



#### 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

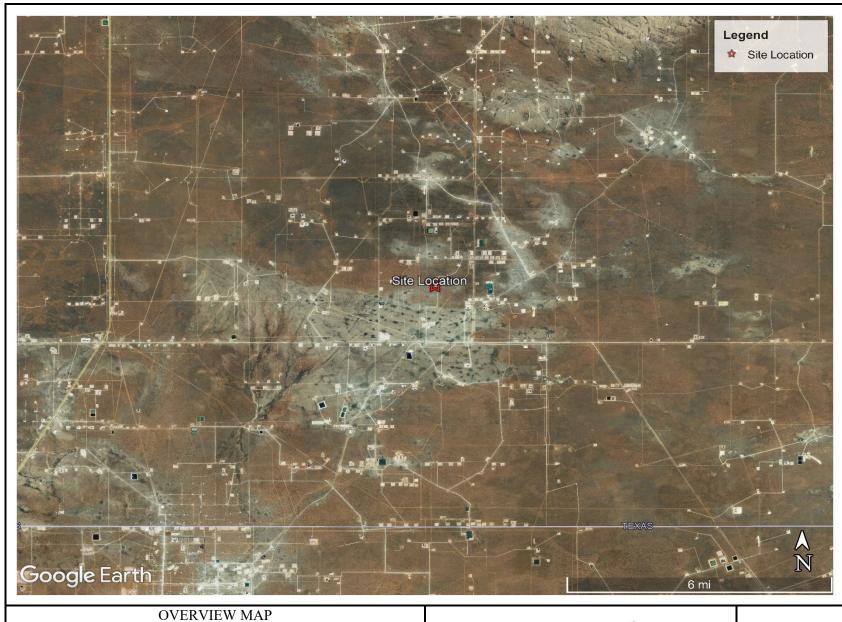
Mike Carmona

**Environmental Manager** 

Conner Moehring Sr. Project Manager

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

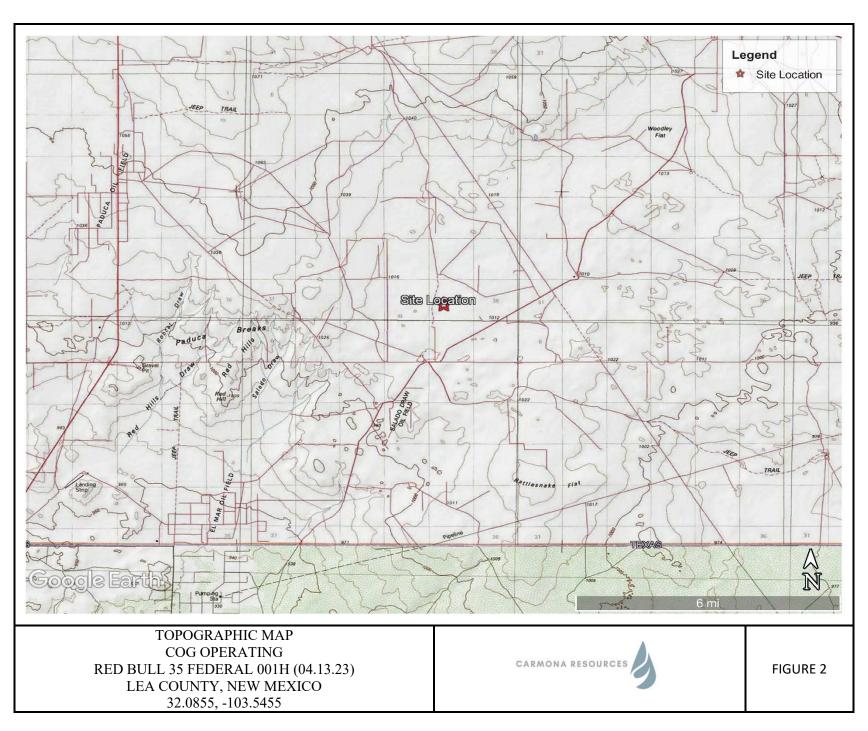
# **FIGURES**

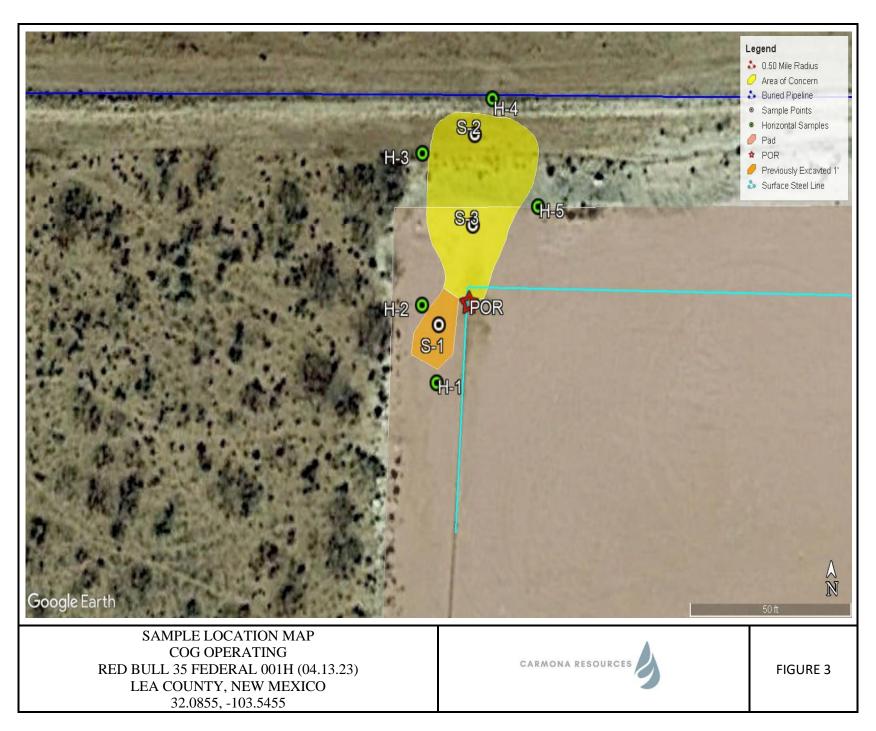


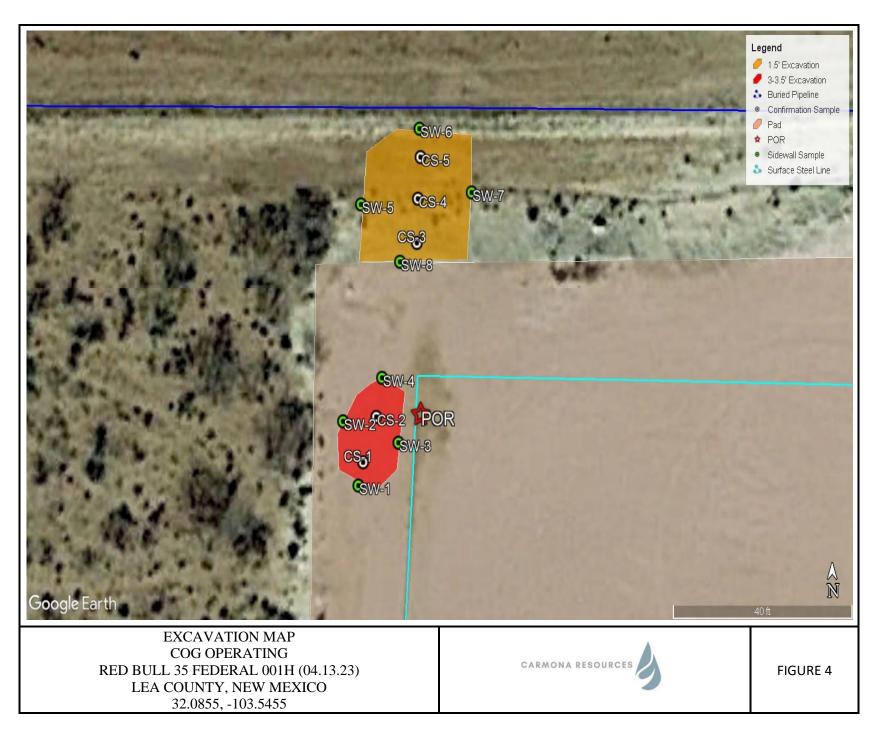
COG OPERATING
RED BULL 35 FEDERAL 001H (04.13.23)
LEA COUNTY, NEW MEXICO
32.0855, -103.5455



