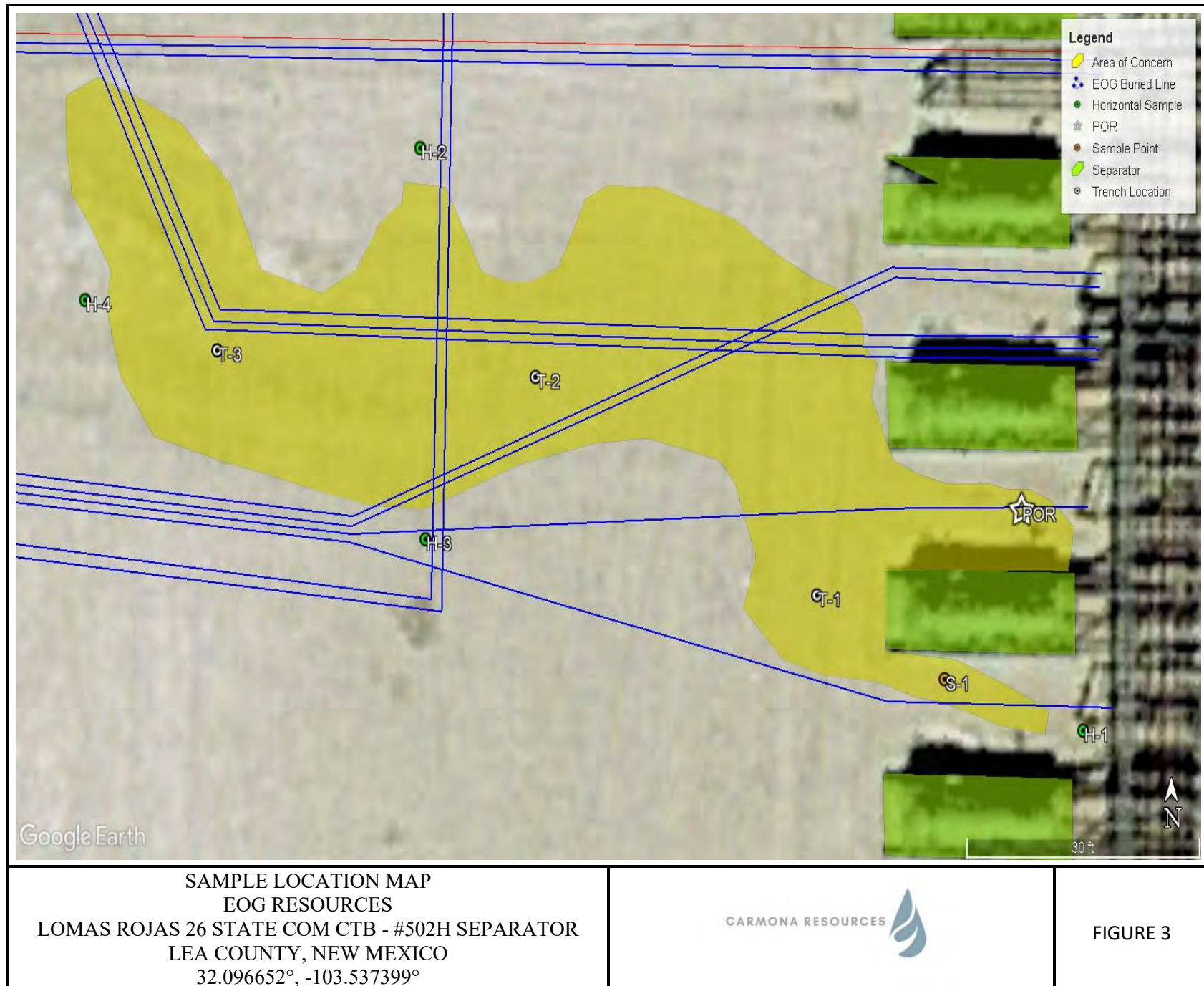


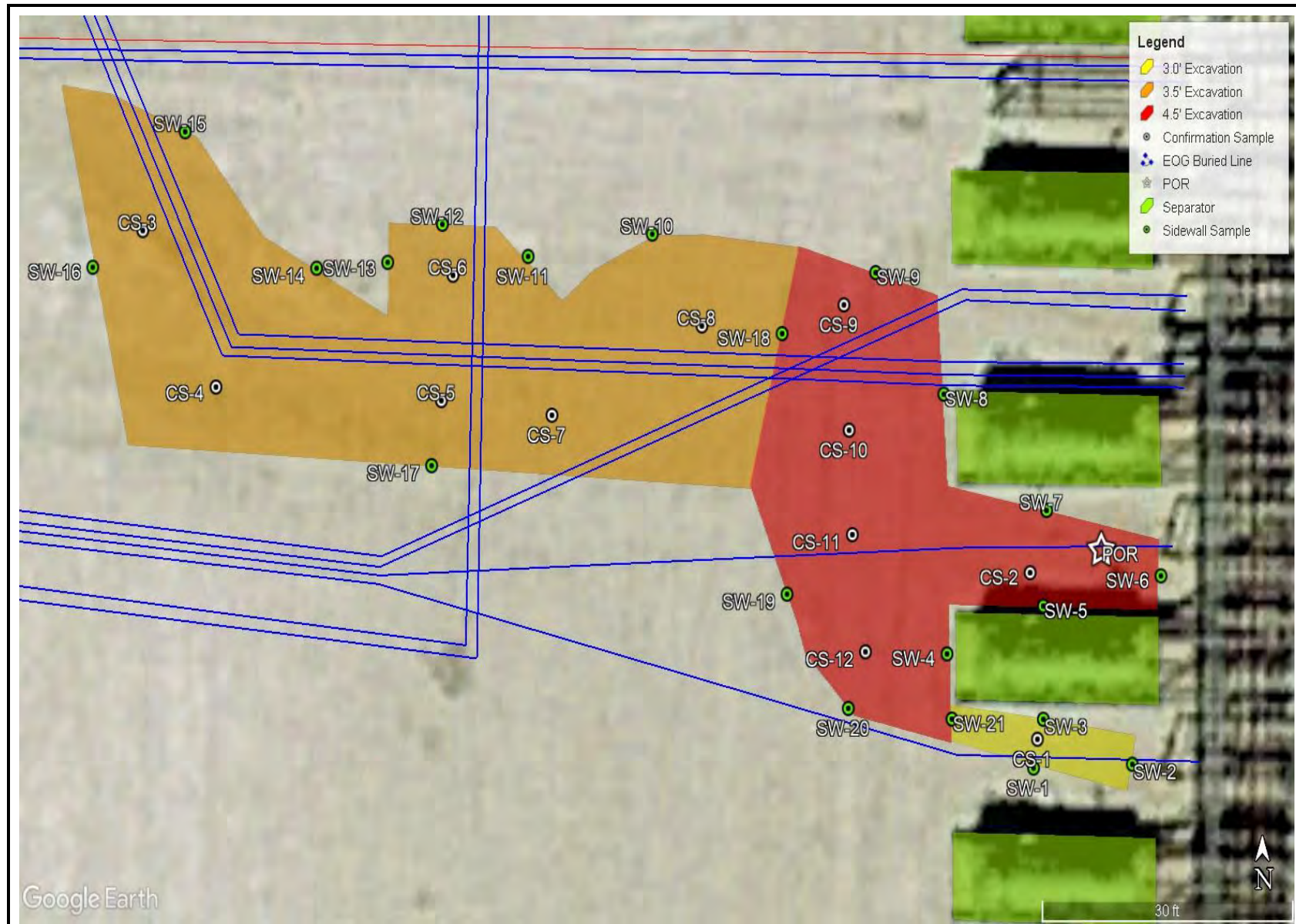


TOPOGRAPHIC MAP
EOG RESOURCES
LOMAS ROJAS 26 STATE COM CTB - #502H SEPARATOR
LEA COUNTY, NEW MEXICO
32.096652°, -103.537399°



FIGURE 2





EXCAVATION MAP
EOG RESOURCES
LOMAS ROJAS 26 STATE COM CTB - #502H SEPARATOR
LEA COUNTY, NEW MEXICO
32.096652°, -103.537399°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Lomas Rojas 26 State Com CTB - #502H Separator
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	5/22/2023	0-3"	6,020	8,320	<249	14,300	14.3	172	77.4	357	620	841
	"	6"	7,530	7,850	<250	15,400	19.9	191	57.6	256	524	346
	"	1'	1,770	2,600	<49.8	4,370	1.19	23.1	12.2	57.7	94.4	393
	"	1.5'	237	601	<50.0	838	0.178	2.07	1.89	8.08	12.2	101
	"	2'	637	1,390	<50.0	2,030	0.124	5.26	4.30	18.5	28.2	107
T-1	5/22/2023	0-1'	1,400	4,100	<49.8	5,500	0.821	30.6	13.1	71.7	111	5,560
	"	1.5'	<49.9	89.5	<49.9	89.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,550
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5,220
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	6,780
	"	4'	<49.9	88.5	<49.9	88.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	686
T-2	5/22/2023	0-1'	2,050	9,320	<250	11,400	2.97	36.3	11.5	48.4	99.2	8,200
	"	2'	<49.9	108	<49.9	108	<0.00199	0.00253	<0.00199	<0.00398	<0.00398	113
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00200	0.00209	<0.00200	<0.00399	<0.00399	66.0
T-3	5/22/2023	0-1'	4,550	7,530	<250	12,100	9.18	129	50.3	167	356	893
	"	2'	64.5	137	<49.9	202	<0.00199	0.00339	<0.00199	<0.00398	<0.00398	88.6
	"	3'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	193
H-1	5/22/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	0.00695	0.00945	<0.00201	<0.00402	0.0164	105
H-2	5/22/2023	0-0.5'	<49.9	60.3	<49.9	60.3	0.0176	0.0175	<0.00199	0.00852	0.0436	177
H-3	5/22/2023	0-0.5'	<49.8	<49.8	<49.8	<49.8	0.00251	0.0071	<0.00199	<0.00398	0.00961	60.4
H-4	5/22/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	0.00345	0.00453	<0.00200	<0.00399	0.00798	131
Regulatory Criteria^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Soil Sample

(T) Trench Sample

(H) Horizontal Sample

Removed

Table 2
EOG Resources
Lomas Rojas 26 State Com CTB - #502H Separator
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	7/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-2	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-3	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-4	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-5	7/17/2023	3.5	<10.0	23.6	<10.0	23.6	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-6	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-7	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-8	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-9	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-10	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-12	7/17/2023	4.25'-4.5	<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

Table 2
EOG Resources
Lomas Rojas 26 State Com CTB - #502H Separator
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						
SW-1	7/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-2	7/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	7/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-5	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SW-6	7/17/2023	4.25'-4.5	<10.0	51.1	12	63.1	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-7	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-8	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-9	7/17/2023	4.25'-4.5	<10.0	12.8	<10.0	12.8	<0.050	<0.051	<0.050	<0.150	<0.300	160
SW-10	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-11	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-13	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	7/17/2023	3.5	<10.0	86.1	22.9	109	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	7/19/2023	3.5	<10.0	32.1	<10.0	32.1	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-15	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-16	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-17	7/17/2023	3.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-18	7/17/2023	0.75	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-19	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-20	7/17/2023	4.25'-4.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-21	7/17/2023	1.25	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
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

(SW) Sidewall Sample

 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

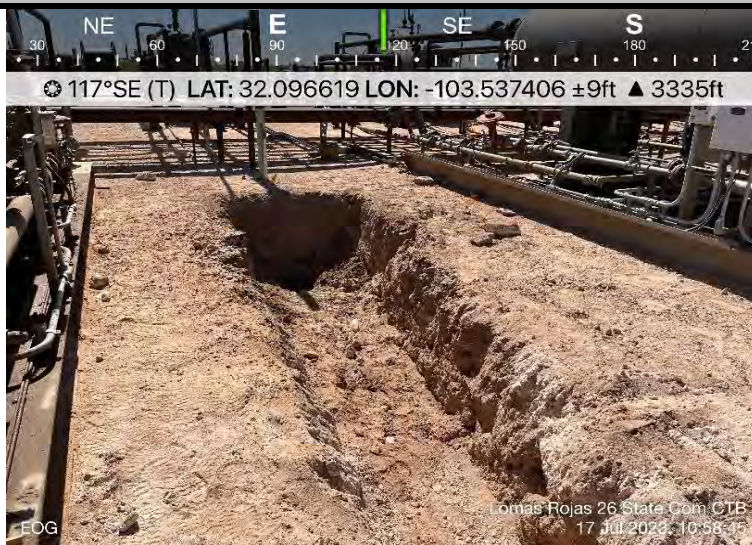
Photograph No. 1

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View Southeast, area of CS-1.



