

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Federal 21 Battery
Lea County, New Mexico
Incident ID: NAPP2314451527
Unit K Sec 21 T18S R33E
32.731051°, -103.670371°

Crude Oil Release
Point of Release: Pinhole on Circulating Line
Release Date: 05/03/2023
Volume Released: 21 barrels of Crude Oil
Volume Recovered: 20 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
EOG Resources, Inc
5509 Champions Dr.
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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November 10, 2023

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

**Re: Closure Report
Federal 21 Battery
EOG Resources Inc.
Incident # NAPP2314451527
Site Location: Unit K, S21, T18S, R33E
(Lat 32.731051°, Long -103.670371°)
Lea County, New Mexico**

To whom it may concern:

On behalf of EOG Resources Inc. (EOG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Federal 21 Battery. This site is located at 32.731051°, -103.670371° within Unit K, S21, T18S, 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 3, 2023, due to a pinhole leak on a circulating line. It resulted in the release of approximately twenty-one (21) barrels of crude oil, with twenty (20) barrels of crude oil recovered. The impacted area occurred within the bermed facility. See 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 1.57 miles Southwest of the site in S30, T18S, R33E, and was drilled in 1957. The well has a reported depth to groundwater of 35' below ground surface (ft bgs). 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 NMAC, the following criteria were utilized in assessing the site.

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

4.0 Site Assessment Activities

Initial Assessment

On May 22, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of five (5) sample points (S-1 through S-5) and ten (10) horizontal sample points (H-1 through H-10) were installed to total depths ranging from surface to 5.0' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed

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



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.

Using a hand auger, a dense layer was encountered on the pad around 4'-5' bgs and could not grab deeper samples. See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on July 24, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of four (4) floor confirmation samples were collected (CS-1 through CS-4), and fourteen (14) sidewall samples (SW-1 through SW-14) 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 4500 and 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 requirements for TPH, BTEX, and chloride. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 255 cubic yards of material were excavated and transported offsite for proper disposal.

5.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

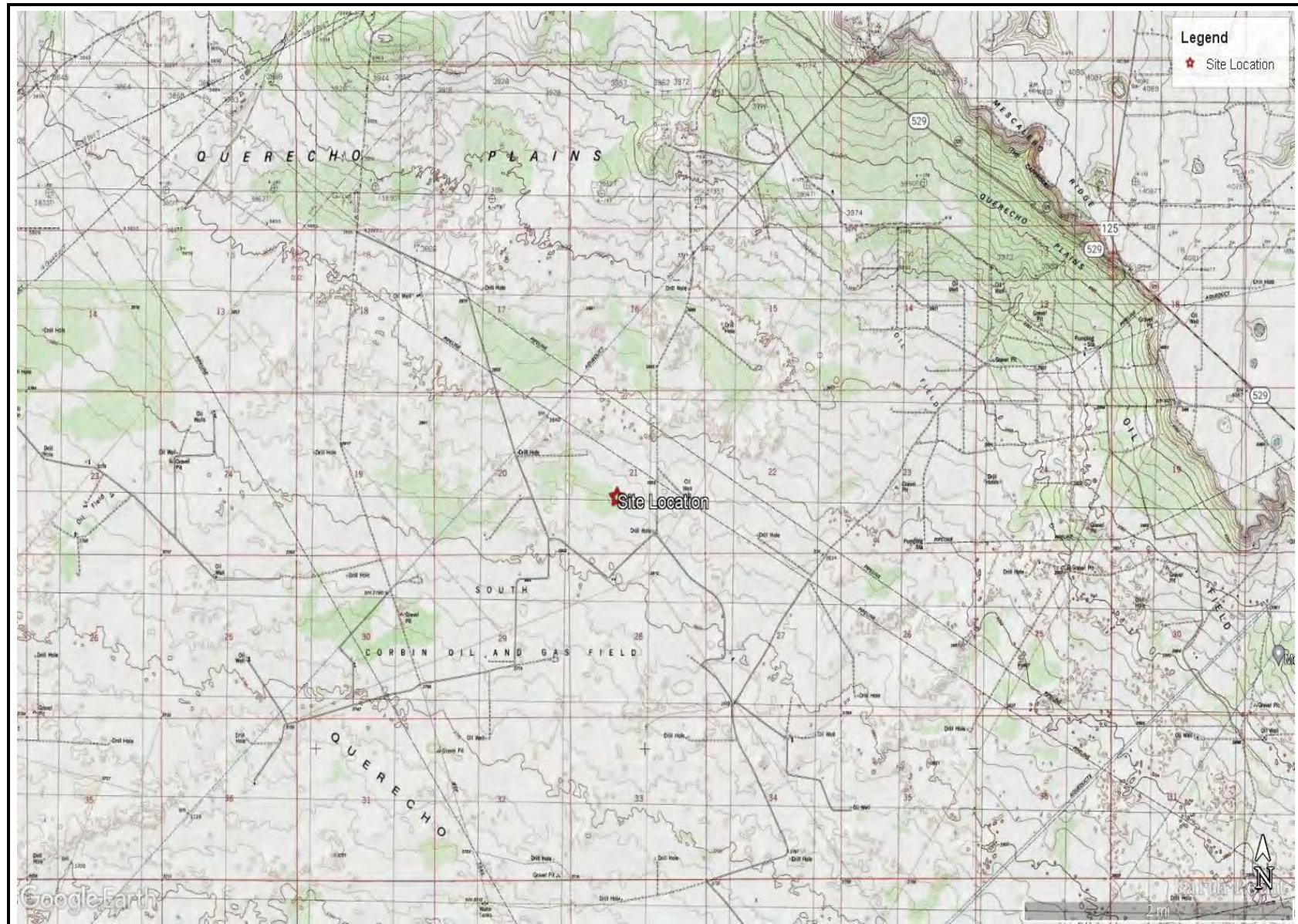




OVERVIEW MAP
EOG RESOURCES
FEDERAL 21 BATTERY
LEA COUNTY, NEW MEXICO
32.731051°, -103.670371°



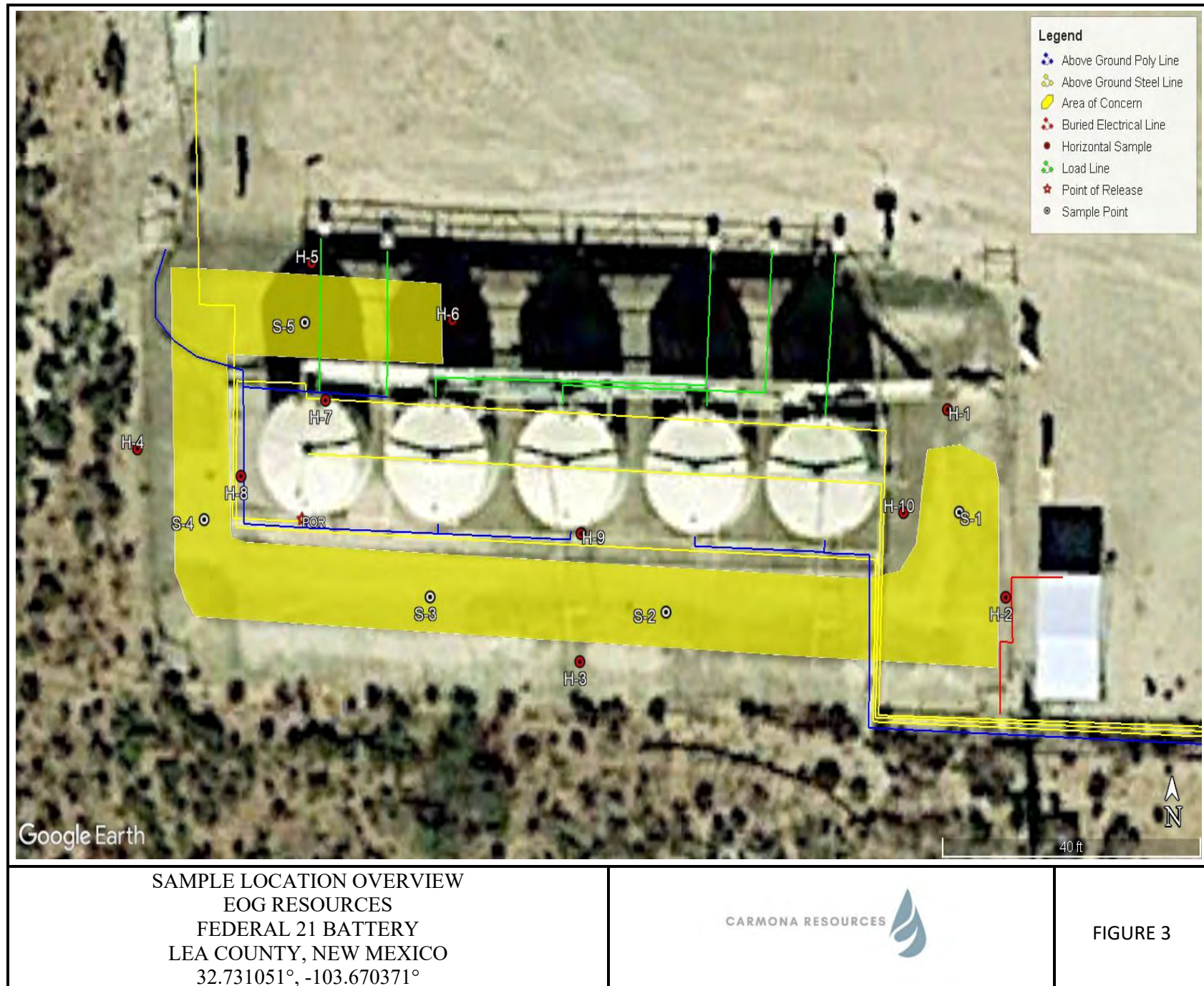
FIGURE 1

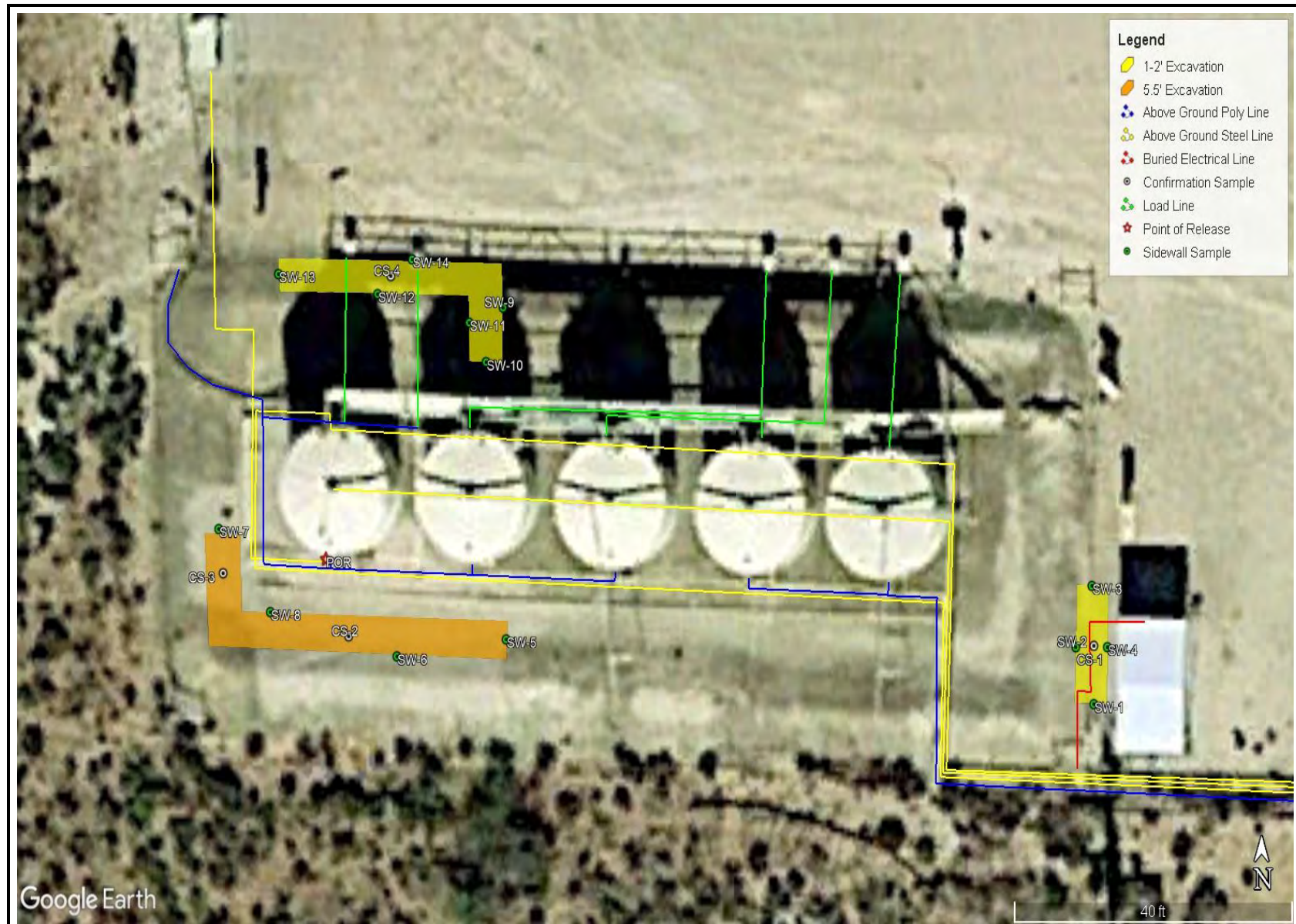


TOPOGRAPHIC MAP
EOG RESOURCES
FEDERAL 21 BATTERY
LEA COUNTY, NEW MEXICO
32.731051°, -103.670371°



FIGURE 2





EXCAVATION DEPTH OVERVIEW
 EOG RESOURCES
 FEDERAL 21 BATTERY
 LEA COUNTY, NEW MEXICO
 32.731051°, -103.670371°



FIGURE 4

APPENDIX A

CARMONA RESOURCES



Table 1
EOG Resources
Federal 21 Battery
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						
S-1	5/22/2023	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	82.3
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	75.6
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	85.8
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	251
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	277
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	146
S-2	5/22/2023	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	147
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	65.7
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	74.6
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	241
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	218
	"	5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	295
S-3	5/22/2023	0-1'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	258
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	266
	"	2'	<50.0	110	<50.0	110	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	412
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	555
	"	4'	<49.9	149	<49.9	149	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	684
S-4	5/22/2023	0-1'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	202
	"	1.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	280
	"	2'	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	686
	"	3'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	553
	"	4'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	708
S-5	5/22/2023	0-1'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	118
	"	1.5'	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	156
	"	2'	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	304
	"	3'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	217
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
Removed

Table 1
EOG Resources
Federal 21 Battery
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/22/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	62.1
H-2	5/22/2023	0-0.5'	334	3,660	1,100	5,090	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	70.1
	7/31/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-3	5/22/2023	0-0.5'	<49.9	<49.9	64.4	64.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.2
H-4	5/22/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	45.6
H-5	5/22/2023	0-0.5'	<49.9	126	59.6	186	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	108
	7/31/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-6	5/22/2023	0-0.5'	<49.9	243	148	391	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	67.9
	7/31/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-7	5/22/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	72.5
H-8	5/22/2023	0-0.5'	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	69.9
H-9	5/22/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	59.5
H-10	5/22/2023	0-0.5'	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	84.6
Regulatory Criteria ^A						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Removed

Table 2
EOG Resources
Federal 21 Battery
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						
CS-1	7/27/2023	1.0	<10.0	162	134	296	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	7/31/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-2	7/27/2023	5.0	<10.0	228	180	408	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	7/31/2023	5.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-3	7/27/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-1	7/27/2023	1.0	<10.0	350	263	613	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	7/27/2023	1.0	<10.0	212	167	379	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	7/31/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-3	7/27/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	7/27/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-5	7/27/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-6	7/27/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-7	7/27/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-8	7/27/2023	5.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-9	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-10	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-11	7/27/2023	2.0	<10.0	31.5	18.9	50.4	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-12	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-13	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-14	7/27/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria ^A							100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(CS) Confirmation Sample

(SW) Sidewall Sample

Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 1

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View North, area of CS-1.