FIGURE 1







# **APPENDIX A**

Table 1 **COG Operating** Red Bull 35 Federal 001H (04.13.23) Lea County, New Mexico

CI- ID	D-1-	Davids (60)		ТРН	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	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
S-1	"	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
	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
S-2	"	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
	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
S-3	"	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
	4/20/2023	0.5	<249	5,240	1,090	6,330	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	961
H-2	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
11.0	4/20/2023	0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	739
H-3	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
Regulato	ry Criteria <sup>A</sup>		1,000	mg/kg		2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

<sup>A</sup> – 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

Comple ID	Date	Donath (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
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
00 1	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
C3-2	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
Regulato	ry Criteria <sup>A</sup>		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 Smaple
(SW) Sidewall Sample

Removed

# **APPENDIX B**

#### 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**

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 Nam	ie			Contact	Contact Telephone				
Contact emai	i1			Inciden	Incident # (assigned by OCD)				
Contact mail	ing address			<b>'</b>					
					~				
			Location	of Release	Source				
Latitude				Longitud	e				
			(NAD 83 in dec	cimal degrees to 5 de	ecimal places)				
Site Name				Site Typ	e				
Date Release	Discovered			API# (if	applicable)				
Unit Letter	Section	Township	Range	Co	ounty				
Ont Letter	Section	Township	Runge		, unity	-			
						_			
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (I	Name:		)			
			Nature and	d Volume o	f Release				
Crude Oil		l(s) Released (Select al Volume Release		calculations or spec	Volume Reco	e volumes provided below) overed (bbls)			
Produced	Water	Volume Release	` ,		Volume Reco	• • •			
			ion of dissolved c	chloride in the	Yes N	,			
		produced water							
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)			
Natural G	as	Volume Release	d (Mcf)		Volume Reco	overed (Mcf)			
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)				
Cause of Rele	ease								

Received by OCD: 6/1/2023.8833650/AMM State of New Mexico
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Incident ID	NAPP2311028982
District RP	
Facility ID	fAPP2203856699
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible j	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
public health or the environr failed to adequately investig	ment. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name		Title:
Signature:	tan Jopanne	Date:
email:		Telephone:
OCD Only		
Received by:Jocel	yn Harimon	Date:04/20/2022

Received by OCD: 6/1/2023 Convert Irregular shape into a series of rectangles	Length		Average Depth	On/Off Pad	Soil Spilled-Fluid Saturation	Estimated volume of each area	of Spill	Conta	stimated minated Soil,	NAPP2311028982 of 158 Current Rule of Thurnb - RMR Handover Volume,
g.cc	(10.)	(i.e.)	(in.)	(dropdown)	(%.)	(bbl.)	(bbl.)		npacted,	(yd <sup>3</sup> .)
							8	25%	(yd <sup>3</sup> .)	
Rectangle A	30.0	18.0	0.2	On-Pad~	10.50%	1.60	0.17		.42	
Rectangle B	35.0	18.0	0.1	Off-Pad >	15.02%	0.93	0.14		.24	
Rectangle C				~		0.00		0	.00	
Rectangle D				~		0.00			.00	
Rectangle E		, ,		~		0.00	N.	0	.00	750
Rectangle F				~		0.00	is is		.00	730
Rectangle G				~		0.00			.00	
Rectangle H				~		0.00	is is		.00	
Rectangle I				~		0.00	or.	0	.00	
Rectangle J.	2022 2410	05.0 CD 1.6.6		~		0.00	es et	0	.00	
Released to Imaging: 8/18/	2023 3119	SUPMIT			Total S	ubsurface Volume Released:	0.3086	0	.66	BU .

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

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

#### CONDITIONS

Created By		Condition Date
jharimon	None	4/20/2023

Received by OCD: 6/1/2023 8:33:50 AM State of New Mexico
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### **Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)					
Did this release impact groundwater or surface water?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No					
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No					
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No					
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No					
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No					
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ☐ No					
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.						
Characterization Report Checklist: Each of the following items must be included in the report.						
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.  Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs  Photographs including date and GIS information  Topographic/Aerial maps  Laboratory data including chain of custody						

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

Received by OCD: 6/1/2023 8:33:50 AM State of New Mexico
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best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
_ Title:
Date:
Telephone:
Date:06/05/2023

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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								
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially notitions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.							
Printed Name:								
Signature: <u>Jacob Laird</u>	Date:							
email:	Telephone:							
OCD Only								
Received by: Jocelyn Harimon	Date:06/05/2023							
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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.

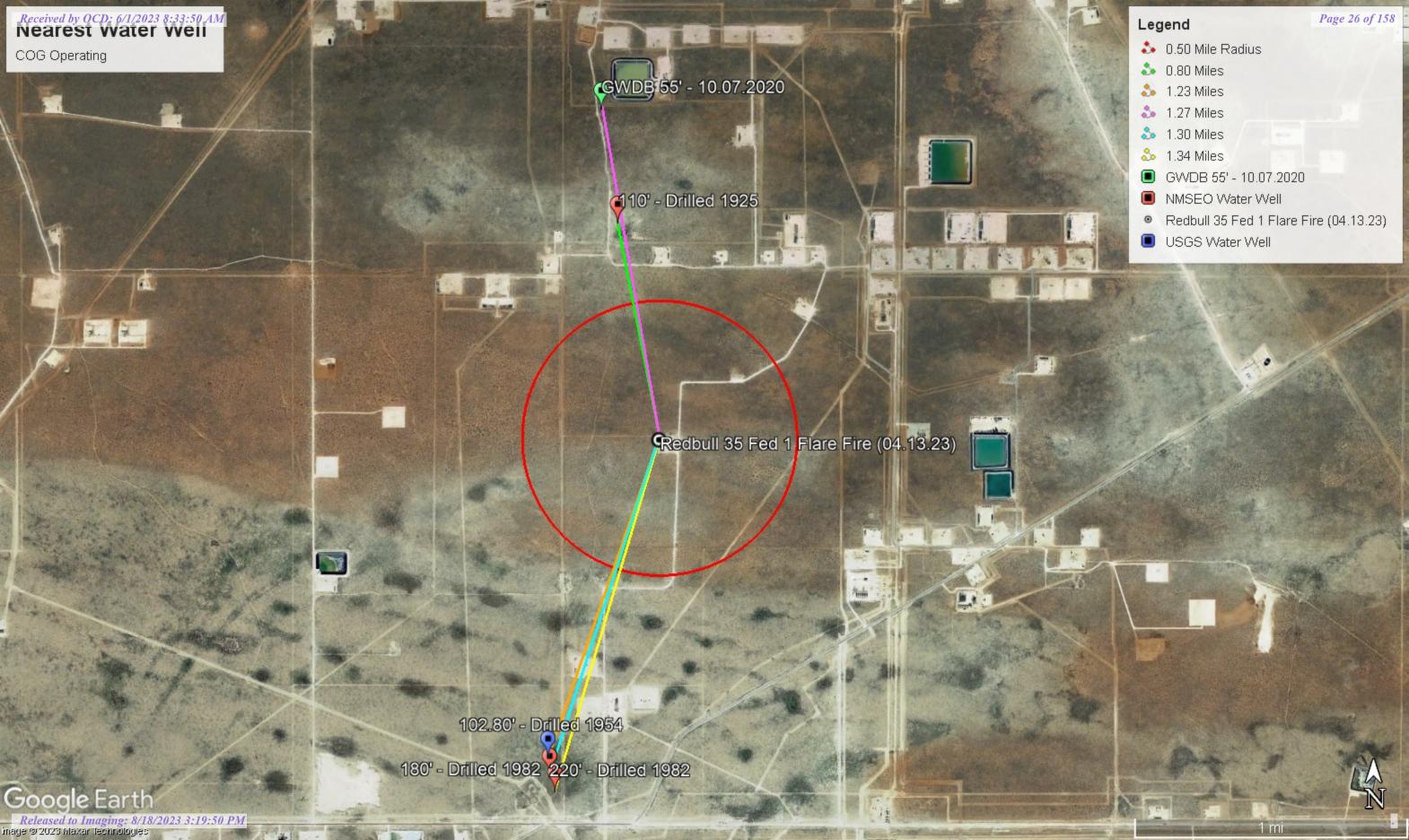
COP - Redbull 35 Fed 1 Flare Fire (04.13.23) Sec 35 T25S R33E Unit K 32.085278, -103.545556 Lea County, New Mexico

