

SITE INFORMATION

Closure Report
Red Bull 35 Federal 001H (04.13.23)
Incident #: NAPP2311028982
Lea County, New Mexico
Unit K Sec 35 T25S R33E
32.0855°, -103.5455°

Crude Oil Release
Point of Release: Flare fire
Release Date: 04.13.23
Volume Released: 0.3 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Concho Operating, LLC
600 W Illinois Ave
Midland, Texas 79701



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



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May 26, 2023

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

Re: Closure Report
Red Bull 35 Federal 001H (04.13.23)
Concho Operating, LLC
Incident ID NAPP2311028982
Site Location: Unit K, S35, T25S, R33E
(Lat 32.0855°, Long -103.5455°)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Red Bull 35 Federal 001H (04.13.23). The site is located at 32.0855°, -103.5455° within Unit K, S35, T25S, R33E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 13, 2023, due to a heater treater sending fluid to the flare, resulting in a flare fire. It resulted in approximately zero point three (0.3) barrels of crude oil and zero (0) barrels of crude oil recovered. See Figure 3. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source within a 0.50-mile radius of the location. The closest well is located approximately 0.8 miles North of the site in S26, T25S, R33E and was drilled in 1925. The well has a reported depth to groundwater of 110' feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix C.

On April 18, 2023, an air rotatory drill rig was onsite to drill a groundwater determination bore to 106' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 106' below the surface. The coordinates for the groundwater determination bore are 32.0848815°, -103.5447991°. See Appendix D for the log.

3.0 Site Characterization and Groundwater

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: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 20,000 mg/kg.



4.0 Site Assessment Activities

Initial Assessment

On April 20, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 through S-3) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 2.0' bgs inside the release area. See Figure 3 for the sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

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 May 15, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of five (5) floor confirmation samples were collected (CS-1 through CS-5), and eight (8) sidewall samples (SW-1 through SW-8) 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. 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.

The areas of CS-1 and CS-2 showed elevated TPH concentrations of 1,388 and 2,489 and were excavated an additional 0.5' to ensure the proper removal of the contaminated soils.

All final confirmation samples were below the regulatory and reclamation 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 60 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