Photograph No. 2

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View East, area of CS-2 and CS-3.



Photograph No. 3

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View Northwest, area of CS-4.



PHOTOGRAPHIC LOG

EOG Resources

Photograph No. 4

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View South, backfilled area of CS-1.



Photograph No. 5

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View West, backfilled area of CS-2 and CS-3.



Photograph No. 6

Facility: Federal 21 Battery

County: Lea County, New Mexico

Description:

View West, backfilled area of CS-4.



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	nAPP2314451527
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) nAPP2314451527
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.731051° Longitude -103.670371°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal 21 Battery	Site Type Tank Battery
Date Release Discovered 5/3/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
K	21	18S	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)

☒ Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 20
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The circulating line developed a pin hole leak at the connection causing the crude oil release. This released approximately 21 bbls of crude oil at the battery with 20 bbls recovered.

Incident ID	NAPP2314451527
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>5/24/23</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>05/24/2023</u>

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 11/10/23

email: _____ Telephone: _____

OCD Only

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

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Todd Wells Date: 11/10/23

email: _____ Telephone: _____

OCD Only

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

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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 220301

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 220301
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/24/2023

From: Wells, Shelly, EMNRD
Sent: Monday, July 24, 2023 1:41 PM
To: Conner Moehring
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] EOG - Federal 21 Battery - Sampling Notification

Hi Conner,

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

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
(505)469-7520 | Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Monday, July 24, 2023 12:53 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Todd Wells <Todd_Wells@eogresources.com>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: [EXTERNAL] EOG - Federal 21 Battery - Sampling Notification

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

Good Afternoon,

On behalf of EOG, Carmona Resources will collect confirmation samples for the below site on 07/27/23. Sampling is scheduled to begin as early as 8:00 a.m. (MST) Thursday, July 27, weather and soil conditions permitting. Please let me know if you have any questions.

EOG – Federal 21 Battery
Sec 21 T18S R33E Unit K
32.731051, -103.670371
nAPP2314451527
Lea County, New Mexico

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



APPENDIX D

CARMONA RESOURCES

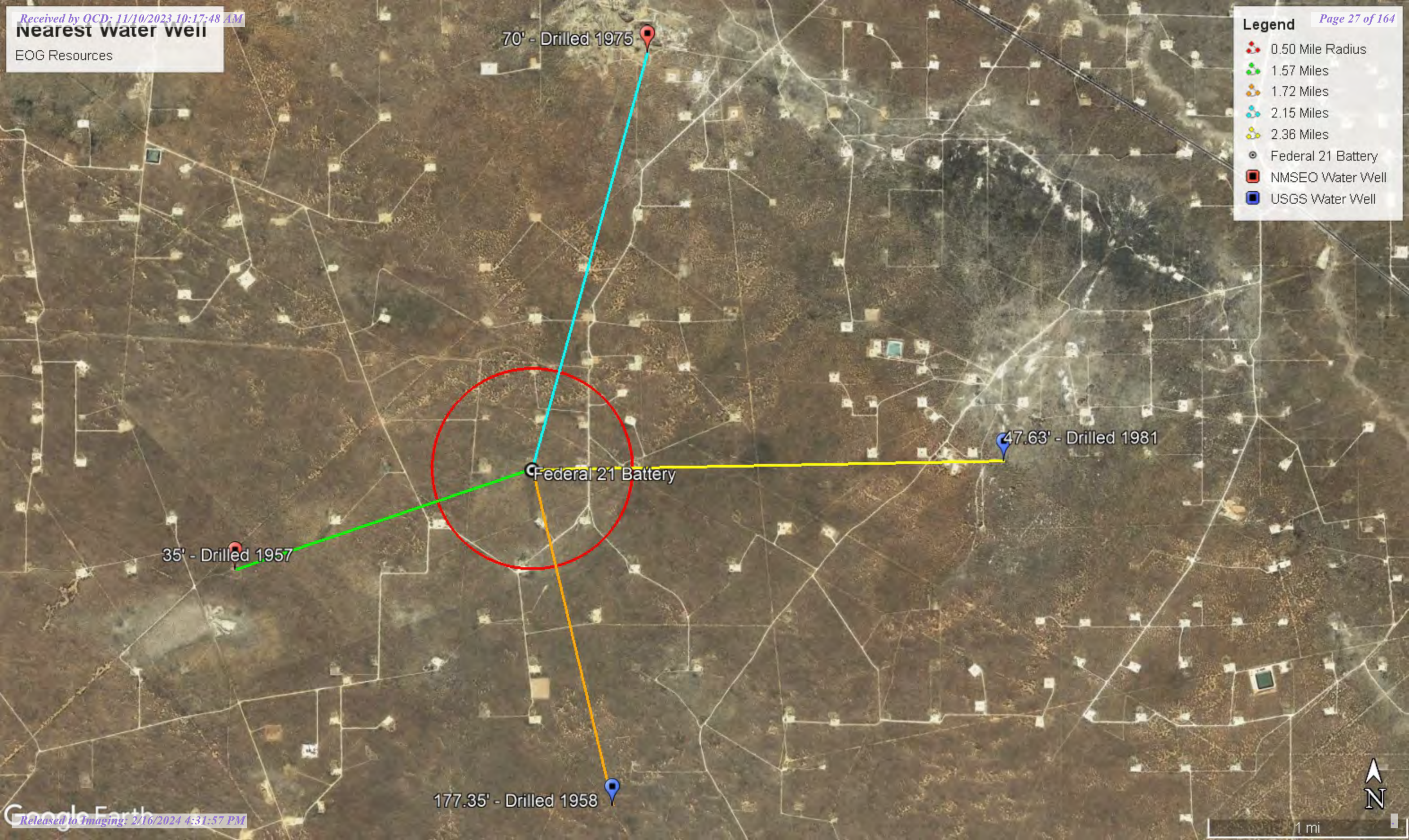


Nearest water well

EOG Resources

Legend

- 0.50 Mile Radius
- 1.57 Miles
- 1.72 Miles
- 2.15 Miles
- 2.36 Miles
- Federal 21 Battery
- NMSEO Water Well
- USGS Water Well



Low Karst

EOG Resources

Legend

 Federal 21 Battery

 Low

Federal 21 Battery



1 mi



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
L 03454	L	LE		2	2	30	18S	33E		622200	3621422*	2528	100	35	65
CP 00813 POD1	CP	LE				1	33	18S	33E	624441	3619644*	2613	300		
CP 00546 POD1	CP	LE		2	2	4	09	18S	33E	625464	3625597*	3456	90	70	20
C 04548 POD1	CUB	LE		1	2	1	01	26S	32E	628238	3622599	3666		110	
CP 01857 POD1	CP	LE		3	4	4	32	18S	33E	623693	3618622	3739			
CP 00072 POD3	CP	LE		2	4	4	10	18S	33E	627076	3625223*	3874	70		

Average Depth to Water: **71 feet**

Minimum Depth: **35 feet**

Maximum Depth: **110 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 624588

Northing (Y): 3622253

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.

5/31/23 12:26 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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
L	03454		2	2	30	18S	33E	622200	3621422*
Driller License:	99	Driller Company:		O.R. MUSSELWHITE WATER WELL SE					
Driller Name:	MUSSELWHITE, O.R.								
Drill Start Date:	03/29/1957	Drill Finish Date:		03/30/1957		Plug Date:			
Log File Date:	04/17/1957	PCW Rev Date:				Source: Shallow			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:	6.63	Depth Well:		100 feet		Depth Water: 35 feet			
Water Bearing Stratifications:		Top	Bottom	Description					
		70	97	Sandstone/Gravel/Conglomerate					
Casing Perforations:		Top	Bottom						
		75	100						

*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/TSC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/31/23 12:26 PM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324224103394901

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

USGS 324224103394901 18S.33E.33.21131

Lea County, New Mexico
Latitude 32°42'24", Longitude 103°39'49" NAD27
Land-surface elevation 3,769 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1958-12-09			D	62610	3590.05	NGVD29	1		Z	
1958-12-09			D	62611	3591.65	NAVD88	1		Z	
1958-12-09			D	72019	177.35		1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

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

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



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2023-05-31 14:31:35 EDT
0.28 0.25 nadww02



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
	CP 00546 POD1	2	2	4	09	18S	33E	625464	3625597*		
x											
Driller License:		208		Driller Company:			VAN NOY, W.L.				
Driller Name:		VAN NOY, W.L.									
Drill Start Date:		06/01/1975		Drill Finish Date:			06/03/1975		Plug Date:		
Log File Date:		10/02/1978		PCW Rcv Date:					Source:		Shallow
Pump Type:					Pipe Discharge Size:					Estimated Yield:	
Casing Size:		6.63		Depth Well:			90 feet		Depth Water:		70 feet
x											
Water Bearing Stratifications:					Top	Bottom	Description				
					70	85	Other/Unknown				
x											
Casing Perforations:					Top	Bottom					
					70	85					
x											

*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/TSC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

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- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324354103374801

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

USGS 324354103374801 18S.33E.23.23140

Lea County, New Mexico
Latitude 32°43'54", Longitude 103°37'48" NAD27
Land-surface elevation 3,871 feet above NAVD88
The depth of the well is 58 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measur
1965-12-01			D 62610		3824.40	NGVD29	1		Z	
1965-12-01			D 62611		3826.03	NAVD88	1		Z	
1965-12-01			D 72019	44.97			1		Z	
1968-03-06			D 62610		3823.11	NGVD29	1		Z	
1968-03-06			D 62611		3824.74	NAVD88	1		Z	
1968-03-06			D 72019	46.26			1		Z	
1971-02-09			D 62610		3823.72	NGVD29	1		Z	
1971-02-09			D 62611		3825.35	NAVD88	1		Z	
1971-02-09			D 72019	45.65			1		Z	
1976-02-17			D 62610		3823.06	NGVD29	1		Z	
1976-02-17			D 62611		3824.69	NAVD88	1		Z	
1976-02-17			D 72019	46.31			1		Z	
1981-02-20			D 62610		3821.74	NGVD29	1		Z	
1981-02-20			D 62611		3823.37	NAVD88	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1981-02-20			D	72019	47.63		1	Z		

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=324354103374801&agency_cd=USGS&format=html)

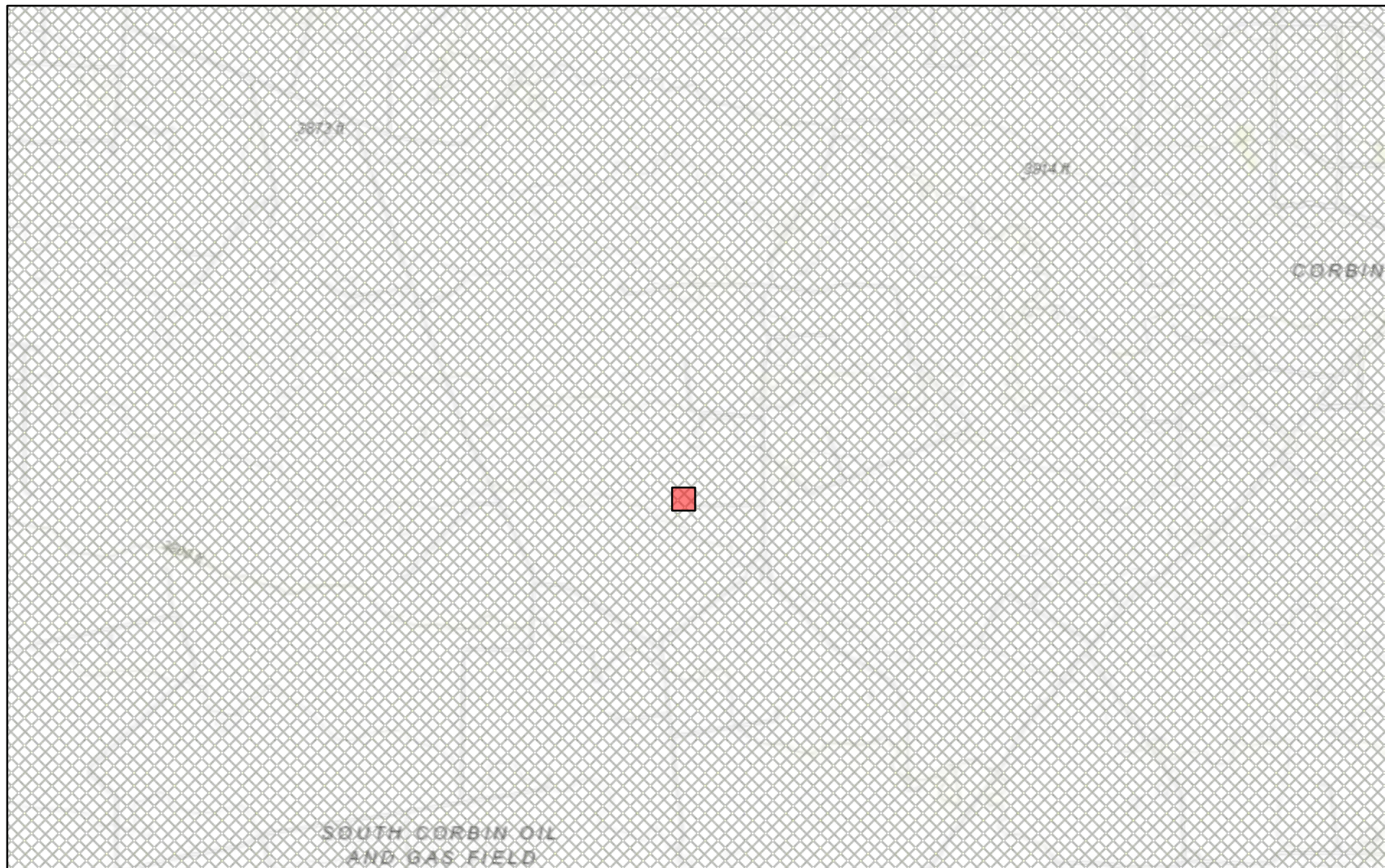
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2023-05-31 14:29:14 EDT