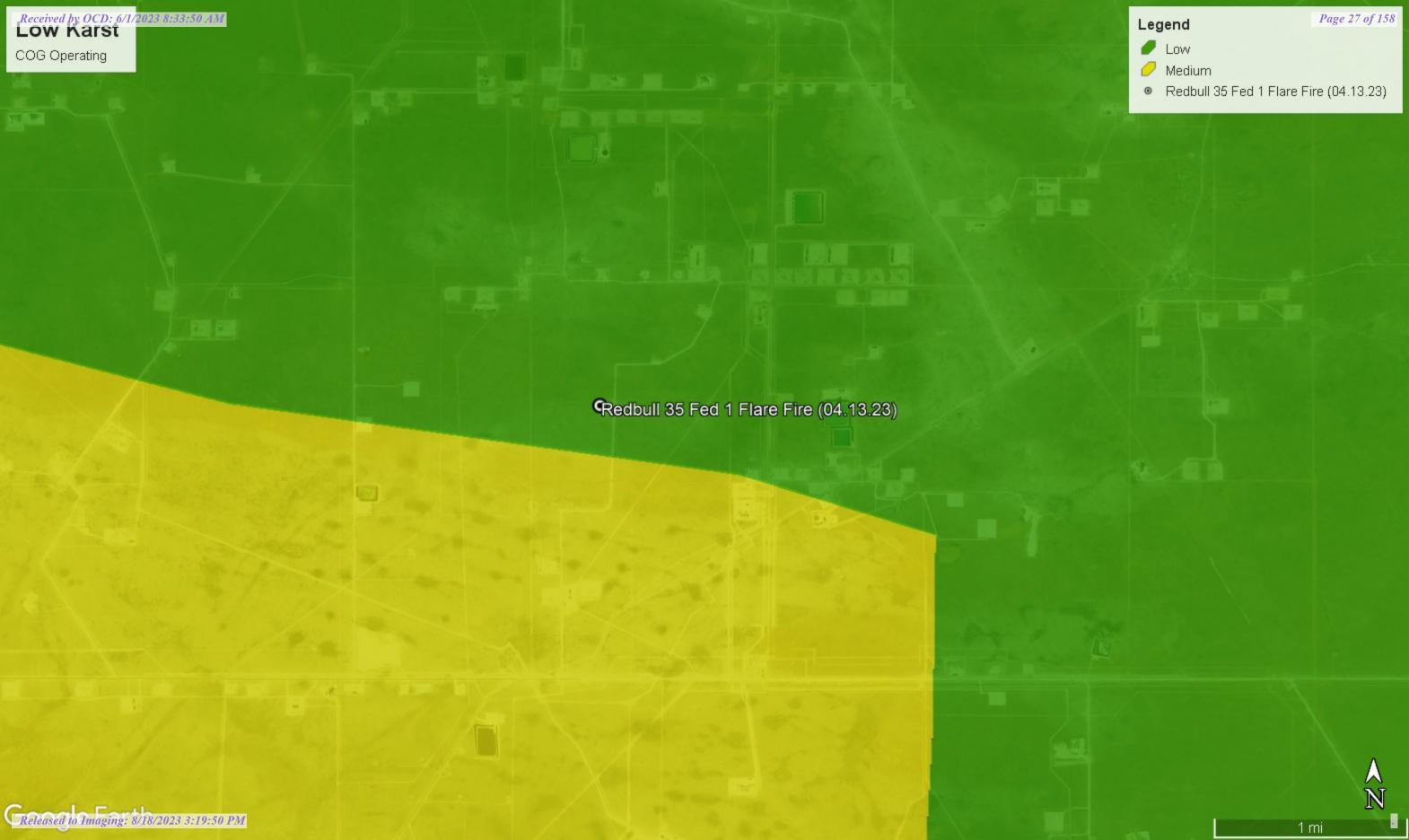
Mike J. Carmona 310 West Wall Street, Suite 500 Midland TX, 79701 M: 432-813-1992 Mcarmona@carmonaresources.com



# **APPENDIX D**







								Sample Name: BH01	Date: 04/18/2023
						Site Name: Redbull Federal 35			
						Incident Number: nAPP2126444907			
						Job Number: 03D2024004			
		LITHOL	OGI	C / SOIL S	SAMPLING	Logged By: J. Falcomata	Method: Hollow Stem		
				3.5447991		Hole Diameter: 5"	Total Depth: 106'		
		_				r was observed within the soil b I bentonite chips.	poring after at least 72 hours.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic [	Descriptions
						I - -		Note: Driller injected well with a whelp stabilize well and prevent cave 60' using 2" polypipe casing.	
Dry	-	-	N	-		10	SP-SC	(10') SAND: fine grained -	med grained, trace
					-	-		amounts med sized grave	el, poorly graded, tan -
Dry	-	-	N	-		20	SP-SM	yellow brown, no odor, n (20') SAND: fine grained,	
					-	-		graded, med-reddish bro	wn, no odor, non plastic,
Dry	-	-	N	-		30	SP-SM	non cohesive (30') SAND: fine grained,	slightly silty, poorly
					_	_		graded, reddish brown - s	
Dry	-	-	N	-		40	SP-SM	non plastic, non cohesive (40') SAND: fine grained,	slightly silty, poorly
						-		=	no odor, non plastic, non
Dry	-	-	N	-		50	SP-SM	cohesive. (50') SAND: fine grained, orangish brown to mediu	
Dry	-	_	N	-		_ 60	SP-SM	plastic, non cohesive. (60') SAND: fine grained,	
					-	-		orangish brown to mediu	m brown, no odor, non
Wet	-	-	N	-	- - -	- _ 70 -	SP-SM	plastic, non cohesive. (70') SAND: fine grained, medium brown - tan, wei	silty, poorly graded, t from injection, no odor,
Wet	-	-	N	-		80	SP-SM	non plastic, non cohesive (80') SAND: fine grained,	silty, poorly graded, ,
					_	-		•	tion, no odor, non plastic,
Wet	-	-	N	-		90	SP-SM	non cohesive. (90') SAND: fine grained,	
					_	-		· · · · · · · · · · · · · · · · · · ·	tion, no odor, non plastic,
Wet	-	-	N	-		100	SP-SM	non cohesive. (100') SAND: fine grained	
					-	_		medium brown - brown,	· · · · · · · · · · · · · · · · · · ·
Wet	_	_	N	_		106	SP-SM	odor, non plastic, non col	hesive.
VVCL			. 14						
	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)

<u> </u>	0.0000,	,						J / · ·			`	,	
	POD Sub-			Q (	-	_			v	<b>.</b>	-	-	Water
POD Number	Code basin	County	64	16	4 Sec	IWS	Rng	Х	Υ	Distance	Well	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	С	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	С	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	С	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** 

**UTMNAD83 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.



### 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 Tv

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 Rcv Date: Source:

Pump Type:Pipe Discharge Size:Estimated Yield:60 GPMCasing Size:6.88Depth Well:150 feetDepth Water:110 feet

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 1:23 PM

POINT OF DIVERSION SUMMARY

<sup>\*</sup>UTM location was derived from PLSS - see Help



**USGS Home Contact USGS** Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Data Category:		Geographic Area:		
Groundwater	~	New Mexico	~	GO

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> 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 aguifers (N99990THER) national aguifer.