Photograph No. 2

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View East, area of CS-1, CS-2, CS-11 and CS-12.



Photograph No. 3

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View Southeast, area of CS-3 and CS-4.



PHOTOGRAPHIC LOG

EOG Resources

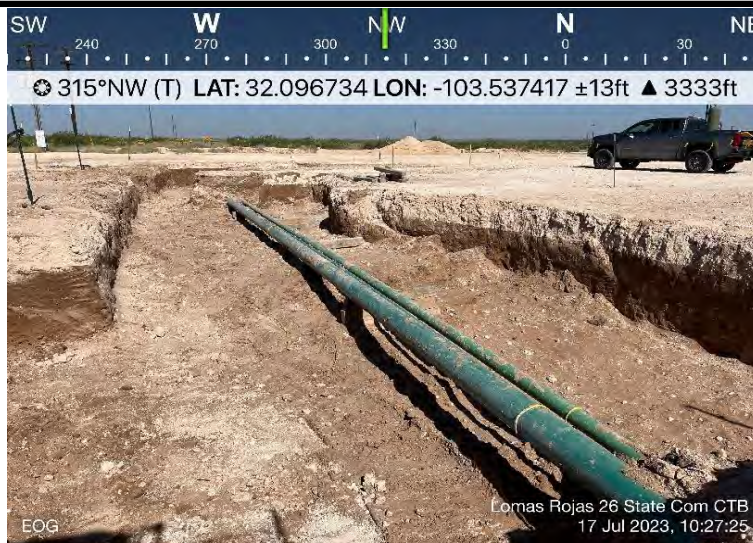
Photograph No. 4

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View Northwest, area of CS-5 through CS-10.



Photograph No. 5

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View East, area of CS-5 through CS-10.



Photograph No. 6

Facility: Lomas Rojas 26 State Com CTB - #502H Separator

County: Lea County, New Mexico

Description:

View North, area of CS-9 through CS-10.



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	nAPP2313654813
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) nAPP2313654813
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.096652° Longitude -103.537399°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lomas Rojas 26 State Com CTB - #502H Separator	Site Type CTB
Date Release Discovered 5/13/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
P	26	25S	33E	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The lease operator arrived at the CTB and discovered a leak in the water leg at the #502H separator. Approximately 16 bbls of produced water was released around the separator and on the pad with 0 bbls recovered.

Incident ID	NAPP2313654813
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> 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>5/16/23</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/17/2023</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 217450

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 217450
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	5/17/2023

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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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: 8/17/23

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/18/2023

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: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 8/18/2023

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: 12/04/2023

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

From: Enviro, OCD, EMNRD
Sent: Monday, July 10, 2023 5:29 PM
To: Mike Carmona
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] EOG Lomas Rojas 26 State Com CTB 502H Separator - Sampling Notification - Incident No.nAPP2313654813

Mike,

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.

JH

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



From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Monday, July 10, 2023 3:01 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Todd Wells <Todd_Wells@eogresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; Miranda Milwee <MilweeM@carmonaresources.com>
Subject: [EXTERNAL] EOG Lomas Rojas 26 State Com CTB 502H Separator - Sampling Notification - Incident No.nAPP2313654813

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

All,

This email serves as a notification for confirmation sampling on the EOG Lomas Rojas 26 State Com CTB 502H Separator. Sampling is scheduled to begin on Thursday, July 13th, around 8:00 a.m. Mountain Time and continue through the week. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. nAPP2313654813

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



APPENDIX D


CARMONA RESOURCES





Nearest water well


EOG Resources


Legend


 0.50 Mile Radius


 0.64 Miles


 0.85 Miles


 0.91 Miles

 2.12 Miles

 GWDB - 106' - 04.18.2023

 GWDB - 55' - 10.07.2020

 Lomas Rojas 26 State Com CTB

 NMSEO Water Well



GWDB 55' • 10.07.2020

130' - Gauged in 2021

Lomas Rojas 26 State Com CTB

106' - GWDB - 04.18.2023

160' - Drilled 1949






4000 ft

Low Karst

EOG Resources

Legend

-  Lomas Rojas 26 State Com CTB
-  Low
-  Medium

Lomas Rojas 26 State Com CTB




1 mi



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	02313	2	3	3	26	25S	33E	636971	3552098*		
<div>x</div>											
Driller License:		Driller Company:									
Driller Name:		UNKNOWN									
Drill Start Date:		01/01/1925		Drill Finish Date:			06/30/1925		Plug Date:		
Log File Date:		PCW Rcv Date:			Source:						
Pump Type:		Pipe Discharge Size:			Estimated Yield: 60 GPM						
Casing Size:		6.88		Depth Well:			150 feet		Depth Water:		110 feet

*UTM location was derived from PLSS - see Help

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

5/24/23 12:56 PM

POINT OF DIVERSION SUMMARY

Borehole ID:
GWDB

Soil Drilling Log

Project Name : Lomas Rojas 26-2 Oil
 Project No. :
 Location : Lea County, New Mexico
 Coordinates : 32.1033, -103.5497
 Elevation : N/A

Date : Monday, December 7, 2020
 Sampler : EM
 Driller : HCI
 Method : Air Rotary

Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)	Depth (ft.)	WL	Soil Description	Chloride Field Test (ppm)	Field Titration Test (ppm)
0		Topsoil, sand, light tan, dry			50				
5		CALICHE, powdery, dry, some aggregates 10 cm, dry			55		Total Depth = 55'		
10					60				
15		Very fine sand, light tan, dry			65				
20					70				
25		silty sand, white silt aggregates 3cm, dry			75				
30					80				
35		fine silty sand, tan, silt aggregates 1-2cm, dry			85				
40					90				
45					95				
50					100				

* H.O. = Heavy Odor

* L.O. = Low Odor

* H.S. = Heavy Staining


* L.S. = Low Staining

								Sample Name: BH01	Date: 04/18/2023
								Site Name: Redbull Federal 35	
								Incident Number: nAPP2126444907	
								Job Number: 03D2024004	
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: J. Falcomata	Method: Hollow Stem
Coordinates: 32.0848815, -103.5447991								Hole Diameter: 5"	Total Depth: 106'
Comments: Soil boring was advanced to a total depth of 106' bgs. No water was observed within the soil boring after at least 72 hours. On 04/24/2023 the soil boring was plugged and abandoned using hydrated bentonite chips.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
Dry	-	-	N	-	-	10	SP-SC	Note: Driller injected well with a water and soap mixture @ 50' to help stabilize well and prevent cave in. Due to collapse, well cased @ 60' using 2" polypipe casing.	
Dry	-	-	N	-	-	20	SP-SM	(10') SAND: fine grained - med grained, trace amounts med sized gravel, poorly graded, tan - yellow brown, no odor, non plastic, non cohesive.	
Dry	-	-	N	-	-	30	SP-SM	(20') SAND: fine grained, slightly silty poorly graded, med-reddish brown, no odor, non plastic, non cohesive	
Dry	-	-	N	-	-	40	SP-SM	(30') SAND: fine grained, slightly silty, poorly graded, reddish brown - slightly orange, no odor, non plastic, non cohesive.	
Dry	-	-	N	-	-	50	SP-SM	(40') SAND: fine grained, slightly silty, poorly graded, orangish brown, no odor, non plastic, non cohesive.	
Dry	-	-	N	-	-	60	SP-SM	(50') SAND: fine grained, silty, poorly sorted, orangish brown to medium brown, no odor, non plastic, non cohesive.	
Wet	-	-	N	-	-	70	SP-SM	(60') SAND: fine grained, silty, poorly sorted, orangish brown to medium brown, no odor, non plastic, non cohesive.	
Wet	-	-	N	-	-	80	SP-SM	(70') SAND: fine grained, silty, poorly graded, medium brown - tan, wet from injection, no odor, non plastic, non cohesive.	
Wet	-	-	N	-	-	90	SP-SM	(80') SAND: fine grained, silty, poorly graded, medium, wet from injection, no odor, non plastic, non cohesive.	
Wet	-	-	N	-	-	100	SP-SM	(90') SAND: fine grained, silty, poorly graded, medium, wet from injection, no odor, non plastic, non cohesive.	
Wet	-	-	N	-	-	106	SP-SM	(100') SAND: fine grained, silty, poorly sorted, medium brown - brown, wet from injection, no odor, non plastic, non cohesive.	
Total Depth @ 106 feet bgs									



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C 02291		1	1	2	06	26S	34E	640825	3550140*		

Driller License:		Driller Company:	
Driller Name:			
Drill Start Date:		Drill Finish Date:	12/31/1949
Log File Date:		PCW Rev Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	6.00	Depth Well:	220 feet
		Plug Date:	
		Source:	
		Estimated Yield:	15 GPM
		Depth Water:	160 feet

*UTM location was derived from PLSS - see Help

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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02313	CUB	LE		2	3	3	26	25S	33E	636971	3552098*	1040	150	110	40
C 04628 POD1	CUB	LE		1	1	2	01	26S	33E	639121	3550219	2170			
C 02291	CUB	LE		1	1	2	06	26S	34E	640825	3550140*	3420	220	160	60
C 02285 POD1	CUB	LE		1	4	4	03	26S	33E	636613	3548855	3519	220	220	0
C 02288	CUB	LE		4	4	4	03	26S	33E	636646	3548758	3595	220	180	40
C 03441 POD1	C	LE		4	1	2	06	26S	34E	640971	3550039	3597	250		
C 02290	CUB	LE		4	4	4	03	26S	33E	636538	3548770	3626	200	160	40
C 02292 POD1	CUB	LE		4	1	2	06	26S	34E	640992	3549987	3644	200	140	60
C 03442 POD1	C	LE		4	1	2	06	26S	34E	641056	3550028	3674	251		
C 02289	CUB	LE		4	4	4	03	26S	33E	636612	3548675*	3685	200	160	40
C 02286	CUB	LE		3	4	4	03	26S	33E	636470	3548714	3706	220	175	45
C 02287	C	LE		3	4	4	03	26S	33E	636427	3548708	3729	220		
C 02316	CUB	LE		3	4	3	29	25S	34E	642003	3551967*	3993	100	50	50
C 02317	CUB	LE		3	4	3	29	25S	34E	642003	3551967*	3993	100	50	50

Average Depth to Water: **140 feet**

Minimum Depth: **50 feet**

Maximum Depth: **220 feet**

Record Count: 14

UTMNAD83 Radius Search (in meters):