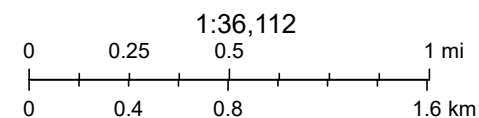
0.35 0.31 nadww01



New Mexico NFHL Data



May 31, 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 5/25/2023 12:08:59 PM

JOB DESCRIPTION

Federal 21 Battery
SDG NUMBER Lea County, NM

JOB NUMBER

880-28711-1

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 12:08:59 PM

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

Client: Carmona Resources
Project/Site: Federal 21 Batttery

Laboratory Job ID: 880-28711-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 21 Batttery

Job ID: 880-28711-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery 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
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
F1	MS and/or MSD recovery exceeds control limits.
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: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Job ID: 880-28711-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28711-1

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 (0-1') (880-28711-1), S-1 (1.5') (880-28711-2), S-1 (2') (880-28711-3), S-1 (3') (880-28711-4), S-1 (4') (880-28711-5), S-1 (5') (880-28711-6), S-2 (0-1') (880-28711-7), S-2 (1.5') (880-28711-8), S-2 (2') (880-28711-9), S-2 (3') (880-28711-10), S-2 (4') (880-28711-11), S-2 (5') (880-28711-12), S-3 (0-1') (880-28711-13), S-3 (1.5') (880-28711-14), S-3 (2') (880-28711-15), S-3 (3') (880-28711-16), S-3 (4') (880-28711-17), S-4 (0-1') (880-28711-18), S-4 (1.5') (880-28711-19), S-4 (2') (880-28711-20), S-4 (3') (880-28711-21), S-4 (4') (880-28711-22), S-5 (0-1') (880-28711-23), S-5 (1.5') (880-28711-24), S-5 (2') (880-28711-25) and S-5 (3') (880-28711-26).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-54006 and analytical batch 880-54052 recovered outside control limits for the following analytes: Benzene and Ethylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-54006 and analytical batch 880-54052 was outside control limits for the following analyte(s): Benzene, Toluene, Ethylbenzene and m-Xylene & p-Xylene. Results may be biased high because this analyte is a common laboratory solvent and contaminant.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-54053 and analytical batch 880-54052 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: 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 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: 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: The matrix spike (MS) recoveries for preparation batch 880-54020 and analytical batch 880-54026 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-54021 and analytical batch 880-54028 was outside the upper control limits.

Case Narrative

Client: Carmona Resources
Project/Site: Federal 21 Batttery

Job ID: 880-28711-1
SDG: Lea County, NM

Job ID: 880-28711-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-28709-A-1-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (4') (880-28711-5), S-2 (1.5') (880-28711-8), S-2 (2') (880-28711-9) and S-2 (3') (880-28711-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (5) (880-28711-12) and S-3 (1.5') (880-28711-14). 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-54009 and analytical batch 880-54096 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.

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: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-1

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	<0.00201	U *+ F1	0.00201		mg/Kg		05/23/23 15:43	05/24/23 14:42	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		05/23/23 15:43	05/24/23 14:42	1
Ethylbenzene	<0.00201	U *+ F1	0.00201		mg/Kg		05/23/23 15:43	05/24/23 14:42	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		05/23/23 15:43	05/24/23 14:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 14:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 14:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	05/23/23 15:43	05/24/23 14:42	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/23/23 15:43	05/24/23 14:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/23 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			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 19:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 19:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	05/24/23 08:13	05/24/23 19:07	1
o-Terphenyl	89		70 - 130	05/24/23 08:13	05/24/23 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.3		5.01		mg/Kg			05/24/23 12:29	1

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28711-2

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	<0.00202	U *+	0.00202		mg/Kg		05/23/23 15:43	05/24/23 15:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/23/23 15:43	05/24/23 15:02	1
Ethylbenzene	<0.00202	U *+	0.00202		mg/Kg		05/23/23 15:43	05/24/23 15:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/23/23 15:43	05/24/23 15:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/23/23 15:43	05/24/23 15:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/23/23 15:43	05/24/23 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/23/23 15:43	05/24/23 15:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/23/23 15:43	05/24/23 15:02	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-28711-2

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	<0.00404	U	0.00404		mg/Kg			05/24/23 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			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 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/24/23 08:13	05/24/23 19:28	1
o-Terphenyl	87		70 - 130				05/24/23 08:13	05/24/23 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		5.02		mg/Kg			05/24/23 12:45	1

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28711-3

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	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 15:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/23/23 15:43	05/24/23 15:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/23/23 15:43	05/24/23 15:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/23 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			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 19:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 19:50	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (2')

Lab Sample ID: 880-28711-3

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)	<49.9	U	49.9		mg/Kg		05/24/23 08:13	05/24/23 19:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				05/24/23 08:13	05/24/23 19:50	1
o-Terphenyl	89		70 - 130				05/24/23 08:13	05/24/23 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.8		4.99		mg/Kg			05/24/23 12:50	1

Client Sample ID: S-1 (3')

Lab Sample ID: 880-28711-4

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	<0.00199	U *	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/23/23 15:43	05/24/23 15:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/23/23 15:43	05/24/23 15:43	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			05/24/23 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			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 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:13	05/24/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/24/23 08:13	05/24/23 20:11	1
o-Terphenyl	88		70 - 130				05/24/23 08:13	05/24/23 20:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		4.95		mg/Kg			05/24/23 12:56	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (4')

Lab Sample ID: 880-28711-5

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	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 16:03	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 16:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 16:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/23/23 15:43	05/24/23 16:03	1
1,4-Difluorobenzene (Surr)	100		70 - 130	05/23/23 15:43	05/24/23 16:03	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			05/24/23 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/25/23 11:53	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 08:18	05/24/23 16:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	05/24/23 08:18	05/24/23 16:56	1
o-Terphenyl	136	S1+	70 - 130	05/24/23 08:18	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	277		4.98		mg/Kg			05/24/23 13:01	1

Client Sample ID: S-1 (5')

Lab Sample ID: 880-28711-6

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	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 16:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 16:24	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 16:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 16:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 16:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/23/23 15:43	05/24/23 16:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/23/23 15:43	05/24/23 16:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (5')

Lab Sample ID: 880-28711-6

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	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 17:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 17:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/24/23 08:18	05/24/23 17:17	1
o-Terphenyl	130		70 - 130				05/24/23 08:18	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	146		4.95		mg/Kg			05/24/23 13:17	1

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

Lab Sample ID: 880-28711-7

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	<0.00201	U **	0.00201		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				05/23/23 15:43	05/24/23 16:44	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/23/23 15:43	05/24/23 16:44	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 09:04	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 11:53	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 08:18	05/24/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 17:39	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-7

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)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/24/23 08:18	05/24/23 17:39	1
o-Terphenyl	124		70 - 130				05/24/23 08:18	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	147		4.97		mg/Kg			05/24/23 13:17	1

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28711-8

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	<0.00199	U *	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
Ethylbenzene	<0.00199	U *	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/23/23 15:43	05/24/23 17:05	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/23/23 15:43	05/24/23 17:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 18:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 18:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				05/24/23 08:18	05/24/23 18:01	1
o-Terphenyl	146	S1+	70 - 130				05/24/23 08:18	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	65.7		5.04		mg/Kg			05/24/23 13:22	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28711-9

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	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:25	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 17:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 17:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	05/23/23 15:43	05/24/23 17:25	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/23/23 15:43	05/24/23 17:25	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 09:04	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 11:53	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 08:18	05/24/23 18:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 18:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 18:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	05/24/23 08:18	05/24/23 18:23	1
o-Terphenyl	132	S1+	70 - 130	05/24/23 08:18	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	74.6		4.97		mg/Kg			05/24/23 13:28	1

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28711-10

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	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 17:46	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 17:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/23/23 15:43	05/24/23 17:46	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/23/23 15:43	05/24/23 17:46	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28711-10

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	<0.00399	U	0.00399		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 18:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 18:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/24/23 08:18	05/24/23 18:45	1
o-Terphenyl	131	S1+	70 - 130				05/24/23 08:18	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	241		4.99		mg/Kg			05/24/23 13:33	1

Client Sample ID: S-2 (4')

Lab Sample ID: 880-28711-11

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	<0.00201	U **	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
Ethylbenzene	<0.00201	U **	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				05/23/23 15:43	05/24/23 19:36	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/23/23 15:43	05/24/23 19:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 19:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 19:07	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-2 (4')

Lab Sample ID: 880-28711-11

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)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/24/23 08:18	05/24/23 19:07	1
o-Terphenyl	127		70 - 130				05/24/23 08:18	05/24/23 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		5.00		mg/Kg			05/24/23 13:39	1

Client Sample ID: S-2 (5)

Lab Sample ID: 880-28711-12

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	<0.00201	U *	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				05/23/23 15:43	05/24/23 19:57	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/23/23 15:43	05/24/23 19:57	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 09:04	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 11:53	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 08:18	05/24/23 19:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 19:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				05/24/23 08:18	05/24/23 19:28	1
o-Terphenyl	133	S1+	70 - 130				05/24/23 08:18	05/24/23 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.00		mg/Kg			05/24/23 13:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-13

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	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:17	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 20:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/23/23 15:43	05/24/23 20:17	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/23/23 15:43	05/24/23 20:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 19:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 19:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/24/23 08:18	05/24/23 19:50	1
o-Terphenyl	129		70 - 130	05/24/23 08:18	05/24/23 19:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	258		4.95		mg/Kg			05/24/23 14:00	1

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28711-14

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	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:37	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 20:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 20:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/23/23 15:43	05/24/23 20:37	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/23/23 15:43	05/24/23 20:37	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-28711-14

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	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 11:53	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 08:18	05/24/23 20:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 20:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				05/24/23 08:18	05/24/23 20:11	1
o-Terphenyl	144	S1+	70 - 130				05/24/23 08:18	05/24/23 20:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		4.98		mg/Kg			05/24/23 14:22	1

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28711-15

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	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				05/23/23 15:43	05/24/23 20:58	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/23/23 15:43	05/24/23 20:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/25/23 09:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110		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 13:16	1
Diesel Range Organics (Over C10-C28)	110		50.0		mg/Kg		05/24/23 08:08	05/24/23 13:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-28711-15

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)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/24/23 08:08	05/24/23 13:16	1
o-Terphenyl	116		70 - 130				05/24/23 08:08	05/24/23 13:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		4.95		mg/Kg			05/24/23 14:27	1

Client Sample ID: S-3 (3')

Lab Sample ID: 880-28711-16

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	<0.00200	U *	0.00200		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
Ethylbenzene	<0.00200	U *	0.00200		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/23/23 15:43	05/24/23 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/23/23 15:43	05/24/23 21:18	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/23/23 15:43	05/24/23 21:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/25/23 09:04	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 12:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 12:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/24/23 08:08	05/24/23 12:12	1
o-Terphenyl	115		70 - 130				05/24/23 08:08	05/24/23 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	555		4.96		mg/Kg			05/24/23 14:32	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-3 (4')

Lab Sample ID: 880-28711-17

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 15:43	05/24/23 21:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:39	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 21:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	05/23/23 15:43	05/24/23 21:39	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/23/23 15:43	05/24/23 21:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	149		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 13:38	1
Diesel Range Organics (Over C10-C28)	149		49.9		mg/Kg		05/24/23 08:08	05/24/23 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/24/23 08:08	05/24/23 13:38	1
o-Terphenyl	112		70 - 130	05/24/23 08:08	05/24/23 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	684		5.04		mg/Kg			05/24/23 14:38	1

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

Lab Sample ID: 880-28711-18

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 15:43	05/24/23 21:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:59	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 21:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:43	05/24/23 21:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:43	05/24/23 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/23/23 15:43	05/24/23 21:59	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/23/23 15:43	05/24/23 21:59	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-18

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	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 13:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 13:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/24/23 08:08	05/24/23 13:59	1
o-Terphenyl	109		70 - 130				05/24/23 08:08	05/24/23 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	202		5.01		mg/Kg			05/24/23 14:43	1

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28711-19

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 15:43	05/24/23 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 22:20	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		05/23/23 15:43	05/24/23 22:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 22:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/23/23 15:43	05/24/23 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/23/23 15:43	05/24/23 22:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130				05/23/23 15:43	05/24/23 22:20	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 09:04	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 14:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 14:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28711-19

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)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/24/23 08:08	05/24/23 14:20	1
o-Terphenyl	112		70 - 130				05/24/23 08:08	05/24/23 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		4.98		mg/Kg			05/24/23 14:48	1

Client Sample ID: S-4 (2')

Lab Sample ID: 880-28711-20

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 15:43	05/24/23 22:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 22:40	1
Ethylbenzene	<0.00201	U *	0.00201		mg/Kg		05/23/23 15:43	05/24/23 22:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 22:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:43	05/24/23 22:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:43	05/24/23 22:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/23/23 15:43	05/24/23 22:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130				05/23/23 15:43	05/24/23 22:40	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 09:04	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 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/24/23 08:08	05/24/23 14:42	1
o-Terphenyl	111		70 - 130				05/24/23 08:08	05/24/23 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	686		5.00		mg/Kg			05/24/23 14:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Lab Sample ID: 880-28711-21