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 measur
1954-07-23		[	62610		3206.62	NGVD29	1	2	7	
1954-07-23		[	62611		3208.20	NAVD88	1	2	Z	
1954-07-23			72019	102.80			1	2	7	

#### Explanation

Section		Code	Description
Water-leve	el 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	d vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced	d vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		1	Static



Questions about sites/data? Feedback on this web site **Automated retrievals** <u>Help</u> Data Tips Explanation of terms Subscribe for system changes **News** 

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: <u>New Mexico Water Data Maintainer</u> 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

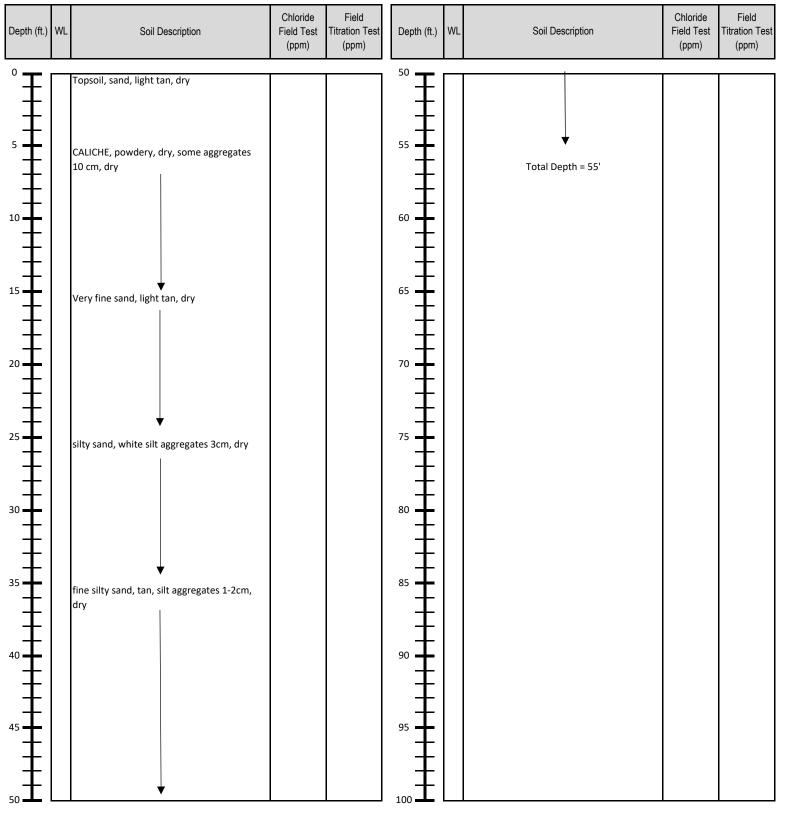
Elevation : N/A

Date: Monday, December 7, 2020

Sampler: EM

Driller: HCI

Method: Air Rotary



<sup>\*</sup> H.O. = Heavy Odor

<sup>\*</sup> H.S. = Heavy Staining

<sup>\*</sup> L.O. = Low Odor

<sup>\*</sup> 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)

636613

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

C 02285 POD1 1 4 4 03 26S 331

X Y

3548855

Driller License: Driller Company:

**Driller Name:** 

Drill Start Date: Drill Finish Date: 12/31/1982 Plug Date:

Log File Date:PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield:18 GPMCasing Size:8.00Depth Well:220 feetDepth Water:220 feet

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, 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)

(quarters are smallest to largest)

(NAD83 UTM in meters)

636646

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

26S

**Driller Company:** 

3548758

C 02288

**Driller License: Driller Name:** 

**Drill Start Date: Drill Finish Date:** 12/31/1982 **Plug Date:** Log File Date: **PCW Rcv Date:** Source:

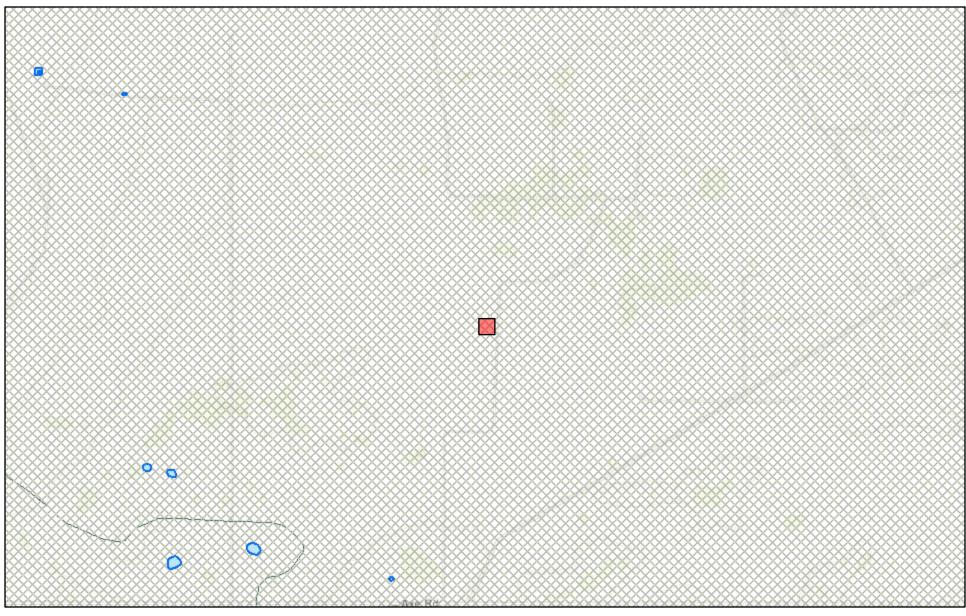
**Pump Type:** Pipe Discharge Size: Estimated Yield: 18 GPM **Casing Size:** 8.00 Depth Well: 220 feet Depth Water: 180 feet

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, or suitability for any particular purpose of the data.

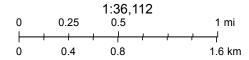
4/17/23 1:25 PM

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,

## **APPENDIX E**



## **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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 1

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14

Client: Carmona Resources Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) Laboratory Job ID: 880-27463-1 SDG: Lea County, NM

# **Table of Contents**

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QC Association Summary	26
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Certification Summary	35
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Sample Summary	37
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### **Definitions/Glossary**

Client: Carmona Resources Job ID: 880-27463-1 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

#### **Qualifiers**

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141:	vo	Δ
-		_

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

Indicates the analyte was analyzed for but not detected.

#### **GC Semi VOA**

U

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

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

NEG

Negative / Absent

POS Positive / Present

PQL Practical Quantitation Limit **PRES** Presumptive

**Quality Control** QC

**RER** Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

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.

#### HPI C/IC

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

Client: Carmona Resources

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

Lab Sample ID: 880-27463-1

Matrix: Solid

Job ID: 880-27463-1

SDG: Lea County, NM

Client Sample ID: S-1 (0-3") Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

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 Cald	culation							
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 - Dies	sel Range Organ	ics (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 - Die	esel Range Orga	nics (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	5880		49.8		mg/Kg		04/21/23 10:29	04/21/23 11:09	1
C10-C28)			40.0		11.6		04/04/00 40 00	04/04/00 44 00	
Oll Range Organics (Over C28-C36)	817		49.8		mg/Kg		04/21/23 10:29	04/21/23 11:09	1
C20-C30)									
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, Io	n Chromatograp	hy - Solubl	e						
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

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 <sub>-</sub> 130				04/21/23 10:24	04/21/23 14:52	1

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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-2

Matrix: Solid

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 - Dies	sel Range Organ	ics (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 - Did	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<250	U	250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
(GRO)-C6-C10									
Diesel Range Organics (Over	6990		250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
C10-C28)									
Oll Range Organics (Over	970		250		mg/Kg		04/21/23 10:29	04/21/23 12:14	5
C28-C36)									
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, lo	n Chromatograp	hy - Solubl	e						
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

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 Bromondorosonzono (carr)	32								
1,4-Difluorobenzene (Surr)	100		70 - 130				04/21/23 10:24	04/21/23 15:12	1
,	100 - Total BTEX Cald	culation Qualifier	70 <sub>-</sub> 130	MDL	Unit	D	04/21/23 10:24  Prepared	04/21/23 15:12 Analyzed	1 Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX	100 - Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			,
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00398	<b>Qualifier</b> U	RL 0.00398	MDL		<u>D</u>		Analyzed	,
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX	- Total BTEX Calc Result <0.00398 sel Range Organ	<b>Qualifier</b> U	RL 0.00398	MDL MDL	mg/Kg	<u>D</u>		Analyzed	,
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 sel Range Organ	Qualifier U	RL 0.00398		mg/Kg		Prepared	Analyzed 04/24/23 14:06	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte  Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 sel Range Organ Result 10100	Qualifier U ics (DRO) (	RL 0.00398  GC)  RL 250		mg/Kg		Prepared	Analyzed 04/24/23 14:06 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 sel Range Organ Result 10100 iesel Range Orga	Qualifier U ics (DRO) (	RL 0.00398  GC)  RL 250	MDL	mg/Kg		Prepared	Analyzed 04/24/23 14:06 Analyzed	Dil Fac