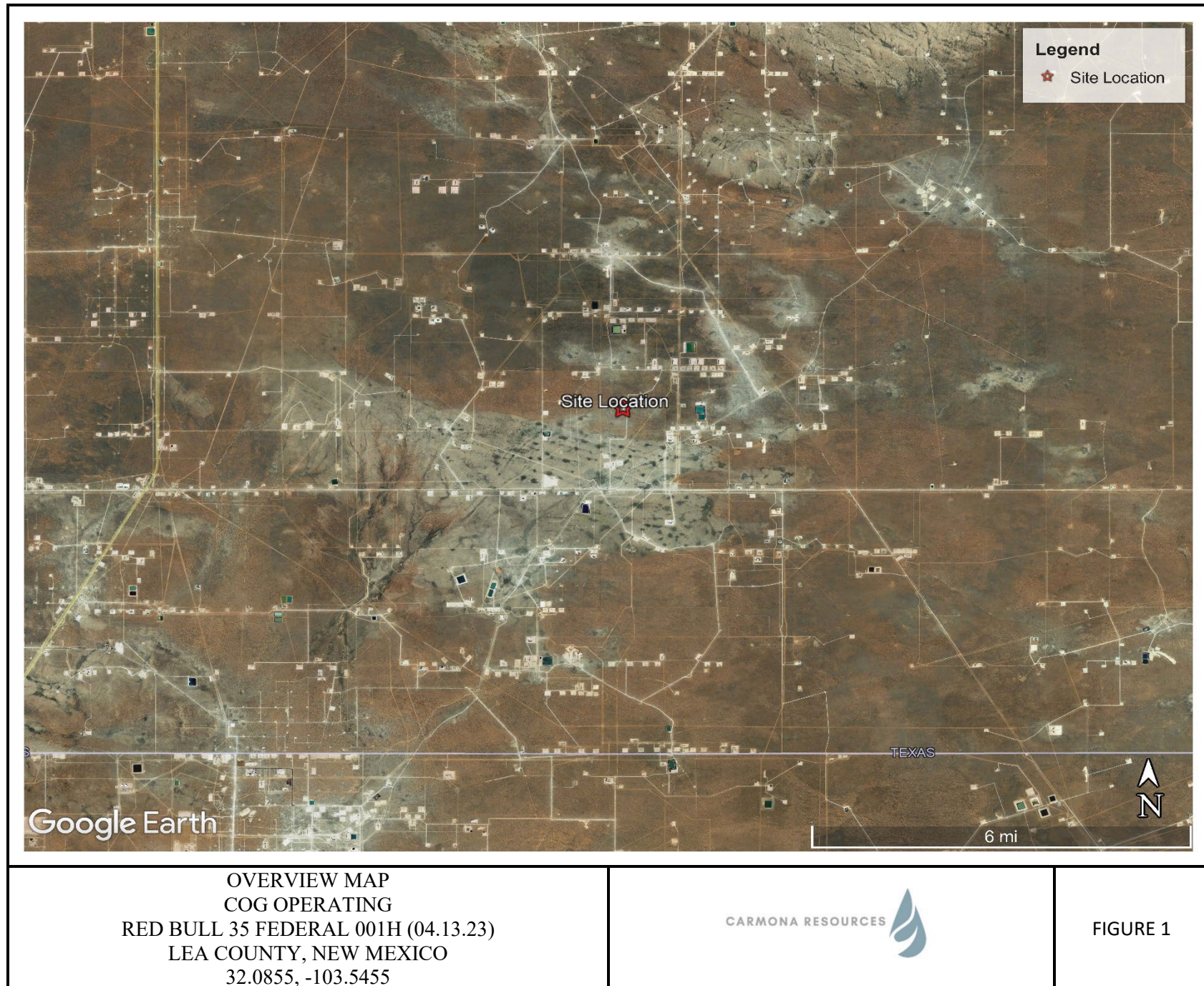
Mike Carmona
Environmental Manager

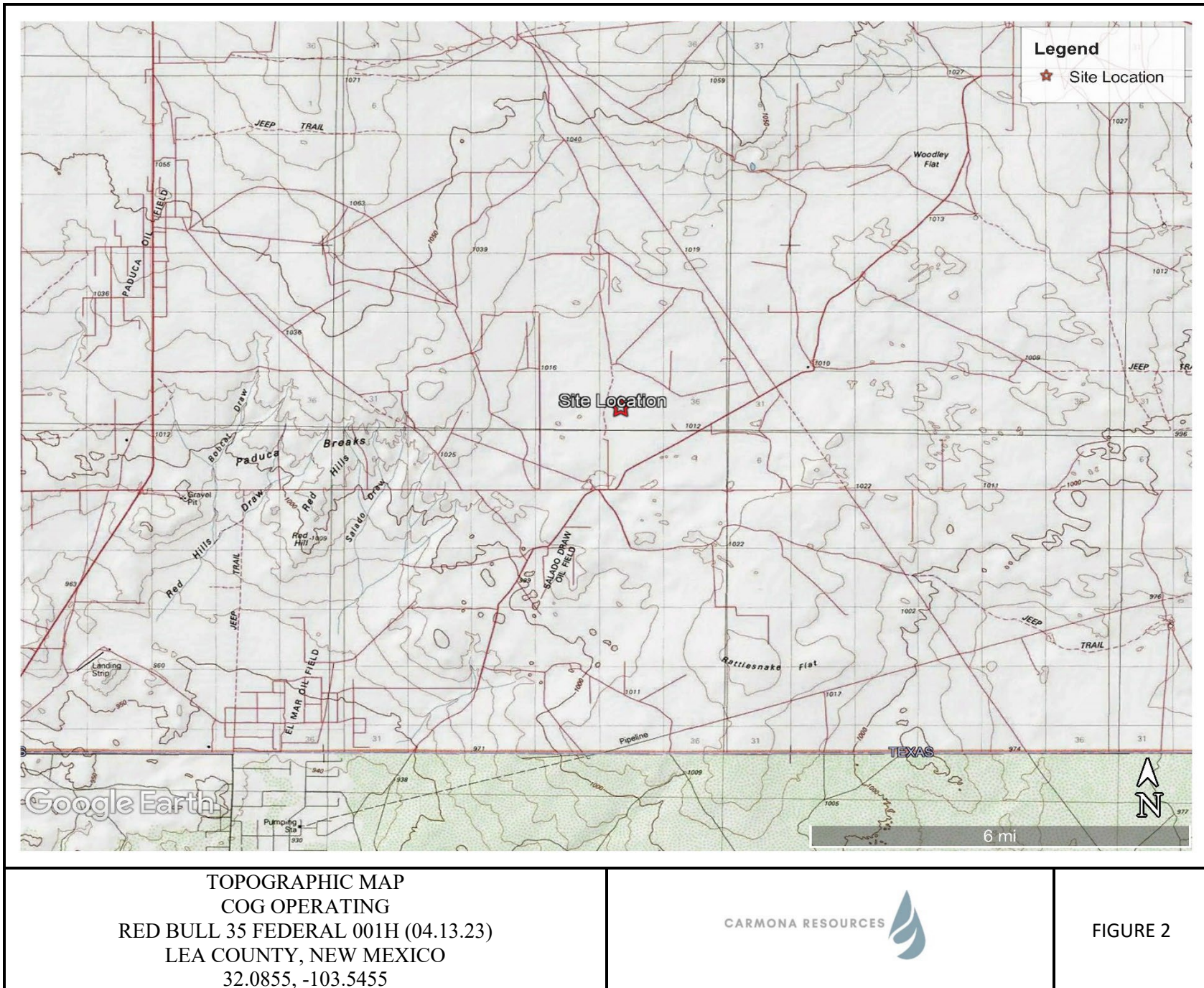
Conner Moehring
Sr. Project Manager

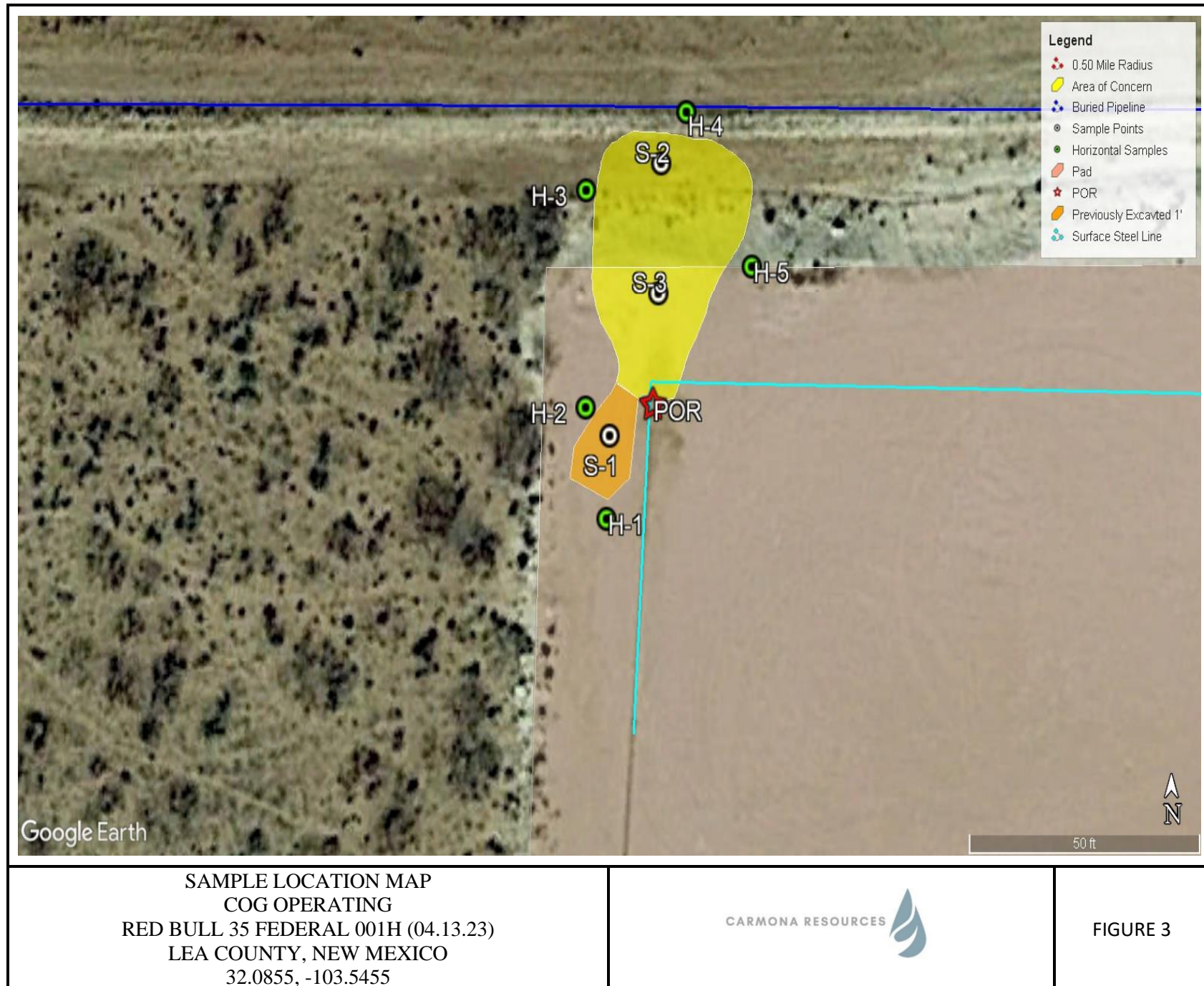
FIGURES

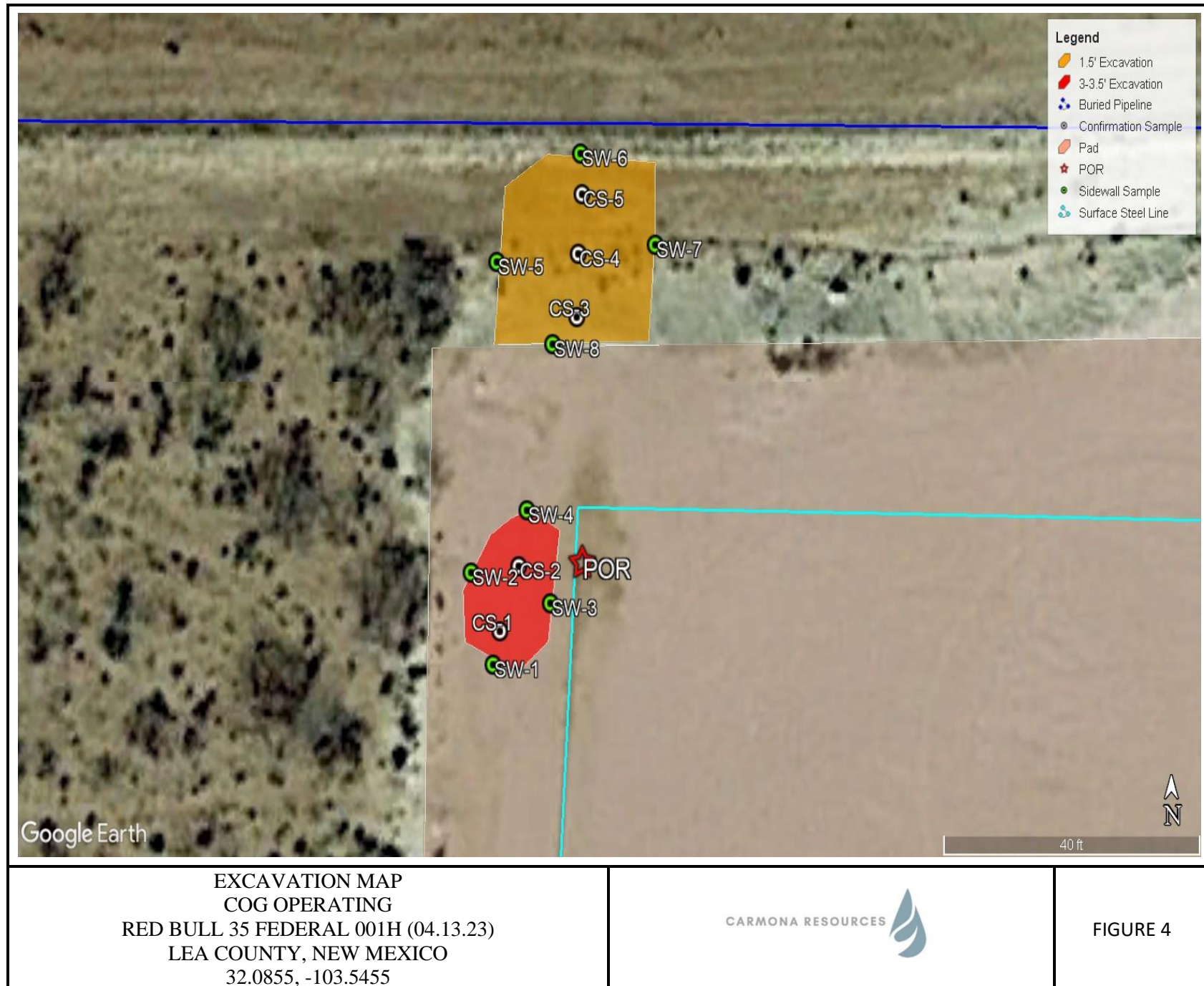
CARMONA RESOURCES











APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating
Red Bull 35 Federal 001H (04.13.23)
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	4/20/2023	0-0.025	<49.8	5,880	817	6,700	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,410
	"	0.5	<250	6,990	970	7,960	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	3,610
	"	1.0	<250	8,990	1,150	10,100	<0.00199	<0.00199	0.00218	<0.00398	<0.00398	1,000
	"	1.5	<250	10,200	1,340	11,500	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	830
	"	2.0	<249	4,670	718	5,390	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	746
S-2	4/20/2023	0-0.025	<49.9	370	117	487	0.00260	0.00505	<0.00199	0.00494	0.0126	39.3
	"	0.5	<49.9	146	<49.9	146	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.9
	"	1.0	<50.0	181	53.0	234	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.2
	"	1.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	70.4
	"	2.0	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	128
S-3	4/20/2023	0-0.025	<50.0	403	123	526	0.00556	0.00543	0.00231	0.00991	0.0232	307
	"	0.5	<50.0	227	50.6	278	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	359
	"	1.0	<49.8	402	82.0	484	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	638
	"	1.5	<49.9	409	76.9	486	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	762
	"	2.0	<49.9	342	65.7	408	<0.00200	<0.00200	<0.00200	0.00499	0.00499	912
H-1	4/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	533
H-2	4/20/2023	0.5	<249	5,240	1,090	6,330	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	961
	5/18/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	37.1
H-3	4/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	739
	5/18/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	47.7
H-4	4/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	46.4
H-5	4/20/2023	0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	90.9
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

 Removed

Table 2
COG Operating
Red Bull 35 Federal 001H (04.13.23)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	5/17/2023	3.0	<10.0	1,120	268	1,388	<0.050	<0.050	<0.050	<0.150	<0.300	240
	5/18/2023	3.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	43.5
CS-2	5/17/2023	3.0	23.8	2,050	415	2,489	<0.050	<0.050	<0.050	0.286	<0.300	400
	5/18/2023	3.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	53.5
CS-3	5/17/2023	1.5	<10.0	28.7	39.9	68.6	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-5	5/17/2023	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<0.150	<0.300	32.0
SW-1	5/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-2	5/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	5/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-4	5/17/2023	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-7	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-8	5/17/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 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

Concho Operating, LLC

Photograph No. 1

Facility: Red Bull 35 Federal 001H
(04.13.23)

County: Lea County, New Mexico

Description:

View South, area of CS-1 through CS-2.



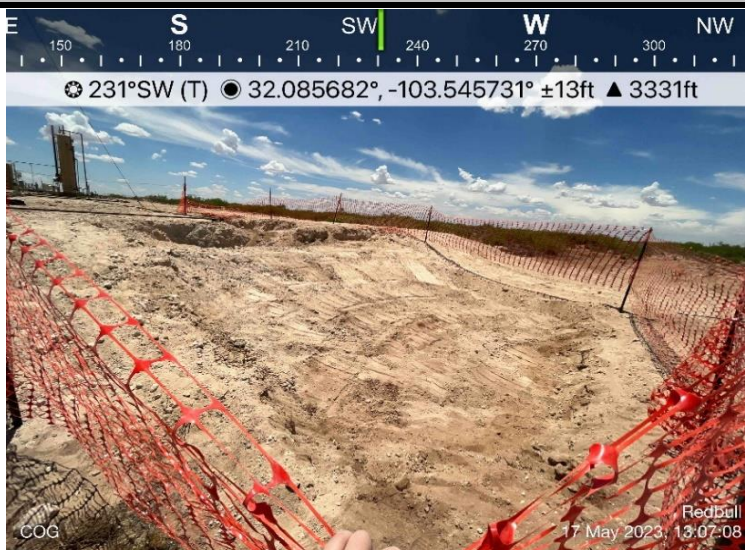
Photograph No. 2

Facility: Red Bull 35 Federal 001H
(04.13.23)

County: Lea County, New Mexico

Description:

View Southwest, area of CS-3 through CS-5.



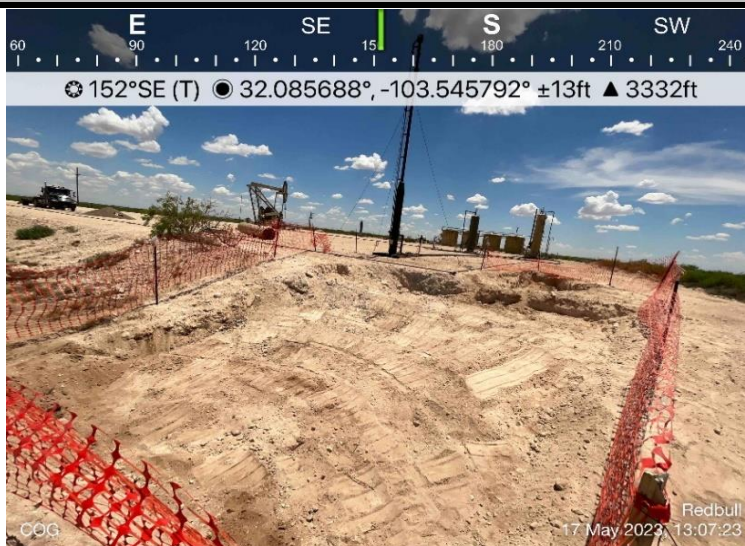
Photograph No. 3

Facility: Red Bull 35 Federal 001H
(04.13.23)

County: Lea County, New Mexico

Description:

View Southeast, area of CS-3 through CS-5.



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	NAPP2311028982
District RP	
Facility ID	fAPP2203856699
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	NAPP2311028982
District RP	
Facility ID	fAPP2203856699
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/20/2022</u>

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

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

CONDITIONS

Action 209272

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 209272
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/20/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 06/05/2023

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: Jacob Laird Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 06/05/2023

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

Closure Approved by: Nelson Velez Date: 08/18/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

From: Mike Carmona
Sent: Monday, May 15, 2023 8:27 AM
To: NMOCD Spill Notifications (OCD.Enviro@emnrd.nm.gov)
Cc: Laird, Jacob; Conner Moehring
Subject: COP - Redbull 35 Federal 1 Flare Fire (04.13.23) Sampling Notification

Good Morning,

This email serves as a 48-hour notification for confirmation sampling on the Conoco - Redbull 35 Federal 1 Flare Fire (04.13.23). Sampling is scheduled to begin as early as 9:00 a.m. (MST) Wednesday, May 17th, weather and soil conditions permitting. Carmona Resources will be on-site to collect the confirmation samples.

COP - Redbull 35 Fed 1 Flare Fire (04.13.23)
Sec 35 T25S R33E Unit K
32.085278, -103.545556
Lea County, New Mexico

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

CARMONA RESOURCES



APPENDIX D

CARMONA RESOURCES



Groundwater

Determination Bore Map

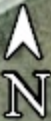
COG Operating
Red Bull 35 Federal 001H (04.13.23)
Lea County, New Mexico

Legend

- 0.50 Mile Radius
- GWDB - 106'
- SITE LOCATION



SITE LOCATION
GWDB - 106'

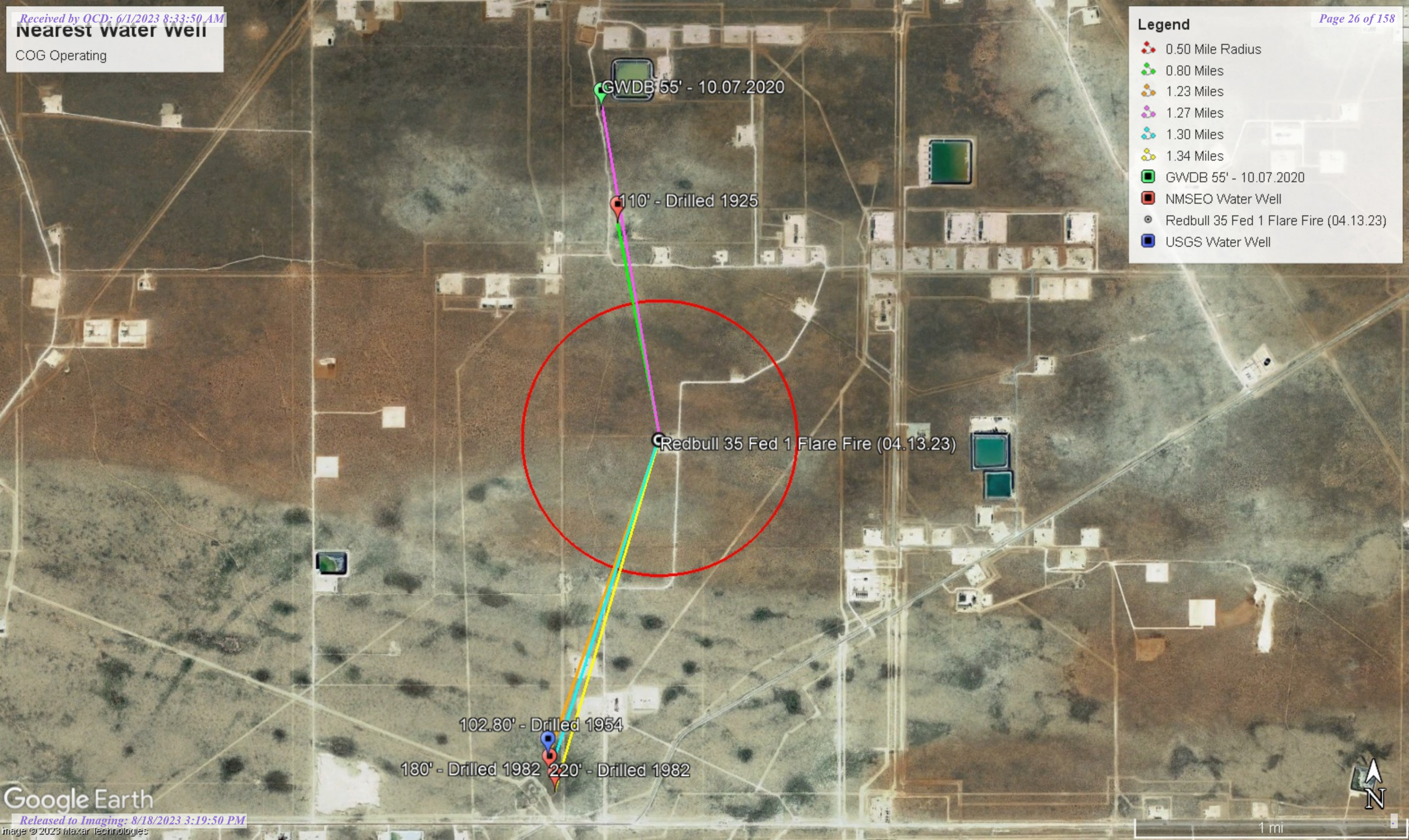


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 0.80 Miles
- 1.23 Miles
- 1.27 Miles
- 1.30 Miles
- 1.34 Miles
- GWDB 55' - 10.07.2020
- NMSEO Water Well
- Redbull 35 Fed 1 Flare Fire (04.13.23)
- USGS Water Well



Low Karst

COG Operating

Legend



Low



Medium



Redbull 35 Fed 1 Flare Fire (04.13.23)

Redbull 35 Fed 1 Flare Fire (04.13.23)



1 mi

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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02313	CUB	LE		2	3	3	26	25S	33E	636971	3552098*	1287	150	110	40
C 04628 POD1	CUB	LE		1	1	2	01	26S	33E	639121	3550219	1982			
C 02285 POD1	CUB	LE		1	4	4	03	26S	33E	636613	3548855	2078	220	220	0
C 02288	CUB	LE		4	4	4	03	26S	33E	636646	3548758	2161	220	180	40
C 02290	CUB	LE		4	4	4	03	26S	33E	636538	3548770	2182	200	160	40
C 02289	CUB	LE		4	4	4	03	26S	33E	636612	3548675*	2251	200	160	40
C 02286	CUB	LE		3	4	4	03	26S	33E	636470	3548714	2257	220	175	45
C 02287	C	LE		3	4	4	03	26S	33E	636427	3548708	2278	220		
C 02291	CUB	LE		1	1	2	06	26S	34E	640825	3550140*	3655	220	160	60
C 03441 POD1	C	LE		4	1	2	06	26S	34E	640971	3550039	3818	250		
C 02294	CUB	LE		4	4	3	11	26S	33E	637465	3547003	3841	200	145	55
C 02292 POD1	CUB	LE		4	1	2	06	26S	34E	640992	3549987	3849	200	140	60
C 02293	CUB	LE		2	2	1	14	26S	33E	637501	3546975	3871	200	135	65
C 03442 POD1	C	LE		4	1	2	06	26S	34E	641056	3550028	3903	251		

Average Depth to Water: **158 feet**

Minimum Depth: **110 feet**

Maximum Depth: **220 feet**

Record Count: 14

UTM NAD83 Radius Search (in meters):

Easting (X): 637237

Northing (Y): 3550838

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.