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	05/24/23 22:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/24/23 22:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/24/23 22:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/23/23 15:54	05/24/23 22:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:54	05/24/23 22:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/23/23 15:54	05/24/23 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	05/23/23 15:54	05/24/23 22:48	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/23/23 15:54	05/24/23 22:48	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 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 15:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 15:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/24/23 08:08	05/24/23 15:04	1
o-Terphenyl	108		70 - 130	05/24/23 08:08	05/24/23 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	553	F1	4.98		mg/Kg			05/24/23 18:19	1

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28711-22

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 23:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/24/23 23:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:54	05/24/23 23:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/23/23 15:54	05/24/23 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/23/23 15:54	05/24/23 23:08	1
1,4-Difluorobenzene (Surr)	76		70 - 130	05/23/23 15:54	05/24/23 23:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28711-22

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	<0.00398	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	<49.9	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 15:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 15:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/24/23 08:08	05/24/23 15:25	1
o-Terphenyl	114		70 - 130				05/24/23 08:08	05/24/23 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	708		5.03		mg/Kg			05/24/23 18:35	1

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28711-23

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 F1	0.00201		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/23 10:18	05/25/23 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				05/24/23 10:18	05/25/23 02:18	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/24/23 10:18	05/25/23 02:18	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 09:04	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 15:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 15:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28711-23

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)	<50.0	U	50.0		mg/Kg		05/24/23 08:08	05/24/23 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/24/23 08:08	05/24/23 15:46	1
o-Terphenyl	119		70 - 130				05/24/23 08:08	05/24/23 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	118		4.98		mg/Kg			05/24/23 18:41	1

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28711-24

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		05/24/23 10:18	05/25/23 02:38	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/23 10:18	05/25/23 02:38	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/23 10:18	05/25/23 02:38	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/23 10:18	05/25/23 02:38	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/23 10:18	05/25/23 02:38	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/23 10:18	05/25/23 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				05/24/23 10:18	05/25/23 02:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/24/23 10:18	05/25/23 02:38	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/25/23 09:04	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 16:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 16:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/24/23 08:08	05/24/23 16:07	1
o-Terphenyl	110		70 - 130				05/24/23 08:08	05/24/23 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	156		4.97		mg/Kg			05/24/23 18:57	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-5 (2')

Lab Sample ID: 880-28711-25

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		05/24/23 10:18	05/25/23 02:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 02:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 02:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/23 10:18	05/25/23 02:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 02:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/23 10:18	05/25/23 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	05/24/23 10:18	05/25/23 02:59	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/24/23 10:18	05/25/23 02:59	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 09:04	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 16:56	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 16:56	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/24/23 08:08	05/24/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/24/23 08:08	05/24/23 16:56	1
o-Terphenyl	113		70 - 130	05/24/23 08:08	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	304		5.03		mg/Kg			05/24/23 19:03	1

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28711-26

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		05/24/23 10:18	05/25/23 03:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 03:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 03:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/23 10:18	05/25/23 03:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/23 10:18	05/25/23 03:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/23 10:18	05/25/23 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/24/23 10:18	05/25/23 03:19	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/24/23 10:18	05/25/23 03:19	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-5 (3')

Lab Sample ID: 880-28711-26

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	<0.00398	U	0.00398		mg/Kg			05/25/23 09:04	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 17:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 17:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:08	05/24/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/24/23 08:08	05/24/23 17:17	1
o-Terphenyl	115		70 - 130				05/24/23 08:08	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	217		5.05		mg/Kg			05/24/23 19:08	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
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)
880-28711-1	S-1 (0-1')	82	95
880-28711-1 MS	S-1 (0-1')	121	119
880-28711-1 MSD	S-1 (0-1')	110	102
880-28711-2	S-1 (1.5')	93	91
880-28711-3	S-1 (2')	91	90
880-28711-4	S-1 (3')	87	87
880-28711-5	S-1 (4')	90	100
880-28711-6	S-1 (5')	98	90
880-28711-7	S-2 (0-1')	101	86
880-28711-8	S-2 (1.5')	98	93
880-28711-9	S-2 (2')	99	91
880-28711-10	S-2 (3')	94	93
880-28711-11	S-2 (4')	93	89
880-28711-12	S-2 (5')	98	92
880-28711-13	S-3 (0-1')	94	84
880-28711-14	S-3 (1.5')	95	86
880-28711-15	S-3 (2')	97	91
880-28711-16	S-3 (3')	89	88
880-28711-17	S-3 (4')	85	91
880-28711-18	S-4 (0-1')	97	93
880-28711-19	S-4 (1.5')	91	93
880-28711-20	S-4 (2')	99	87
880-28711-21	S-4 (3')	86	84
880-28711-21 MS	S-4 (3')	114	107
880-28711-21 MSD	S-4 (3')	109	109
880-28711-22	S-4 (4')	104	76
880-28711-23	S-5 (0-1')	81	88
880-28711-23 MS	S-5 (0-1')	95	96
880-28711-23 MSD	S-5 (0-1')	100	102
880-28711-24	S-5 (1.5')	88	97
880-28711-25	S-5 (2')	95	92
880-28711-26	S-5 (3')	91	87
LCS 880-54006/1-A	Lab Control Sample	94	100
LCS 880-54007/1-A	Lab Control Sample	89	114
LCS 880-54053/1-A	Lab Control Sample	100	110
LCSD 880-54006/2-A	Lab Control Sample Dup	108	115
LCSD 880-54007/2-A	Lab Control Sample Dup	111	98
LCSD 880-54053/2-A	Lab Control Sample Dup	97	95
MB 880-53995/5-A	Method Blank	66 S1-	99
MB 880-54006/5-A	Method Blank	91	101
MB 880-54007/5-A	Method Blank	64 S1-	79
MB 880-54053/5-A	Method Blank	97	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28709-A-1-F MS	Matrix Spike	107	117
880-28709-A-1-G MSD	Matrix Spike Duplicate	107	118
880-28710-A-10-D MS	Matrix Spike	115	83
880-28710-A-10-E MSD	Matrix Spike Duplicate	117	85
880-28711-1	S-1 (0-1')	114	89
880-28711-2	S-1 (1.5')	111	87
880-28711-3	S-1 (2')	114	89
880-28711-4	S-1 (3')	113	88
880-28711-5	S-1 (4')	111	136 S1+
880-28711-6	S-1 (5')	107	130
880-28711-7	S-2 (0-1')	104	124
880-28711-8	S-2 (1.5')	126	146 S1+
880-28711-9	S-2 (2')	106	132 S1+
880-28711-10	S-2 (3')	107	131 S1+
880-28711-11	S-2 (4')	106	127
880-28711-12	S-2 (5')	112	133 S1+
880-28711-13	S-3 (0-1')	107	129
880-28711-14	S-3 (1.5')	122	144 S1+
880-28711-15	S-3 (2')	109	116
880-28711-16	S-3 (3')	110	115
880-28711-16 MS	S-3 (3')	110	103
880-28711-16 MSD	S-3 (3')	110	101
880-28711-17	S-3 (4')	105	112
880-28711-18	S-4 (0-1')	103	109
880-28711-19	S-4 (1.5')	104	112
880-28711-20	S-4 (2')	103	111
880-28711-21	S-4 (3')	102	108
880-28711-22	S-4 (4')	111	114
880-28711-23	S-5 (0-1')	113	119
880-28711-24	S-5 (1.5')	102	110
880-28711-25	S-5 (2')	108	113
880-28711-26	S-5 (3')	105	115
LCS 880-54018/2-A	Lab Control Sample	84	83
LCS 880-54020/2-A	Lab Control Sample	95	71
LCS 880-54021/2-A	Lab Control Sample	92	109
LCSD 880-54018/3-A	Lab Control Sample Dup	86	84
LCSD 880-54020/3-A	Lab Control Sample Dup	98	72
LCSD 880-54021/3-A	Lab Control Sample Dup	105	125
MB 880-54018/1-A	Method Blank	190 S1+	206 S1+
MB 880-54020/1-A	Method Blank	200 S1+	161 S1+
MB 880-54021/1-A	Method Blank	199 S1+	250 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
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 880-54006/5-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 14:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 14:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 14:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/23/23 15:43	05/24/23 14:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:43	05/24/23 14:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/23/23 15:43	05/24/23 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	05/23/23 15:43	05/24/23 14:13	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/23/23 15:43	05/24/23 14:13	1

Lab Sample ID: LCS 880-54006/1-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1299		mg/Kg		130	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1163		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2071		mg/Kg		104	70 - 130
o-Xylene	0.100	0.09343		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-54006/2-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1442	*+	mg/Kg		144	70 - 130	10	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: LCSD 880-54006/2-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54006

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1153		mg/Kg		115	70 - 130	0	35
Ethylbenzene	0.100	0.1316	*+	mg/Kg		132	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2343		mg/Kg		117	70 - 130	12	35
o-Xylene	0.100	0.09975		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-28711-1 MS

Matrix: Solid

Analysis Batch: 54052

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

Prep Type: Total/NA

Prep Batch: 54006

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U *+ F1	0.0998	0.1323	F1	mg/Kg		133	70 - 130
Toluene	<0.00201	U F1	0.0998	0.1313	F1	mg/Kg		132	70 - 130
Ethylbenzene	<0.00201	U *+ F1	0.0998	0.1418	F1	mg/Kg		142	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2641	F1	mg/Kg		132	70 - 130
o-Xylene	<0.00201	U	0.0998	0.1142		mg/Kg		114	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-28711-1 MSD

Matrix: Solid

Analysis Batch: 54052

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

Prep Type: Total/NA

Prep Batch: 54006

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U *+ F1	0.100	0.1295		mg/Kg		129	70 - 130	2	35
Toluene	<0.00201	U F1	0.100	0.1095		mg/Kg		109	70 - 130	18	35
Ethylbenzene	<0.00201	U *+ F1	0.100	0.1276		mg/Kg		127	70 - 130	11	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.2239		mg/Kg		112	70 - 130	16	35
o-Xylene	<0.00201	U	0.100	0.09524		mg/Kg		95	70 - 130	18	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		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

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

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
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
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: 880-28711-21 MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: S-4 (3')

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-21 MS

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: S-4 (3')

Prep Type: Total/NA

Prep Batch: 54007

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

Lab Sample ID: 880-28711-21 MSD

Matrix: Solid

Analysis Batch: 54019

Client Sample ID: S-4 (3')

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

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

Lab Sample ID: MB 880-54053/5-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/23 10:18	05/25/23 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/23 10:18	05/25/23 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/23 10:18	05/25/23 01:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/23 10:18	05/25/23 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/23 10:18	05/25/23 01:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/23 10:18	05/25/23 01:49	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	97		70 - 130	05/24/23 10:18	05/25/23 01:49	1			
1,4-Difluorobenzene (Surr)	99		70 - 130	05/24/23 10:18	05/25/23 01:49	1			

Lab Sample ID: LCS 880-54053/1-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1274		mg/Kg		127	70 - 130
Toluene	0.100	0.1121		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1104		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	0.100	0.09644		mg/Kg		96	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-54053/1-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54053

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

Lab Sample ID: LCSD 880-54053/2-A

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54053

	LCS	LCS							%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.1216		mg/Kg		122	70 - 130	5	35		
Toluene	0.100	0.1015		mg/Kg		101	70 - 130	10	35		
Ethylbenzene	0.100	0.1024		mg/Kg		102	70 - 130	8	35		
m-Xylene & p-Xylene	0.200	0.1990		mg/Kg		99	70 - 130	6	35		
o-Xylene	0.100	0.09109		mg/Kg		91	70 - 130	6	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-28711-23 MS

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 54053

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201	U F1	0.0998	0.1341	F1	mg/Kg		134	70 - 130		
Toluene	<0.00201	U	0.0998	0.1078		mg/Kg		108	70 - 130		
Ethylbenzene	<0.00201	U	0.0998	0.09504		mg/Kg		95	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1847		mg/Kg		93	70 - 130		
o-Xylene	<0.00201	U	0.0998	0.08835		mg/Kg		89	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-28711-23 MSD

Matrix: Solid

Analysis Batch: 54052

Client Sample ID: S-5 (0-1')

Prep Type: Total/NA

Prep Batch: 54053

	Sample	Sample	Spike	MSD	MSD				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.100	0.1355	F1	mg/Kg		135	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.1113		mg/Kg		111	70 - 130	3	35
Ethylbenzene	<0.00201	U	0.100	0.1053		mg/Kg		105	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2067		mg/Kg		103	70 - 130	11	35
o-Xylene	<0.00201	U	0.100	0.09699		mg/Kg		97	70 - 130	9	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

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

Lab Sample ID: 880-28711-16 MS

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: S-3 (3')

Prep Type: Total/NA

Prep Batch: 54018

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-16 MS

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: S-3 (3')

Prep Type: Total/NA

Prep Batch: 54018

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 880-28711-16 MSD

Matrix: Solid

Analysis Batch: 54024

Client Sample ID: S-3 (3')

Prep Type: Total/NA

Prep Batch: 54018

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	101		70 - 130

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: Federal 21 Battery

Job ID: 880-28711-1
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-A-10-D MS

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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 %Recovery	MS Qualifier	Limits								
1-Chlorooctane	115		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-28710-A-10-E MSD

Matrix: Solid

Analysis Batch: 54026

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	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
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	85		70 - 130								

Lab Sample ID: MB 880-54021/1-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54021

Analyte	MB Result	MB 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 08:18	05/24/23 09:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 09:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 09:09	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: MB 880-54021/1-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54021

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	199	S1+	70 - 130	05/24/23 08:18	05/24/23 09:09	1				
o-Terphenyl	250	S1+	70 - 130	05/24/23 08:18	05/24/23 09:09	1				

Lab Sample ID: LCS 880-54021/2-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54021

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	840.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	879.4		mg/Kg		88	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: LCSD 880-54021/3-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54021

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			999	966.6		mg/Kg		97	70 - 130	14	20	
Diesel Range Organics (Over C10-C28)			999	978.9		mg/Kg		98	70 - 130	11	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	105		70 - 130									
o-Terphenyl	125		70 - 130									