Client: Carmona Resources Job ID: 880-27463-1 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

Client Sample ID: S-1 (1')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-3

Matrix: Solid

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	8990		250		mg/Kg		04/21/23 10:29	04/21/23 12:36	5
C10-C28)									
Oll Range Organics (Over	1150		250		mg/Kg		04/21/23 10:29	04/21/23 12:36	5
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1.011							0.1/0.1/0.0.10.00	0.1/0.1/0.0.10.00	

- · · · <b>3</b> · · ·		-•				
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

Date Received: 04/21/23 09:42

245 Gampio 121 GGG 21 4 GGG 4
Matrix: Solid

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 - Tot	al BTEX Cal	culation							
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 F	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

Analyte	Result Qual	(DRO) (GC) lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<250 U	250		mg/Kg	— <u>-</u>	04/21/23 10:29	04/21/23 12:58	5
(GRO)-C6-C10  Diesel Range Organics (Over	10200	250		mg/Kg		04/21/23 10:29	04/21/23 12:58	5
C10-C28) Oll Range Organics (Over	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

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C28-C36)

Job ID: 880-27463-1

SDG: Lea County, NM

Client Sample ID: S-1 (1.5')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-4

Matrix: Solid

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

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 - Tota	I BTEX Calc	culation							
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 R	lange Organics (DRO) (GC	<del>;</del> )					
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 - Dies	sel Range Orga	nics (DRO) (0	SC)						
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
Oll 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 Cl	hromatography - S	oluble					
Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	746	49.6	mg/ł			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

Released to Imaging: 8/18/2023 3:19:50 PM

Method: SW846 8021B - Volatile Organic Compounds (GC)										
4	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E	Benzene	0.00260		0.00199		mg/Kg	<u></u>	04/21/23 10:24	04/21/23 17:44	1
T	<b>Toluene</b>	0.00505		0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1
E	Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 10:24	04/21/23 17:44	1

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")

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-6

Matrix: Solid

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
Total BTEX									Dii i uo
Analyte Total BTEX		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
	0.0126		0.00398		mg/Kg			04/24/23 14:06	Dil Fac
		ics (DRO) (			mg/Kg			04/24/23 14:06	1
Method: SW846 8015 NM - Die Analyte	esel Range Organ	ics (DRO) (		MDL	mg/Kg Unit		Prepared	04/24/23 14:06  Analyzed	1
Method: SW846 8015 NM - Die	esel Range Organ	, , ,	GC)	MDL		<u>D</u>	Prepared		1
Method: SW846 8015 NM - Die Analyte Total TPH	esel Range Organ Result 487	Qualifier	RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte	esel Range Organ Result 487 Diesel Range Orga	Qualifier	RL 49.9	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	1
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range Organ Result 487 Diesel Range Orga	Qualifier  nics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg	_ =	· · · · ·	Analyzed 04/24/23 12:42	Dil Fac

(GRO)-C6-C10  Diesel Range Organics (Over 370 49.9 mg/Kg 04/21/23 10:29 04/21/23 13:41  C10-C28)  Oll Range Organics (Over 117 49.9 mg/Kg 04/21/23 10:29 04/21/23 13:41  C28-C36)	Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over 370 49.9 mg/Kg 04/21/23 10:29 04/21/23 13:41	Oll Range Organics (Over	117	49.9	mg/Kg	04/21/23 10:29	04/21/23 13:41	1
		370	49.9	mg/Kg	04/21/23 10:29	04/21/23 13:41	1

	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
ì						

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - 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

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 Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

**Eurofins Midland** 

04/24/23 14:06

0.00398

mg/Kg

<0.00398 U

Total BTEX

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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-7

Matrix: Solid

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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 14:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	146		49.9		mg/Kg		04/21/23 10:29	04/21/23 14:03	1
C10-C28)									
OII 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	Chromatograp	hy - Solubl	e						
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

Date Received: 04/21/23 09:42

**Matrix: Solid** 

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
Analyte		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	<b>Analyzed</b> 04/24/23 14:06	
Analyte Total BTEX	<0.00399	<b>Qualifier</b> U	0.00399	MDL		<u>D</u>		Analyzed	
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte	Result <0.00399 sel Range Organ	<b>Qualifier</b> U	0.00399			D_		Analyzed	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Dies	Result <0.00399 sel Range Organ	Qualifier U	0.00399 GC)		mg/Kg	<u> </u>	Prepared	Analyzed 04/24/23 14:06	1
Analyte Total BTEX Method: SW846 8015 NM - Die: Analyte	Result <0.00399  sel Range Organ Result 234	Qualifier U ics (DRO) ( Qualifier	0.00399  GC)  RL  50.0		mg/Kg	<u> </u>	Prepared	Analyzed 04/24/23 14:06 Analyzed	
Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Diese	Result <0.00399  sel Range Organ Result 234  iesel Range Orga	Qualifier U ics (DRO) ( Qualifier	0.00399  GC)  RL  50.0		mg/Kg  Unit mg/Kg	<u> </u>	Prepared	Analyzed 04/24/23 14:06 Analyzed	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Die: Analyte Total TPH	Result <0.00399  sel Range Organ Result 234  iesel Range Orga	Qualifier U ics (DRO) ( Qualifier  nics (DRO) Qualifier	0.00399  GC)  RL  50.0  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 04/24/23 14:06  Analyzed 04/24/23 12:42	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Dies Analyte Total TPH  Method: SW846 8015B NM - Di Analyte Gasoline Range Organics	Result <0.00399  sel Range Organ Result 234  iesel Range Orga Result	Qualifier U ics (DRO) ( Qualifier  nics (DRO) Qualifier	0.00399  GC)  RL  50.0  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	Analyzed 04/24/23 14:06  Analyzed 04/24/23 12:42  Analyzed	1

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: 880-27463-8

Matrix: Solid

Client Sample ID: S-2 (1') Date Collected: 04/20/23 00:00

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	56.2		4.99		mg/Kg			04/25/23 14:46	1

Lab Sample ID: 880-27463-9 Client Sample ID: S-2 (1.5') Matrix: Solid

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

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

mothod: IAL COI Total BILA I	otal Billy out	diation							
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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8		49.8		mg/Kg	— <u>-</u>	04/21/23 10:29	04/21/23 14:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		04/21/23 10:29	04/21/23 14:46	1
C10-C28)									
Oll 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 Cl							
Analyte	Result Qualif	fier RL	MDL Unit	. D	Prepared	Analyzed	Dil Fac
Chloride	70.4	5.01	mg/	Kg		04/25/23 14:51	1

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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-10

Matrix: Solid

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 Cald	culation							
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	
: Method: SW846 8015 NM - Diese	el Range Organ				mg/rtg			0 1/2 1/20 1 1:00	
Method: SW846 8015 NM - Diese Analyte				MDL		D	Prepared	Analyzed	
		ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result   <49.9	ics (DRO) (Gualifier	GC) RL 49.9	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte	Result <49.9 sel Range Orga	ics (DRO) (Gualifier	GC) RL 49.9	MDL MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		Unit mg/Kg			Analyzed 04/24/23 12:42	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte	Result <49.9  sel Range Orga Result	Qualifier Unics (DRO) Qualifier	GC)  RL 49.9  (GC) RL		Unit mg/Kg		Prepared	Analyzed 04/24/23 12:42 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <49.9  sel Range Orga Result	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	GC)  RL 49.9  (GC) RL		Unit mg/Kg		Prepared	Analyzed 04/24/23 12:42 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08	Dil Fac  Dil Fac  1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9  sel Range Orga Result <49.9	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	(GC)  RL 49.9  (GC)  RL 49.9		Unit mg/Kg  Unit mg/Kg		Prepared 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08	Dil Fac  Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U	GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	ics (DRO) (Control of the Control of	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	ics (DRO) (Control of the Control of	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08 04/21/23 15:08 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <49.9	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U  Qualifier	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08  Analyzed 04/21/23 15:08	Dil Fac  Dil Fac  1  Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <49.9	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U  Qualifier	GC)  RL 49.9  (GC)  RL 49.9  49.9  49.9  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared 04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 15:08 04/21/23 15:08  Analyzed 04/21/23 15:08	Dil Fac  1  Dil Fac  1  1  Dil Fac  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) Result Qualifier Analyte MDL Unit D Dil Fac RL Prepared Analyzed Benzene 0.00556 0.00198 mg/Kg 04/21/23 10:24 04/21/23 19:26 **Toluene** 0.00543 0.00198 mg/Kg 04/21/23 10:24 04/21/23 19:26 Ethylbenzene 0.00231 0.00198 mg/Kg 04/21/23 10:24 04/21/23 19:26 m-Xylene & p-Xylene 0.00671 0.00396 mg/Kg 04/21/23 10:24 04/21/23 19:26 o-Xylene 0.00320 0.00198 mg/Kg 04/21/23 10:24 04/21/23 19:26 0.00396 04/21/23 10:24 04/21/23 19:26 0.00991 mg/Kg **Xylenes, Total** %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 105 70 - 130 04/21/23 10:24 04/21/23 19:26 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 108 70 - 130 04/21/23 10:24 04/21/23 19:26