4/17/23 1:22 PM

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

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

Click to hide News Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320407103331001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320407103331001 26S.33E.03.444110

Lea County, New Mexico

Latitude 32°04'07", Longitude 103°33'10" NAD27

Land-surface elevation 3,311 feet above NAVD88

The depth of the well is 180 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 measurement
1954-07-23			D	62610	3206.62	NGVD29	1	Z		
1954-07-23			D	62611	3208.20	NAVD88	1	Z		
1954-07-23			D	72019	102.80		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.

[Questions about sites/data?](#)
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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: 2023-04-17 15:31:11 EDT

0.28 0.25 nadww01



Borehole ID:
GWDB

Soil Drilling Log

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

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

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

* H.O. = Heavy Odor

* L.O. = Low Odor

* H.S. = Heavy Staining

* L.S. = Low Staining



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y				
C	02285 POD1	1	4	4	03	26S	33E	636613	3548855				
<hr/>													
Driller License:		Driller Company:											
Driller Name:													
Drill Start Date:		Drill Finish Date:				12/31/1982		Plug Date:					
Log File Date:		PCW Rcv Date:						Source:		Shallow			
Pump Type:		Pipe Discharge Size:						Estimated Yield:		18 GPM			
Casing Size:	8.00	Depth Well:				220 feet		Depth Water:		220 feet			
<hr/>													

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.


4/17/23 1:24 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

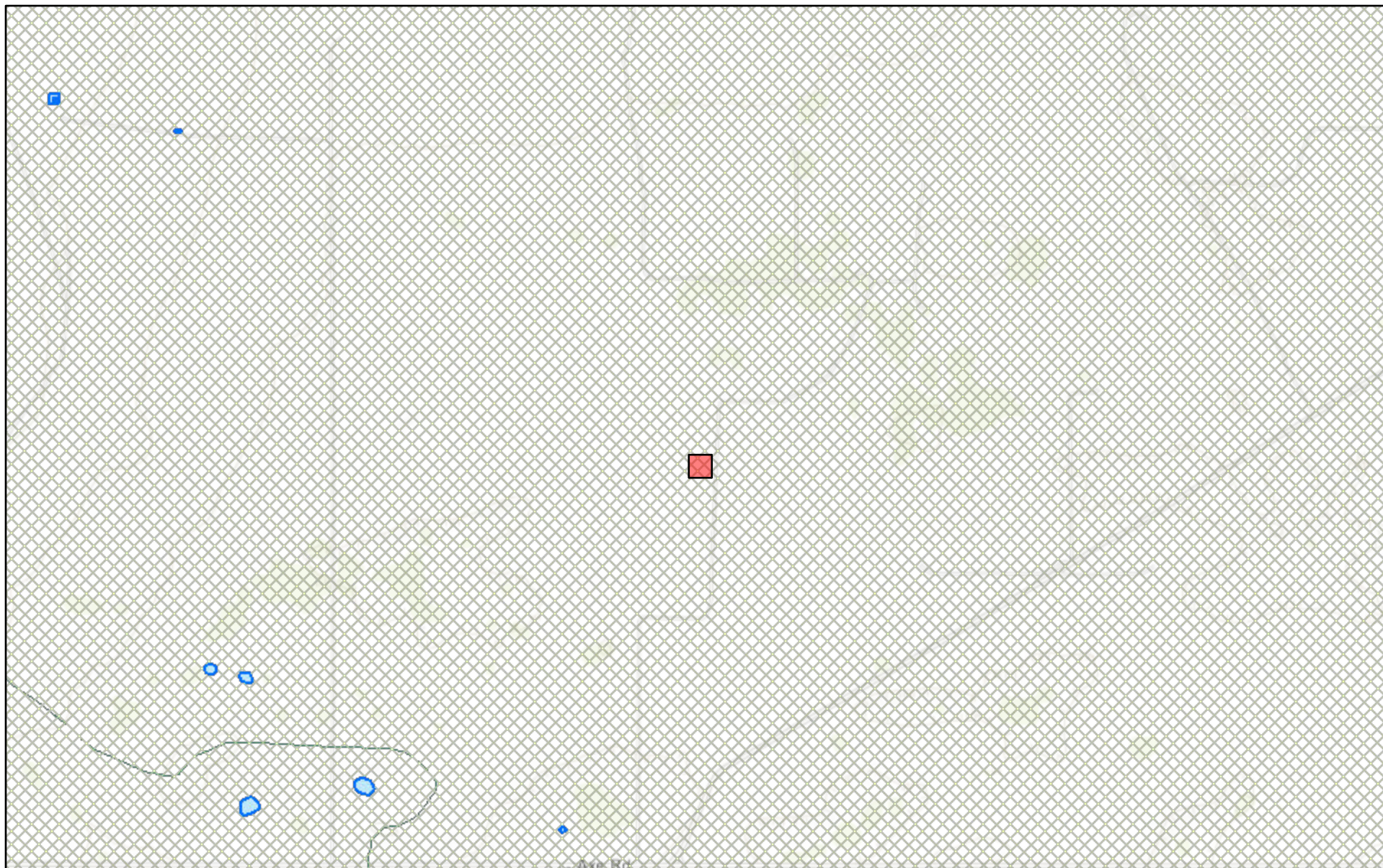
		(quarters are 1=NW 2=NE 3=SW 4=SE)						(NAD83 UTM in meters)	
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02288	4	4	4	03	26S	33E	636646	3548758 
<hr/>									
Driller License:		Driller Company:							
Driller Name:									
Drill Start Date:		Drill Finish Date:				12/31/1982		Plug Date:	
Log File Date:		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield: 18 GPM			
Casing Size: 8.00		Depth Well:				220 feet		Depth Water: 180 feet	
<hr/>									

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.

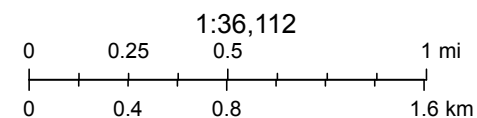
4/17/23 1:25 PM

POINT OF DIVERSION SUMMARY

New Mexico NFHL Data



April 17, 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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14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/25/2023 4:30:57 PM

JOB DESCRIPTION

Redbull 35 Fed 1 Flare Fire (04.13.23)
SDG NUMBER Lea County, NM

JOB NUMBER

880-27463-1

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
4/25/2023 4:30:57 PM

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

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Laboratory Job ID: 880-27463-1
SDG: Lea County, NM

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QC Sample Results	20
QC Association Summary	26
Lab Chronicle	30
Certification Summary	35
Method Summary	36
Sample Summary	37
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Receipt Checklists	40

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Job ID: 880-27463-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-27463-1****Receipt**

The samples were received on 4/21/2023 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-3") (880-27463-1), S-1 (0.5') (880-27463-2), S-1 (1') (880-27463-3), S-1 (1.5') (880-27463-4), S-1 (2') (880-27463-5), S-2 (0-3") (880-27463-6), S-2 (0.5') (880-27463-7), S-2 (1') (880-27463-8), S-2 (1.5') (880-27463-9), S-2 (2') (880-27463-10), S-3 (0-3") (880-27463-11), S-3 (0.5') (880-27463-12), S-3 (1') (880-27463-13), S-3 (1.5') (880-27463-14) and S-3 (2') (880-27463-15).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-27436-A-1-A MS). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-51687 and analytical batch 880-51662 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0.5') (880-27463-2), S-1 (1') (880-27463-3), S-1 (1.5') (880-27463-4), S-1 (2') (880-27463-5) and (880-27463-A-1-C MS). 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-3 (0-3") (880-27463-11) and S-3 (1.5') (880-27463-14). 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

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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27463-1

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 14:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 14:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/21/23 10:24	04/21/23 14:31	1
1,4-Difluorobenzene (Surr)	112		70 - 130	04/21/23 10:24	04/21/23 14:31	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			04/21/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6700		49.8		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 11:09	1
Diesel Range Organics (Over C10-C28)	5880		49.8		mg/Kg		04/21/23 10:29	04/21/23 11:09	1
Oil Range Organics (Over C28-C36)	817		49.8		mg/Kg		04/21/23 10:29	04/21/23 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	04/21/23 10:29	04/21/23 11:09	1
o-Terphenyl	117		70 - 130	04/21/23 10:29	04/21/23 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3410		101		mg/Kg			04/25/23 13:53	20

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-27463-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 14:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 14:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 14:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/21/23 10:24	04/21/23 14:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 14:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/23 10:24	04/21/23 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/21/23 10:24	04/21/23 14:52	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/21/23 10:24	04/21/23 14:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-27463-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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			04/21/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7960		250		mg/Kg			04/24/23 12:42	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	<250	U	250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
Diesel Range Organics (Over C10-C28)	6990		250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
Oil Range Organics (Over C28-C36)	970		250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				04/21/23 10:29	04/21/23 12:14	5
o-Terphenyl	148	S1+	70 - 130				04/21/23 10:29	04/21/23 12:14	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3610		101		mg/Kg			04/25/23 14:08	20

Client Sample ID: S-1 (1')

Lab Sample ID: 880-27463-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 15:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 15:12	1
Ethylbenzene	0.00218		0.00199		mg/Kg		04/21/23 10:24	04/21/23 15:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 15:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 15:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				04/21/23 10:24	04/21/23 15:12	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/21/23 10:24	04/21/23 15:12	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			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10100		250		mg/Kg			04/24/23 12:42	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	<250	U	250		mg/Kg		04/21/23 10:29	04/21/23 12:36	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-27463-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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)	8990		250		mg/Kg		04/21/23 10:29	04/21/23 12:36	5
Oil Range Organics (Over C28-C36)	1150		250		mg/Kg		04/21/23 10:29	04/21/23 12:36	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				04/21/23 10:29	04/21/23 12:36	5
o-Terphenyl	142	S1+	70 - 130				04/21/23 10:29	04/21/23 12:36	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		49.7		mg/Kg			04/25/23 14:13	10

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27463-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 15:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 15:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 15:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 15:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 15:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/21/23 10:24	04/21/23 15:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130				04/21/23 10:24	04/21/23 15:33	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			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11500		250		mg/Kg			04/24/23 12:42	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	<250	U	250		mg/Kg		04/21/23 10:29	04/21/23 12:58	5
Diesel Range Organics (Over C10-C28)	10200		250		mg/Kg		04/21/23 10:29	04/21/23 12:58	5
Oil Range Organics (Over C28-C36)	1340		250		mg/Kg		04/21/23 10:29	04/21/23 12:58	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				04/21/23 10:29	04/21/23 12:58	5
o-Terphenyl	147	S1+	70 - 130				04/21/23 10:29	04/21/23 12:58	5

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27463-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	830		50.2		mg/Kg			04/25/23 14:18	10

Client Sample ID: S-1 (2')

Lab Sample ID: 880-27463-5

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 17:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 17:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 17:23	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/21/23 10:24	04/21/23 17:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 17:23	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/21/23 10:24	04/21/23 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/21/23 10:24	04/21/23 17:23	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/21/23 10:24	04/21/23 17:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5390		249		mg/Kg			04/24/23 12:42	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	<249	U	249		mg/Kg		04/21/23 10:29	04/21/23 13:19	5
Diesel Range Organics (Over C10-C28)	4670		249		mg/Kg		04/21/23 10:29	04/21/23 13:19	5
Oil Range Organics (Over C28-C36)	718		249		mg/Kg		04/21/23 10:29	04/21/23 13:19	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	04/21/23 10:29	04/21/23 13:19	5
o-Terphenyl	152	S1+	70 - 130	04/21/23 10:29	04/21/23 13:19	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	746		49.6		mg/Kg			04/25/23 14:22	10

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-27463-6

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00260		0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
Toluene	0.00505		0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-27463-6

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00494		0.00398		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
Xylenes, Total	0.00494		0.00398		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/21/23 10:24	04/21/23 17:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/21/23 10:24	04/21/23 17:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0126		0.00398		mg/Kg			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	487		49.9		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 13:41	1
Diesel Range Organics (Over C10-C28)	370		49.9		mg/Kg		04/21/23 10:29	04/21/23 13:41	1
Oil Range Organics (Over C28-C36)	117		49.9		mg/Kg		04/21/23 10:29	04/21/23 13:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				04/21/23 10:29	04/21/23 13:41	1
o-Terphenyl	110		70 - 130				04/21/23 10:29	04/21/23 13:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		4.95		mg/Kg			04/25/23 14:37	1