Lab Sample ID: 880-28709-A-1-F MS

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 54021

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	879.7		mg/Kg		85	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	998	913.8		mg/Kg		92	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	107		70 - 130									
o-Terphenyl	117		70 - 130									

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-A-1-G MSD

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 54021

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	860.9		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	918.0		mg/Kg		92	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	118		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54010/1-A

Matrix: Solid

Analysis Batch: 54074

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 12:13	1

Lab Sample ID: LCS 880-54010/2-A

Matrix: Solid

Analysis Batch: 54074

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.4		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 880-54010/3-A

Matrix: Solid

Analysis Batch: 54074

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	236.3		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-28711-1 MS

Matrix: Solid

Analysis Batch: 54074

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	82.3		251	320.3		mg/Kg		95	90 - 110

Lab Sample ID: 880-28711-1 MSD

Matrix: Solid

Analysis Batch: 54074

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.3		251	322.1		mg/Kg		96	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-28711-12 MS

Matrix: Solid

Analysis Batch: 54074

Client Sample ID: S-2 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	295		250	528.6		mg/Kg		93	90 - 110		

Lab Sample ID: 880-28711-12 MSD

Matrix: Solid

Analysis Batch: 54074

Client Sample ID: S-2 (5)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	295		250	522.2		mg/Kg		91	90 - 110	1	20

Lab Sample ID: MB 880-54009/1-A

Matrix: Solid

Analysis Batch: 54096

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 16:47	1

Lab Sample ID: LCS 880-54009/2-A

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	252.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-54009/3-A

Matrix: Solid

Analysis Batch: 54096

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	251.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-28711-21 MS

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: S-4 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	553	F1	249	727.4	F1	mg/Kg		70	90 - 110		

Lab Sample ID: 880-28711-21 MSD

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: S-4 (3')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	553	F1	249	734.8	F1	mg/Kg		73	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
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: 54006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	5035	
880-28711-2	S-1 (1.5')	Total/NA	Solid	5035	
880-28711-3	S-1 (2')	Total/NA	Solid	5035	
880-28711-4	S-1 (3')	Total/NA	Solid	5035	
880-28711-5	S-1 (4')	Total/NA	Solid	5035	
880-28711-6	S-1 (5')	Total/NA	Solid	5035	
880-28711-7	S-2 (0-1')	Total/NA	Solid	5035	
880-28711-8	S-2 (1.5')	Total/NA	Solid	5035	
880-28711-9	S-2 (2')	Total/NA	Solid	5035	
880-28711-10	S-2 (3')	Total/NA	Solid	5035	
880-28711-11	S-2 (4')	Total/NA	Solid	5035	
880-28711-12	S-2 (5')	Total/NA	Solid	5035	
880-28711-13	S-3 (0-1')	Total/NA	Solid	5035	
880-28711-14	S-3 (1.5')	Total/NA	Solid	5035	
880-28711-15	S-3 (2')	Total/NA	Solid	5035	
880-28711-16	S-3 (3')	Total/NA	Solid	5035	
880-28711-17	S-3 (4')	Total/NA	Solid	5035	
880-28711-18	S-4 (0-1')	Total/NA	Solid	5035	
880-28711-19	S-4 (1.5')	Total/NA	Solid	5035	
880-28711-20	S-4 (2')	Total/NA	Solid	5035	
MB 880-54006/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54006/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54006/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28711-1 MS	S-1 (0-1')	Total/NA	Solid	5035	
880-28711-1 MSD	S-1 (0-1')	Total/NA	Solid	5035	

Prep Batch: 54007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-21	S-4 (3')	Total/NA	Solid	5035	
880-28711-22	S-4 (4')	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	
880-28711-21 MS	S-4 (3')	Total/NA	Solid	5035	
880-28711-21 MSD	S-4 (3')	Total/NA	Solid	5035	

Analysis Batch: 54019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-21	S-4 (3')	Total/NA	Solid	8021B	54007
880-28711-22	S-4 (4')	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
880-28711-21 MS	S-4 (3')	Total/NA	Solid	8021B	54007
880-28711-21 MSD	S-4 (3')	Total/NA	Solid	8021B	54007

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 54052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	8021B	54006
880-28711-2	S-1 (1.5')	Total/NA	Solid	8021B	54006
880-28711-3	S-1 (2')	Total/NA	Solid	8021B	54006
880-28711-4	S-1 (3')	Total/NA	Solid	8021B	54006
880-28711-5	S-1 (4')	Total/NA	Solid	8021B	54006
880-28711-6	S-1 (5')	Total/NA	Solid	8021B	54006
880-28711-7	S-2 (0-1')	Total/NA	Solid	8021B	54006
880-28711-8	S-2 (1.5')	Total/NA	Solid	8021B	54006
880-28711-9	S-2 (2')	Total/NA	Solid	8021B	54006
880-28711-10	S-2 (3')	Total/NA	Solid	8021B	54006
880-28711-11	S-2 (4')	Total/NA	Solid	8021B	54006
880-28711-12	S-2 (5')	Total/NA	Solid	8021B	54006
880-28711-13	S-3 (0-1')	Total/NA	Solid	8021B	54006
880-28711-14	S-3 (1.5')	Total/NA	Solid	8021B	54006
880-28711-15	S-3 (2')	Total/NA	Solid	8021B	54006
880-28711-16	S-3 (3')	Total/NA	Solid	8021B	54006
880-28711-17	S-3 (4')	Total/NA	Solid	8021B	54006
880-28711-18	S-4 (0-1')	Total/NA	Solid	8021B	54006
880-28711-19	S-4 (1.5')	Total/NA	Solid	8021B	54006
880-28711-20	S-4 (2')	Total/NA	Solid	8021B	54006
880-28711-23	S-5 (0-1')	Total/NA	Solid	8021B	54053
880-28711-24	S-5 (1.5')	Total/NA	Solid	8021B	54053
880-28711-25	S-5 (2')	Total/NA	Solid	8021B	54053
880-28711-26	S-5 (3')	Total/NA	Solid	8021B	54053
MB 880-54006/5-A	Method Blank	Total/NA	Solid	8021B	54006
MB 880-54053/5-A	Method Blank	Total/NA	Solid	8021B	54053
LCS 880-54006/1-A	Lab Control Sample	Total/NA	Solid	8021B	54006
LCS 880-54053/1-A	Lab Control Sample	Total/NA	Solid	8021B	54053
LCSD 880-54006/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54006
LCSD 880-54053/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	54053
880-28711-1 MS	S-1 (0-1')	Total/NA	Solid	8021B	54006
880-28711-1 MSD	S-1 (0-1')	Total/NA	Solid	8021B	54006
880-28711-23 MS	S-5 (0-1')	Total/NA	Solid	8021B	54053
880-28711-23 MSD	S-5 (0-1')	Total/NA	Solid	8021B	54053

Prep Batch: 54053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-23	S-5 (0-1')	Total/NA	Solid	5035	
880-28711-24	S-5 (1.5')	Total/NA	Solid	5035	
880-28711-25	S-5 (2')	Total/NA	Solid	5035	
880-28711-26	S-5 (3')	Total/NA	Solid	5035	
MB 880-54053/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-54053/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-54053/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28711-23 MS	S-5 (0-1')	Total/NA	Solid	5035	
880-28711-23 MSD	S-5 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 54108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-28711-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

GC VOA (Continued)

Analysis Batch: 54108 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-3	S-1 (2')	Total/NA	Solid	Total BTEX	
880-28711-4	S-1 (3')	Total/NA	Solid	Total BTEX	
880-28711-5	S-1 (4')	Total/NA	Solid	Total BTEX	
880-28711-6	S-1 (5')	Total/NA	Solid	Total BTEX	
880-28711-7	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-28711-8	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-28711-9	S-2 (2')	Total/NA	Solid	Total BTEX	
880-28711-10	S-2 (3')	Total/NA	Solid	Total BTEX	
880-28711-11	S-2 (4')	Total/NA	Solid	Total BTEX	
880-28711-12	S-2 (5')	Total/NA	Solid	Total BTEX	
880-28711-13	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-28711-14	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-28711-15	S-3 (2')	Total/NA	Solid	Total BTEX	
880-28711-16	S-3 (3')	Total/NA	Solid	Total BTEX	
880-28711-17	S-3 (4')	Total/NA	Solid	Total BTEX	
880-28711-18	S-4 (0-1')	Total/NA	Solid	Total BTEX	
880-28711-19	S-4 (1.5')	Total/NA	Solid	Total BTEX	
880-28711-20	S-4 (2')	Total/NA	Solid	Total BTEX	
880-28711-21	S-4 (3')	Total/NA	Solid	Total BTEX	
880-28711-22	S-4 (4')	Total/NA	Solid	Total BTEX	
880-28711-23	S-5 (0-1')	Total/NA	Solid	Total BTEX	
880-28711-24	S-5 (1.5')	Total/NA	Solid	Total BTEX	
880-28711-25	S-5 (2')	Total/NA	Solid	Total BTEX	
880-28711-26	S-5 (3')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 54018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-15	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-28711-16	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-28711-17	S-3 (4')	Total/NA	Solid	8015NM Prep	
880-28711-18	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-28711-19	S-4 (1.5')	Total/NA	Solid	8015NM Prep	
880-28711-20	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-28711-21	S-4 (3')	Total/NA	Solid	8015NM Prep	
880-28711-22	S-4 (4')	Total/NA	Solid	8015NM Prep	
880-28711-23	S-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-28711-24	S-5 (1.5')	Total/NA	Solid	8015NM Prep	
880-28711-25	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-28711-26	S-5 (3')	Total/NA	Solid	8015NM Prep	
MB 880-54018/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
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	
880-28711-16 MS	S-3 (3')	Total/NA	Solid	8015NM Prep	
880-28711-16 MSD	S-3 (3')	Total/NA	Solid	8015NM Prep	

Prep Batch: 54020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-28711-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 54020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-3	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-28711-4	S-1 (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-A-10-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28710-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 54021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-5	S-1 (4')	Total/NA	Solid	8015NM Prep	
880-28711-6	S-1 (5')	Total/NA	Solid	8015NM Prep	
880-28711-7	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-28711-8	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-28711-9	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-28711-10	S-2 (3')	Total/NA	Solid	8015NM Prep	
880-28711-11	S-2 (4')	Total/NA	Solid	8015NM Prep	
880-28711-12	S-2 (5')	Total/NA	Solid	8015NM Prep	
880-28711-13	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-28711-14	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-54021/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54021/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28709-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-28709-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-15	S-3 (2')	Total/NA	Solid	8015B NM	54018
880-28711-16	S-3 (3')	Total/NA	Solid	8015B NM	54018
880-28711-17	S-3 (4')	Total/NA	Solid	8015B NM	54018
880-28711-18	S-4 (0-1')	Total/NA	Solid	8015B NM	54018
880-28711-19	S-4 (1.5')	Total/NA	Solid	8015B NM	54018
880-28711-20	S-4 (2')	Total/NA	Solid	8015B NM	54018
880-28711-21	S-4 (3')	Total/NA	Solid	8015B NM	54018
880-28711-22	S-4 (4')	Total/NA	Solid	8015B NM	54018
880-28711-23	S-5 (0-1')	Total/NA	Solid	8015B NM	54018
880-28711-24	S-5 (1.5')	Total/NA	Solid	8015B NM	54018
880-28711-25	S-5 (2')	Total/NA	Solid	8015B NM	54018
880-28711-26	S-5 (3')	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
880-28711-16 MS	S-3 (3')	Total/NA	Solid	8015B NM	54018
880-28711-16 MSD	S-3 (3')	Total/NA	Solid	8015B NM	54018

Analysis Batch: 54026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	8015B NM	54020
880-28711-2	S-1 (1.5')	Total/NA	Solid	8015B NM	54020
880-28711-3	S-1 (2')	Total/NA	Solid	8015B NM	54020

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 54026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-4	S-1 (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-A-10-D MS	Matrix Spike	Total/NA	Solid	8015B NM	54020
880-28710-A-10-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54020

Analysis Batch: 54028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-5	S-1 (4')	Total/NA	Solid	8015B NM	54021
880-28711-6	S-1 (5')	Total/NA	Solid	8015B NM	54021
880-28711-7	S-2 (0-1')	Total/NA	Solid	8015B NM	54021
880-28711-8	S-2 (1.5')	Total/NA	Solid	8015B NM	54021
880-28711-9	S-2 (2')	Total/NA	Solid	8015B NM	54021
880-28711-10	S-2 (3')	Total/NA	Solid	8015B NM	54021
880-28711-11	S-2 (4')	Total/NA	Solid	8015B NM	54021
880-28711-12	S-2 (5')	Total/NA	Solid	8015B NM	54021
880-28711-13	S-3 (0-1')	Total/NA	Solid	8015B NM	54021
880-28711-14	S-3 (1.5')	Total/NA	Solid	8015B NM	54021
MB 880-54021/1-A	Method Blank	Total/NA	Solid	8015B NM	54021
LCS 880-54021/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54021
LCSD 880-54021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54021
880-28709-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	54021
880-28709-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	54021

Analysis Batch: 54155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-28711-2	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-28711-3	S-1 (2')	Total/NA	Solid	8015 NM	
880-28711-4	S-1 (3')	Total/NA	Solid	8015 NM	
880-28711-5	S-1 (4')	Total/NA	Solid	8015 NM	
880-28711-6	S-1 (5')	Total/NA	Solid	8015 NM	
880-28711-7	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-28711-8	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-28711-9	S-2 (2')	Total/NA	Solid	8015 NM	
880-28711-10	S-2 (3')	Total/NA	Solid	8015 NM	
880-28711-11	S-2 (4')	Total/NA	Solid	8015 NM	
880-28711-12	S-2 (5')	Total/NA	Solid	8015 NM	
880-28711-13	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-28711-14	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-28711-15	S-3 (2')	Total/NA	Solid	8015 NM	
880-28711-16	S-3 (3')	Total/NA	Solid	8015 NM	
880-28711-17	S-3 (4')	Total/NA	Solid	8015 NM	
880-28711-18	S-4 (0-1')	Total/NA	Solid	8015 NM	
880-28711-19	S-4 (1.5')	Total/NA	Solid	8015 NM	
880-28711-20	S-4 (2')	Total/NA	Solid	8015 NM	
880-28711-21	S-4 (3')	Total/NA	Solid	8015 NM	
880-28711-22	S-4 (4')	Total/NA	Solid	8015 NM	
880-28711-23	S-5 (0-1')	Total/NA	Solid	8015 NM	
880-28711-24	S-5 (1.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 54155 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-25	S-5 (2')	Total/NA	Solid	8015 NM	
880-28711-26	S-5 (3')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 54009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-21	S-4 (3')	Soluble	Solid	DI Leach	
880-28711-22	S-4 (4')	Soluble	Solid	DI Leach	
880-28711-23	S-5 (0-1')	Soluble	Solid	DI Leach	
880-28711-24	S-5 (1.5')	Soluble	Solid	DI Leach	
880-28711-25	S-5 (2')	Soluble	Solid	DI Leach	
880-28711-26	S-5 (3')	Soluble	Solid	DI Leach	
MB 880-54009/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54009/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54009/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28711-21 MS	S-4 (3')	Soluble	Solid	DI Leach	
880-28711-21 MSD	S-4 (3')	Soluble	Solid	DI Leach	