Easting (X): 638011

Northing (Y): 3552085

Radius: 4000

*UTM location was derived from PLSS - see Help

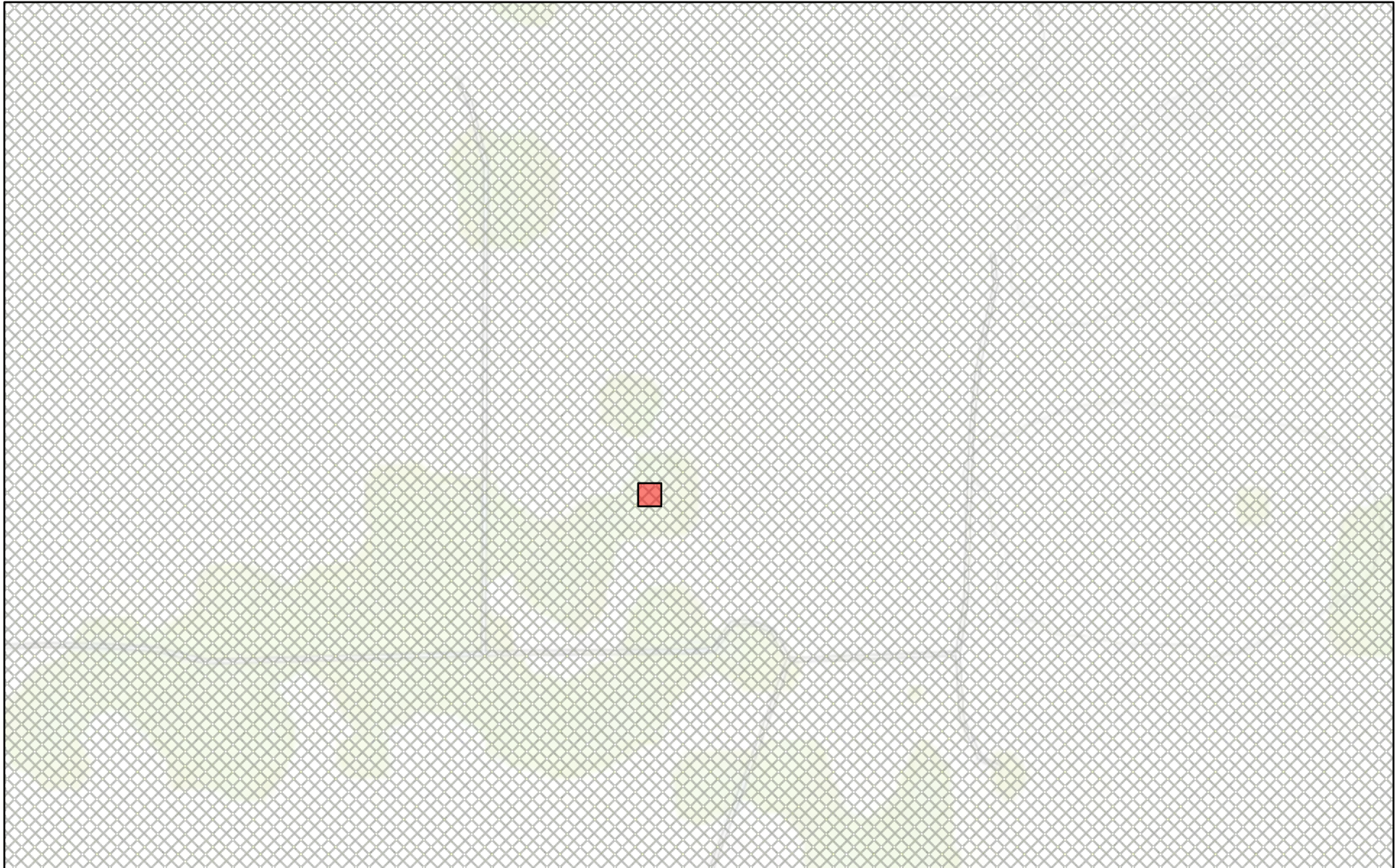
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/24/23 12:56 PM

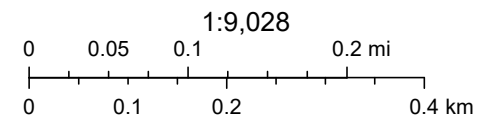
Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

New Mexico NFHL Data



May 24, 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 5/26/2023 4:39:53 PM

JOB DESCRIPTION

Lomas Rojas 26 State CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-28710-1

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
5/26/2023 4:39:53 PM

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

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Laboratory Job ID: 880-28710-1
SDG: Lea County, NM

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QC Sample Results	21
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Certification Summary	38
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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
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: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Job ID: 880-28710-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28710-1

Receipt

The samples were received on 5/23/2023 3:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -9.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-28710-1), S-1 (6") (880-28710-2), S-1 (1') (880-28710-3), S-1 (1.5') (880-28710-4), S-1 (2') (880-28710-5), T-1 (0-1') (880-28710-6), T-1 (1.5') (880-28710-7), T-1 (2') (880-28710-8), T-1 (3') (880-28710-9), T-1 (4') (880-28710-10), T-2 (0-1') (880-28710-11), T-2 (2') (880-28710-12), T-2 (3') (880-28710-13), T-3 (0-1') (880-28710-14), T-3 (2') (880-28710-15) and T-3 (3') (880-28710-16).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-28710-1), S-1 (6") (880-28710-2), S-1 (1') (880-28710-3), S-1 (2') (880-28710-5), T-1 (0-1') (880-28710-6), T-1 (4') (880-28710-10), T-2 (0-1') (880-28710-11), T-3 (0-1') (880-28710-14) and T-3 (2') (880-28710-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-54007 and analytical batch 880-54019 was outside the control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53995 and analytical batch 880-54019 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-2 (2') (880-28710-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-54007 and analytical batch 880-54019 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.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-28710-1) and S-1 (6") (880-28710-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: T-3 (0-1') (880-28710-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-54107 and analytical batch 880-54207 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 880-54020 and analytical batch 880-54026 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-3") (880-28710-1), S-1 (6") (880-28710-2), S-1 (1') (880-28710-3), T-1 (0-1') (880-28710-6), T-2 (0-1') (880-28710-11) and T-3 (0-1') (880-28710-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-54020 and analytical batch 880-54026 were outside

Case Narrative

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Job ID: 880-28710-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28710-1

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	14.3	*+	0.0996		mg/Kg		05/23/23 15:54	05/25/23 00:51	50
Toluene	172		2.00		mg/Kg		05/24/23 16:24	05/26/23 12:53	1000
Ethylbenzene	77.4		2.00		mg/Kg		05/24/23 16:24	05/26/23 12:53	1000
m-Xylene & p-Xylene	267		4.00		mg/Kg		05/24/23 16:24	05/26/23 12:53	1000
o-Xylene	89.5		2.00		mg/Kg		05/24/23 16:24	05/26/23 12:53	1000
Xylenes, Total	357		4.00		mg/Kg		05/24/23 16:24	05/26/23 12:53	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	504	S1+	70 - 130	05/23/23 15:54	05/25/23 00:51	50
1,4-Difluorobenzene (Surr)	121		70 - 130	05/23/23 15:54	05/25/23 00:51	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	620		4.00		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14300		249		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	6020		249		mg/Kg		05/24/23 08:13	05/24/23 13:01	5
Diesel Range Organics (Over C10-C28)	8320		249		mg/Kg		05/24/23 08:13	05/24/23 13:01	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		05/24/23 08:13	05/24/23 13:01	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	350	S1+	70 - 130	05/24/23 08:13	05/24/23 13:01	5
o-Terphenyl	88		70 - 130	05/24/23 08:13	05/24/23 13:01	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	841		25.1		mg/Kg			05/24/23 12:33	5

Client Sample ID: S-1 (6")

Lab Sample ID: 880-28710-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19.9	*+	2.02		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000
Toluene	191		2.02		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000
Ethylbenzene	57.6		2.02		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000
m-Xylene & p-Xylene	195		4.03		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000
o-Xylene	60.9		2.02		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000
Xylenes, Total	256		4.03		mg/Kg		05/24/23 16:24	05/26/23 13:13	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	520	S1+	70 - 130	05/23/23 15:54	05/25/23 01:11	50
1,4-Difluorobenzene (Surr)	80		70 - 130	05/23/23 15:54	05/25/23 01:11	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: S-1 (6")

Lab Sample ID: 880-28710-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	524		4.03		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15400		250		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7530		250		mg/Kg		05/24/23 08:13	05/24/23 13:24	5
Diesel Range Organics (Over C10-C28)	7850		250		mg/Kg		05/24/23 08:13	05/24/23 13:24	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/24/23 08:13	05/24/23 13:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	350	S1+	70 - 130				05/24/23 08:13	05/24/23 13:24	5
o-Terphenyl	92		70 - 130				05/24/23 08:13	05/24/23 13:24	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	346		25.2		mg/Kg			05/24/23 12:49	5

Client Sample ID: S-1 (1')

Lab Sample ID: 880-28710-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.19	*+	0.0998		mg/Kg		05/23/23 15:54	05/25/23 01:32	50
Toluene	23.1		0.996		mg/Kg		05/24/23 16:24	05/26/23 13:34	500
Ethylbenzene	12.2		0.0998		mg/Kg		05/23/23 15:54	05/25/23 01:32	50
m-Xylene & p-Xylene	43.0		1.99		mg/Kg		05/24/23 16:24	05/26/23 13:34	500
o-Xylene	14.9		0.0998		mg/Kg		05/23/23 15:54	05/25/23 01:32	50
Xylenes, Total	57.7		1.99		mg/Kg		05/24/23 16:24	05/26/23 13:34	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	315	S1+	70 - 130				05/23/23 15:54	05/25/23 01:32	50
1,4-Difluorobenzene (Surr)	109		70 - 130				05/23/23 15:54	05/25/23 01:32	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	94.4		1.99		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4370		49.8		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1770		49.8		mg/Kg		05/24/23 08:13	05/24/23 14:51	1
Diesel Range Organics (Over C10-C28)	2600		49.8		mg/Kg		05/24/23 08:13	05/24/23 14:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-28710-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				05/24/23 08:13	05/24/23 14:51	1
o-Terphenyl	74		70 - 130				05/24/23 08:13	05/24/23 14:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	393		25.2		mg/Kg			05/24/23 12:54	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28710-4

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.178	*+	0.101		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
Toluene	2.07		0.101		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
Ethylbenzene	1.89		0.101		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
m-Xylene & p-Xylene	5.95		0.201		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
o-Xylene	2.13		0.101		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
Xylenes, Total	8.08		0.201		mg/Kg		05/23/23 15:54	05/25/23 01:52	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				05/23/23 15:54	05/25/23 01:52	50
1,4-Difluorobenzene (Surr)	101		70 - 130				05/23/23 15:54	05/25/23 01:52	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	12.2		0.201		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	838		50.0		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	237		50.0		mg/Kg		05/24/23 08:13	05/24/23 15:34	1
Diesel Range Organics (Over C10-C28)	601		50.0		mg/Kg		05/24/23 08:13	05/24/23 15:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				05/24/23 08:13	05/24/23 15:34	1
o-Terphenyl	85		70 - 130				05/24/23 08:13	05/24/23 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.99		mg/Kg			05/24/23 12:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28710-5

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.124	++	0.100		mg/Kg		05/23/23 15:54	05/25/23 05:18	50
Toluene	5.26		0.100		mg/Kg		05/23/23 15:54	05/25/23 05:18	50
Ethylbenzene	4.30		0.100		mg/Kg		05/23/23 15:54	05/25/23 05:18	50
m-Xylene & p-Xylene	13.5		0.201		mg/Kg		05/23/23 15:54	05/25/23 05:18	50
o-Xylene	4.97		0.100		mg/Kg		05/23/23 15:54	05/25/23 05:18	50
Xylenes, Total	18.5		0.201		mg/Kg		05/23/23 15:54	05/25/23 05:18	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130	05/23/23 15:54	05/25/23 05:18	50
1,4-Difluorobenzene (Surr)	101		70 - 130	05/23/23 15:54	05/25/23 05:18	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	28.2		0.201		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2030		50.0		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	637		50.0		mg/Kg		05/24/23 08:13	05/24/23 15:12	1
Diesel Range Organics (Over C10-C28)	1390		50.0		mg/Kg		05/24/23 08:13	05/24/23 15:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/24/23 08:13	05/24/23 15:12	1
o-Terphenyl	85		70 - 130	05/24/23 08:13	05/24/23 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		4.96		mg/Kg			05/24/23 13:05	1