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-27463-7

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 18:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 18:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 18:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 18:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 18:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/21/23 10:24	04/21/23 18:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130				04/21/23 10:24	04/21/23 18:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/23 14:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-27463-7

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	146		49.9		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 14:03	1
Diesel Range Organics (Over C10-C28)	146		49.9		mg/Kg		04/21/23 10:29	04/21/23 14:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/21/23 10:29	04/21/23 14:03	1
o-Terphenyl	118		70 - 130				04/21/23 10:29	04/21/23 14:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.9		4.97		mg/Kg			04/25/23 14:42	1

Client Sample ID: S-2 (1')

Lab Sample ID: 880-27463-8

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 18:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 18:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 18:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 18:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 18:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/21/23 10:24	04/21/23 18:24	1
1,4-Difluorobenzene (Surr)	103		70 - 130				04/21/23 10:24	04/21/23 18:24	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			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	234		50.0		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 14:24	1
Diesel Range Organics (Over C10-C28)	181		50.0		mg/Kg		04/21/23 10:29	04/21/23 14:24	1
Oil Range Organics (Over C28-C36)	53.0		50.0		mg/Kg		04/21/23 10:29	04/21/23 14:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-27463-8

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/21/23 10:29	04/21/23 14:24	1
o-Terphenyl	119		70 - 130	04/21/23 10:29	04/21/23 14:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.2		4.99		mg/Kg			04/25/23 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-27463-9

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 18:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 18:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 18:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 18:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 18:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/21/23 10:24	04/21/23 18:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/21/23 10:24	04/21/23 18:45	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			04/24/23 14:06	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			04/24/23 12:42	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		04/21/23 10:29	04/21/23 14:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/21/23 10:29	04/21/23 14:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/21/23 10:29	04/21/23 14:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/21/23 10:29	04/21/23 14:46	1
o-Terphenyl	122		70 - 130	04/21/23 10:29	04/21/23 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.4		5.01		mg/Kg			04/25/23 14:51	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-2 (2')

Lab Sample ID: 880-27463-10

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:18	04/21/23 19:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/21/23 10:18	04/21/23 19:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/21/23 10:18	04/21/23 19:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/21/23 10:18	04/21/23 19:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/21/23 10:18	04/21/23 19:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/21/23 10:18	04/21/23 19:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/21/23 10:18	04/21/23 19:05	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/21/23 10:18	04/21/23 19:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/24/23 14:06	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			04/24/23 12:42	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		04/21/23 10:29	04/21/23 15:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 15:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/21/23 10:29	04/21/23 15:08	1
o-Terphenyl	123		70 - 130	04/21/23 10:29	04/21/23 15:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		5.03		mg/Kg			04/25/23 14:56	1

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

Lab Sample ID: 880-27463-11

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00556		0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:26	1
Toluene	0.00543		0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:26	1
Ethylbenzene	0.00231		0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:26	1
m-Xylene & p-Xylene	0.00671		0.00396		mg/Kg		04/21/23 10:24	04/21/23 19:26	1
o-Xylene	0.00320		0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:26	1
Xylenes, Total	0.00991		0.00396		mg/Kg		04/21/23 10:24	04/21/23 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/21/23 10:24	04/21/23 19:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/21/23 10:24	04/21/23 19:26	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27463-11

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0232		0.00396		mg/Kg			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	526		50.0		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 15:51	1
Diesel Range Organics (Over C10-C28)	403		50.0		mg/Kg		04/21/23 10:29	04/21/23 15:51	1
Oil Range Organics (Over C28-C36)	123		50.0		mg/Kg		04/21/23 10:29	04/21/23 15:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				04/21/23 10:29	04/21/23 15:51	1
o-Terphenyl	134	S1+	70 - 130				04/21/23 10:29	04/21/23 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		24.9		mg/Kg			04/25/23 15:01	5

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-27463-12

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 19:46	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/21/23 10:24	04/21/23 19:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 10:24	04/21/23 19:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/21/23 10:24	04/21/23 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/21/23 10:24	04/21/23 19:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130				04/21/23 10:24	04/21/23 19:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	278		50.0		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 16:12	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-27463-12

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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)	227		50.0		mg/Kg		04/21/23 10:29	04/21/23 16:12	1
Oil Range Organics (Over C28-C36)	50.6		50.0		mg/Kg		04/21/23 10:29	04/21/23 16:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				04/21/23 10:29	04/21/23 16:12	1
o-Terphenyl	125		70 - 130				04/21/23 10:29	04/21/23 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359		25.0		mg/Kg			04/25/23 15:15	5

Client Sample ID: S-3 (1')

Lab Sample ID: 880-27463-13

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 20:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/21/23 10:24	04/21/23 20:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/21/23 10:24	04/21/23 20:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				04/21/23 10:24	04/21/23 20:06	1
1,4-Difluorobenzene (Surr)	108		70 - 130				04/21/23 10:24	04/21/23 20:06	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			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	484		49.8		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 16:34	1
Diesel Range Organics (Over C10-C28)	402		49.8		mg/Kg		04/21/23 10:29	04/21/23 16:34	1
Oil Range Organics (Over C28-C36)	82.0		49.8		mg/Kg		04/21/23 10:29	04/21/23 16:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				04/21/23 10:29	04/21/23 16:34	1
o-Terphenyl	128		70 - 130				04/21/23 10:29	04/21/23 16:34	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-3 (1')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-13

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	638		50.2		mg/Kg			04/25/23 15:20	10

Client Sample ID: S-3 (1.5')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 20:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 20:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/21/23 10:24	04/21/23 20:27	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/21/23 10:24	04/21/23 20:27	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			04/24/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	486		49.9		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 16:55	1
Diesel Range Organics (Over C10-C28)	409		49.9		mg/Kg		04/21/23 10:29	04/21/23 16:55	1
Oil Range Organics (Over C28-C36)	76.9		49.9		mg/Kg		04/21/23 10:29	04/21/23 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	04/21/23 10:29	04/21/23 16:55	1
o-Terphenyl	148	S1+	70 - 130	04/21/23 10:29	04/21/23 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	762		50.3		mg/Kg			04/25/23 15:35	10

Client Sample ID: S-3 (2')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:30	04/21/23 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:30	04/21/23 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:30	04/21/23 11:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-3 (2')

Lab Sample ID: 880-27463-15

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00499		0.00399		mg/Kg		04/21/23 10:30	04/21/23 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:30	04/21/23 11:40	1
Xylenes, Total	0.00499		0.00399		mg/Kg		04/21/23 10:30	04/21/23 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				04/21/23 10:30	04/21/23 11:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/21/23 10:30	04/21/23 11:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00499		0.00399		mg/Kg			04/21/23 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	408		49.9		mg/Kg			04/24/23 12:42	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		04/21/23 10:29	04/21/23 17:17	1
Diesel Range Organics (Over C10-C28)	342		49.9		mg/Kg		04/21/23 10:29	04/21/23 17:17	1
Oil Range Organics (Over C28-C36)	65.7		49.9		mg/Kg		04/21/23 10:29	04/21/23 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				04/21/23 10:29	04/21/23 17:17	1
o-Terphenyl	121		70 - 130				04/21/23 10:29	04/21/23 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	912		49.9		mg/Kg			04/25/23 15:40	10

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Surrogate Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-27411-A-1-B MS	Matrix Spike	109	112				
880-27411-A-1-C MSD	Matrix Spike Duplicate	110	109				
880-27436-A-1-A MS	Matrix Spike	138 S1+	98				
880-27436-A-1-B MSD	Matrix Spike Duplicate	125	87				
880-27463-1	S-1 (0-3")	103	112				
880-27463-2	S-1 (0.5')	108	110				
880-27463-3	S-1 (1')	92	100				
880-27463-4	S-1 (1.5')	91	107				
880-27463-5	S-1 (2')	93	105				
880-27463-6	S-2 (0-3")	112	101				
880-27463-7	S-2 (0.5')	106	105				
880-27463-8	S-2 (1')	109	103				
880-27463-9	S-2 (1.5')	104	101				
880-27463-10	S-2 (2')	104	102				
880-27463-11	S-3 (0-3")	105	108				
880-27463-12	S-3 (0.5')	110	106				
880-27463-13	S-3 (1')	109	108				
880-27463-14	S-3 (1.5')	109	107				
880-27463-15	S-3 (2')	112	100				
LCS 880-51667/1-A	Lab Control Sample	104	95				
LCS 880-51686/1-A	Lab Control Sample	121	113				
LCSD 880-51667/2-A	Lab Control Sample Dup	113	94				
LCSD 880-51686/2-A	Lab Control Sample Dup	110	113				
MB 880-51667/5-A	Method Blank	104	85				
MB 880-51686/5-A	Method Blank	98	96				

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-27463-1	S-1 (0-3")	113	117				
880-27463-1 MS	S-1 (0-3")	137 S1+	131 S1+				
880-27463-1 MSD	S-1 (0-3")	121	119				
880-27463-2	S-1 (0.5')	132 S1+	148 S1+				
880-27463-3	S-1 (1')	134 S1+	142 S1+				
880-27463-4	S-1 (1.5')	136 S1+	147 S1+				
880-27463-5	S-1 (2')	131 S1+	152 S1+				
880-27463-6	S-2 (0-3")	98	110				
880-27463-7	S-2 (0.5')	106	118				
880-27463-8	S-2 (1')	109	119				
880-27463-9	S-2 (1.5')	106	122				
880-27463-10	S-2 (2')	106	123				
880-27463-11	S-3 (0-3")	122	134 S1+				
880-27463-12	S-3 (0.5')	109	125				

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-27463-13	S-3 (1')	112	128
880-27463-14	S-3 (1.5')	128	148 S1+
880-27463-15	S-3 (2')	108	121
LCS 880-51687/2-A	Lab Control Sample	109	126
LCSD 880-51687/3-A	Lab Control Sample Dup	108	127
MB 880-51687/1-A	Method Blank	129	163 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51667/5-A

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 08:49	04/21/23 10:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 08:49	04/21/23 10:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 08:49	04/21/23 10:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 08:49	04/21/23 10:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 08:49	04/21/23 10:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 08:49	04/21/23 10:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/21/23 08:49	04/21/23 10:58	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/21/23 08:49	04/21/23 10:58	1

Lab Sample ID: LCS 880-51667/1-A

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1005		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1030		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2116		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1040		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-51667/2-A

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09924		mg/Kg		99	70 - 130	7	35
Toluene	0.100	0.09635		mg/Kg		96	70 - 130	4	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2060		mg/Kg		103	70 - 130	3	35
o-Xylene	0.100	0.1065		mg/Kg		106	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-27436-A-1-A MS

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0998	0.08470		mg/Kg		85	70 - 130
Toluene	0.00345		0.0998	0.1007		mg/Kg		97	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27436-A-1-A MS

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0998	0.1169		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2515		mg/Kg		125	70 - 130
o-Xylene	<0.00199	U	0.0998	0.1220		mg/Kg		121	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-27436-A-1-B MSD

Matrix: Solid

Analysis Batch: 51665

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.08431		mg/Kg		85	70 - 130	0	35
Toluene	0.00345		0.0990	0.08838		mg/Kg		86	70 - 130	13	35
Ethylbenzene	<0.00199	U	0.0990	0.09808		mg/Kg		98	70 - 130	18	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.2057		mg/Kg		103	70 - 130	20	35
o-Xylene	<0.00199	U	0.0990	0.09935		mg/Kg		99	70 - 130	20	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	87		70 - 130

Lab Sample ID: MB 880-51686/5-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/21/23 10:18	04/21/23 12:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/21/23 10:18	04/21/23 12:00	1

Lab Sample ID: LCS 880-51686/1-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08751		mg/Kg		88	70 - 130
Toluene	0.100	0.08558		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08210		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1664		mg/Kg		83	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-51686/1-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.08650		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-51686/2-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09393		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.09198		mg/Kg		92	70 - 130	7	35
Ethylbenzene	0.100	0.08824		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1787		mg/Kg		89	70 - 130	7	35
o-Xylene	0.100	0.08933		mg/Kg		89	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-27411-A-1-B MS

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.07915		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.0998	0.07749		mg/Kg		76	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.07415		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1490		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.0998	0.07528		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-27411-A-1-C MSD

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.08190		mg/Kg		83	70 - 130	3	35
Toluene	<0.00200	U	0.0990	0.08003		mg/Kg		80	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0990	0.07668		mg/Kg		77	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1542		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.07733		mg/Kg		78	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27411-A-1-C MSD

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51686

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-51687/1-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51687

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	129		70 - 130				04/21/23 08:00	04/21/23 08:19	1	
o-Terphenyl	163	S1+	70 - 130				04/21/23 08:00	04/21/23 08:19	1	

Lab Sample ID: LCS 880-51687/2-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51687

	Spike	LCS	LCS					%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	1000	941.4		mg/Kg		94	70 - 130			
Diesel Range Organics (Over C10-C28)	1000	919.4		mg/Kg		92	70 - 130			
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
o-Terphenyl	126		70 - 130							

Lab Sample ID: LCSD 880-51687/3-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51687

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	909.2		mg/Kg		91	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1000	903.4		mg/Kg		90	70 - 130	2	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	108		70 - 130							
o-Terphenyl	127		70 - 130							

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QC Sample Results

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

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

Lab Sample ID: 880-27463-1 MS

Matrix: Solid

Analysis Batch: 51662

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

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1096		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	5880		998	7088	4	mg/Kg		121	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	137	S1+	70 - 130						
o-Terphenyl	131	S1+	70 - 130						

Lab Sample ID: 880-27463-1 MSD

Matrix: Solid

Analysis Batch: 51662

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

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	979.3		mg/Kg		98	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	5880		997	6117	4	mg/Kg		24	70 - 130	15	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	121		70 - 130								
o-Terphenyl	119		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51740/1-A