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")

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-11

04/25/23 15:01

Matrix: Solid

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 - Diese	el Range Organ	ics (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 - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 15:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	403		50.0		mg/Kg		04/21/23 10:29	04/21/23 15:51	1
C10-C28)									
Oll Range Organics (Over	123		50.0		mg/Kg		04/21/23 10:29	04/21/23 15:51	1
C28-C36)									
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, Ior	n Chromatogran	hv - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 880-27463-12 Client Sample ID: S-3 (0.5') Date Collected: 04/20/23 00:00 **Matrix: Solid** 

24.9

mg/Kg

307

Date Received: 04/21/23 09:42

Chloride

Method: SW846 8021B - Vola	•	•	•						
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 Cald	culation							
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 - Di	esel Range Organ	ics (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 Orga	nics (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

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

Matrix: Solid

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

Client: Carmona Resources

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	227		50.0		mg/Kg		04/21/23 10:29	04/21/23 16:12	1
C10-C28)									
Oll Range Organics (Over	50.6		50.0		mg/Kg		04/21/23 10:29	04/21/23 16:12	1
C28-C36)									
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

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

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

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 Cald	culation							
	Decult	o	ъ.	MDI	I Imia	D		A II	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	U	Prepared	Analyzed	Diriac
Total BTEX	<0.00401		0.00401	MDL	mg/Kg	— <del>-</del>	Prepared	04/24/23 14:06	1
Total BTEX	<0.00401	U	0.00401	MDL			Prepared		
Total BTEX Method: SW846 8015 NM - Die	<0.00401	ics (DRO) (	0.00401 GC)		mg/Kg	<u> </u>		04/24/23 14:06	1
Total BTEX  Method: SW846 8015 NM - Die Analyte	<0.00401 sel Range Organ Result	U	0.00401 GC)		mg/Kg	<u>D</u>	Prepared	04/24/23 14:06  Analyzed	1 Dil Fac
Total BTEX Method: SW846 8015 NM - Die	<0.00401	ics (DRO) (	0.00401 GC)		mg/Kg	<u> </u>		04/24/23 14:06	1 Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte	<0.00401 sel Range Organ Result 484	ics (DRO) (	0.00401  GC)  RL  49.8		mg/Kg	<u> </u>		04/24/23 14:06  Analyzed	1
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH	<0.00401  sel Range Organ Result 484  iesel Range Orga	ics (DRO) (	0.00401  GC)  RL  49.8	MDL	mg/Kg	<u> </u>		04/24/23 14:06  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte  Gasoline Range Organics	<0.00401  sel Range Organ Result 484  iesel Range Orga	ics (DRO) (Qualifier	0.00401  GC)  RL  49.8  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	04/24/23 14:06  Analyzed  04/24/23 12:42	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte	<0.00401  sel Range Organ Result 484  iesel Range Orga Result	ics (DRO) (Qualifier	0.00401  GC)  RL  49.8  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	04/24/23 14:06  Analyzed  04/24/23 12:42  Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte  Gasoline Range Organics (GRO)-C6-C10	<0.00401  sel Range Organ Result 484  iesel Range Orga Result <49.8	ics (DRO) (Qualifier	0.00401  GC)  RL  49.8  (GC)  RL  49.8	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg	<u>D</u>	Prepared  Prepared  04/21/23 10:29	04/24/23 14:06  Analyzed 04/24/23 12:42  Analyzed 04/21/23 16:34	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00401  sel Range Organ Result 484  iesel Range Orga Result <49.8	ics (DRO) (Qualifier	0.00401  GC)  RL  49.8  (GC)  RL  49.8	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg	<u>D</u>	Prepared  Prepared  04/21/23 10:29	04/24/23 14:06  Analyzed 04/24/23 12:42  Analyzed 04/21/23 16:34	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00401  sel Range Organ Result 484  iesel Range Orga Result <49.8	ics (DRO) (Qualifier	0.00401  GC)  RL  49.8  (GC)  RL  49.8  49.8	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  Prepared  04/21/23 10:29  04/21/23 10:29	Analyzed 04/24/23 16:34  Analyzed 04/21/23 16:34	Dil Fac
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Di Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	<0.00401  sel Range Organ Result 484  iesel Range Orga Result <49.8	ics (DRO) (Qualifier  unics (DRO) Qualifier U	0.00401  GC)  RL  49.8  (GC)  RL  49.8  49.8	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  Prepared  04/21/23 10:29  04/21/23 10:29	Analyzed 04/24/23 16:34  Analyzed 04/21/23 16:34	Dil Fac  Dil Fac  1  Dil Fac  1
Total BTEX  Method: SW846 8015 NM - Die Analyte  Total TPH  Method: SW846 8015B NM - Die Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00401  sel Range Organ Result 484  iesel Range Orga Result <49.8  402 82.0	ics (DRO) (Qualifier  unics (DRO) Qualifier U	0.00401  GC)  RL  49.8  (GC)  RL  49.8  49.8  49.8	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  Prepared  04/21/23 10:29  04/21/23 10:29  04/21/23 10:29	Analyzed 04/24/23 12:42  Analyzed 04/21/23 16:34 04/21/23 16:34 04/21/23 16:34	Dil Fac  Dil Fac  1

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 Chr							
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

Lab Sample ID: 880-27463-14

Matrix: Solid

Date Received: 04/21/23 09:42

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	al BTEX Cald	culation							
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 F	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

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
Oll 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 Cl	hromatography - Solub	ole						
Analyte	Result Qualifier	RL	MDL U	Init D	) P	repared	Analyzed	Dil Fac
Chloride	762	50.3	m	ng/Kg			04/25/23 15:35	10

Client Sample ID: S-3 (2')

Date Collected: 04/20/23 00:00

Lab Sample ID: 880-27463-15

Matrix: Solid

Date Received: 04/21/23 09:42

Method: SW846 8021B - Volatile (	Organic Compo	ounds (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: Carmona Resources

Client Sample ID: S-3 (2')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

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

Job ID: 880-27463-1

SDG: Lea County, NM

La

Matrix: Solid

ab	Sampl	le ID:	880-27	<b>7463-15</b>

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued) Result Qualifier MDL Unit Prepared Analyzed Dil Fac 0.00399 04/21/23 10:30 m-Xylene & p-Xylene 0.00499 mg/Kg 04/21/23 11:40 o-Xylene <0.00200 U 0.00200 mg/Kg 04/21/23 10:30 04/21/23 11:40 **Xylenes, Total** 0.00499 0.00399 mg/Kg 04/21/23 10:30 04/21/23 11:40 Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 4-Bromofluorobenzene (Surr) 112 70 - 130 04/21/23 10:30 04/21/23 11:40 1,4-Difluorobenzene (Surr) 100 70 - 130 04/21/23 10:30 04/21/23 11:40 **Method: TAL SOP Total BTEX - Total BTEX Calculation** Result Qualifier MDL Unit Dil Fac Analyte RL D Prepared Analyzed **Total BTEX** 0.00399 04/21/23 15:12 0.00499 mg/Kg

Method: SW846 8015 NM - Diesel R	lange Organ	ics (DRO) (G	C)						
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 - Dies	sel Range Orgai	nics (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
Oll 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 C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	912		49.9		mg/Kg			04/25/23 15:40	10