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

Lab Sample ID: 880-28710-6

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.821	++	0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:38	50
Toluene	30.6		0.990		mg/Kg		05/24/23 16:24	05/26/23 13:54	500
Ethylbenzene	13.1		0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:38	50
m-Xylene & p-Xylene	51.3		1.98		mg/Kg		05/24/23 16:24	05/26/23 13:54	500
o-Xylene	15.6		0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:38	50
Xylenes, Total	71.7		1.98		mg/Kg		05/24/23 16:24	05/26/23 13:54	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	289	S1+	70 - 130	05/23/23 15:54	05/25/23 05:38	50
1,4-Difluorobenzene (Surr)	106		70 - 130	05/23/23 15:54	05/25/23 05:38	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28710-6

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	111		1.98		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5500		49.8		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1400		49.8		mg/Kg		05/24/23 08:13	05/24/23 14:29	1
Diesel Range Organics (Over C10-C28)	4100		49.8		mg/Kg		05/24/23 08:13	05/24/23 14:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				05/24/23 08:13	05/24/23 14:29	1
o-Terphenyl	73		70 - 130				05/24/23 08:13	05/24/23 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5560		50.5		mg/Kg			05/24/23 13:10	10

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-28710-7

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/24/23 23:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/24/23 23:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/24/23 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/23/23 15:54	05/24/23 23:29	1
1,4-Difluorobenzene (Surr)	77		70 - 130				05/23/23 15:54	05/24/23 23:29	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			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.5		49.9		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 15:56	1
Diesel Range Organics (Over C10-C28)	89.5		49.9		mg/Kg		05/24/23 08:13	05/24/23 15:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-28710-7

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/24/23 08:13	05/24/23 15:56	1
o-Terphenyl	96		70 - 130				05/24/23 08:13	05/24/23 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5550		50.5		mg/Kg			05/24/23 13:15	10

Client Sample ID: T-1 (2')

Lab Sample ID: 880-28710-8

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/24/23 23:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 23:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 23:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/24/23 23:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 23:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/24/23 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/23/23 15:54	05/24/23 23:50	1
1,4-Difluorobenzene (Surr)	81		70 - 130				05/23/23 15:54	05/24/23 23:50	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			05/25/23 09:13	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			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				05/24/23 08:13	05/24/23 16:56	1
o-Terphenyl	93		70 - 130				05/24/23 08:13	05/24/23 16:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5220		49.8		mg/Kg			05/24/23 13:31	10

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-1 (3')

Lab Sample ID: 880-28710-9

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 00:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/25/23 00:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/25/23 00:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:54	05/25/23 00:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/25/23 00:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:54	05/25/23 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/23/23 15:54	05/25/23 00:10	1
1,4-Difluorobenzene (Surr)	74		70 - 130	05/23/23 15:54	05/25/23 00:10	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			05/25/23 09:13	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			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 17:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	05/24/23 08:13	05/24/23 17:17	1
o-Terphenyl	91		70 - 130	05/24/23 08:13	05/24/23 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6780		49.7		mg/Kg			05/24/23 13:37	10

Client Sample ID: T-1 (4')

Lab Sample ID: 880-28710-10

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 00:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/23/23 15:54	05/25/23 00:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/23/23 15:54	05/25/23 00:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/23/23 15:54	05/25/23 00:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/23/23 15:54	05/25/23 00:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/23/23 15:54	05/25/23 00:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	05/23/23 15:54	05/25/23 00:31	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	05/23/23 15:54	05/25/23 00:31	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-1 (4')

Lab Sample ID: 880-28710-10

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	88.5		49.9		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 11:56	1
Diesel Range Organics (Over C10-C28)	88.5	F1	49.9		mg/Kg		05/24/23 08:13	05/24/23 11:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				05/24/23 08:13	05/24/23 11:56	1
o-Terphenyl	97		70 - 130				05/24/23 08:13	05/24/23 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		5.01		mg/Kg			05/24/23 13:53	1

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

Lab Sample ID: 880-28710-11

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.97	*+	0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:58	50
Toluene	36.3		1.01		mg/Kg		05/24/23 16:24	05/26/23 14:15	500
Ethylbenzene	11.5		0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:58	50
m-Xylene & p-Xylene	35.3		0.199		mg/Kg		05/23/23 15:54	05/25/23 05:58	50
o-Xylene	13.1		0.0996		mg/Kg		05/23/23 15:54	05/25/23 05:58	50
Xylenes, Total	48.4		0.199		mg/Kg		05/23/23 15:54	05/25/23 05:58	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	287	S1+	70 - 130				05/23/23 15:54	05/25/23 05:58	50
1,4-Difluorobenzene (Surr)	97		70 - 130				05/23/23 15:54	05/25/23 05:58	50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	99.2		0.199		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11400		250		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2050		250		mg/Kg		05/24/23 08:13	05/24/23 13:46	5
Diesel Range Organics (Over C10-C28)	9320		250		mg/Kg		05/24/23 08:13	05/24/23 13:46	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28710-11

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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)	<250	U	250		mg/Kg		05/24/23 08:13	05/24/23 13:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	179	S1+	70 - 130				05/24/23 08:13	05/24/23 13:46	5
o-Terphenyl	96		70 - 130				05/24/23 08:13	05/24/23 13:46	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8200		101		mg/Kg			05/24/23 13:58	20

Client Sample ID: T-2 (2')

Lab Sample ID: 880-28710-12

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 03:15	1
Toluene	0.00253		0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 03:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				05/23/23 15:54	05/25/23 03:15	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				05/23/23 15:54	05/25/23 03:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	108		49.9		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 17:39	1
Diesel Range Organics (Over C10-C28)	108		49.9		mg/Kg		05/24/23 08:13	05/24/23 17:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/24/23 08:13	05/24/23 17:39	1
o-Terphenyl	83		70 - 130				05/24/23 08:13	05/24/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	113		5.00		mg/Kg			05/24/23 14:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-2 (3')

Lab Sample ID: 880-28710-13

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 03:35	1
Toluene	0.00209		0.00200		mg/Kg		05/23/23 15:54	05/25/23 03:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/25/23 03:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/25/23 03:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/25/23 03:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/25/23 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	05/23/23 15:54	05/25/23 03:35	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/23/23 15:54	05/25/23 03:35	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			05/25/23 09:13	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			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	05/24/23 08:13	05/24/23 18:01	1
o-Terphenyl	85		70 - 130	05/24/23 08:13	05/24/23 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.0		5.05		mg/Kg			05/24/23 14:09	1

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

Lab Sample ID: 880-28710-14

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.18	*+	0.100		mg/Kg		05/23/23 15:54	05/25/23 06:19	50
Toluene	129		2.02		mg/Kg		05/24/23 16:24	05/26/23 14:35	1000
Ethylbenzene	50.3		2.02		mg/Kg		05/24/23 16:24	05/26/23 14:35	1000
m-Xylene & p-Xylene	110		4.03		mg/Kg		05/24/23 16:24	05/26/23 14:35	1000
o-Xylene	57.1		2.02		mg/Kg		05/24/23 16:24	05/26/23 14:35	1000
Xylenes, Total	167		4.03		mg/Kg		05/24/23 16:24	05/26/23 14:35	1000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	387	S1+	70 - 130	05/23/23 15:54	05/25/23 06:19	50
1,4-Difluorobenzene (Surr)	98		70 - 130	05/23/23 15:54	05/25/23 06:19	50

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28710-14

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	356		4.03		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12100		250		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4550		250		mg/Kg		05/24/23 08:13	05/24/23 14:08	5
Diesel Range Organics (Over C10-C28)	7530		250		mg/Kg		05/24/23 08:13	05/24/23 14:08	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		05/24/23 08:13	05/24/23 14:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	270	S1+	70 - 130				05/24/23 08:13	05/24/23 14:08	5
o-Terphenyl	88		70 - 130				05/24/23 08:13	05/24/23 14:08	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	893		5.02		mg/Kg			05/24/23 14:14	1

Client Sample ID: T-3 (2')

Lab Sample ID: 880-28710-15

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 03:56	1
Toluene	0.00339		0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 03:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 03:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				05/23/23 15:54	05/25/23 03:56	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130				05/23/23 15:54	05/25/23 03:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	202		49.9		mg/Kg			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	64.5		49.9		mg/Kg		05/24/23 08:13	05/24/23 18:23	1
Diesel Range Organics (Over C10-C28)	137		49.9		mg/Kg		05/24/23 08:13	05/24/23 18:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-3 (2')

Lab Sample ID: 880-28710-15

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				05/24/23 08:13	05/24/23 18:23	1
o-Terphenyl	93		70 - 130				05/24/23 08:13	05/24/23 18:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.6		4.98		mg/Kg			05/24/23 14:19	1

Client Sample ID: T-3 (3')

Lab Sample ID: 880-28710-16

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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		05/23/23 15:54	05/25/23 04:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 04:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/23/23 15:54	05/25/23 04:16	1
1,4-Difluorobenzene (Surr)	77		70 - 130				05/23/23 15:54	05/25/23 04:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:13	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			05/25/23 11:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:13	05/24/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				05/24/23 08:13	05/24/23 18:45	1
o-Terphenyl	87		70 - 130				05/24/23 08:13	05/24/23 18:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		4.98		mg/Kg			05/24/23 14:25	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
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)
880-28710-1	S-1 (0-3")	504 S1+	121
880-28710-2	S-1 (6")	520 S1+	80
880-28710-3	S-1 (1')	315 S1+	109
880-28710-4	S-1 (1.5')	130	101
880-28710-5	S-1 (2')	210 S1+	101
880-28710-6	T-1 (0-1')	289 S1+	106
880-28710-7	T-1 (1.5')	104	77
880-28710-8	T-1 (2')	89	81
880-28710-9	T-1 (3')	104	74
880-28710-10	T-1 (4')	89	66 S1-
880-28710-11	T-2 (0-1')	287 S1+	97
880-28710-12	T-2 (2')	81	63 S1-
880-28710-13	T-2 (3')	105	79
880-28710-14	T-3 (0-1')	387 S1+	98
880-28710-15	T-3 (2')	105	62 S1-
880-28710-16	T-3 (3')	102	77
880-28711-A-21-F MS	Matrix Spike	114	107
880-28711-A-21-G MSD	Matrix Spike Duplicate	109	109
880-28743-A-1-B MS	Matrix Spike	122	97
880-28743-A-1-C MSD	Matrix Spike Duplicate	111	87
LCS 880-54007/1-A	Lab Control Sample	89	114
LCS 880-54107/1-A	Lab Control Sample	97	105
LCSD 880-54007/2-A	Lab Control Sample Dup	111	98
LCSD 880-54107/2-A	Lab Control Sample Dup	102	112
MB 880-53995/5-A	Method Blank	66 S1-	99
MB 880-54007/5-A	Method Blank	64 S1-	79
MB 880-54107/5-A	Method Blank	71	77
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)
880-28710-1	S-1 (0-3")	350 S1+	88
880-28710-2	S-1 (6")	350 S1+	92
880-28710-3	S-1 (1')	136 S1+	74
880-28710-4	S-1 (1.5')	115	85
880-28710-5	S-1 (2')	128	85
880-28710-6	T-1 (0-1')	144 S1+	73
880-28710-7	T-1 (1.5')	124	96
880-28710-8	T-1 (2')	119	93
880-28710-9	T-1 (3')	117	91
880-28710-10	T-1 (4')	124	97
880-28710-10 MS	T-1 (4')	115	83
880-28710-10 MSD	T-1 (4')	117	85

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Surrogate Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
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)
880-28710-11	T-2 (0-1')	179 S1+	96
880-28710-12	T-2 (2')	110	83
880-28710-13	T-2 (3')	112	85
880-28710-14	T-3 (0-1')	270 S1+	88
880-28710-15	T-3 (2')	118	93
880-28710-16	T-3 (3')	112	87
LCS 880-54020/2-A	Lab Control Sample	95	71
LCSD 880-54020/3-A	Lab Control Sample Dup	98	72
MB 880-54020/1-A	Method Blank	200 S1+	161 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53995/5-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 15:40	05/24/23 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/23/23 15:40	05/24/23 11:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/23/23 15:40	05/24/23 11:50	1