Matrix: Solid

Analysis Batch: 51882

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			04/25/23 13:39	1

Lab Sample ID: LCS 880-51740/2-A

Matrix: Solid

Analysis Batch: 51882

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-51740/3-A

Matrix: Solid

Analysis Batch: 51882

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	251.0		mg/Kg		100	90 - 110	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27463-1 MS

Matrix: Solid

Analysis Batch: 51882

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3410		5040	8546		mg/Kg		102	90 - 110		

Lab Sample ID: 880-27463-1 MSD

Matrix: Solid

Analysis Batch: 51882

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3410		5040	8485		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-27463-11 MS

Matrix: Solid

Analysis Batch: 51882

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	307		1240	1601		mg/Kg		104	90 - 110		

Lab Sample ID: 880-27463-11 MSD

Matrix: Solid

Analysis Batch: 51882

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	307		1240	1599		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

GC VOA

Analysis Batch: 51664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	8021B	51686
880-27463-2	S-1 (0.5')	Total/NA	Solid	8021B	51686
880-27463-3	S-1 (1')	Total/NA	Solid	8021B	51686
880-27463-4	S-1 (1.5')	Total/NA	Solid	8021B	51686
880-27463-5	S-1 (2')	Total/NA	Solid	8021B	51686
880-27463-6	S-2 (0-3")	Total/NA	Solid	8021B	51686
880-27463-7	S-2 (0.5')	Total/NA	Solid	8021B	51686
880-27463-8	S-2 (1')	Total/NA	Solid	8021B	51686
880-27463-9	S-2 (1.5')	Total/NA	Solid	8021B	51686
880-27463-10	S-2 (2')	Total/NA	Solid	8021B	51686
880-27463-11	S-3 (0-3")	Total/NA	Solid	8021B	51686
880-27463-12	S-3 (0.5')	Total/NA	Solid	8021B	51686
880-27463-13	S-3 (1')	Total/NA	Solid	8021B	51686
880-27463-14	S-3 (1.5')	Total/NA	Solid	8021B	51686
MB 880-51686/5-A	Method Blank	Total/NA	Solid	8021B	51686
LCS 880-51686/1-A	Lab Control Sample	Total/NA	Solid	8021B	51686
LCSD 880-51686/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51686
880-27411-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	51686
880-27411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	51686

Analysis Batch: 51665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-15	S-3 (2')	Total/NA	Solid	8021B	51667
MB 880-51667/5-A	Method Blank	Total/NA	Solid	8021B	51667
LCS 880-51667/1-A	Lab Control Sample	Total/NA	Solid	8021B	51667
LCSD 880-51667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51667
880-27436-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	51667
880-27436-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	51667

Prep Batch: 51667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-15	S-3 (2')	Total/NA	Solid	5035	
MB 880-51667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27436-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-27436-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 51686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	5035	
880-27463-2	S-1 (0.5')	Total/NA	Solid	5035	
880-27463-3	S-1 (1')	Total/NA	Solid	5035	
880-27463-4	S-1 (1.5')	Total/NA	Solid	5035	
880-27463-5	S-1 (2')	Total/NA	Solid	5035	
880-27463-6	S-2 (0-3")	Total/NA	Solid	5035	
880-27463-7	S-2 (0.5')	Total/NA	Solid	5035	
880-27463-8	S-2 (1')	Total/NA	Solid	5035	
880-27463-9	S-2 (1.5')	Total/NA	Solid	5035	
880-27463-10	S-2 (2')	Total/NA	Solid	5035	
880-27463-11	S-3 (0-3")	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

GC VOA (Continued)

Prep Batch: 51686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-12	S-3 (0.5')	Total/NA	Solid	5035	
880-27463-13	S-3 (1')	Total/NA	Solid	5035	
880-27463-14	S-3 (1.5')	Total/NA	Solid	5035	
MB 880-51686/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51686/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51686/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27411-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-27411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 51750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-27463-2	S-1 (0.5')	Total/NA	Solid	Total BTEX	
880-27463-3	S-1 (1')	Total/NA	Solid	Total BTEX	
880-27463-4	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-27463-5	S-1 (2')	Total/NA	Solid	Total BTEX	
880-27463-6	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-27463-7	S-2 (0.5')	Total/NA	Solid	Total BTEX	
880-27463-8	S-2 (1')	Total/NA	Solid	Total BTEX	
880-27463-9	S-2 (1.5')	Total/NA	Solid	Total BTEX	
880-27463-10	S-2 (2')	Total/NA	Solid	Total BTEX	
880-27463-11	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-27463-12	S-3 (0.5')	Total/NA	Solid	Total BTEX	
880-27463-13	S-3 (1')	Total/NA	Solid	Total BTEX	
880-27463-14	S-3 (1.5')	Total/NA	Solid	Total BTEX	
880-27463-15	S-3 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 51662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	8015B NM	51687
880-27463-2	S-1 (0.5')	Total/NA	Solid	8015B NM	51687
880-27463-3	S-1 (1')	Total/NA	Solid	8015B NM	51687
880-27463-4	S-1 (1.5')	Total/NA	Solid	8015B NM	51687
880-27463-5	S-1 (2')	Total/NA	Solid	8015B NM	51687
880-27463-6	S-2 (0-3")	Total/NA	Solid	8015B NM	51687
880-27463-7	S-2 (0.5')	Total/NA	Solid	8015B NM	51687
880-27463-8	S-2 (1')	Total/NA	Solid	8015B NM	51687
880-27463-9	S-2 (1.5')	Total/NA	Solid	8015B NM	51687
880-27463-10	S-2 (2')	Total/NA	Solid	8015B NM	51687
880-27463-11	S-3 (0-3")	Total/NA	Solid	8015B NM	51687
880-27463-12	S-3 (0.5')	Total/NA	Solid	8015B NM	51687
880-27463-13	S-3 (1')	Total/NA	Solid	8015B NM	51687
880-27463-14	S-3 (1.5')	Total/NA	Solid	8015B NM	51687
880-27463-15	S-3 (2')	Total/NA	Solid	8015B NM	51687
MB 880-51687/1-A	Method Blank	Total/NA	Solid	8015B NM	51687
LCS 880-51687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	51687
LCSD 880-51687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	51687
880-27463-1 MS	S-1 (0-3")	Total/NA	Solid	8015B NM	51687
880-27463-1 MSD	S-1 (0-3")	Total/NA	Solid	8015B NM	51687

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

GC Semi VOA

Prep Batch: 51687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-27463-2	S-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-27463-3	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-27463-4	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
880-27463-5	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-27463-6	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-27463-7	S-2 (0.5')	Total/NA	Solid	8015NM Prep	
880-27463-8	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-27463-9	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
880-27463-10	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-27463-11	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-27463-12	S-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-27463-13	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-27463-14	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
880-27463-15	S-3 (2')	Total/NA	Solid	8015NM Prep	
MB 880-51687/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-51687/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-51687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27463-1 MS	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-27463-1 MSD	S-1 (0-3")	Total/NA	Solid	8015NM Prep	

Analysis Batch: 51849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-27463-2	S-1 (0.5')	Total/NA	Solid	8015 NM	
880-27463-3	S-1 (1')	Total/NA	Solid	8015 NM	
880-27463-4	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-27463-5	S-1 (2')	Total/NA	Solid	8015 NM	
880-27463-6	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-27463-7	S-2 (0.5')	Total/NA	Solid	8015 NM	
880-27463-8	S-2 (1')	Total/NA	Solid	8015 NM	
880-27463-9	S-2 (1.5')	Total/NA	Solid	8015 NM	
880-27463-10	S-2 (2')	Total/NA	Solid	8015 NM	
880-27463-11	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-27463-12	S-3 (0.5')	Total/NA	Solid	8015 NM	
880-27463-13	S-3 (1')	Total/NA	Solid	8015 NM	
880-27463-14	S-3 (1.5')	Total/NA	Solid	8015 NM	
880-27463-15	S-3 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 51740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-27463-2	S-1 (0.5')	Soluble	Solid	DI Leach	
880-27463-3	S-1 (1')	Soluble	Solid	DI Leach	
880-27463-4	S-1 (1.5')	Soluble	Solid	DI Leach	
880-27463-5	S-1 (2')	Soluble	Solid	DI Leach	
880-27463-6	S-2 (0-3")	Soluble	Solid	DI Leach	
880-27463-7	S-2 (0.5')	Soluble	Solid	DI Leach	
880-27463-8	S-2 (1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

HPLC/IC (Continued)

Leach Batch: 51740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-9	S-2 (1.5')	Soluble	Solid	DI Leach	
880-27463-10	S-2 (2')	Soluble	Solid	DI Leach	
880-27463-11	S-3 (0-3")	Soluble	Solid	DI Leach	
880-27463-12	S-3 (0.5')	Soluble	Solid	DI Leach	
880-27463-13	S-3 (1')	Soluble	Solid	DI Leach	
880-27463-14	S-3 (1.5')	Soluble	Solid	DI Leach	
880-27463-15	S-3 (2')	Soluble	Solid	DI Leach	
MB 880-51740/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51740/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51740/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27463-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-27463-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	
880-27463-11 MS	S-3 (0-3")	Soluble	Solid	DI Leach	
880-27463-11 MSD	S-3 (0-3")	Soluble	Solid	DI Leach	

Analysis Batch: 51882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27463-1	S-1 (0-3")	Soluble	Solid	300.0	51740
880-27463-2	S-1 (0.5')	Soluble	Solid	300.0	51740
880-27463-3	S-1 (1')	Soluble	Solid	300.0	51740
880-27463-4	S-1 (1.5')	Soluble	Solid	300.0	51740
880-27463-5	S-1 (2')	Soluble	Solid	300.0	51740
880-27463-6	S-2 (0-3")	Soluble	Solid	300.0	51740
880-27463-7	S-2 (0.5')	Soluble	Solid	300.0	51740
880-27463-8	S-2 (1')	Soluble	Solid	300.0	51740
880-27463-9	S-2 (1.5')	Soluble	Solid	300.0	51740
880-27463-10	S-2 (2')	Soluble	Solid	300.0	51740
880-27463-11	S-3 (0-3")	Soluble	Solid	300.0	51740
880-27463-12	S-3 (0.5')	Soluble	Solid	300.0	51740
880-27463-13	S-3 (1')	Soluble	Solid	300.0	51740
880-27463-14	S-3 (1.5')	Soluble	Solid	300.0	51740
880-27463-15	S-3 (2')	Soluble	Solid	300.0	51740
MB 880-51740/1-A	Method Blank	Soluble	Solid	300.0	51740
LCS 880-51740/2-A	Lab Control Sample	Soluble	Solid	300.0	51740
LCSD 880-51740/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51740
880-27463-1 MS	S-1 (0-3")	Soluble	Solid	300.0	51740
880-27463-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	51740
880-27463-11 MS	S-3 (0-3")	Soluble	Solid	300.0	51740
880-27463-11 MSD	S-3 (0-3")	Soluble	Solid	300.0	51740

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27463-1

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 11:09	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	51882	04/25/23 13:53	SMC	EET MID

Client Sample ID: S-1 (0.5')

Lab Sample ID: 880-27463-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	51662	04/21/23 12:14	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	51882	04/25/23 14:08	SMC	EET MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-27463-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	51662	04/21/23 12:36	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 14:13	SMC	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27463-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-27463-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	51662	04/21/23 12:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 14:18	SMC	EET MID

Client Sample ID: S-1 (2')

Lab Sample ID: 880-27463-5

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	51662	04/21/23 13:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 14:22	SMC	EET MID

Client Sample ID: S-2 (0-3")

Lab Sample ID: 880-27463-6

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 13:41	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51882	04/25/23 14:37	SMC	EET MID

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-27463-7

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 14:03	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-2 (0.5')

Lab Sample ID: 880-27463-7

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51882	04/25/23 14:42	SMC	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-27463-8

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 14:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51882	04/25/23 14:46	SMC	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-27463-9

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 14:46	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51882	04/25/23 14:51	SMC	EET MID

Client Sample ID: S-2 (2')

Lab Sample ID: 880-27463-10

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	51686	04/21/23 10:18	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 19:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 15:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51882	04/25/23 14:56	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27463-11

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 19:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 15:51	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51882	04/25/23 15:01	SMC	EET MID

Client Sample ID: S-3 (0.5')

Lab Sample ID: 880-27463-12

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 19:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 16:12	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51882	04/25/23 15:15	SMC	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-27463-13

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 20:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 16:34	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 15:20	SMC	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-27463-14

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 20:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/24/23 14:06	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-27463-14

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 16:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 15:35	SMC	EET MID

Client Sample ID: S-3 (2')

Lab Sample ID: 880-27463-15

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51667	04/21/23 10:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51665	04/21/23 11:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51750	04/21/23 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			51849	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 17:17	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	51740	04/21/23 14:34	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51882	04/25/23 15:40	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources

Job ID: 880-27463-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27463-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27463-1	S-1 (0-3")	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-2	S-1 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-3	S-1 (1')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-4	S-1 (1.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-5	S-1 (2')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-6	S-2 (0-3")	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-7	S-2 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-8	S-2 (1')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-9	S-2 (1.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-10	S-2 (2')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-11	S-3 (0-3")	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-12	S-3 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-13	S-3 (1')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-14	S-3 (1.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27463-15	S-3 (2')	Solid	04/20/23 00:00	04/21/23 09:42

Work Order No: 274623


Page 1 of 2

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

Project Name: Redbull 35 Fed 1 Flare Fire (04 13 23)		Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Number 2013		Due Date 48 Hrs	
Project Location Lea County, NM		City, State ZIP KGB	
Sampler's Name KGB		City, State ZIP KGB	
PO #		City, State ZIP KGB	