### **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

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
l ah Cammia ID	Client Comple ID	(70-130)	(70-130)	
Lab Sample ID 880-27411-A-1-B MS	Client Sample ID  Matrix Spike	109	112	· —— —— —— —— —
880-27411-A-1-C MSD	Matrix Spike Duplicate	110	109	
880-27436-A-1-A MS	Matrix Spike Bupildate  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	
880-27463-1	S-1 (0-5')	108	110	
880-27463-3	S-1 (0.5)	92	100	
880-27463-4	S-1 (1)	91	107	
880-27463-5	S-1 (1.5)	93	107	
880-27463-6		112	105	
	S-2 (0-3")	106	101	
880-27463-7	S-2 (0.5')			
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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(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	

### **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)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(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				

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

MB	MB	

Analyte	Result	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

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Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 51667

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

Analysis Batch: 51665

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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
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**Prep Type: Total/NA** 

Prep Batch: 51667

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

LCSD LCSD

Surrogate	%Recovery	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

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

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

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

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51667

Lab Sample ID: 880-27436-A-1-B MSD **Matrix: Solid** 

**Analysis Batch: 51665** 

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

MSD MSD

Surrogate	%Recovery Qualifier	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

MB MB

Analyte	Result	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

MB MB

Surrogate	%Recovery 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

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%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

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 **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Prep Batch: 51686 Analysis Batch: 51664

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

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

Lab Sample ID: LCSD 880-51686/2-A **Client Sample ID: Lab Control Sample Dup** 

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 51664 Prep Batch: 51686

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%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

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

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Lab Sample ID: 880-27411-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 51664 Prep Batch: 51686

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

o-Xylene	<0.00200	U	0.0998	0.07528	mg/Kg	75	70 -
	MS	MS					
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	109		70 - 130				

70 - 130

Lab Sample ID: 880-27411-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** Prep Type: Total/NA Analysis Batch: 51664 Prep Batch: 51686

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%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

**Eurofins Midland** 

1,4-Difluorobenzene (Surr)

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

%Recovery Qualifier Surrogate 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	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1

MB MB

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	1000	941.4		mg/Kg		94	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	919.4		mg/Kg		92	70 - 130	
C10-C28)								

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

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

LCSD LCSD

Surrogate	%Recovery Qua	lifier Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	127	70 - 130

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

Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier %Rec Limits Unit D Gasoline Range Organics <49.8 U 998 1096 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 998 7088 4 70 - 1305880 mg/Kg 121

C10-C28)

MS MS

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

Matrix: Solid

**Analysis Batch: 51662** 

Lab Sample ID: 880-27463-1 MSD

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

Prep Type: Total/NA Prep Batch: 51687

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

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

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** 

MB MB

Result Qualifier MDL Unit Analyte Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 04/25/23 13:39 mg/Kg

LCS LCS

Lab Sample ID: LCS 880-51740/2-A **Matrix: Solid** 

**Client Sample ID: Lab Control Sample** 

**Prep Type: Soluble** 

%Rec

Client Sample ID: Lab Control Sample Dup

90 \_ 110

100

Analysis Batch: 51882

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

250

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

Chloride

Matrix: Solid							Prep	Type: So	oluble	
Analysis Batch: 51882										
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	

251.0

mg/Kg

**Eurofins Midland** 

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Client: Carmona Resources

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

Job ID: 880-27463-1

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

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

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

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

SDG: Lea County, NM

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27463-1 MS

Analysis Batch: 51882

Analysis Dateil. 01002										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3410		5040	8546		mg/Kg		102	90 - 110	

Lab Sample ID: 880-27463-1 MSD

**Matrix: Solid** 

**Matrix: Solid** 

**Analysis Batch: 51882** 

,	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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** 

7 maryolo Batom 01002										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	307		1240	1601		mg/Kg		104	90 - 110	

Lab Sample ID: 880-27463-11 MSD

**Matrix: Solid** 

**Analysis Batch: 51882** 

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	307		1240	1500		ma/Ka		104	90 110		20

Client: Carmona Resources

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

Job ID: 880-27463-1 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	Client Sample ID Prep Type		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	

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Client: Carmona Resources

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

Job ID: 880-27463-1

SDG: Lea County, NM

### **GC VOA (Continued)**

### Prep Batch: 51686 (Continued)

Lab Sample ID	Sample ID Client Sample ID		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 Batc
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 Batcl
880-27463-1	S-1 (0-3")	Total/NA	Solid	8015B NM	5168
880-27463-2	S-1 (0.5')	Total/NA	Solid	8015B NM	5168
880-27463-3	S-1 (1')	Total/NA	Solid	8015B NM	5168
880-27463-4	S-1 (1.5')	Total/NA	Solid	8015B NM	5168
880-27463-5	S-1 (2')	Total/NA	Solid	8015B NM	5168
880-27463-6	S-2 (0-3")	Total/NA	Solid	8015B NM	5168
880-27463-7	S-2 (0.5')	Total/NA	Solid	8015B NM	5168
880-27463-8	S-2 (1')	Total/NA	Solid	8015B NM	5168
880-27463-9	S-2 (1.5')	Total/NA	Solid	8015B NM	5168
880-27463-10	S-2 (2')	Total/NA	Solid	8015B NM	5168
880-27463-11	S-3 (0-3")	Total/NA	Solid	8015B NM	5168
880-27463-12	S-3 (0.5')	Total/NA	Solid	8015B NM	5168
880-27463-13	S-3 (1')	Total/NA	Solid	8015B NM	5168
880-27463-14	S-3 (1.5')	Total/NA	Solid	8015B NM	5168
880-27463-15	S-3 (2')	Total/NA	Solid	8015B NM	5168
MB 880-51687/1-A	Method Blank	Total/NA	Solid	8015B NM	5168
LCS 880-51687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	5168
LCSD 880-51687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	5168
880-27463-1 MS	S-1 (0-3")	Total/NA	Solid	8015B NM	5168
880-27463-1 MSD	S-1 (0-3")	Total/NA	Solid	8015B NM	5168

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		

Client: Carmona Resources

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

Job ID: 880-27463-1 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 Batcl
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
380-27463-10	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** 

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Client: Carmona Resources

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

SDG: Lea County, NM

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

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-1

Matrix: Solid

Job ID: 880-27463-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 04/21/23 09:42

Lub	Campic	ID.	000-21-00-2	
			Matrix: Solid	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 MIC
Soluble	Analysis	300.0		20	50 mL	50 mL	51882	04/25/23 14:08	SMC	EET MID

Client Sample ID: S-1 (1')

Date Collected: 04/20/23 00:00

Lab Sample ID: 880-27463-3

Matrix: Solid

Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Midland** 

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**Matrix: Solid** 

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: 880-27463-4

Client Sample ID: S-1 (1.5')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-27463-5 Client Sample ID: S-1 (2') Date Collected: 04/20/23 00:00 **Matrix: Solid** 

Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-27463-7 Client Sample ID: S-2 (0.5')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	51687 51662	04/21/23 10:29 04/21/23 14:03	AJ SM	EET MID EET MID

**Eurofins Midland** 

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**Matrix: Solid** 

#### 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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27463-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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** 

Released to Imaging: 8/18/2023 3:19:50 PM

#### Lab Chronicle

Client: Carmona Resources

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

SDG: Lea County, NM

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

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

Lab Sample ID: 880-27463-11

Matrix: Solid

Job ID: 880-27463-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Date Received: 04/21/23 09:42

**Matrix: Solid** 

**Matrix: Solid** 

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.04 g 5 mL 51686 04/21/23 10:24 MNR EET MID Total/NA 8021B **EET MID** Analysis 1 5 mL 5 mL 51664 04/21/23 19:46 MNR Total/NA Total BTEX 51750 04/24/23 14:06 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 51849 04/24/23 12:42 SM **EET MID** Total/NA 51687 04/21/23 10:29 Prep 8015NM Prep 10.00 g 10 mL A.I **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 51662 04/21/23 16:12 SM **EET MID** Soluble 51740 04/21/23 14:34 Leach DI Leach 5.01 g 50 mL 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

Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-27463-14 Client Sample ID: S-3 (1.5')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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** 

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**Matrix: Solid** 

#### **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

. Matrix: Solid

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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
Date Received: 04/21/23 09:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