Lab Sample ID: MB 880-54007/5-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 15:54	05/24/23 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130	05/23/23 15:54	05/24/23 22:26	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/23/23 15:54	05/24/23 22:26	1

Lab Sample ID: LCS 880-54007/1-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1340	*+	mg/Kg		134	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09687		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-54007/2-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1120		mg/Kg		112	70 - 130	18	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-54007/2-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09957		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2170		mg/Kg		109	70 - 130	14	35
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-28711-A-21-F MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *	0.0998	0.1074		mg/Kg		108	70 - 130
Toluene	<0.00201	U	0.0998	0.09333		mg/Kg		94	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09864		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2036		mg/Kg		102	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1032		mg/Kg		103	70 - 130

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

Lab Sample ID: 880-28711-A-21-G MSD

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *	0.100	0.1136		mg/Kg		113	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.1001		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2069		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.1041		mg/Kg		104	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: MB 880-54107/5-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:24	05/26/23 11:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:24	05/26/23 11:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:24	05/26/23 11:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/23 16:24	05/26/23 11:09	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-54107/5-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/23 16:24	05/26/23 11:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/23 16:24	05/26/23 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	05/24/23 16:24	05/26/23 11:09	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/24/23 16:24	05/26/23 11:09	1

Lab Sample ID: LCS 880-54107/1-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1324	*+	mg/Kg		132	70 - 130
Toluene	0.100	0.1146		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2355		mg/Kg		118	70 - 130
o-Xylene	0.100	0.1170		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-54107/2-A

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1331	*+	mg/Kg		133	70 - 130	1	35
Toluene	0.100	0.1130		mg/Kg		113	70 - 130	1	35
Ethylbenzene	0.100	0.1106		mg/Kg		111	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2318		mg/Kg		116	70 - 130	2	35
o-Xylene	0.100	0.1155		mg/Kg		115	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-28743-A-1-B MS

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *+	0.100	0.1087		mg/Kg		109	70 - 130
Toluene	<0.00201	U	0.100	0.1032		mg/Kg		103	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1159		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2388		mg/Kg		119	70 - 130
o-Xylene	<0.00201	U	0.100	0.1205		mg/Kg		120	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28743-A-1-B MS

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54107

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-28743-A-1-C MSD

Matrix: Solid

Analysis Batch: 54207

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *	0.0990	0.1062		mg/Kg		107	70 - 130	2	35
Toluene	<0.00201	U	0.0990	0.09970		mg/Kg		101	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.0990	0.1037		mg/Kg		105	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2148		mg/Kg		108	70 - 130	11	35
o-Xylene	<0.00201	U	0.0990	0.1092		mg/Kg		110	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

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

Lab Sample ID: MB 880-54020/1-A

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54020

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		05/24/23 08:13	05/24/23 09:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 09:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 09:09	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	200	S1+	70 - 130	05/24/23 08:13	05/24/23 09:09	1			
o-Terphenyl	161	S1+	70 - 130	05/24/23 08:13	05/24/23 09:09	1			

Lab Sample ID: LCS 880-54020/2-A

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1158		mg/Kg		116	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	71		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-54020/3-A

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1170		mg/Kg		117	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	72		70 - 130						

Lab Sample ID: 880-28710-10 MS

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: T-1 (4')

Prep Type: Total/NA

Prep Batch: 54020

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	908.5		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	88.5	F1	1000	781.4	F1	mg/Kg		69	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-28710-10 MSD

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: T-1 (4')

Prep Type: Total/NA

Prep Batch: 54020

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	935.5		mg/Kg		90	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	88.5	F1	998	796.7		mg/Kg		71	70 - 130	2	20
						</					

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54008/1-A

Matrix: Solid

Analysis Batch: 54073

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			05/24/23 11:45	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-54008/2-A
Matrix: Solid
Analysis Batch: 54073

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-54008/3-A
Matrix: Solid
Analysis Batch: 54073

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	251.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-28710-7 MS
Matrix: Solid
Analysis Batch: 54073

Client Sample ID: T-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5550		2530	8090		mg/Kg		100	90 - 110

Lab Sample ID: 880-28710-7 MSD
Matrix: Solid
Analysis Batch: 54073

Client Sample ID: T-1 (1.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5550		2530	8006		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

GC VOA

Prep Batch: 53995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53995/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 54007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	5035	
880-28710-2	S-1 (6")	Total/NA	Solid	5035	
880-28710-3	S-1 (1')	Total/NA	Solid	5035	
880-28710-4	S-1 (1.5')	Total/NA	Solid	5035	
880-28710-5	S-1 (2')	Total/NA	Solid	5035	
880-28710-6	T-1 (0-1')	Total/NA	Solid	5035	
880-28710-7	T-1 (1.5')	Total/NA	Solid	5035	
880-28710-8	T-1 (2')	Total/NA	Solid	5035	
880-28710-9	T-1 (3')	Total/NA	Solid	5035	
880-28710-10	T-1 (4')	Total/NA	Solid	5035	
880-28710-11	T-2 (0-1')	Total/NA	Solid	5035	
880-28710-12	T-2 (2')	Total/NA	Solid	5035	
880-28710-13	T-2 (3')	Total/NA	Solid	5035	
880-28710-14	T-3 (0-1')	Total/NA	Solid	5035	
880-28710-15	T-3 (2')	Total/NA	Solid	5035	
880-28710-16	T-3 (3')	Total/NA	Solid	5035	
MB 880-54007/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54007/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54007/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28711-A-21-F MS	Matrix Spike	Total/NA	Solid	5035	
880-28711-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	8021B	54007
880-28710-2	S-1 (6")	Total/NA	Solid	8021B	54007
880-28710-3	S-1 (1')	Total/NA	Solid	8021B	54007
880-28710-4	S-1 (1.5')	Total/NA	Solid	8021B	54007
880-28710-5	S-1 (2')	Total/NA	Solid	8021B	54007
880-28710-6	T-1 (0-1')	Total/NA	Solid	8021B	54007
880-28710-7	T-1 (1.5')	Total/NA	Solid	8021B	54007
880-28710-8	T-1 (2')	Total/NA	Solid	8021B	54007
880-28710-9	T-1 (3')	Total/NA	Solid	8021B	54007
880-28710-10	T-1 (4')	Total/NA	Solid	8021B	54007
880-28710-11	T-2 (0-1')	Total/NA	Solid	8021B	54007
880-28710-12	T-2 (2')	Total/NA	Solid	8021B	54007
880-28710-13	T-2 (3')	Total/NA	Solid	8021B	54007
880-28710-14	T-3 (0-1')	Total/NA	Solid	8021B	54007
880-28710-15	T-3 (2')	Total/NA	Solid	8021B	54007
880-28710-16	T-3 (3')	Total/NA	Solid	8021B	54007
MB 880-53995/5-A	Method Blank	Total/NA	Solid	8021B	53995
MB 880-54007/5-A	Method Blank	Total/NA	Solid	8021B	54007
LCS 880-54007/1-A	Lab Control Sample	Total/NA	Solid	8021B	54007
LCSD 880-54007/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54007
880-28711-A-21-F MS	Matrix Spike	Total/NA	Solid	8021B	54007
880-28711-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54007

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

GC VOA

Prep Batch: 54107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	5035	
880-28710-2	S-1 (6")	Total/NA	Solid	5035	
880-28710-3	S-1 (1')	Total/NA	Solid	5035	
880-28710-6	T-1 (0-1')	Total/NA	Solid	5035	
880-28710-11	T-2 (0-1')	Total/NA	Solid	5035	
880-28710-14	T-3 (0-1')	Total/NA	Solid	5035	
MB 880-54107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28743-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-28743-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-28710-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-28710-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-28710-4	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28710-5	S-1 (2')	Total/NA	Solid	Total BTEX	
880-28710-6	T-1 (0-1')	Total/NA	Solid	Total BTEX	
880-28710-7	T-1 (1.5')	Total/NA	Solid	Total BTEX	
880-28710-8	T-1 (2')	Total/NA	Solid	Total BTEX	
880-28710-9	T-1 (3')	Total/NA	Solid	Total BTEX	
880-28710-10	T-1 (4')	Total/NA	Solid	Total BTEX	
880-28710-11	T-2 (0-1')	Total/NA	Solid	Total BTEX	
880-28710-12	T-2 (2')	Total/NA	Solid	Total BTEX	
880-28710-13	T-2 (3')	Total/NA	Solid	Total BTEX	
880-28710-14	T-3 (0-1')	Total/NA	Solid	Total BTEX	
880-28710-15	T-3 (2')	Total/NA	Solid	Total BTEX	
880-28710-16	T-3 (3')	Total/NA	Solid	Total BTEX	

Analysis Batch: 54207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	8021B	54107
880-28710-2	S-1 (6")	Total/NA	Solid	8021B	54107
880-28710-3	S-1 (1')	Total/NA	Solid	8021B	54107
880-28710-6	T-1 (0-1')	Total/NA	Solid	8021B	54107
880-28710-11	T-2 (0-1')	Total/NA	Solid	8021B	54107
880-28710-14	T-3 (0-1')	Total/NA	Solid	8021B	54107
MB 880-54107/5-A	Method Blank	Total/NA	Solid	8021B	54107
LCS 880-54107/1-A	Lab Control Sample	Total/NA	Solid	8021B	54107
LCSD 880-54107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54107
880-28743-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	54107
880-28743-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54107

GC Semi VOA

Prep Batch: 54020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-28710-2	S-1 (6")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 54020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-28710-4	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28710-5	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-28710-6	T-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-28710-7	T-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-28710-8	T-1 (2')	Total/NA	Solid	8015NM Prep	
880-28710-9	T-1 (3')	Total/NA	Solid	8015NM Prep	
880-28710-10	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-28710-11	T-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-28710-12	T-2 (2')	Total/NA	Solid	8015NM Prep	
880-28710-13	T-2 (3')	Total/NA	Solid	8015NM Prep	
880-28710-14	T-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-28710-15	T-3 (2')	Total/NA	Solid	8015NM Prep	
880-28710-16	T-3 (3')	Total/NA	Solid	8015NM Prep	
MB 880-54020/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54020/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54020/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28710-10 MS	T-1 (4')	Total/NA	Solid	8015NM Prep	
880-28710-10 MSD	T-1 (4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	8015B NM	54020
880-28710-2	S-1 (6")	Total/NA	Solid	8015B NM	54020
880-28710-3	S-1 (1')	Total/NA	Solid	8015B NM	54020
880-28710-4	S-1 (1.5')	Total/NA	Solid	8015B NM	54020
880-28710-5	S-1 (2')	Total/NA	Solid	8015B NM	54020
880-28710-6	T-1 (0-1')	Total/NA	Solid	8015B NM	54020
880-28710-7	T-1 (1.5')	Total/NA	Solid	8015B NM	54020
880-28710-8	T-1 (2')	Total/NA	Solid	8015B NM	54020
880-28710-9	T-1 (3')	Total/NA	Solid	8015B NM	54020
880-28710-10	T-1 (4')	Total/NA	Solid	8015B NM	54020
880-28710-11	T-2 (0-1')	Total/NA	Solid	8015B NM	54020
880-28710-12	T-2 (2')	Total/NA	Solid	8015B NM	54020
880-28710-13	T-2 (3')	Total/NA	Solid	8015B NM	54020
880-28710-14	T-3 (0-1')	Total/NA	Solid	8015B NM	54020
880-28710-15	T-3 (2')	Total/NA	Solid	8015B NM	54020
880-28710-16	T-3 (3')	Total/NA	Solid	8015B NM	54020
MB 880-54020/1-A	Method Blank	Total/NA	Solid	8015B NM	54020
LCS 880-54020/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54020
LCSD 880-54020/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54020
880-28710-10 MS	T-1 (4')	Total/NA	Solid	8015B NM	54020
880-28710-10 MSD	T-1 (4')	Total/NA	Solid	8015B NM	54020