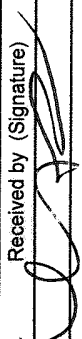
SAMPLE RECEIPT			
Received Intact:	Temp Blank:	Yes No	Wet Ice
Cooler Custody Seals:	Yes No	Thermometer ID	
Sample Custody Seals:	Yes No	Correction Factor	
Total Containers	Yes No	Temperature Reading	
		Corrected Temperature	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres Code	ANALYSIS REQUEST										Preservative Codes	Sample Comments
S-1 (0-3")	4/20/2023		X		G	1											None NO	DI Water H ₂ O		
S-1 (0-5")	4/20/2023		X		G	1											Cool Cool	MeOH Me		
S-1 (1')	4/20/2023		X		G	1											HCL HC	HNO ₃ HN		
S-1 (1.5')	4/20/2023		X		G	1											H ₂ SO ₄ H ₂	NaOH Na		
S-1 (2')	4/20/2023		X		G	1											H ₃ PO ₄ HP			
S-2 (0-3")	4/20/2023		X		G	1											NaHSO ₄ NABIS			
S-2 (0-5")	4/20/2023		X		G	1											Na ₂ S ₂ O ₃ NaSO ₃			
S-2 (1')	4/20/2023		X		G	1											Zn Acetate+NaOH Zn			
S-2 (1.5')	4/20/2023		X		G	1											NaOH+Ascorbic Acid SAPC			
S-2 (2')	4/20/2023		X		G	1														



880-27463 Chain of Custody

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

Relinquished by (Signature)		Date/Time	Received by (Signature)	Date/Time
		4/21/23		
		942		

Work Order No: 27463

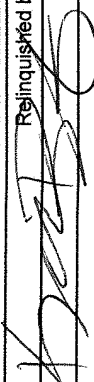

Page 2 of 2

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

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

ANALYSIS REQUEST										Preservative Codes																																							
Project Name	Project Number	Project Location	Sampler's Name	PO #	Turn Around			Parameters	Pres. Code	# of Cont	Sample Comments																																						
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Due Date																																										
Redbull 35 Fed 1 Flare Fire (04 13 23)	2013	Lea County, NM	KGB				48 Hrs																																										
<table border="1"> <tr> <td colspan="2">SAMPLE RECEIPT</td> <td>Temp Blank.</td> <td>Yes</td> <td>No</td> <td>Wet Ice</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>Received Intact:</td> <td></td> <td>Yes</td> <td>No</td> <td>Thermometer ID</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cooler Custody Seals</td> <td></td> <td>Yes</td> <td>No</td> <td>Correction Factor</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sample Custody Seals</td> <td></td> <td>Yes</td> <td>No</td> <td>Temperature Reading</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Containers</td> <td></td> <td></td> <td></td> <td>Corrected Temperature</td> <td></td> <td></td> <td></td> </tr> </table>					SAMPLE RECEIPT		Temp Blank.	Yes	No	Wet Ice	Yes	No	Received Intact:		Yes	No	Thermometer ID				Cooler Custody Seals		Yes	No	Correction Factor				Sample Custody Seals		Yes	No	Temperature Reading				Total Containers				Corrected Temperature				BTX 8021B		TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	
SAMPLE RECEIPT		Temp Blank.	Yes	No	Wet Ice	Yes	No																																										
Received Intact:		Yes	No	Thermometer ID																																													
Cooler Custody Seals		Yes	No	Correction Factor																																													
Sample Custody Seals		Yes	No	Temperature Reading																																													
Total Containers				Corrected Temperature																																													
Sample Identification	Date	Time	Soil	Water	Grab/Comp																																												
S-3 (0-3")	4/20/2023		X		G	1	X	X																																									
S-3 (0-5')	4/20/2023		X		G	1	X	X																																									
S-3 (1')	4/20/2023		X		G	1	X	X																																									
S-3 (1-5')	4/20/2023		X		G	1	X	X																																									
S-3 (2')	4/20/2023		X		G	1	X	X																																									
<div style="text-align: right;">Loc: 880 27463</div>																																																	

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	4/21/23		
	9:42		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-27463-1

SDG Number: Lea County, NM

Login Number: 27463

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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

1

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14

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/24/2023 2:23:35 PM

JOB DESCRIPTION

Redbull 35 Fed 1 Flare Fire (04.13.23)
SDG NUMBER Lea County, NM

JOB NUMBER

880-27462-1

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
4/24/2023 2:23:35 PM

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

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Laboratory Job ID: 880-27462-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-27462-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Job ID: 880-27462-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-27462-1

Receipt

The samples were received on 4/21/2023 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0.5') (880-27462-1), H-2 (0.5') (880-27462-2), H-3 (0.5') (880-27462-3), H-4 (0.5') (880-27462-4) and H-5 (0.5') (880-27462-5).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-51687 and analytical batch 880-51662 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-27463-A-1-C MS). 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.

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Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-1 (0.5')

Lab Sample ID: 880-27462-1

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 12:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 12:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 12:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 12:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 12:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/21/23 10:24	04/21/23 12:49	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/21/23 10:24	04/21/23 12:49	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			04/21/23 15:17	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			04/24/23 12:42	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		04/21/23 10:29	04/21/23 17:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 17:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/21/23 10:29	04/21/23 17:39	1
o-Terphenyl	120		70 - 130	04/21/23 10:29	04/21/23 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	533		24.9		mg/Kg			04/22/23 23:12	5

Client Sample ID: H-2 (0.5')

Lab Sample ID: 880-27462-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 13:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 13:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 13:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 13:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 13:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 10:24	04/21/23 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/21/23 10:24	04/21/23 13:09	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/21/23 10:24	04/21/23 13:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-2 (0.5')

Lab Sample ID: 880-27462-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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			04/21/23 15:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6330		249		mg/Kg			04/24/23 15:14	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	<249	U	249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
Diesel Range Organics (Over C10-C28)	5240		249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
Oil Range Organics (Over C28-C36)	1090		249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				04/21/23 10:29	04/21/23 19:07	5
o-Terphenyl	114		70 - 130				04/21/23 10:29	04/21/23 19:07	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	961		49.5		mg/Kg			04/22/23 23:26	10

Client Sample ID: H-3 (0.5')

Lab Sample ID: 880-27462-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 13:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 13:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				04/21/23 10:24	04/21/23 13:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130				04/21/23 10:24	04/21/23 13:30	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			04/21/23 15:17	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			04/24/23 12:42	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		04/21/23 10:29	04/21/23 18:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-3 (0.5')

Lab Sample ID: 880-27462-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:29	04/21/23 18:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				04/21/23 10:29	04/21/23 18:01	1
o-Terphenyl	123		70 - 130				04/21/23 10:29	04/21/23 18:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	739		50.1		mg/Kg			04/22/23 23:30	10

Client Sample ID: H-4 (0.5')

Lab Sample ID: 880-27462-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 13:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 13:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:24	04/21/23 13:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 10:24	04/21/23 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				04/21/23 10:24	04/21/23 13:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130				04/21/23 10:24	04/21/23 13:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/21/23 15:17	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			04/24/23 12:42	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		04/21/23 10:29	04/21/23 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				04/21/23 10:29	04/21/23 18:23	1
o-Terphenyl	109		70 - 130				04/21/23 10:29	04/21/23 18:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.4		4.97		mg/Kg			04/22/23 23:35	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-5 (0.5')

Lab Sample ID: 880-27462-5

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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		04/21/23 10:24	04/21/23 14:11	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:11	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:11	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 14:11	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/21/23 10:24	04/21/23 14:11	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/21/23 10:24	04/21/23 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/21/23 10:24	04/21/23 14:11	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/21/23 10:24	04/21/23 14:11	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			04/21/23 15:17	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			04/24/23 15:14	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		04/21/23 10:29	04/21/23 18:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/21/23 10:29	04/21/23 18:45	1
o-Terphenyl	122		70 - 130	04/21/23 10:29	04/21/23 18:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		5.05		mg/Kg			04/24/23 12:30	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
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)
880-27411-A-1-B MS	Matrix Spike	109	112
880-27411-A-1-C MSD	Matrix Spike Duplicate	110	109
880-27462-1	H-1 (0.5')	112	104
880-27462-2	H-2 (0.5')	106	107
880-27462-3	H-3 (0.5')	111	102
880-27462-4	H-4 (0.5')	91	90
880-27462-5	H-5 (0.5')	113	93
LCS 880-51686/1-A	Lab Control Sample	121	113
LCSD 880-51686/2-A	Lab Control Sample Dup	110	113
MB 880-51686/5-A	Method Blank	98	96

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)
880-27462-1	H-1 (0.5')	102	120
880-27462-2	H-2 (0.5')	106	114
880-27462-3	H-3 (0.5')	105	123
880-27462-4	H-4 (0.5')	96	109
880-27462-5	H-5 (0.5')	103	122
880-27463-A-1-C MS	Matrix Spike	137 S1+	131 S1+
880-27463-A-1-D MSD	Matrix Spike Duplicate	121	119
LCS 880-51687/2-A	Lab Control Sample	109	126
LCSD 880-51687/3-A	Lab Control Sample Dup	108	127
MB 880-51687/1-A	Method Blank	129	163 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51686/5-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	04/21/23 10:18	04/21/23 12:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/21/23 10:18	04/21/23 12:00	1

Lab Sample ID: LCS 880-51686/1-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08751		mg/Kg		88	70 - 130
Toluene	0.100	0.08558		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08210		mg/Kg		82	70 - 130
m-Xylene & p-Xylene	0.200	0.1664		mg/Kg		83	70 - 130
o-Xylene	0.100	0.08650		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: LCSD 880-51686/2-A

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09393		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.09198		mg/Kg		92	70 - 130	7	35
Ethylbenzene	0.100	0.08824		mg/Kg		88	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1787		mg/Kg		89	70 - 130	7	35
o-Xylene	0.100	0.08933		mg/Kg		89	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-27411-A-1-B MS

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.07915		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.0998	0.07749		mg/Kg		76	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

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

Lab Sample ID: 880-27411-A-1-B MS

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.07415		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1490		mg/Kg		75	70 - 130
o-Xylene	<0.00200	U	0.0998	0.07528		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-27411-A-1-C MSD

Matrix: Solid

Analysis Batch: 51664

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08190		mg/Kg		83	70 - 130	3	35
Toluene	<0.00200	U	0.0990	0.08003		mg/Kg		80	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.0990	0.07668		mg/Kg		77	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1542		mg/Kg		78	70 - 130	3	35
o-Xylene	<0.00200	U	0.0990	0.07733		mg/Kg		78	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-51687/1-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51687

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		04/21/23 08:00	04/21/23 08:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130	04/21/23 08:00	04/21/23 08:19	1
o-Terphenyl	163	S1+	70 - 130	04/21/23 08:00	04/21/23 08:19	1

Lab Sample ID: LCS 880-51687/2-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	941.4		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	919.4		mg/Kg		92	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-51687/2-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51687

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: LCSD 880-51687/3-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	909.2		mg/Kg		91	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	903.4		mg/Kg		90	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 880-27463-A-1-C MS

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1096		mg/Kg		110	70 - 130
Diesel Range Organics (Over C10-C28)	5880		998	7088	4	mg/Kg		121	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: 880-27463-A-1-D MSD

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51687

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	979.3		mg/Kg		98	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	5880		997	6117	4	mg/Kg		24	70 - 130	15	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	119		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources

Job ID: 880-27462-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51737/1-A

Matrix: Solid

Analysis Batch: 51816

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			04/22/23 22:58	1

Lab Sample ID: LCS 880-51737/2-A

Matrix: Solid

Analysis Batch: 51816

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-51737/3-A

Matrix: Solid

Analysis Batch: 51816

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	245.5		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 880-27462-1 MS

Matrix: Solid

Analysis Batch: 51816

Client Sample ID: H-1 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	533		1250	1815		mg/Kg		103	90 - 110

Lab Sample ID: 880-27462-1 MSD

Matrix: Solid

Analysis Batch: 51816

Client Sample ID: H-1 (0.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	533		1250	1898		mg/Kg		110	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
 SDG: Lea County, NM

GC VOA

Analysis Batch: 51664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	8021B	51686
880-27462-2	H-2 (0.5')	Total/NA	Solid	8021B	51686
880-27462-3	H-3 (0.5')	Total/NA	Solid	8021B	51686
880-27462-4	H-4 (0.5')	Total/NA	Solid	8021B	51686
880-27462-5	H-5 (0.5')	Total/NA	Solid	8021B	51686
MB 880-51686/5-A	Method Blank	Total/NA	Solid	8021B	51686
LCS 880-51686/1-A	Lab Control Sample	Total/NA	Solid	8021B	51686
LCSD 880-51686/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51686
880-27411-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	51686
880-27411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	51686

Prep Batch: 51686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	5035	
880-27462-2	H-2 (0.5')	Total/NA	Solid	5035	
880-27462-3	H-3 (0.5')	Total/NA	Solid	5035	
880-27462-4	H-4 (0.5')	Total/NA	Solid	5035	
880-27462-5	H-5 (0.5')	Total/NA	Solid	5035	
MB 880-51686/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51686/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51686/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27411-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-27411-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 51753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	Total BTEX	
880-27462-2	H-2 (0.5')	Total/NA	Solid	Total BTEX	
880-27462-3	H-3 (0.5')	Total/NA	Solid	Total BTEX	
880-27462-4	H-4 (0.5')	Total/NA	Solid	Total BTEX	
880-27462-5	H-5 (0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 51662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	8015B NM	51687
880-27462-2	H-2 (0.5')	Total/NA	Solid	8015B NM	51687
880-27462-3	H-3 (0.5')	Total/NA	Solid	8015B NM	51687
880-27462-4	H-4 (0.5')	Total/NA	Solid	8015B NM	51687
880-27462-5	H-5 (0.5')	Total/NA	Solid	8015B NM	51687
MB 880-51687/1-A	Method Blank	Total/NA	Solid	8015B NM	51687
LCS 880-51687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	51687
LCSD 880-51687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	51687
880-27463-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	51687
880-27463-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	51687

Prep Batch: 51687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	8015NM Prep	
880-27462-2	H-2 (0.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources

Job ID: 880-27462-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

GC Semi VOA (Continued)