Leach Batch: 54010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-28711-2	S-1 (1.5')	Soluble	Solid	DI Leach	
880-28711-3	S-1 (2')	Soluble	Solid	DI Leach	
880-28711-4	S-1 (3')	Soluble	Solid	DI Leach	
880-28711-5	S-1 (4')	Soluble	Solid	DI Leach	
880-28711-6	S-1 (5')	Soluble	Solid	DI Leach	
880-28711-7	S-2 (0-1')	Soluble	Solid	DI Leach	
880-28711-8	S-2 (1.5')	Soluble	Solid	DI Leach	
880-28711-9	S-2 (2')	Soluble	Solid	DI Leach	
880-28711-10	S-2 (3')	Soluble	Solid	DI Leach	
880-28711-11	S-2 (4')	Soluble	Solid	DI Leach	
880-28711-12	S-2 (5)	Soluble	Solid	DI Leach	
880-28711-13	S-3 (0-1')	Soluble	Solid	DI Leach	
880-28711-14	S-3 (1.5')	Soluble	Solid	DI Leach	
880-28711-15	S-3 (2')	Soluble	Solid	DI Leach	
880-28711-16	S-3 (3')	Soluble	Solid	DI Leach	
880-28711-17	S-3 (4')	Soluble	Solid	DI Leach	
880-28711-18	S-4 (0-1')	Soluble	Solid	DI Leach	
880-28711-19	S-4 (1.5')	Soluble	Solid	DI Leach	
880-28711-20	S-4 (2')	Soluble	Solid	DI Leach	
MB 880-54010/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54010/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54010/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28711-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-28711-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	
880-28711-12 MS	S-2 (5)	Soluble	Solid	DI Leach	
880-28711-12 MSD	S-2 (5)	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

HPLC/IC

Analysis Batch: 54074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-1	S-1 (0-1')	Soluble	Solid	300.0	54010
880-28711-2	S-1 (1.5')	Soluble	Solid	300.0	54010
880-28711-3	S-1 (2')	Soluble	Solid	300.0	54010
880-28711-4	S-1 (3')	Soluble	Solid	300.0	54010
880-28711-5	S-1 (4')	Soluble	Solid	300.0	54010
880-28711-6	S-1 (5')	Soluble	Solid	300.0	54010
880-28711-7	S-2 (0-1')	Soluble	Solid	300.0	54010
880-28711-8	S-2 (1.5')	Soluble	Solid	300.0	54010
880-28711-9	S-2 (2')	Soluble	Solid	300.0	54010
880-28711-10	S-2 (3')	Soluble	Solid	300.0	54010
880-28711-11	S-2 (4')	Soluble	Solid	300.0	54010
880-28711-12	S-2 (5')	Soluble	Solid	300.0	54010
880-28711-13	S-3 (0-1')	Soluble	Solid	300.0	54010
880-28711-14	S-3 (1.5')	Soluble	Solid	300.0	54010
880-28711-15	S-3 (2')	Soluble	Solid	300.0	54010
880-28711-16	S-3 (3')	Soluble	Solid	300.0	54010
880-28711-17	S-3 (4')	Soluble	Solid	300.0	54010
880-28711-18	S-4 (0-1')	Soluble	Solid	300.0	54010
880-28711-19	S-4 (1.5')	Soluble	Solid	300.0	54010
880-28711-20	S-4 (2')	Soluble	Solid	300.0	54010
MB 880-54010/1-A	Method Blank	Soluble	Solid	300.0	54010
LCS 880-54010/2-A	Lab Control Sample	Soluble	Solid	300.0	54010
LCSD 880-54010/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54010
880-28711-1 MS	S-1 (0-1')	Soluble	Solid	300.0	54010
880-28711-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	54010
880-28711-12 MS	S-2 (5')	Soluble	Solid	300.0	54010
880-28711-12 MSD	S-2 (5')	Soluble	Solid	300.0	54010

Analysis Batch: 54096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28711-21	S-4 (3')	Soluble	Solid	300.0	54009
880-28711-22	S-4 (4')	Soluble	Solid	300.0	54009
880-28711-23	S-5 (0-1')	Soluble	Solid	300.0	54009
880-28711-24	S-5 (1.5')	Soluble	Solid	300.0	54009
880-28711-25	S-5 (2')	Soluble	Solid	300.0	54009
880-28711-26	S-5 (3')	Soluble	Solid	300.0	54009
MB 880-54009/1-A	Method Blank	Soluble	Solid	300.0	54009
LCS 880-54009/2-A	Lab Control Sample	Soluble	Solid	300.0	54009
LCSD 880-54009/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54009
880-28711-21 MS	S-4 (3')	Soluble	Solid	300.0	54009
880-28711-21 MSD	S-4 (3')	Soluble	Solid	300.0	54009

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (0-1')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 14:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/24/23 15:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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		1	1 uL	1 uL	54026	05/24/23 19:07	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 12:29	CH	EET MID

Client Sample ID: S-1 (1.5')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 15:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/24/23 15:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 19:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 12:45	CH	EET MID

Client Sample ID: S-1 (2')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-3
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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 15:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/24/23 15:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 19:50	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 12:50	CH	EET MID

Client Sample ID: S-1 (3')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/24/23 16:44	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-1 (3')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-4
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			54155	05/25/23 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.010 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 20:11	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 12:56	CH	EET MID

Client Sample ID: S-1 (4')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-5
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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/24/23 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 16:56	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:01	CH	EET MID

Client Sample ID: S-1 (5')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-6
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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 16:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:17	CH	EET MID

Client Sample ID: S-2 (0-1')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 17:39	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28711-7

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
Soluble	Leach	DI Leach			5.03 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:17	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-28711-8

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			5.02 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:22	CH	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-28711-9

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			5.03 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 18:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:28	CH	EET MID

Client Sample ID: S-2 (3')

Lab Sample ID: 880-28711-10

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			5.01 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 18:45	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:33	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-2 (4')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 19:07	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:39	CH	EET MID

Client Sample ID: S-2 (5)

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 19:28	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 13:44	CH	EET MID

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

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-13

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			5.02 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 19:50	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:00	CH	EET MID

Client Sample ID: S-3 (1.5')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 20:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			54155	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 20:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:22	CH	EET MID

Client Sample ID: S-3 (2')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-15

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			5.01 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 13:16	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:27	CH	EET MID

Client Sample ID: S-3 (3')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-16

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			4.99 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 21:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 12:12	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:32	CH	EET MID

Client Sample ID: S-3 (4')

Date Collected: 05/22/23 00:00

Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 13:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-3 (4')

Lab Sample ID: 880-28711-17

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
Soluble	Leach	DI Leach			4.96 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:38	CH	EET MID

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

Lab Sample ID: 880-28711-18

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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 21:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 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 13:59	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:43	CH	EET MID

Client Sample ID: S-4 (1.5')

Lab Sample ID: 880-28711-19

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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 22:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 14:20	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:48	CH	EET MID

Client Sample ID: S-4 (2')

Lab Sample ID: 880-28711-20

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	54006	05/23/23 15:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/24/23 22:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 14:42	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54010	05/23/23 16:08	KS	EET MID
Soluble	Analysis	300.0		1			54074	05/24/23 14:54	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-4 (3')

Lab Sample ID: 880-28711-21

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		1	5 mL	5 mL	54019	05/24/23 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 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 15:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:19	CH	EET MID

Client Sample ID: S-4 (4')

Lab Sample ID: 880-28711-22

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	05/24/23 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 15:25	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:35	CH	EET MID

Client Sample ID: S-5 (0-1')

Lab Sample ID: 880-28711-23

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	54053	05/24/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/25/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	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 15:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:41	CH	EET MID

Client Sample ID: S-5 (1.5')

Lab Sample ID: 880-28711-24

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	54053	05/24/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/25/23 02:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
SDG: Lea County, NM

Client Sample ID: S-5 (1.5')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-24
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			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 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 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:57	CH	EET MID

Client Sample ID: S-5 (2')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-25
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	54053	05/24/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/25/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 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 16:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 19:03	CH	EET MID

Client Sample ID: S-5 (3')
Date Collected: 05/22/23 00:00
Date Received: 05/23/23 15:07

Lab Sample ID: 880-28711-26
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	54053	05/24/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54052	05/25/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54108	05/25/23 09:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			54155	05/25/23 10:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 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 17:17	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 19:08	CH	EET MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28711-1
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: Federal 21 Batttery

Job ID: 880-28711-1
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: Federal 21 Batttery

Job ID: 880-28711-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28711-1	S-1 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-2	S-1 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-3	S-1 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-4	S-1 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-5	S-1 (4')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-6	S-1 (5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-7	S-2 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-8	S-2 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-9	S-2 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-10	S-2 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-11	S-2 (4')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-12	S-2 (5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-13	S-3 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-14	S-3 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-15	S-3 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-16	S-3 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-17	S-3 (4')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-18	S-4 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-19	S-4 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-20	S-4 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-21	S-4 (3')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-22	S-4 (4')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-23	S-5 (0-1')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-24	S-5 (1.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-25	S-5 (2')	Solid	05/22/23 00:00	05/23/23 15:07
880-28711-26	S-5 (3')	Solid	05/22/23 00:00	05/23/23 15:07

Work Order No:

Page 1 of 3

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

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

Project Name		Federal 21 Battery		Turn Around				ANALYSIS REQUEST										Preservative Codes									
Project Number		2032		☐ Routine ☒ Rush		72 Hrs												None NO									
Project Location		Lea County, NM		Due Date		72-hour TAT												Cool Cool									
Sampler's Name		KB																HCL HC									
PO #																		H ₂ SO ₄ H ₂									
SAMPLE RECEIPT				Temp Blank		Yes ☒ No ☐		Wet Ice		Yes ☒ No ☐												H ₃ PO ₄ HP					
Received Intact:				Yes ☒ No ☐		Thermometer ID																NaHSO ₄ NABIS					
Cooler Custody Seals.				Yes ☒ No ☐		Correction Factor																Na ₂ S ₂ O ₃ NaSO ₃					
Sample Custody Seals.				Yes ☒ No ☐		Temperature Reading																Zn Acetate+NaOH Zn					
Total Containers						Corrected Temperature																NaOH+Ascorbic Acid SAPC					
Sample Identification				Date		Time		Soil		Water		Grab/ Comp		# of Cont												Sample Comments	
S-1 (0-1')				5/22/2023				X				Grab/		1												UO ₂	
S-1 (1-5')				5/22/2023				X				Grab/		1													
S-1 (2')				5/22/2023				X				Grab/		1													
S-1 (3')				5/22/2023				X				Grab/		1													
S-1 (4')				5/22/2023				X				Grab/		1													
S-1 (5')				5/22/2023				X				Grab/		1													
S-2 (0-1')				5/22/2023				X				Grab/		1													
S-2 (1-5')				5/22/2023				X				Grab/		1													
S-2 (2')				5/22/2023				X				Grab/		1													
S-2 (3')				5/22/2023				X				Grab/		1													



880-28711 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
	5-23-23		
	1507		

Work Order No: 28711

Page 2 of 3

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

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

ANALYSIS REQUEST										Preservative Codes		
Project Name	Federal 21 Battery	Turn Around	Pres. Code									
Project Number	2032	☐ Routine ☒ Rush										
Project Location	Lea County, NM	Due Date	72Hrs									
Sampler's Name	KB	72-hour TAT										
PO #												
SAMPLE RECEIPT												
Received Intact:												
Cooler Custody Seals												
Sample Custody Seals												
Total Containers												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont						Sample Comments
S-2 (4')	5/22/2023		X		Grab/	1	X	X	X	X		
S-2 (5')	5/22/2023		X		Grab/	1	X	X	X	X		
S-3 (0-1')	5/22/2023		X		Grab/	1	X	X	X	X		
S-3 (1 5')	5/22/2023		X		Grab/	1	X	X	X	X		
S-3 (2')	5/22/2023		X		Grab/	1	X	X	X	X		
S-3 (3')	5/22/2023		X		Grab/	1	X	X	X	X		
S-3 (4')	5/22/2023		X		Grab/	1	X	X	X	X		
S-4 (0-1')	5/22/2023		X		Grab/	1	X	X	X	X		
S-4 (1 5')	5/22/2023		X		Grab/	1	X	X	X	X		
S-4 (2')	5/22/2023		X		Grab/	1	X	X	X	X		

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

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

Work Order No: 28711

Page 3 of 3

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

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

ANALYSIS REQUEST										Preservative Codes		
Project Name	Federal 21 Battery	Turn Around	Pres. Code							None NO	DI Water H ₂ O	
Project Number	2032	☐ Routine ☒ Rush								Cool Cool	MeOH Me	
Project Location	Lea County, NM	Due Date	72Hrs							HCL HC	HNO ₃ HN	
Sampler's Name	KB	72-hour TAT								H ₂ SO ₄ H ₂	NaOH Na	
PO #										H ₃ PO ₄ HP		
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet Ice	Yes No						NaHSO ₄ NABIS	
Received Intact:	Yes No	Thermometer ID									Na ₂ S ₂ O ₃ NaSO ₃	
Cooler Custody Seals	Yes No N/A	Correction Factor									Zn Acetate+NaOH Zn	
Sample Custody Seals	Yes No N/A	Temperature Reading									NaOH+Ascorbic Acid SAPC	
Total Containers		Corrected Temperature										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B		TPH 8015M (GRO + DRO + MRO)	Chloride 300	Sample Comments	
S-4 (3')	5/22/2023		X		Grab/	1	X	X	X	X		
S-4 (4')	5/22/2023		X		Grab/	1	X	X	X	X		
S-5 (0-1')	5/22/2023		X		Grab/	1	X	X	X	X		
S-5 (1-5')	5/22/2023		X		Grab/	1	X	X	X	X		
S-5 (2')	5/22/2023		X		Grab/	1	X	X	X	X		
S-5 (3')	5/22/2023		X		Grab/	1	X	X	X	X		
Loc: 880 28711												

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>Mike Carmona</i>	5-23-23	<i>Conner Moehring</i>	5-23-23
	1504		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28711-1

SDG Number: Lea County, NM

Login Number: 28711

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 12:08:39 PM

JOB DESCRIPTION

Federal 21 Battery
SDG NUMBER Lea County, NM

JOB NUMBER

880-28709-1

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 12:08:39 PM

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

Client: Carmona Resources
Project/Site: Federal 21 Battery

Laboratory Job ID: 880-28709-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*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: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

Job ID: 880-28709-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-28709-1

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') (880-28709-1), H-2 (0-0.5') (880-28709-2), H-3 (0-0.5') (880-28709-3), H-4 (0-0.5') (880-28709-4), H-5 (0-0.5') (880-28709-5), H-6 (0-0.5') (880-28709-6), H-7 (0-0.5') (880-28709-7), H-8 (0-0.5') (880-28709-8), H-9 (0-0.5') (880-28709-9) and H-10 (0-0.5') (880-28709-10).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: H-3 (0-0.5') (880-28709-3). 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 880-53995 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 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.