Analysis Batch: 54163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-28710-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-28710-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-28710-4	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-28710-5	S-1 (2')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 54163 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-6	T-1 (0-1')	Total/NA	Solid	8015 NM	
880-28710-7	T-1 (1.5')	Total/NA	Solid	8015 NM	
880-28710-8	T-1 (2')	Total/NA	Solid	8015 NM	
880-28710-9	T-1 (3')	Total/NA	Solid	8015 NM	
880-28710-10	T-1 (4')	Total/NA	Solid	8015 NM	
880-28710-11	T-2 (0-1')	Total/NA	Solid	8015 NM	
880-28710-12	T-2 (2')	Total/NA	Solid	8015 NM	
880-28710-13	T-2 (3')	Total/NA	Solid	8015 NM	
880-28710-14	T-3 (0-1')	Total/NA	Solid	8015 NM	
880-28710-15	T-3 (2')	Total/NA	Solid	8015 NM	
880-28710-16	T-3 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-28710-2	S-1 (6")	Soluble	Solid	DI Leach	
880-28710-3	S-1 (1')	Soluble	Solid	DI Leach	
880-28710-4	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28710-5	S-1 (2')	Soluble	Solid	DI Leach	
880-28710-6	T-1 (0-1')	Soluble	Solid	DI Leach	
880-28710-7	T-1 (1.5')	Soluble	Solid	DI Leach	
880-28710-8	T-1 (2')	Soluble	Solid	DI Leach	
880-28710-9	T-1 (3')	Soluble	Solid	DI Leach	
880-28710-10	T-1 (4')	Soluble	Solid	DI Leach	
880-28710-11	T-2 (0-1')	Soluble	Solid	DI Leach	
880-28710-12	T-2 (2')	Soluble	Solid	DI Leach	
880-28710-13	T-2 (3')	Soluble	Solid	DI Leach	
880-28710-14	T-3 (0-1')	Soluble	Solid	DI Leach	
880-28710-15	T-3 (2')	Soluble	Solid	DI Leach	
880-28710-16	T-3 (3')	Soluble	Solid	DI Leach	
MB 880-54008/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54008/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-54008/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28710-7 MS	T-1 (1.5')	Soluble	Solid	DI Leach	
880-28710-7 MSD	T-1 (1.5')	Soluble	Solid	DI Leach	

Analysis Batch: 54073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-1	S-1 (0-3")	Soluble	Solid	300.0	54008
880-28710-2	S-1 (6")	Soluble	Solid	300.0	54008
880-28710-3	S-1 (1')	Soluble	Solid	300.0	54008
880-28710-4	S-1 (1.5')	Soluble	Solid	300.0	54008
880-28710-5	S-1 (2')	Soluble	Solid	300.0	54008
880-28710-6	T-1 (0-1')	Soluble	Solid	300.0	54008
880-28710-7	T-1 (1.5')	Soluble	Solid	300.0	54008
880-28710-8	T-1 (2')	Soluble	Solid	300.0	54008
880-28710-9	T-1 (3')	Soluble	Solid	300.0	54008
880-28710-10	T-1 (4')	Soluble	Solid	300.0	54008
880-28710-11	T-2 (0-1')	Soluble	Solid	300.0	54008

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 54073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28710-12	T-2 (2')	Soluble	Solid	300.0	54008
880-28710-13	T-2 (3')	Soluble	Solid	300.0	54008
880-28710-14	T-3 (0-1')	Soluble	Solid	300.0	54008
880-28710-15	T-3 (2')	Soluble	Solid	300.0	54008
880-28710-16	T-3 (3')	Soluble	Solid	300.0	54008
MB 880-54008/1-A	Method Blank	Soluble	Solid	300.0	54008
LCS 880-54008/2-A	Lab Control Sample	Soluble	Solid	300.0	54008
LCSD 880-54008/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54008
880-28710-7 MS	T-1 (1.5')	Soluble	Solid	300.0	54008
880-28710-7 MSD	T-1 (1.5')	Soluble	Solid	300.0	54008

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28710-1

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 00:51	MNR	EET MID
Total/NA	Prep	5035			5.00 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	54207	05/26/23 12:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54026	05/24/23 13:01	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		5			54073	05/24/23 12:33	CH	EET MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-28710-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 01:11	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	54207	05/26/23 13:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54026	05/24/23 13:24	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		5			54073	05/24/23 12:49	CH	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-28710-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 01:32	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	54207	05/26/23 13:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 14:51	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		5			54073	05/24/23 12:54	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28710-4

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 01:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 15:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 12:59	CH	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28710-5

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 15:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 13:05	CH	EET MID

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

Lab Sample ID: 880-28710-6

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 05:38	MNR	EET MID
Total/NA	Prep	5035			5.05 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	54207	05/26/23 13:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 14:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		10			54073	05/24/23 13:10	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-1 (1.5')

Lab Sample ID: 880-28710-7

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 15:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		10			54073	05/24/23 13:15	CH	EET MID

Client Sample ID: T-1 (2')

Lab Sample ID: 880-28710-8

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 23:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		10			54073	05/24/23 13:31	CH	EET MID

Client Sample ID: T-1 (3')

Lab Sample ID: 880-28710-9

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		10			54073	05/24/23 13:37	CH	EET MID

Client Sample ID: T-1 (4')

Lab Sample ID: 880-28710-10

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 00:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-1 (4')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 11:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 13:53	CH	EET MID

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

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 05:58	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	54207	05/26/23 14:15	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54026	05/24/23 13:46	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		20			54073	05/24/23 13:58	CH	EET MID

Client Sample ID: T-2 (2')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 03:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 17:39	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 14:03	CH	EET MID

Client Sample ID: T-2 (3')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 03:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-2 (3')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 14:09	CH	EET MID

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

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	54019	05/25/23 06:19	MNR	EET MID
Total/NA	Prep	5035			4.96 g	5 mL	54107	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	8021B		1000	5 mL	5 mL	54207	05/26/23 14:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54026	05/24/23 14:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 14:14	CH	EET MID

Client Sample ID: T-3 (2')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 03:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 18:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 14:19	CH	EET MID

Client Sample ID: T-3 (3')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 04:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54139	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54163	05/25/23 11:47	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Client Sample ID: T-3 (3')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28710-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	54020	05/24/23 08:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54026	05/24/23 18:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 14:25	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: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
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	T104704400-22-25	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
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: Lomas Rojas 26 State CTB

Job ID: 880-28710-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28710-1	S-1 (0-3")	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-2	S-1 (6")	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-3	S-1 (1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-4	S-1 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-5	S-1 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-6	T-1 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-7	T-1 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-8	T-1 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-9	T-1 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-10	T-1 (4')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-11	T-2 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-12	T-2 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-13	T-2 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-14	T-3 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-15	T-3 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28710-16	T-3 (3')	Solid	05/22/23 00:00	05/23/23 15:07

Work Order No: 28710Page 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 <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project.	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other	

Project Name	Lomas Rojas 26 State CTB		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes						
Project Number	2040		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 300																None NO DI Water: H ₂ O					
Project Location	Lea County, NM		Due Date	72 Hrs																			Cool Cool MeOH Me					
Sampler's Name	MM		72-hour TAT																				HCL HC HNO ₃ HN					
PO #																						H ₂ SO ₄ H ₂ NaOH Na						
SAMPLE RECEIPT			Temp Blank. Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>																		H ₃ PO ₄ HP	
Received Intact:			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID		-29		-9.3																		NaHSO ₄ NABIS	
Cooler Custody Seals			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor		-29		-9.3																		Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading		-9.3		-9.5																		Zn Acetate+NaOH Zn	
Total Containers					Corrected Temperature		-9.5																				NaOH+Ascorbic Acid SAPC	
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
S-1 (0-3")			5/22/2023		X		Grab/	1	X	X	X															402		
S-1 (6")			5/22/2023		X		Grab/	1	X	X	X																	
S-1 (1')			5/22/2023		X		Grab/	1	X	X	X																	
S-1 (1.5')			5/22/2023		X		Grab/	1	X	X	X																	
S-1 (2')			5/22/2023		X		Grab/	1	X	X	X																	
T-1 (0-1')			5/22/2023		X		Grab/	1	X	X	X																	
T-1 (1.5')			5/22/2023		X		Grab/	1	X	X	X																	
T-1 (2')			5/22/2023		X		Grab/	1	X	X	X																	
T-1 (3')			5/22/2023		X		Grab/	1	X	X	X																	
T-1 (4')			5/22/2023		X		Grab/	1	X	X	X																	



880-28710 Chain of Custody

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	5-23-23 1507	<i>[Signature]</i>	

Work Order No: 28110

Page 2 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	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC	<input type="checkbox"/> Superfund	<input type="checkbox"/>			
State of Project:									
Reporting Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> UST/UST	<input type="checkbox"/> RRP	<input type="checkbox"/> Level IV	<input type="checkbox"/>				
Deliverables	EDD	<input type="checkbox"/>	ADaPT	<input type="checkbox"/>	Other				

[illegible]

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>Arana May</i>	5-23-23 1507	<i>[Signature]</i>	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28710-1

SDG Number: Lea County, NM

Login Number: 28710

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 5/25/2023 11:10:20 AM

JOB DESCRIPTION

Lomas Rojas 26 State CTB
SDG NUMBER Lea County, NM

JOB NUMBER

880-28708-1

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
5/25/2023 11:10:20 AM

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

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Laboratory Job ID: 880-28708-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control 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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Job ID: 880-28708-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-28708-1****Receipt**

The samples were received on 5/23/2023 3:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -9.5°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-28708-1), H-2 (0-0.5') (880-28708-2), H-3 (0-0.5') (880-28708-3) and H-4 (0-0.5') (880-28708-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-54007 and analytical batch 880-54019 was outside the control limits.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-53995 and analytical batch 880-54019 recovered outside control limits for the following analytes: Ethylbenzene, m-Xylene & p-Xylene and o-Xylene.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53995 and analytical batch 880-54019 was outside the control limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-53995 and analytical batch 880-54019 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-54007 and analytical batch 880-54019 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 880-54018 and analytical batch 880-54024 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-0.5') (880-28708-1), H-2 (0-0.5') (880-28708-2), H-3 (0-0.5') (880-28708-3) and H-4 (0-0.5') (880-28708-4). 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: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28708-1

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00695		0.00201		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
Toluene	0.00945		0.00201		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
o-Xylene	<0.00201	U *1	0.00201		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		05/23/23 17:00	05/24/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/23/23 17:00	05/24/23 19:23	1
1,4-Difluorobenzene (Surr)	94		70 - 130				05/23/23 17:00	05/24/23 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0164		0.00402		mg/Kg			05/25/23 09:13	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			05/25/23 10:20	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		05/24/23 08:08	05/24/23 17:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 17:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	198	S1+	70 - 130				05/24/23 08:08	05/24/23 17:39	1
o-Terphenyl	207	S1+	70 - 130				05/24/23 08:08	05/24/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		5.01		mg/Kg			05/24/23 12:01	1

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

Lab Sample ID: 880-28708-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0176		0.00199		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
Toluene	0.0175		0.00199		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
m-Xylene & p-Xylene	0.00580	*1	0.00398		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
o-Xylene	0.00272	*1	0.00199		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
Xylenes, Total	0.00852	*1	0.00398		mg/Kg		05/23/23 17:00	05/24/23 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				05/23/23 17:00	05/24/23 19:43	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/23/23 17:00	05/24/23 19:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28708-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0436		0.00398		mg/Kg			05/25/23 09:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	60.3		49.9		mg/Kg			05/25/23 10:20	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		05/24/23 08:08	05/24/23 18:01	1
Diesel Range Organics (Over C10-C28)	60.3		49.9		mg/Kg		05/24/23 08:08	05/24/23 18:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	194	S1+	70 - 130				05/24/23 08:08	05/24/23 18:01	1
o-Terphenyl	202	S1+	70 - 130				05/24/23 08:08	05/24/23 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		4.97		mg/Kg			05/24/23 12:17	1