Prep Batch: 51687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-3	H-3 (0.5')	Total/NA	Solid	8015NM Prep	
880-27462-4	H-4 (0.5')	Total/NA	Solid	8015NM Prep	
880-27462-5	H-5 (0.5')	Total/NA	Solid	8015NM Prep	
MB 880-51687/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-51687/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-51687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27463-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-27463-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 51850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Total/NA	Solid	8015 NM	
880-27462-2	H-2 (0.5')	Total/NA	Solid	8015 NM	
880-27462-3	H-3 (0.5')	Total/NA	Solid	8015 NM	
880-27462-4	H-4 (0.5')	Total/NA	Solid	8015 NM	
880-27462-5	H-5 (0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 51737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Soluble	Solid	DI Leach	
880-27462-2	H-2 (0.5')	Soluble	Solid	DI Leach	
880-27462-3	H-3 (0.5')	Soluble	Solid	DI Leach	
880-27462-4	H-4 (0.5')	Soluble	Solid	DI Leach	
880-27462-5	H-5 (0.5')	Soluble	Solid	DI Leach	
MB 880-51737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27462-1 MS	H-1 (0.5')	Soluble	Solid	DI Leach	
880-27462-1 MSD	H-1 (0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 51816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27462-1	H-1 (0.5')	Soluble	Solid	300.0	51737
880-27462-2	H-2 (0.5')	Soluble	Solid	300.0	51737
880-27462-3	H-3 (0.5')	Soluble	Solid	300.0	51737
880-27462-4	H-4 (0.5')	Soluble	Solid	300.0	51737
880-27462-5	H-5 (0.5')	Soluble	Solid	300.0	51737
MB 880-51737/1-A	Method Blank	Soluble	Solid	300.0	51737
LCS 880-51737/2-A	Lab Control Sample	Soluble	Solid	300.0	51737
LCSD 880-51737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51737
880-27462-1 MS	H-1 (0.5')	Soluble	Solid	300.0	51737
880-27462-1 MSD	H-1 (0.5')	Soluble	Solid	300.0	51737

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-1 (0.5')

Lab Sample ID: 880-27462-1

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51753	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51850	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 17:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	51816	04/22/23 23:12	SMC	EET MID

Client Sample ID: H-2 (0.5')

Lab Sample ID: 880-27462-2

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51753	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51850	04/24/23 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	51662	04/21/23 19:07	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51816	04/22/23 23:26	SMC	EET MID

Client Sample ID: H-3 (0.5')

Lab Sample ID: 880-27462-3

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51753	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51850	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 18:01	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	51816	04/22/23 23:30	SMC	EET MID

Client Sample ID: H-4 (0.5')

Lab Sample ID: 880-27462-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51753	04/21/23 15:17	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Client Sample ID: H-4 (0.5')

Lab Sample ID: 880-27462-4

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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			51850	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 18:23	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/22/23 23:35	SMC	EET MID

Client Sample ID: H-5 (0.5')

Lab Sample ID: 880-27462-5

Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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	51686	04/21/23 10:24	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51664	04/21/23 14:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51753	04/21/23 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			51850	04/24/23 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51687	04/21/23 10:29	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/21/23 18:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	51737	04/21/23 14:31	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	51816	04/24/23 12:30	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources

Job ID: 880-27462-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-27462-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-27462-1	H-1 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27462-2	H-2 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27462-3	H-3 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27462-4	H-4 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42
880-27462-5	H-5 (0.5')	Solid	04/20/23 00:00	04/21/23 09:42

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



Page 1 of 1

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



880-27462 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
	4/21/23		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-27462-1
SDG Number: Lea County, NM

Login Number: 27462

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

May 18, 2023

MIKE CARMONA

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: REDBULL 35 FED 1 FLARE FIRE (04.13.23)

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 1 (3') (H232485-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEX	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	240	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	175	87.5	200	4.95	
DRO >C10-C28*	1120	10.0	05/18/2023	ND	183	91.6	200	6.65	
EXT DRO >C28-C36	268	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 179 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 2 (3') (H232485-02)

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	05/17/2023	ND	2.21	111	2.00	16.2	GC-NC1	
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	0.286	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTX	<0.300	0.300	05/17/2023	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	400	16.0	05/18/2023	ND	432	108	400	7.69		

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*	23.8	10.0	05/18/2023	ND	175	87.5	200	4.95	
DRO >C10-C28*	2050	10.0	05/18/2023	ND	183	91.6	200	6.65	
EXT DRO >C28-C36	415	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 196 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 3 (1.5') (H232485-03)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	175	87.5	200	4.95	
DRO >C10-C28*	28.7	10.0	05/18/2023	ND	183	91.6	200	6.65	
EXT DRO >C28-C36	39.9	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 115 % 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
 MIKE CARMONA
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 4 (1.5') (H232485-04)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	175	87.5	200	4.95	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	183	91.6	200	6.65	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: CS - 5 (1.5') (H232485-05)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 1 (3') (H232485-06)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 2 (3') (H232485-07)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEX	<0.300	0.300	05/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 3 (3') (H232485-08)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEX	<0.300	0.300	05/17/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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
 MIKE CARMONA
 310 W WALL ST SUITE 415
 MIDLAND TX, 79701
 Fax To:

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 4 (3') (H232485-09)

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	05/17/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/17/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/17/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/17/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 5 (1.5') (H232485-10)

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	05/18/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/18/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 6 (1.5') (H232485-11)

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	05/18/2023	ND	2.21	111	2.00	16.2	
Toluene*	<0.050	0.050	05/18/2023	ND	2.24	112	2.00	14.6	
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.15	108	2.00	13.7	
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.71	112	6.00	13.7	
Total BTEx	<0.300	0.300	05/18/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 7 (1.5') (H232485-12)

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	05/18/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/18/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/17/2023
Reported:	05/18/2023	Sampling Type:	Soil
Project Name:	REDBULL 35 FED 1 FLARE FIRE (04.13.2	Sampling Condition:	Cool & Intact
Project Number:	2013	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: SW - 8 (1.5') (H232485-13)

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	05/18/2023	ND	2.21	111	2.00	16.2		
Toluene*	<0.050	0.050	05/18/2023	ND	2.24	112	2.00	14.6		
Ethylbenzene*	<0.050	0.050	05/18/2023	ND	2.15	108	2.00	13.7		
Total Xylenes*	<0.150	0.150	05/18/2023	ND	6.71	112	6.00	13.7		
Total BTEx	<0.300	0.300	05/18/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/18/2023	ND	432	108	400	7.69		

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	05/18/2023	ND	180	90.0	200	1.20	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	170	84.9	200	2.20	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H232485

Page 16 of 17

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

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

Project Name:	Redbull 35 Fed 1 Flare Fire (04.13.23)	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	2013																None: NO DI Water: H ₂ O	
Project Location:	Lee County, NM	Due Date:	24 Hrs														Cool: Cool MeOH: Me	
Sampler's Name:	KGB																HCL: HC HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn	
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
CS-1 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
CS-2 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
CS-3 (1.5')	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
CS-4 (1.5')	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
CS-5 (1.5')	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
SW-1 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
SW-2 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
SW-3 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
SW-4 (3)	5/17/2023		X		C	1	X	X	X	X	X	X	X	X	X	X	X		
SW-5 (1.5')	5/17/2023		X		C	1	X	X	X	X	X	X	X	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>Conner Moehring</i>	5/17/23 1600	<i>Mike Carmona</i>	

Work Order No.:

H232485

Page 2 of 2

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> RP <input type="checkbox"/> crownfields <input type="checkbox"/> RC <input type="checkbox"/> \$perfund <input type="checkbox"/>
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

[illegible]

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

Date/Time



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/19/2023 3:38:56 PM

JOB DESCRIPTION

Redbull 35 Fed 1 Flare Fire (04.13.23)
SDG NUMBER Lea County, NM

JOB NUMBER

880-28597-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

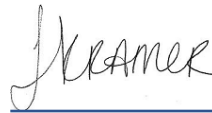
Eurofins Midland

Job Notes

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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
5/19/2023 3:38:56 PM

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

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Laboratory Job ID: 880-28597-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources

Job ID: 880-28597-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Job ID: 880-28597-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-28597-1
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Receipt

The samples were received on 5/18/2023 4:42 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 15.1°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar.

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53720 and analytical batch 880-53715 was outside the upper control limits.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Client Sample ID: CS-1 (3.5')

Lab Sample ID: 880-28597-1

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/18/23 16:42

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		05/18/23 16:48	05/19/23 11:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/18/23 16:48	05/19/23 11:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/18/23 16:48	05/19/23 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/18/23 16:48	05/19/23 11:33	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/18/23 16:48	05/19/23 11:33	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			05/19/23 14:56	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			05/19/23 12:47	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		05/19/23 07:57	05/19/23 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	05/19/23 07:57	05/19/23 11:17	1
o-Terphenyl	90		70 - 130	05/19/23 07:57	05/19/23 11:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.5		5.01		mg/Kg			05/19/23 12:22	1

Client Sample ID: CS-2 (3.5')

Lab Sample ID: 880-28597-2

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/18/23 16:42

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		05/18/23 16:48	05/19/23 11:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/23 16:48	05/19/23 11:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/23 16:48	05/19/23 11:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/18/23 16:48	05/19/23 11:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/18/23 16:48	05/19/23 11:54	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Client Sample ID: CS-2 (3.5')

Lab Sample ID: 880-28597-2

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/18/23 16:42

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/19/23 14:56	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			05/19/23 12:47	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		05/19/23 07:57	05/19/23 12:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/19/23 07:57	05/19/23 12:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/23 07:57	05/19/23 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/19/23 07:57	05/19/23 12:20	1
o-Terphenyl	90		70 - 130				05/19/23 07:57	05/19/23 12:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.5		4.97		mg/Kg			05/19/23 12:38	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
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)
880-28597-1	CS-1 (3.5')	108	93
880-28597-1 MS	CS-1 (3.5')	118	109
880-28597-1 MSD	CS-1 (3.5')	90	117
880-28597-2	CS-2 (3.5')	112	95
LCS 880-53707/1-A	Lab Control Sample	109	111
LCSD 880-53707/2-A	Lab Control Sample Dup	114	113
MB 880-53707/5-A	Method Blank	70	86
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)
880-28597-1	CS-1 (3.5')	88	90
880-28597-1 MS	CS-1 (3.5')	90	82
880-28597-1 MSD	CS-1 (3.5')	89	80
880-28597-2	CS-2 (3.5')	89	90
LCS 880-53720/2-A	Lab Control Sample	72	71
LCSD 880-53720/3-A	Lab Control Sample Dup	77	74
MB 880-53720/1-A	Method Blank	160 S1+	171 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53707/5-A

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53707

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/18/23 16:48	05/19/23 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/18/23 16:48	05/19/23 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	05/18/23 16:48	05/19/23 11:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/18/23 16:48	05/19/23 11:11	1

Lab Sample ID: LCS 880-53707/1-A

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53707

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1244		mg/Kg		124	70 - 130
Toluene	0.100	0.1051		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1088		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2307		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1149		mg/Kg		115	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-53707/2-A

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53707

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1269		mg/Kg		127	70 - 130	2	35
Toluene	0.100	0.1180		mg/Kg		118	70 - 130	12	35
Ethylbenzene	0.100	0.1192		mg/Kg		119	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2533		mg/Kg		127	70 - 130	9	35
o-Xylene	0.100	0.1265		mg/Kg		127	70 - 130	10	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 880-28597-1 MS

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53707

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0990	0.1088		mg/Kg		110	70 - 130
Toluene	<0.00200	U	0.0990	0.09163		mg/Kg		93	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28597-1 MS

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53707

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0990	0.09878		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2031		mg/Kg		103	70 - 130
o-Xylene	<0.00200	U	0.0990	0.1025		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-28597-1 MSD

Matrix: Solid

Analysis Batch: 53724

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53707

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0992	0.1102		mg/Kg		111	70 - 130	1	35
Toluene	<0.00200	U	0.0992	0.08210		mg/Kg		83	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.0992	0.07490		mg/Kg		75	70 - 130	28	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1460		mg/Kg		74	70 - 130	33	35
o-Xylene	<0.00200	U	0.0992	0.07384		mg/Kg		74	70 - 130	32	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

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

Lab Sample ID: MB 880-53720/1-A

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53720

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		05/19/23 07:57	05/19/23 08:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 08:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 08:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130	05/19/23 07:57	05/19/23 08:23	1
o-Terphenyl	171	S1+	70 - 130	05/19/23 07:57	05/19/23 08:23	1

Lab Sample ID: LCS 880-53720/2-A

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53720

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	862.7		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	823.8		mg/Kg		82	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53720/2-A

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53720

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: LCSD 880-53720/3-A

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53720

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	773.4		mg/Kg		77	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	1000	807.4		mg/Kg		81	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	74		70 - 130

Lab Sample ID: 880-28597-1 MS

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53720

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	<50.0	U	999	881.1		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	936.4		mg/Kg		91	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-28597-1 MSD

Matrix: Solid

Analysis Batch: 53715

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53720

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	951.5		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	915.9		mg/Kg		89	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	80		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53737/1-A

Matrix: Solid

Analysis Batch: 53773

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			05/19/23 12:06	1

Lab Sample ID: LCS 880-53737/2-A

Matrix: Solid

Analysis Batch: 53773

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-53737/3-A

Matrix: Solid

Analysis Batch: 53773

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	254.0		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-28597-1 MS

Matrix: Solid

Analysis Batch: 53773

Client Sample ID: CS-1 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	43.5		251	300.4		mg/Kg		103	90 - 110

Lab Sample ID: 880-28597-1 MSD

Matrix: Solid

Analysis Batch: 53773

Client Sample ID: CS-1 (3.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	43.5		251	301.0		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

GC VOA

Prep Batch: 53707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	5035	
880-28597-2	CS-2 (3.5')	Total/NA	Solid	5035	
MB 880-53707/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53707/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53707/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-28597-1 MS	CS-1 (3.5')	Total/NA	Solid	5035	
880-28597-1 MSD	CS-1 (3.5')	Total/NA	Solid	5035	

Analysis Batch: 53724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	8021B	53707
880-28597-2	CS-2 (3.5')	Total/NA	Solid	8021B	53707
MB 880-53707/5-A	Method Blank	Total/NA	Solid	8021B	53707
LCS 880-53707/1-A	Lab Control Sample	Total/NA	Solid	8021B	53707
LCSD 880-53707/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53707
880-28597-1 MS	CS-1 (3.5')	Total/NA	Solid	8021B	53707
880-28597-1 MSD	CS-1 (3.5')	Total/NA	Solid	8021B	53707