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 880-54021 and analytical batch 880-54028 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: H-1 (0-0.5') (880-28709-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-28709-2), H-3 (0-0.5') (880-28709-3), H-4 (0-0.5') (880-28709-4), H-6 (0-0.5') (880-28709-6), H-7 (0-0.5') (880-28709-7), H-8 (0-0.5') (880-28709-8) and H-9 (0-0.5') (880-28709-9). 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: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-1

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	<0.00201	U	0.00201		mg/Kg		05/23/23 15:40	05/24/23 14:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/23/23 15:40	05/24/23 14:55	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		05/23/23 15:40	05/24/23 14:55	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		05/23/23 15:40	05/24/23 14:55	1
o-Xylene	<0.00201	U *1	0.00201		mg/Kg		05/23/23 15:40	05/24/23 14:55	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		05/23/23 15:40	05/24/23 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/23/23 15:40	05/24/23 14:55	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/23/23 15:40	05/24/23 14:55	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			05/24/23 15:13	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 11:53	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 08:18	05/24/23 11:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 11:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 11:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	05/24/23 08:18	05/24/23 11:56	1
o-Terphenyl	131	S1+	70 - 130	05/24/23 08:18	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	62.1		4.95		mg/Kg			05/24/23 17:03	1

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

Lab Sample ID: 880-28709-2

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	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 15:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 15:16	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 15:16	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 15:16	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 15:16	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/23/23 15:40	05/24/23 15:16	1
1,4-Difluorobenzene (Surr)	75		70 - 130	05/23/23 15:40	05/24/23 15:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-2

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	<0.00398	U	0.00398		mg/Kg			05/24/23 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5090		249		mg/Kg			05/25/23 11:53	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	334		249		mg/Kg		05/24/23 08:18	05/24/23 13:24	5
Diesel Range Organics (Over C10-C28)	3660		249		mg/Kg		05/24/23 08:18	05/24/23 13:24	5
Oil Range Organics (Over C28-C36)	1100		249		mg/Kg		05/24/23 08:18	05/24/23 13:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/24/23 08:18	05/24/23 13:24	5
o-Terphenyl	134	S1+	70 - 130				05/24/23 08:18	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	70.1		4.99		mg/Kg			05/24/23 17:19	1

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

Lab Sample ID: 880-28709-3

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	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				05/23/23 15:40	05/24/23 16:39	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130				05/23/23 15:40	05/24/23 16:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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	64.4		49.9		mg/Kg			05/25/23 11:53	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 08:18	05/24/23 14:08	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-3

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
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 14:08	1
Oil Range Organics (Over C28-C36)	64.4		49.9		mg/Kg		05/24/23 08:18	05/24/23 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/24/23 08:18	05/24/23 14:08	1
o-Terphenyl	134	S1+	70 - 130				05/24/23 08:18	05/24/23 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.2		4.97		mg/Kg			05/24/23 17:25	1

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

Lab Sample ID: 880-28709-4

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	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
Xylenes, Total	<0.00399	U *1	0.00399		mg/Kg		05/23/23 15:40	05/24/23 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				05/23/23 15:40	05/24/23 16:59	1
1,4-Difluorobenzene (Surr)	74		70 - 130				05/23/23 15:40	05/24/23 16:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			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 11:53	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 08:18	05/24/23 14:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 14:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/24/23 08:18	05/24/23 14:29	1
o-Terphenyl	137	S1+	70 - 130				05/24/23 08:18	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	45.6		5.00		mg/Kg			05/24/23 17:30	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-5

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	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 17:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 17:20	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 17:20	1
m-Xylene & p-Xylene	<0.00401	U *1	0.00401		mg/Kg		05/23/23 15:40	05/24/23 17:20	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 17:20	1
Xylenes, Total	<0.00401	U *1	0.00401		mg/Kg		05/23/23 15:40	05/24/23 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	05/23/23 15:40	05/24/23 17:20	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/23/23 15:40	05/24/23 17:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			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	186		49.9		mg/Kg			05/25/23 11:53	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 08:18	05/24/23 13:46	1
Diesel Range Organics (Over C10-C28)	126		49.9		mg/Kg		05/24/23 08:18	05/24/23 13:46	1
Oil Range Organics (Over C28-C36)	59.6		49.9		mg/Kg		05/24/23 08:18	05/24/23 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/24/23 08:18	05/24/23 13:46	1
o-Terphenyl	113		70 - 130	05/24/23 08:18	05/24/23 13:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.00		mg/Kg			05/24/23 17:35	1

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

Lab Sample ID: 880-28709-6

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	<0.00198	U	0.00198		mg/Kg		05/23/23 15:40	05/24/23 17:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/23 15:40	05/24/23 17:40	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		05/23/23 15:40	05/24/23 17:40	1
m-Xylene & p-Xylene	<0.00396	U *1	0.00396		mg/Kg		05/23/23 15:40	05/24/23 17:40	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		05/23/23 15:40	05/24/23 17:40	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		05/23/23 15:40	05/24/23 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	05/23/23 15:40	05/24/23 17:40	1
1,4-Difluorobenzene (Surr)	73		70 - 130	05/23/23 15:40	05/24/23 17:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-6

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	<0.00396	U	0.00396		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	391		49.9		mg/Kg			05/25/23 11:53	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 08:18	05/24/23 13:01	1
Diesel Range Organics (Over C10-C28)	243		49.9		mg/Kg		05/24/23 08:18	05/24/23 13:01	1
Oil Range Organics (Over C28-C36)	148		49.9		mg/Kg		05/24/23 08:18	05/24/23 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130				05/24/23 08:18	05/24/23 13:01	1
o-Terphenyl	149	S1+	70 - 130				05/24/23 08:18	05/24/23 13:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.9		4.96		mg/Kg			05/24/23 17:52	1

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

Lab Sample ID: 880-28709-7

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 15:40	05/24/23 18:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:01	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:01	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 18:01	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:01	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				05/23/23 15:40	05/24/23 18:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/23/23 15:40	05/24/23 18:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			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 11:53	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 08:18	05/24/23 14:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-7

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
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 14:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				05/24/23 08:18	05/24/23 14:51	1
o-Terphenyl	140	S1+	70 - 130				05/24/23 08:18	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	72.5		4.97		mg/Kg			05/24/23 17:57	1

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

Lab Sample ID: 880-28709-8

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	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		05/23/23 15:40	05/24/23 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				05/23/23 15:40	05/24/23 18:21	1
1,4-Difluorobenzene (Surr)	89		70 - 130				05/23/23 15:40	05/24/23 18:21	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	<50.0	U	50.0		mg/Kg			05/25/23 11:53	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 08:18	05/24/23 15:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 15:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/23 08:18	05/24/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/24/23 08:18	05/24/23 15:12	1
o-Terphenyl	134	S1+	70 - 130				05/24/23 08:18	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	69.9		4.98		mg/Kg			05/24/23 18:03	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-9

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	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/23/23 15:40	05/24/23 18:42	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 18:42	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		05/23/23 15:40	05/24/23 18:42	1
o-Xylene	<0.00200	U *1	0.00200		mg/Kg		05/23/23 15:40	05/24/23 18:42	1
Xylenes, Total	<0.00399	U *1	0.00399		mg/Kg		05/23/23 15:40	05/24/23 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/23/23 15:40	05/24/23 18:42	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/23/23 15:40	05/24/23 18:42	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 11:53	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 08:18	05/24/23 15:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 15:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	05/24/23 08:18	05/24/23 15:34	1
o-Terphenyl	145	S1+	70 - 130	05/24/23 08:18	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	59.5		5.00		mg/Kg			05/24/23 18:08	1

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

Lab Sample ID: 880-28709-10

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	<0.00198	U	0.00198		mg/Kg		05/23/23 15:40	05/24/23 19:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/23/23 15:40	05/24/23 19:02	1
Ethylbenzene	<0.00198	U *1	0.00198		mg/Kg		05/23/23 15:40	05/24/23 19:02	1
m-Xylene & p-Xylene	<0.00397	U *1	0.00397		mg/Kg		05/23/23 15:40	05/24/23 19:02	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		05/23/23 15:40	05/24/23 19:02	1
Xylenes, Total	<0.00397	U *1	0.00397		mg/Kg		05/23/23 15:40	05/24/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/23/23 15:40	05/24/23 19:02	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/23/23 15:40	05/24/23 19:02	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-10

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	<0.00397	U	0.00397		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 11:53	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 08:18	05/24/23 15:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 15:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/24/23 08:18	05/24/23 15:56	1
o-Terphenyl	128		70 - 130				05/24/23 08:18	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	84.6		5.05		mg/Kg			05/24/23 18:13	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
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 (70-130)	DFBZ1 (70-130)
880-28699-A-1-A MS	Matrix Spike	112	107
880-28699-A-1-B MSD	Matrix Spike Duplicate	110	93
880-28709-1	H-1 (0-0.5')	101	77
880-28709-2	H-2 (0-0.5')	87	75
880-28709-3	H-3 (0-0.5')	99	63 S1-
880-28709-4	H-4 (0-0.5')	92	74
880-28709-5	H-5 (0-0.5')	97	88
880-28709-6	H-6 (0-0.5')	96	73
880-28709-7	H-7 (0-0.5')	91	92
880-28709-8	H-8 (0-0.5')	87	89
880-28709-9	H-9 (0-0.5')	101	82
880-28709-10	H-10 (0-0.5')	88	91
LCS 880-53995/1-A	Lab Control Sample	114	103
LCSD 880-53995/2-A	Lab Control Sample Dup	121	103
MB 880-53995/5-A	Method Blank	66 S1-	99
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-28709-1	H-1 (0-0.5')	110	131 S1+
880-28709-1 MS	H-1 (0-0.5')	107	117
880-28709-1 MSD	H-1 (0-0.5')	107	118
880-28709-2	H-2 (0-0.5')	116	134 S1+
880-28709-3	H-3 (0-0.5')	113	134 S1+
880-28709-4	H-4 (0-0.5')	110	137 S1+
880-28709-5	H-5 (0-0.5')	92	113
880-28709-6	H-6 (0-0.5')	129	149 S1+
880-28709-7	H-7 (0-0.5')	114	140 S1+
880-28709-8	H-8 (0-0.5')	110	134 S1+
880-28709-9	H-9 (0-0.5')	127	145 S1+
880-28709-10	H-10 (0-0.5')	104	128
LCS 880-54021/2-A	Lab Control Sample	92	109
LCSD 880-54021/3-A	Lab Control Sample Dup	105	125
MB 880-54021/1-A	Method Blank	199 S1+	250 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
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: Federal 21 Battery

Job ID: 880-28709-1
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 F1 *1 F2	0.0998	0.06764	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1 *1 F2	0.200	0.1278	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00200	U F1 *1 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 F1 *1 F2	0.100	0.1036	F2	mg/Kg		103	70 - 130	42	35
m-Xylene & p-Xylene	<0.00401	U F1 *1 F2	0.200	0.2142	F2	mg/Kg		107	70 - 130	51	35
o-Xylene	<0.00200	U F1 *1 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								

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

Lab Sample ID: MB 880-54021/1-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 54021

Analyte	MB Result	MB 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 08:18	05/24/23 09:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 09:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/23 08:18	05/24/23 09:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	199	S1+	70 - 130				05/24/23 08:18	05/24/23 09:09	1
o-Terphenyl	250	S1+	70 - 130				05/24/23 08:18	05/24/23 09:09	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-54021/2-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 54021

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	840.5		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	879.4		mg/Kg		88	70 - 130		
									</		

Lab Sample ID: LCSD 880-54021/3-A

Matrix: Solid

Analysis Batch: 54028

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 54021

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			999	966.6		mg/Kg		97	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			999	978.9		mg/Kg		98	70 - 130	11	20

Lab Sample ID: 880-28709-1 MS

Matrix: Solid

Analysis Batch: 54028

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

Prep Type: Total/NA

Prep Batch: 54021

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	879.7		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	998	913.8		mg/Kg		92	70 - 130		

Lab Sample ID: 880-28709-1 MSD

Matrix: Solid

Analysis Batch: 54028

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

Prep Type: Total/NA

Prep Batch: 54021

	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	<50.0	U	998	860.9		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	918.0		mg/Kg		92	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								

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QC Sample Results

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-1 MSD

Matrix: Solid

Analysis Batch: 54028

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

Prep Type: Total/NA

Prep Batch: 54021

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	118		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54009/1-A

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00		mg/Kg			05/24/23 16:47	1	

Lab Sample ID: LCS 880-54009/2-A

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike	LCS	LCS				%Rec		
		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride		250	252.7		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-54009/3-A

Matrix: Solid

Analysis Batch: 54096

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike	LCSD	LCSD				%Rec		RPD
		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	251.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-28709-1 MS

Matrix: Solid

Analysis Batch: 54096

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

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS			%Rec		
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	62.1		248	318.6		mg/Kg		104	90 - 110	