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

Lab Sample ID: 880-28708-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00251	*+	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
Toluene	0.00710		0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/25/23 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/23/23 15:54	05/25/23 04:37	1
1,4-Difluorobenzene (Surr)	73		70 - 130				05/23/23 15:54	05/25/23 04:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00961		0.00398		mg/Kg			05/25/23 09:13	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			05/25/23 10:20	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		05/24/23 08:08	05/24/23 18:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 18:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28708-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	199	S1+	70 - 130				05/24/23 08:08	05/24/23 18:23	1
o-Terphenyl	202	S1+	70 - 130				05/24/23 08:08	05/24/23 18:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.4		4.98		mg/Kg			05/24/23 12:22	1

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

Lab Sample ID: 880-28708-4

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00345	*+	0.00200		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
Toluene	0.00453		0.00200		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:54	05/25/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/23/23 15:54	05/25/23 04:57	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/23/23 15:54	05/25/23 04:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00798		0.00399		mg/Kg			05/25/23 09:13	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			05/25/23 10:20	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		05/24/23 08:08	05/24/23 18:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 18:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	175	S1+	70 - 130				05/24/23 08:08	05/24/23 18:44	1
o-Terphenyl	183	S1+	70 - 130				05/24/23 08:08	05/24/23 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		4.98		mg/Kg			05/24/23 12:27	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
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)				
880-28699-A-1-A MS	Matrix Spike	112	107				
880-28699-A-1-B MSD	Matrix Spike Duplicate	110	93				
880-28708-1	H-1 (0-0.5')	109	94				
880-28708-2	H-2 (0-0.5')	109	103				
880-28708-3	H-3 (0-0.5')	112	73				
880-28708-4	H-4 (0-0.5')	114	89				
880-28711-A-21-F MS	Matrix Spike	114	107				
880-28711-A-21-G MSD	Matrix Spike Duplicate	109	109				
LCS 880-53995/1-A	Lab Control Sample	114	103				
LCS 880-54007/1-A	Lab Control Sample	89	114				
LCSD 880-53995/2-A	Lab Control Sample Dup	121	103				
LCSD 880-54007/2-A	Lab Control Sample Dup	111	98				
MB 880-53995/5-A	Method Blank	66 S1-	99				
MB 880-54007/5-A	Method Blank	64 S1-	79				
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)				
880-28708-1	H-1 (0-0.5')	198 S1+	207 S1+				
880-28708-2	H-2 (0-0.5')	194 S1+	202 S1+				
880-28708-3	H-3 (0-0.5')	199 S1+	202 S1+				
880-28708-4	H-4 (0-0.5')	175 S1+	183 S1+				
880-28711-A-16-D MS	Matrix Spike	110	103				
880-28711-A-16-E MSD	Matrix Spike Duplicate	110	101				
LCS 880-54018/2-A	Lab Control Sample	84	83				
LCSD 880-54018/3-A	Lab Control Sample Dup	86	84				
MB 880-54018/1-A	Method Blank	190 S1+	206 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53995/5-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53995

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 15:40	05/24/23 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	05/23/23 15:40	05/24/23 11:50	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/23/23 15:40	05/24/23 11:50	1

Lab Sample ID: LCS 880-53995/1-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53995

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1164		mg/Kg		116	70 - 130
Toluene	0.100	0.1030		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1069		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2271		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1142		mg/Kg		114	70 - 130

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

Lab Sample ID: LCSD 880-53995/2-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53995

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08780		mg/Kg		88	70 - 130	28	35
Toluene	0.100	0.07315		mg/Kg		73	70 - 130	34	35
Ethylbenzene	0.100	0.07144	*1	mg/Kg		71	70 - 130	40	35
m-Xylene & p-Xylene	0.200	0.1409	*1	mg/Kg		70	70 - 130	47	35
o-Xylene	0.100	0.06988	*1	mg/Kg		70	70 - 130	48	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-28699-A-1-A MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53995

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09368		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.0998	0.07353		mg/Kg		74	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28699-A-1-A MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53995

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U *1 F1 F2	0.0998	0.06764	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00401	U *1 F1 F2	0.200	0.1278	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00200	U *1 F1 F2	0.0998	0.06260	F1	mg/Kg		63	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	112		70 - 130						
1,4-Difluorobenzene (Surr)	107		70 - 130						

Lab Sample ID: 880-28699-A-1-B MSD

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53995

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09914		mg/Kg		99	70 - 130	6	35
Toluene	<0.00200	U	0.100	0.09251		mg/Kg		92	70 - 130	23	35
Ethylbenzene	<0.00200	U *1 F1 F2	0.100	0.1036	F2	mg/Kg		103	70 - 130	42	35
m-Xylene & p-Xylene	<0.00401	U *1 F1 F2	0.200	0.2142	F2	mg/Kg		107	70 - 130	51	35
o-Xylene	<0.00200	U *1 F1 F2	0.100	0.1070	F2	mg/Kg		107	70 - 130	52	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	110		70 - 130								
1,4-Difluorobenzene (Surr)	93		70 - 130								

Lab Sample ID: MB 880-54007/5-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 15:54	05/24/23 22:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130				05/23/23 15:54	05/24/23 22:26	1
1,4-Difluorobenzene (Surr)	79		70 - 130				05/23/23 15:54	05/24/23 22:26	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-54007/1-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1340	*+	mg/Kg		134	70 - 130
Toluene	0.100	0.1059		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.09687		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1893		mg/Kg		95	70 - 130
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-54007/2-A

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1120		mg/Kg		112	70 - 130	18	35
Toluene	0.100	0.09957		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2170		mg/Kg		109	70 - 130	14	35
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-28711-A-21-F MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *	0.0998	0.1074		mg/Kg		108	70 - 130
Toluene	<0.00201	U	0.0998	0.09333		mg/Kg		94	70 - 130
Ethylbenzene	<0.00201	U	0.0998	0.09864		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2036		mg/Kg		102	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1032		mg/Kg		103	70 - 130

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

Lab Sample ID: 880-28711-A-21-G MSD

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *	0.100	0.1136		mg/Kg		113	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.09926		mg/Kg		99	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.1001		mg/Kg		100	70 - 130	1	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-A-21-G MSD

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54007

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2069		mg/Kg		103	70 - 130	2	35
o-Xylene	<0.00201	U	0.100	0.1041		mg/Kg		104	70 - 130	1	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	109		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								

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

Lab Sample ID: MB 880-54018/1-A

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54018

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		05/24/23 08:08	05/24/23 09:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 09:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 09:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	190	S1+	70 - 130				05/24/23 08:08	05/24/23 09:39	1
o-Terphenyl	206	S1+	70 - 130				05/24/23 08:08	05/24/23 09:39	1

Lab Sample ID: LCS 880-54018/2-A

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	929.1		mg/Kg		93	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	946.0		mg/Kg		95	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	84		70 - 130						
o-Terphenyl	83		70 - 130						

Lab Sample ID: LCSD 880-54018/3-A

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54018

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	979.6		mg/Kg		98	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	972.6		mg/Kg		97	70 - 130	3	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-54018/3-A

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54018

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-28711-A-16-D MS

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54018

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	921.0		mg/Kg		92	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	999	937.4		mg/Kg		91	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	110		70 - 130							
o-Terphenyl	103		70 - 130							

Lab Sample ID: 880-28711-A-16-E MSD

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54018

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	913.8		mg/Kg		92	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	997	931.1		mg/Kg		90	70 - 130	1	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	110		70 - 130									
o-Terphenyl	101		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54008/1-A

Matrix: Solid

Analysis Batch: 54073

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			05/24/23 11:45	1	

Lab Sample ID: LCS 880-54008/2-A

Matrix: Solid

Analysis Batch: 54073

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	249.6		mg/Kg		100	90 - 110		

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QC Sample Results

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-54008/3-A

Matrix: Solid

Analysis Batch: 54073

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	251.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-28708-1 MS

Matrix: Solid

Analysis Batch: 54073

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	105		251	354.2		mg/Kg		99	90 - 110		

Lab Sample ID: 880-28708-1 MSD

Matrix: Solid

Analysis Batch: 54073

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	105		251	355.6		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

GC VOA

Prep Batch: 53995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	5035	
MB 880-53995/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53995/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53995/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28699-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-28699-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 54007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-54007/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54007/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54007/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28711-A-21-F MS	Matrix Spike	Total/NA	Solid	5035	
880-28711-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 54019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	8021B	53995
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	8021B	53995
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	8021B	54007
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	8021B	54007
MB 880-53995/5-A	Method Blank	Total/NA	Solid	8021B	53995
MB 880-54007/5-A	Method Blank	Total/NA	Solid	8021B	54007
LCS 880-53995/1-A	Lab Control Sample	Total/NA	Solid	8021B	53995
LCS 880-54007/1-A	Lab Control Sample	Total/NA	Solid	8021B	54007
LCSD 880-53995/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53995
LCSD 880-54007/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54007
880-28699-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	53995
880-28699-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53995
880-28711-A-21-F MS	Matrix Spike	Total/NA	Solid	8021B	54007
880-28711-A-21-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	54007

Analysis Batch: 54138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54018/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 54018 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-54018/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28711-A-16-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28711-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54018
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54018
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54018
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54018
MB 880-54018/1-A	Method Blank	Total/NA	Solid	8015B NM	54018
LCS 880-54018/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54018
LCSD 880-54018/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54018
880-28711-A-16-D MS	Matrix Spike	Total/NA	Solid	8015B NM	54018
880-28711-A-16-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54018

Analysis Batch: 54156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28708-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28708-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28708-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28708-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28708-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28708-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54008/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54008/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54008/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28708-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28708-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 54073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28708-1	H-1 (0-0.5')	Soluble	Solid	300.0	54008
880-28708-2	H-2 (0-0.5')	Soluble	Solid	300.0	54008
880-28708-3	H-3 (0-0.5')	Soluble	Solid	300.0	54008
880-28708-4	H-4 (0-0.5')	Soluble	Solid	300.0	54008
MB 880-54008/1-A	Method Blank	Soluble	Solid	300.0	54008
LCS 880-54008/2-A	Lab Control Sample	Soluble	Solid	300.0	54008
LCSD 880-54008/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54008
880-28708-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	54008
880-28708-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	54008

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28708-1

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53995	05/23/23 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54138	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54156	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54018	05/24/23 08:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54024	05/24/23 17:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 12:01	CH	EET MID

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

Lab Sample ID: 880-28708-2

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	53995	05/23/23 17:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 19:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54138	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54156	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54018	05/24/23 08:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54024	05/24/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 12:17	CH	EET MID

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

Lab Sample ID: 880-28708-3

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 04:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54138	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54156	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.031 g	10 mL	54018	05/24/23 08:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54024	05/24/23 18:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 12:22	CH	EET MID

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

Lab Sample ID: 880-28708-4

Date Collected: 05/22/23 00:00

Matrix: Solid

Date Received: 05/23/23 15:07

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	54007	05/23/23 15:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/25/23 04:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54138	05/25/23 09:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Client Sample ID: H-4 (0-0.5')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28708-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54156	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54018	05/24/23 08:08	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54024	05/24/23 18:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54008	05/23/23 16:05	KS	EET MID
Soluble	Analysis	300.0		1			54073	05/24/23 12:27	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: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
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: Lomas Rojas 26 State CTB

Job ID: 880-28708-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28708-1	H-1 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28708-2	H-2 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28708-3	H-3 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28708-4	H-4 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07