Analysis Batch: 53786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	Total BTEX	
880-28597-2	CS-2 (3.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 53715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	8015B NM	53720
880-28597-2	CS-2 (3.5')	Total/NA	Solid	8015B NM	53720
MB 880-53720/1-A	Method Blank	Total/NA	Solid	8015B NM	53720
LCS 880-53720/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53720
LCSD 880-53720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53720
880-28597-1 MS	CS-1 (3.5')	Total/NA	Solid	8015B NM	53720
880-28597-1 MSD	CS-1 (3.5')	Total/NA	Solid	8015B NM	53720

Prep Batch: 53720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-28597-2	CS-2 (3.5')	Total/NA	Solid	8015NM Prep	
MB 880-53720/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53720/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53720/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28597-1 MS	CS-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-28597-1 MSD	CS-1 (3.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Total/NA	Solid	8015 NM	
880-28597-2	CS-2 (3.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 53737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Soluble	Solid	DI Leach	
880-28597-2	CS-2 (3.5')	Soluble	Solid	DI Leach	
MB 880-53737/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53737/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53737/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28597-1 MS	CS-1 (3.5')	Soluble	Solid	DI Leach	
880-28597-1 MSD	CS-1 (3.5')	Soluble	Solid	DI Leach	

Analysis Batch: 53773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28597-1	CS-1 (3.5')	Soluble	Solid	300.0	53737
880-28597-2	CS-2 (3.5')	Soluble	Solid	300.0	53737
MB 880-53737/1-A	Method Blank	Soluble	Solid	300.0	53737
LCS 880-53737/2-A	Lab Control Sample	Soluble	Solid	300.0	53737
LCSD 880-53737/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53737
880-28597-1 MS	CS-1 (3.5')	Soluble	Solid	300.0	53737
880-28597-1 MSD	CS-1 (3.5')	Soluble	Solid	300.0	53737

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Client Sample ID: CS-1 (3.5')

Lab Sample ID: 880-28597-1

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/18/23 16:42

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	53707	05/18/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53724	05/19/23 11:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53786	05/19/23 14:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			53779	05/19/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53720	05/19/23 07:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53715	05/19/23 11:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53737	05/19/23 09:29	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53773	05/19/23 12:22	CH	EET MID

Client Sample ID: CS-2 (3.5')

Lab Sample ID: 880-28597-2

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/18/23 16:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	53707	05/18/23 16:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53724	05/19/23 11:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53786	05/19/23 14:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			53779	05/19/23 12:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53720	05/19/23 07:57	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53715	05/19/23 12:20	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53737	05/19/23 09:29	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53773	05/19/23 12:38	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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28597-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28597-1	CS-1 (3.5')	Solid	05/18/23 00:00	05/18/23 16:42
880-28597-2	CS-2 (3.5')	Solid	05/18/23 00:00	05/18/23 16:42

- 1
- 2
- 3
- 4
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- 7
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- 11
- 12
- 13
- 14

Work Order No: 28597

Page 1 of 1

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

Project Name		Redbull 35 Fed 1 Flare Fire (04.13.23)		Turn Around		Pres. Code	
Project Number		2013		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			
Project Location		Lea County, NM		Due Date		24 Hrs	
Sampler's Name		KGB					
PO #							

SAMPLE RECEIPT		Temp Blank		Yes No		Wet Ice		Yes No	
Received Intact		(Yes) No		(Yes) No		Thermometer ID		5.20	
Cooler Custody Seals		Yes No		(N/A)		Correction Factor		15.4	
Sample Custody Seals		Yes No		(N/A)		Temperature Reading		15.4	
Total Containers						Corrected Temperature		15.1	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
CS-1 (3 5')	5/18/2023		X		C	1				None NO
CS-2 (3 5')	5/18/2023		X		C	1				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

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

Signature		Date/Time	
5/18/2023		5/18/2023	

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28597-1

SDG Number: Lea County, NM

Login Number: 28597

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	Received same day of collection; chilling process has begun.
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: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/23/2023 9:33:42 AM

JOB DESCRIPTION

Redbull 35 Fed 1 Flare Fire (04.13.23)
SDG NUMBER Lea County, NM

JOB NUMBER

880-28668-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

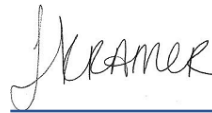
Eurofins Midland

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
5/23/2023 9:33:42 AM

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

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Laboratory Job ID: 880-28668-1
SDG: Lea County, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

Job ID: 880-28668-1

Laboratory: Eurofins Midland

Narrative**Job Narrative
880-28668-1****Receipt**

The samples were received on 5/22/2023 3:28 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 2.9°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-2 (0-0.5') (880-28668-1) and H-3 (0-0.5') (880-28668-2).

GC VOA

Method 8021B: The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery for preparation batch 880-53609 and analytical batch 880-53830 was outside control limits for the following analyte(s): Benzene. Results may be biased high because this analyte is a common laboratory solvent and contaminant.

Method 8021B: Surrogate recovery for the following samples were outside control limits: H-2 (0-0.5') (880-28668-1), H-3 (0-0.5') (880-28668-2) and (890-4669-A-1-G). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-4669-A-1-E MS). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53877 and analytical batch 880-53824 was outside the upper control limits.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-53877 and analytical batch 880-53824 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28668-1

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/22/23 15:28

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		05/22/23 15:42	05/22/23 21:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/22/23 15:42	05/22/23 21:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/22/23 15:42	05/22/23 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	05/22/23 15:42	05/22/23 21:26	1
1,4-Difluorobenzene (Surr)	78		70 - 130	05/22/23 15:42	05/22/23 21:26	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			05/23/23 09:03	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			05/23/23 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		05/22/23 15:45	05/22/23 19:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/23 15:45	05/22/23 19:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/23 15:45	05/22/23 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/22/23 15:45	05/22/23 19:01	1
o-Terphenyl	101		70 - 130	05/22/23 15:45	05/22/23 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.1		5.04		mg/Kg			05/22/23 20:38	1

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

Lab Sample ID: 880-28668-2

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/22/23 15:28

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		05/22/23 15:42	05/22/23 21:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/22/23 15:42	05/22/23 21:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/22/23 15:42	05/22/23 21:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/22/23 15:42	05/22/23 21:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/22/23 15:42	05/22/23 21:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/22/23 15:42	05/22/23 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130	05/22/23 15:42	05/22/23 21:52	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/22/23 15:42	05/22/23 21:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

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

Lab Sample ID: 880-28668-2

Date Collected: 05/18/23 00:00

Matrix: Solid

Date Received: 05/22/23 15:28

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			05/23/23 09:03	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			05/23/23 08:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		05/22/23 15:45	05/22/23 19:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/22/23 15:45	05/22/23 19:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/22/23 15:45	05/22/23 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				05/22/23 15:45	05/22/23 19:22	1
o-Terphenyl	99		70 - 130				05/22/23 15:45	05/22/23 19:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.01		mg/Kg			05/22/23 20:44	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
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)
880-28668-1	H-2 (0-0.5')	155 S1+	78
880-28668-2	H-3 (0-0.5')	157 S1+	82
890-4669-A-1-E MS	Matrix Spike	132 S1+	92
890-4669-A-1-F MSD	Matrix Spike Duplicate	113	87
LCS 880-53609/1-A	Lab Control Sample	107	90
LCSD 880-53609/2-A	Lab Control Sample Dup	101	79
MB 880-53609/5-A	Method Blank	85	82
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)
880-28668-1	H-2 (0-0.5')	98	101
880-28668-2	H-3 (0-0.5')	95	99
890-4695-A-1-B MS	Matrix Spike	101	90
890-4695-A-1-C MSD	Matrix Spike Duplicate	96	84
LCS 880-53877/2-A	Lab Control Sample	85	83
LCSD 880-53877/3-A	Lab Control Sample Dup	96	97
MB 880-53877/1-A	Method Blank	161 S1+	175 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53609/5-A

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/17/23 15:42	05/22/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/17/23 15:42	05/22/23 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	05/17/23 15:42	05/22/23 11:52	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/17/23 15:42	05/22/23 11:52	1

Lab Sample ID: LCS 880-53609/1-A

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1272		mg/Kg		127	70 - 130
Toluene	0.100	0.1152		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1144		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2419		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-53609/2-A

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53609

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1212		mg/Kg		121	70 - 130	5	35
Toluene	0.100	0.1074		mg/Kg		107	70 - 130	7	35
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2266		mg/Kg		113	70 - 130	7	35
o-Xylene	0.100	0.1095		mg/Kg		109	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	79		70 - 130

Lab Sample ID: 890-4669-A-1-E MS

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.0992	0.1399	F1	mg/Kg		141	70 - 130
Toluene	<0.00200	U	0.0992	0.1207		mg/Kg		122	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

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

Lab Sample ID: 890-4669-A-1-E MS

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53609

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0992	0.1074		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2236		mg/Kg		113	70 - 130
o-Xylene	<0.00200	U	0.0992	0.1099		mg/Kg		111	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	92		70 - 130						

Lab Sample ID: 890-4669-A-1-F MSD

Matrix: Solid

Analysis Batch: 53830

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53609

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0990	0.1225		mg/Kg		124	70 - 130	13	35
Toluene	<0.00200	U	0.0990	0.09770		mg/Kg		99	70 - 130	21	35
Ethylbenzene	<0.00200	U	0.0990	0.09780		mg/Kg		99	70 - 130	9	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2045		mg/Kg		103	70 - 130	9	35
o-Xylene	<0.00200	U	0.0990	0.09723		mg/Kg		98	70 - 130	12	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	87		70 - 130								

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

Lab Sample ID: MB 880-53877/1-A

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53877

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		05/22/23 10:14	05/22/23 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/22/23 10:14	05/22/23 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/23 10:14	05/22/23 11:17	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130				05/22/23 10:14	05/22/23 11:17	1
o-Terphenyl	175	S1+	70 - 130				05/22/23 10:14	05/22/23 11:17	1

Lab Sample ID: LCS 880-53877/2-A

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	936.1		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1017		mg/Kg		102	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

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

Lab Sample ID: LCS 880-53877/2-A

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53877

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: LCSD 880-53877/3-A

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1169	*1	mg/Kg		117	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-4695-A-1-B MS

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53877

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 *1	998	974.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1101		mg/Kg		108	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-4695-A-1-C MSD

Matrix: Solid

Analysis Batch: 53824

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 53877

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 *1	999	1003		mg/Kg		98	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1032		mg/Kg		101	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Carmona Resources

Job ID: 880-28668-1

Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53784/1-A

Matrix: Solid

Analysis Batch: 53793

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			05/22/23 18:14	1

Lab Sample ID: LCS 880-53784/2-A

Matrix: Solid

Analysis Batch: 53793

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.0		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-53784/3-A

Matrix: Solid

Analysis Batch: 53793

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	254.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-28618-A-1-C MS

Matrix: Solid

Analysis Batch: 53793

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	56.0		248	298.6		mg/Kg		98	90 - 110

Lab Sample ID: 880-28618-A-1-E MSD

Matrix: Solid

Analysis Batch: 53793

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	56.0		248	298.5		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

GC VOA

Prep Batch: 53609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	5035	
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	5035	
MB 880-53609/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53609/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53609/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4669-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-4669-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 53830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	8021B	53609
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	8021B	53609
MB 880-53609/5-A	Method Blank	Total/NA	Solid	8021B	53609
LCS 880-53609/1-A	Lab Control Sample	Total/NA	Solid	8021B	53609
LCSD 880-53609/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53609
890-4669-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	53609
890-4669-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	53609

Analysis Batch: 53965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 53824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	8015B NM	53877
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	8015B NM	53877
MB 880-53877/1-A	Method Blank	Total/NA	Solid	8015B NM	53877
LCS 880-53877/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53877
LCSD 880-53877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53877
890-4695-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	53877
890-4695-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53877

Prep Batch: 53877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-53877/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53877/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4695-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4695-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-28668-2	H-3 (0-0.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

HPLC/IC

Leach Batch: 53784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-28668-2	H-3 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-53784/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53784/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53784/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28618-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28618-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 53793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28668-1	H-2 (0-0.5')	Soluble	Solid	300.0	53784
880-28668-2	H-3 (0-0.5')	Soluble	Solid	300.0	53784
MB 880-53784/1-A	Method Blank	Soluble	Solid	300.0	53784
LCS 880-53784/2-A	Lab Control Sample	Soluble	Solid	300.0	53784
LCSD 880-53784/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53784
880-28618-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	53784
880-28618-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	53784

Lab Chronicle

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

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

Date Collected: 05/18/23 00:00

Date Received: 05/22/23 15:28

Lab Sample ID: 880-28668-1

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			5.03 g	5 mL	53609	05/22/23 15:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/22/23 21:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53965	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53952	05/23/23 08:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53877	05/22/23 15:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53824	05/22/23 19:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53784	05/22/23 17:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53793	05/22/23 20:38	CH	EET MID

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

Date Collected: 05/18/23 00:00

Date Received: 05/22/23 15:28

Lab Sample ID: 880-28668-2

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			5.01 g	5 mL	53609	05/22/23 15:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53830	05/22/23 21:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53965	05/23/23 09:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			53952	05/23/23 08:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53877	05/22/23 15:45	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53824	05/22/23 19:22	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53784	05/22/23 17:00	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53793	05/22/23 20:44	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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
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: Redbull 35 Fed 1 Flare Fire (04.13.23)

Job ID: 880-28668-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-28668-1	H-2 (0-0.5')	Solid	05/18/23 00:00	05/22/23 15:28
880-28668-2	H-3 (0-0.5')	Solid	05/18/23 00:00	05/22/23 15:28

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

Page 1 of 1

Work Order Comments



Program: ☐UST/☐PST ☐PRP ☐rownfields ☐RC ☐perfund ☐

State of Project:

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

Deliverables EDD ☐ADA/PT ☐Other ☐

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5/22/23 1528		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-28668-1
SDG Number: Lea County, NM

Login Number: 28668

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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

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

CONDITIONS

Action 222594

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 222594
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/18/2023