Lab Sample ID: 880-28709-1 MSD

Matrix: Solid

Analysis Batch: 54096

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

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD			%Rec		RPD
	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Chloride	62.1		248	318.5		mg/Kg		104	90 - 110	0 20

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

GC VOA

Prep Batch: 53995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	5035	
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	5035	
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	5035	
880-28709-10	H-10 (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	

Analysis Batch: 54019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	8021B	53995
880-28709-10	H-10 (0-0.5')	Total/NA	Solid	8021B	53995
MB 880-53995/5-A	Method Blank	Total/NA	Solid	8021B	53995
LCS 880-53995/1-A	Lab Control Sample	Total/NA	Solid	8021B	53995
LCSD 880-53995/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53995
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

Analysis Batch: 54104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28709-10	H-10 (0-0.5')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 54021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-10	H-10 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-54021/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-54021/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-54021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28709-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28709-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 54028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-10	H-10 (0-0.5')	Total/NA	Solid	8015B NM	54021
MB 880-54021/1-A	Method Blank	Total/NA	Solid	8015B NM	54021
LCS 880-54021/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	54021
LCSD 880-54021/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	54021
880-28709-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54021
880-28709-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	54021

Analysis Batch: 54169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-8	H-8 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-9	H-9 (0-0.5')	Total/NA	Solid	8015 NM	
880-28709-10	H-10 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 54009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-8	H-8 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-9	H-9 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-10	H-10 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-54009/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54009/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54009/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28709-1 MS	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-28709-1 MSD	H-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 54096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28709-1	H-1 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-2	H-2 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-3	H-3 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-4	H-4 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-5	H-5 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-6	H-6 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-7	H-7 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-8	H-8 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-9	H-9 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-10	H-10 (0-0.5')	Soluble	Solid	300.0	54009
MB 880-54009/1-A	Method Blank	Soluble	Solid	300.0	54009
LCS 880-54009/2-A	Lab Control Sample	Soluble	Solid	300.0	54009
LCSD 880-54009/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54009
880-28709-1 MS	H-1 (0-0.5')	Soluble	Solid	300.0	54009
880-28709-1 MSD	H-1 (0-0.5')	Soluble	Solid	300.0	54009

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-1

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 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 14:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/24/23 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 11:56	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:03	CH	EET MID

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

Lab Sample ID: 880-28709-2

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 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 15:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/24/23 15:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	54028	05/24/23 13:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:19	CH	EET MID

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

Lab Sample ID: 880-28709-3

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			5.03 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 16:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 14:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:25	CH	EET MID

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

Lab Sample ID: 880-28709-4

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	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 16:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-4

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	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 14:29	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:30	CH	EET MID

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

Lab Sample ID: 880-28709-5

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			4.99 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 17:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 13:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:35	CH	EET MID

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

Lab Sample ID: 880-28709-6

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			5.05 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 17:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 13:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:52	CH	EET MID

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

Lab Sample ID: 880-28709-7

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			5.02 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 18:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 14:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28709-7

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
Soluble	Leach	DI Leach			5.03 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 17:57	CH	EET MID

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

Lab Sample ID: 880-28709-8

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			5.03 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 18:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 15:12	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:03	CH	EET MID

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

Lab Sample ID: 880-28709-9

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			5.01 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 18:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 15:34	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:08	CH	EET MID

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

Lab Sample ID: 880-28709-10

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			5.04 g	5 mL	53995	05/23/23 15:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	54019	05/24/23 19:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			54104	05/25/23 09:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			54169	05/25/23 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	54021	05/24/23 08:18	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	54028	05/24/23 15:56	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	54009	05/23/23 16:07	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	54096	05/24/23 18:13	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Federal 21 Battery

Job ID: 880-28709-1
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: Federal 21 Battery

Job ID: 880-28709-1
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: Federal 21 Battery

Job ID: 880-28709-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28709-1	H-1 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-2	H-2 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-3	H-3 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-4	H-4 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-5	H-5 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-6	H-6 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-7	H-7 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-8	H-8 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-9	H-9 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07
880-28709-10	H-10 (0-0.5')	Solid	05/22/23 00:00	05/23/23 15:07

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

Work Order No: 28709

5/25/2023

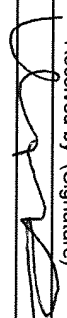
Project Manager	Conner Moehring	Bill to (if different)	Todd Wells
Company Name	Carmona Resources	Company Name	EOG Resources
Address	310 W Wall St Ste 500	Address	5509 Champions Dr
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Tx 79706
Phone	432-813-6823	Email	Todd_Wells@eogresources.com

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

Project Name	Federal 21 Battery	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number	2032	☐ Routine	☒ Rush													None NO	DI Water H ₂ O
Project Location	Lea County, NM	Due Date	72Hrs													Cool Cool	MeOH Me
Sampler's Name	KB	72-hour TAT														HCL HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No											H ₃ PO ₄ HP	
Received Intact	Yes No	Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments	
H-1 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X	BTX 8021B						402		
H-2 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X	TPH 8015M (GRO + DRO + MRO)								
H-3 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X	Chloride 300								
H-4 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-5 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-6 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-7 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-8 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-9 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									
H-10 (0-0 5')	5/22/2023		X		Grab/	1	X	X	X									

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

Relinquished by (Signature)		Date/Time	Received by (Signature)		Date/Time
		5-23-23			
		1507			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28709-1

SDG Number: Lea County, NM

Login Number: 28709

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 28, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: FEDERAL 21 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 13:05.

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, flowing style.

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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1') (H233948-01)

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	07/27/2023	ND	2.01	100	2.00	2.04	
Toluene*	<0.050	0.050	07/27/2023	ND	1.90	95.0	2.00	10.1	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.97	98.4	2.00	3.66	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.84	97.4	6.00	4.37	
Total BTX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	07/28/2023	ND	416	104	400	7.41		

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	07/28/2023	ND	194	96.9	200	2.56	
DRO >C10-C28*	162	10.0	07/28/2023	ND	197	98.6	200	5.89	
EXT DRO >C28-C36	134	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (5') (H233948-02)

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	07/27/2023	ND	2.01	100	2.00	2.04		
Toluene*	<0.050	0.050	07/27/2023	ND	1.90	95.0	2.00	10.1		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.97	98.4	2.00	3.66		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.84	97.4	6.00	4.37		
Total BTEX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	07/28/2023	ND	416	104	400	7.41		

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	07/28/2023	ND	194	96.9	200	2.56	
DRO >C10-C28*	228	10.0	07/28/2023	ND	197	98.6	200	5.89	
EXT DRO >C28-C36	180	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (5') (H233948-03)

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	07/27/2023	ND	2.01	100	2.00	2.04	
Toluene*	<0.050	0.050	07/27/2023	ND	1.90	95.0	2.00	10.1	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.97	98.4	2.00	3.66	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.84	97.4	6.00	4.37	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	07/28/2023	ND	416	104	400	7.41		

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	07/28/2023	ND	194	96.9	200	2.56	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	197	98.6	200	5.89	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (2') (H233948-04)

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	07/27/2023	ND	2.01	100	2.00	2.04	
Toluene*	<0.050	0.050	07/27/2023	ND	1.90	95.0	2.00	10.1	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.97	98.4	2.00	3.66	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.84	97.4	6.00	4.37	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/28/2023	ND	416	104	400	7.41	

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	07/28/2023	ND	194	96.9	200	2.56	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	197	98.6	200	5.89	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 116 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1') (H233948-05)

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	07/27/2023	ND	2.01	100	2.00	2.04	
Toluene*	<0.050	0.050	07/27/2023	ND	1.90	95.0	2.00	10.1	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	1.97	98.4	2.00	3.66	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	5.84	97.4	6.00	4.37	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/28/2023	ND	416	104	400	7.41		

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	07/28/2023	ND	194	96.9	200	2.56		
DRO >C10-C28*	350	10.0	07/28/2023	ND	197	98.6	200	5.89		
EXT DRO >C28-C36	263	10.0	07/28/2023	ND						

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (1') (H233948-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	0.930		
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99		
Total BTEX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	07/28/2023	ND	416	104	400	7.41		

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	07/28/2023	ND	194	96.9	200	2.56	
DRO >C10-C28*	212	10.0	07/28/2023	ND	197	98.6	200	5.89	
EXT DRO >C28-C36	167	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 162 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (1') (H233948-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEx	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	07/28/2023	ND	416	104	400	3.77		

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (1') (H233948-08)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/28/2023	ND	416	104	400	3.77		

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (5') (H233948-09)

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	07/27/2023	ND	1.94	96.8	2.00	0.930		
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99		
Total BTEX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/28/2023	ND	416	104	400	3.77	

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (5') (H233948-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/28/2023	ND	416	104	400	3.77		

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (5') (H233948-11)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	192	16.0	07/28/2023	ND	416	104	400	3.77	

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (5') (H233948-12)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	128	16.0	07/28/2023	ND	416	104	400	3.77	

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	07/27/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/27/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/27/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (2') (H233948-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	0.930		
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99		
Total BTEx	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/28/2023	ND	416	104	400	3.77	

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (2') (H233948-14)

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	07/27/2023	ND	1.94	96.8	2.00	0.930		
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26		
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74		
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99		
Total BTEX	<0.300	0.300	07/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	07/28/2023	ND	416	104	400	3.77		

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (2') (H233948-15)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	07/28/2023	ND	416	104	400	3.77		

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	31.5	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	18.9	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (2') (H233948-16)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	07/28/2023	ND	416	104	400	3.77		

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (2') (H233948-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEX	<0.300	0.300	07/27/2023	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	07/28/2023	ND	416	104	400	3.77		

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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: 07/27/2023
 Reported: 07/28/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/27/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (2') (H233948-18)

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	07/27/2023	ND	1.94	96.8	2.00	0.930	
Toluene*	<0.050	0.050	07/27/2023	ND	2.08	104	2.00	2.26	
Ethylbenzene*	<0.050	0.050	07/27/2023	ND	2.10	105	2.00	2.74	
Total Xylenes*	<0.150	0.150	07/27/2023	ND	6.36	106	6.00	2.99	
Total BTEx	<0.300	0.300	07/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	07/28/2023	ND	416	104	400	3.77		

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	07/28/2023	ND	184	92.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	196	97.9	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
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: 4033948

Page 21 of 22

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

Project Name:		Federal 21 Battery		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:		2032		☐ Routine ☒ Rush																None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Project Location:		Lea County, New Mexico		Due Date:		24 HR TAT															
Sampler's Name:		MM																			
PO #:																					

SAMPLE RECEIPT		Temp Blank:		Yes ☒ No ☐		Thermometer ID:		Wet Ice:		Yes ☒ No ☐		Parameters													
Received In tact:		Yes ☒ No ☐						140				BTX 8021B													
Cooler Custody Seals:		Yes ☒ No ☐				Correction Factor:						TPH 8015M (GRO + DRO + MRO)													
Sample Custody Seals:		Yes ☒ No ☐				Temperature Reading:		4.1°C				Chloride 4500													
Total Containers:		Yes ☒ No ☐				Corrected Temperature:																			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
CS-1 (1)	7/27/2023		X		C	1	X	X	X										
CS-2 (5)	7/27/2023		X		C	1	X	X	X										
CS-3 (5)	7/27/2023		X		C	1	X	X	X										
CS-4 (2)	7/27/2023		X		C	1	X	X	X										
SW-1 (1)	7/27/2023		X		C	1	X	X	X										
SW-2 (1)	7/27/2023		X		C	1	X	X	X										
SW-3 (1)	7/27/2023		X		C	1	X	X	X										
SW-4 (1)	7/27/2023		X		C	1	X	X	X										
SW-5 (5)	7/27/2023		X		C	1	X	X	X										
SW-6 (5)	7/27/2023		X		C	1	X	X	X										
SW-7 (5)	7/27/2023		X		C	1	X	X	X										

Comments: Email to Mike Carmona / Mcarmona@cammonaresources.com, Conner Moehring / Cmoehring@cammonaresources.com and Devin Dominguez / Ddominguez@cammonaresources.com

Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time	
<i>Handwritten Signature</i>		7/27		<i>Handwritten Signature</i>		7/27/23 13:05	

Work Order No: 7105748

Page 2 of 2

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

[illegible]

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

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



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

August 02, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: FEDERAL 21 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 11:35.

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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1.5') (H234043-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	08/02/2023	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	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (5.5') (H234043-02)

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	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	08/02/2023	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	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1') (H234043-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	08/02/2023	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	08/02/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (1') (H234043-04)

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	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	08/02/2023	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	08/02/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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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

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

Celey D. Keene, Lab Director/Quality Manager

16234043

Page 1 of 1

Work Order Comments	
Program: UST/PST ☐ RRP ☐ Brownfields ☐ RC ☐ Superfund ☐	
State of Project:	
Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐	
Deliverables: EDO ☐ ADAPT ☐ Other:	

[illegible]

Relinquished by: (Signature)

Date/Time

Received by: Signature

Date/Time



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

August 02, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: FEDERAL 21 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 11:35.

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, flowing style.

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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 (0-0.5') (H234042-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83	
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	08/02/2023	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	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-0.5') (H234042-02)

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	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	08/02/2023	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	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: 08/01/2023
 Reported: 08/02/2023
 Project Name: FEDERAL 21 BATTERY
 Project Number: 2032
 Project Location: EOG - LEA CO NM

Sampling Date: 07/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 6 (0-0.5') (H234042-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.17	108	2.00	2.83		
Toluene*	<0.050	0.050	08/02/2023	ND	2.11	106	2.00	3.26		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.02	101	2.00	3.11		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.07	101	6.00	3.81		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	08/02/2023	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	08/01/2023	ND	182	91.2	200	6.05	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	196	98.2	200	0.356	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

16234042

Page 1 of 1

Page 6 of 6

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

ANALYSIS REQUEST						Preservative Codes	
						None: NO	DI Water: H ₂ O
						Cool: Cool	MeOH: Me
						HCL: HC	HNO ₃ : HN
						H ₂ SO ₄ : H ₂	NaOH: Na
						H ₃ PO ₄ : HP	
						NaHSO ₄ : NABIS	
						Na ₂ S ₂ O ₅ : NaSO ₃	
						Zn Acetate+NaOH: Zn	
						NaOH+Ascorbic Acid: SAPC	
Sample Comments							

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Date/Time

Received by: (Signature)

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 284582

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 284582
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	I appreciate your reports being so thorough! Good work.	2/16/2024