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Work Order No: 28708

5/25/2023

Page 1 of 1

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	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name		Lomas Rojas 26 State CTB		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		2040		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> 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		MM		72-hour TAT														HCL HC HNO ₃ HN									
PO #																		H ₂ SO ₄ H ₂ NaOH Na									
SAMPLE RECEIPT		Temp Blank.		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID		128														NaHSO ₄ NABIS							
Cooler Custody Seals.		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor		130														Na ₂ S ₂ O ₃ NaSO ₃							
Sample Custody Seals.		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading		-9.2														Zn Acetate+NaOH Zn							
Total Containers				Corrected Temperature		-9.5														NaOH+Ascorbic Acid SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont														Sample Comments	
H-1 (0-0 5')		5/22/2023				X				Grab/		1		X X X												402	
H-2 (0-0 5')		5/22/2023				X				Grab/		1		X X X													
H-3 (0-0 5')		5/22/2023				X				Grab/		1		X X X													
H-4 (0-0 5')		5/22/2023				X				Grab/		1		X X X													



880-28708 Chain of Custody

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

Relinquished by (Signature)		Date/Time		Received by (Signature)		Date/Time	
<i>Carmona</i>		5-23-23 1507		<i>[Signature]</i>			

Page 23 of 24

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28708-1
SDG Number: Lea County, NM

Login Number: 28708

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

July 19, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: LOMAS ROJAS 26 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/18/23 8:06.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (3.0') (H233708-01)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	07/18/2023	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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (4.25'-4.5') (H233708-02)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	128	16.0	07/18/2023	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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (3.5') (H233708-03)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	16.0	16.0	07/18/2023	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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (3.5') (H233708-04)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/18/2023	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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (3.5') (H233708-05)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	07/18/2023	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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	23.6	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 6 (3.5') (H233708-06)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	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	16.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/18/2023	ND	175	87.5	200	0.899	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	177	88.3	200	0.0447	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (3.5') (H233708-07)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	07/18/2023	ND	448	112	400	3.64	

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	07/18/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 8 (3.5') (H233708-08)

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	07/18/2023	ND	2.19	109	2.00	3.00		
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/18/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 9 (4.25'-4.5') (H233708-09)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTEX	<0.300	0.300	07/18/2023	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	32.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/18/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (4.25'-4.5') (H233708-10)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	32.0	16.0	07/18/2023	ND	448	112	400	3.64	

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 11 (4.25'-4.5') (H233708-11)

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	07/18/2023	ND	2.19	109	2.00	3.00		
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37		
Total BTEX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 12 (4.25'-4.5') (H233708-12)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTEx	<0.300	0.300	07/18/2023	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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (3.0') (H233708-13)

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	07/18/2023	ND	2.19	109	2.00	3.00		
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37		
Total BTX	<0.300	0.300	07/18/2023	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	80.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (3.0') (H233708-14)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (3.0') (H233708-15)

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	07/18/2023	ND	2.19	109	2.00	3.00		
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37		
Total BTX	<0.300	0.300	07/18/2023	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	32.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (4.25'-4.5') (H233708-16)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	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	80.0	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (4.25'-4.5') (H233708-17)

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	07/18/2023	ND	2.19	109	2.00	3.00	
Toluene*	<0.050	0.050	07/18/2023	ND	2.14	107	2.00	2.75	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.09	104	2.00	2.72	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.27	104	6.00	2.37	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (4.25'-4.5') (H233708-18)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	240	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	51.1	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	12.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 7 (4.25'-4.5') (H233708-19)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	07/18/2023	ND	448	112	400	3.64	

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (4.25'-4.5') (H233708-20)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (4.25'-4.5') (H233708-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12		
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	160	16.0	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	12.8	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (3.5') (H233708-22)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12		
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (3.5') (H233708-23)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/18/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (3.5') (H233708-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/18/2023	ND	448	112	400	3.64	

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 13 (3.5') (H233708-25)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12		
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264		
Total BTX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/18/2023	ND	448	112	400	3.64		

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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 14 (3.5') (H233708-26)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	07/18/2023	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	07/19/2023	ND	216	108	200	4.38	
DRO >C10-C28*	86.1	10.0	07/19/2023	ND	207	104	200	4.00	
EXT DRO >C28-C36	22.9	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 15 (3.5') (H233708-27)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2023	ND	2.12	106	2.00	2.12	
Toluene*	<0.050	0.050	07/18/2023	ND	2.09	105	2.00	0.704	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	2.21	111	2.00	0.468	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	6.61	110	6.00	0.264	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	07/18/2023	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	07/18/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 63.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 16 (3.5') (H233708-28)

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	07/18/2023	ND	2.01	101	2.00	2.04	QM-07
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65	QM-07
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22	QM-07
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61	QM-07
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/18/2023	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	07/18/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/18/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/18/2023	ND					

Surrogate: 1-Chlorooctane 59.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.6 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 17 (3.5') (H233708-29)

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	07/18/2023	ND	2.01	101	2.00	2.04	
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61	
Total BTEx	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/18/2023	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	07/19/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 18 (0.75') (H233708-30)

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	07/18/2023	ND	2.01	101	2.00	2.04		
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61		
Total BTEX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	07/18/2023	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	07/19/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 62.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 19 (4.25'-4.5') (H233708-31)

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	07/18/2023	ND	2.01	101	2.00	2.04		
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61		
Total BTEx	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	07/18/2023	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	07/19/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 64.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 20 (4.25'-4.5') (H233708-32)

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	07/18/2023	ND	2.01	101	2.00	2.04	
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65	
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22	
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61	
Total BTEX	<0.300	0.300	07/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	07/18/2023	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	07/19/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 63.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 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: 07/18/2023
 Reported: 07/19/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 21 (1.25') (H233708-33)

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	07/18/2023	ND	2.01	101	2.00	2.04		
Toluene*	<0.050	0.050	07/18/2023	ND	1.99	99.6	2.00	1.65		
Ethylbenzene*	<0.050	0.050	07/18/2023	ND	1.96	98.2	2.00	2.22		
Total Xylenes*	<0.150	0.150	07/18/2023	ND	5.84	97.3	6.00	2.61		
Total BTEX	<0.300	0.300	07/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	07/18/2023	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	07/19/2023	ND	173	86.6	200	2.72	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	168	83.9	200	0.669	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 63.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: 4233708

Page 1 of 4


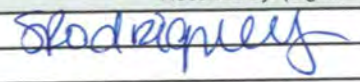
Page 36 of 39

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	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Lomas Rojas 26 State CTB		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		2040		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																None: NO DI Water: H ₂ O							
Project Location		Lea County, NM		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		MM		Same day																HCL: HC HNO ₃ : HN							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 140														H ₃ PO ₄ : HP							
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor: 3.4		Temperature Reading: 3.4														NaHSO ₄ : NABIS							
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Corrected Temperature:																		Na ₂ S ₂ O ₃ : NaSO ₃							
Total Containers:																				Zn Acetate+NaOH: Zn							
																				NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-1 (3.0')		7/17/2023				X				Comp		1		X X X												1	
CS-2 (4.25'-4.5')		7/17/2023				X				Comp		1		X X X												2	
CS-3 (3.5')		7/17/2023				X				Comp		1		X X X												3	
CS-4 (3.5')		7/17/2023				X				Comp		1		X X X												4	
CS-5 (3.5')		7/17/2023				X				Comp		1		X X X												5	
CS-6 (3.5')		7/17/2023				X				Comp		1		X X X												6	
CS-7 (3.5')		7/17/2023				X				Comp		1		X X X												7	
CS-8 (3.5')		7/17/2023				X				Comp		1		X X X												8	
CS-9 (4.25'-4.5')		7/17/2023				X				Comp		1		X X X												9	
CS-10 (4.25'-4.5')		7/17/2023				X				Comp		1		X X X												10	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7/18/23 0800		

Chain of Custody

Work Order No: H233708

Page 2 of 4

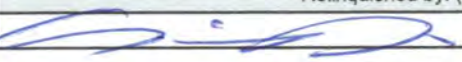
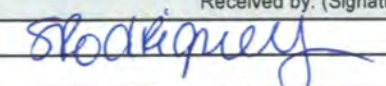
Project Manager: Conner Moehring		Bill to: (if different) Todd Wells	
Company Name: Carmona Resources		Company Name: EOG Resources	
Address: 310 W Wall St Ste 500		Address: 5509 Champions Dr	
City, State ZIP: Midland, TX 79701		City, State ZIP: Midland, Tx 79706	
Phone: 432-813-6823		Email: Todd_Wells@eogresources.com	

Work Order Comments															
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund															
State of Project:															
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>															
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:															

Project Name: Lomas Rojas 26 State CTB		Turn Around		ANALYSIS REQUEST																Preservative Codes			
Project Number: 2040		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																		None: NO DI Water: H ₂ O	
Project Location: Lea County, NM		Due Date:		Parameters		BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																Cool: Cool MeOH: Me	
Sampler's Name: MM		Same day																				HCL: HC HNO ₃ : HN	
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na	
																						H ₃ PO ₄ : HP	
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																		NaHSO ₄ : NABIS	
Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID: 140																		Na ₂ S ₂ O ₃ : NaSO ₃			
Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor: 3.4																		Zn Acetate+NaOH: Zn			
Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading: 3.4																		NaOH+Ascorbic Acid: SAPC			
Total Containers:		Corrected Temperature:																					

Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont																	Sample Comments			
CS-11 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	11
CS-12 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	12
SW-1 (3.0')		7/17/2023		X		Comp	1	X	X	X																	13
SW-2 (3.0')		7/17/2023		X		Comp	1	X	X	X																	14
SW-3 (3.0')		7/17/2023		X		Comp	1	X	X	X																	15
SW-4 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	16
SW-5 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	17
SW-6 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	18
SW-7 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	19
SW-8 (4.25'-4.5')		7/17/2023		X		Comp	1	X	X	X																	20

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

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
		7/18/23 0810					

Chain of Custody

Work Order No: 1233708

Page 3 of 4

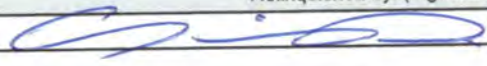
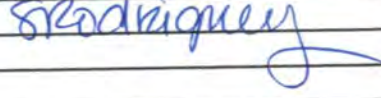
Page 38 of 39

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 <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																			None: NO DI Water: H ₂ O			
Project Location:		Due Date:		Parameters																	Cool: Cool MeOH: Me			
Sampler's Name:		Same day																			HCL: HC HNO ₃ : HN			
PO #:																					H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			H ₃ PO ₄ : HP			
Received Intact:		Thermometer ID: <u>140</u>																			NaHSO ₄ : NABIS			
Cooler Custody Seals:		Correction Factor:		Grab/Comp	# of Cont																	Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Temperature Reading: <u>3.42</u>																				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-9 (4.25'-4.5')	7/17/2023		X		Comp	1	X	X	X													<u>21</u>		
SW-10 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>22</u>		
SW-11 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>23</u>		
SW-12 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>24</u>		
SW-13 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>25</u>		
SW-14 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>26</u>		
SW-15 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>27</u>		
SW-16 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>28</u>		
SW-17 (3.5')	7/17/2023		X		Comp	1	X	X	X													<u>29</u>		
SW-18 (0.75')	7/17/2023		X		Comp	1	X	X	X													<u>30</u>		

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7/18/23 0806		

Chain of Custody

Work Order No: H233708

Page 4 of 4

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

July 20, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: LOMAS ROJAS 26 STATE CTB

Enclosed are the results of analyses for samples received by the laboratory on 07/19/23 15:20.

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". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

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: 07/19/2023
 Reported: 07/20/2023
 Project Name: LOMAS ROJAS 26 STATE CTB
 Project Number: 2040
 Project Location: EOG LEA CO NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (3.5') (H233756-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34	
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00	
Total BTEX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/20/2023	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	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	32.1	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Work Order No: H23375



Page 1 of 1

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	<input type="checkbox"/> PRP	<input type="checkbox"/> Brownfields	<input type="checkbox"/> RC <input type="checkbox"/> Superfund
State of Project:				
Reporting:	Level II	<input type="checkbox"/> Level III	<input type="checkbox"/> ST/UST	<input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD	<input type="checkbox"/>	ADaPT	<input type="checkbox"/> Other:

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7-19-23		15:20 7/19/23

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 253759

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 253759
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/4/2023