**Eurofins Midland** 

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**Matrix: Solid** 

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## **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		ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-25		
The following analytes the agency does not of	' '	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes fo	
Analysis Method Prep Method		Matrix	Analyte		
8015 NM		Solid	Total TPH		

### **Method 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	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: 880-27463-1

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:

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Project Manager	Mike Carmona				Bill to: (if different)									Work	Work Order Comments			
Company Name	Carmona Resources	urces			Company Name.							Progi	Program: UST/PST   PRP	ST   PRP	Prownfields	elds RC	Diperfund	
923	310 W Wall St Ste 500	Ste 500			Address							State	State of Project:	]				1
City, State ZIP	Midland, TX 79701	701			City, State ZIP							Repo	Reporting Level II  Level III	☐ Level	II □ST/UST	ST DRRP	☐Level IV	
	432-813-1992			Email								Delive	Deliverables EDD		ADaPT	□ Other	J.	
Project Name:	Redbull 35 F	Redbull 35 Fed 1 Flare Fire (04 13 23)	ire (04 13 23)	Tum	Turn Around					ANAL	ANALYSIS REQUEST	QUEST				Preserv	Preservative Codes	
Project Number		2013		Routine	✓ Rush	Pres. Code	<u> </u>					_				None NO	DI Water: H <sub>2</sub> O	ó
Project Location		Lea County, NM	M	Due Date	48 Hrs											Cool Cool	MeOH Me	
Sampler's Name		KGB				1	.Udl	·							) <u>T</u>	HCL HC	HNO	
PO#						SJ	,ı + ·								1.	H,S04. H,	NaOH Na	
SAMPLE RECEIPT		Grapp Blank.	Yes No	Wet Ice	(Yes) No	etei										H,PO, HP		
Received Intact:	Kes	ss No	Thermometer ID		9	neı	1208	6 30								NaHSO, NABIS	Sis	
Cooler Custody Seals.	) yes	No NA	Correction Factor		), O	eq I			····							Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub>	်င္ပိ	
Sample Custody Seals.	als. Yes No	No NAA	Temperature Reading	ading	-: 20										<u> </u>	Zn Acetate+NaOH Zn	aOH Zn	
Total Containers		)	Corrected Temperature	rature	7.3		-ug	100							<u>Z</u>	4aOH+Ascort	NaOH+Ascorbic Acid SAPC	
Sample Identification	ntification	Date	Time	Soil	Water Grab/	# of Cont	HdT	ابين			•••••				1	Sample	Sample Comments	
("E-0) 1-S	0-3")	4/20/2023		×	9	┿	×	×			+							
S-1 (0 5')	05')	4/20/2023		×	Ø	-	×	×			-				<del>                                     </del>			T
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S-1 (1 5)	15')	4/20/2023		×	Ø	-	×	×			,							Γ
S-1 (2)	(2')	4/20/2023		×	O	-	×	×								I		Τ
S-2 (0-3 <sub>"</sub> )	0-3")	4/20/2023		×	Ø	-	×	×								i		Τ
S-2 (0 5)	(0.51)	4/20/2023		×	O	-	×	×			_ u					ł		Ī
S-2 (1')	(1')	4/20/2023		×	ອ	-	×	×			۱ <u>.</u> ا	77-000	000-2/463 Chain of Custody	Custody		l		Π
S-2 (1 5')	15)	4/20/2023	-11	×	O	+	×	×				_	<u></u>		_	<b>l</b>	Comments of the state of the st	Ī
S-2 (2')	(2')	4/20/2023		×	<u>ග</u>	-	×	×										Ι
Comments Email to Mike Carmona / Mcarmona@carmonaresources com and	ul to Mike Carm	iona / Mcarm.	ona@carmonar	esontces com		loehring /	Cmoeh	ring@ca	Conner Moehring / Cmoehring@carmonaresources.com	ources.	mo:							
		Relinffinished t	Relinduished by: (Signature)				Date/Time	ď				d beries	Pacainad by (Signature)	[2]			Comit The	
4/25/202						5	120			+							Cate) IIII	
23																		

Work Order No: 2746

Name   State of Variable   Name   N	Project Manager	Mike Carmona			Bill to (if different)								Work	Work Order Comments		
State   20 to Whole   St. State   20 to Whole   St. State   20 to Whole   St. State   20 to Whole   20 to State   20 to Whole   20 to State	Company Name	nona Resources			Company Name						Pro	gram: UST/	PST PRP	rownfi	elds RRC	Diperfund
Coly, State ZPD	Address	W Wall St Ste 500			Address						Sta	te of Projec	נג	]	]	Ī
Propose   4272-812-1892	City, State ZIP	and, TX 79701			City, State ZIP						Reg	orting Level	Level		ST DRRP	☐Level IV
Project Name	Phone.	813-1992		Email							De l			ADaPT	Other	
Project Number   Lea County, NM   Due Date   A8 Hrs   Project Number   Lea County, NM   Due Date   A8 Hrs   Project Number   Lea County, NM   Due Date   A8 Hrs   Project Number   Lea County, NM   Due Date   A8 Hrs   Project Number   Lea County, NM   Lea Number   Lea County, NM   Lea Number   Lea County, NM   Lea Number   Lea County, Lea Number   Lea County, Lea Number   Lea	Project Name.	edbull 35 Fed 1 Flare Fir	re (04 13 23)	Turn	Around				•	NALYSI	REQUES				Preserv	Preservative Codes
Tear County, NM		2013			✓ Rush	Pres. Code								Z	one NO	Di Water H <sub>2</sub> O
Temp Blank	Project Location	Lea County, NA	Σ	Due Date	48 Hrs										Cool	MeOH Me
Yes No	Sampler's Name	KGB				T	(OSI							<u> </u>	CL. HC	HNO <sub>3</sub> HN
Temp Blank	PO#:					SJ	N +								2S04 H2	NaOH Na
Yes No Nuk Tomoneter ID	SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	1	ıətər		0.0							PO, HP	
Sample Custody Seals   Yes No NA   Temperature Reading   Yes   Yes No NA   Temperature Reading   Yes   Yes No NA   Temperature Reading   Yes	Received Intact:	Yes No	Thermometer ID			men		e 30							NaHSO, NABIS	S
Ves No NiA   Temperature Reading   Action   Corrected Temperature   Corrected Temperature   Corrected Temperature   Corrected Temperature   A/20/2023   X   G   1	Cooler Custody Seals		Correction Facto	, L.		ed		biro	-						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	ń
# cloud   Date   Time   Soil   Water   Gont   # of   FE	Sample Custody Seals.	1 1	Temperature Re	ading				СЫ						Z	Zn Acetate+NaOH Zn	OH Zn
# drong Date Time Soil Water Comp Cont # of A	Total Containers		Corrected Temp	erature			108							Z	aOH+Ascorb	NaOH+Ascorbic Acid SAPC
S-3 (0-3') 4/20/2023	Sample Identifica		Time	Soil	<u></u>	ļ	HGT							J	Sample	Sample Comments
S-3 (1) 4/20/2023		4/20/2023		×	O	L	-	-					-			
S-3 (1) 4/20/2023	S-3 (0 5')	4/20/2023		×	Ø	-	┢	-								
S-3 (2) 4/20/2023 X G 1 X X X X	S-3 (1')	4/20/2023		×	Ø	-	╀	×							)  -	
S-3 (2)   4/20/2023   X   G   1   X   X   X   X   X   X   X   X   X	S-3 (1 5')	4/20/2023		×	Ø	-	-	-		ļ					0.0	ا رئ
Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com    Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com   Comments Email to Mike Carmona / Mcarmona@carmonaresources com   Comments Email to Mike Carmona / Mcarmonaresources com   Comments Email to Mike Carmona / Mcarmona / Mcarmon	S-3 (2')	4/20/2023		×	ပ	1	-	<u> </u>							2	•
Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com   Relinquished by (Signature)  Output  Out															.	
Comments Email to Mike Carmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com    Relinquished by (Signature)   Date/Time   QUI 23   Carmonaresources com   C																
Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com    Rejinquished by (Signature)   Date/Time   Outs/Time   O							-	-		+						
Comments Email to Mike Carmona / Mcarmona@carmonaresources com and Conner Moehring / Cmoehring@carmonaresources com    Relinquished by (Signature)   Date/Time   Content Moehring / Comments   Comment															***************************************	
Relinquished by (Signature)  Out 21 23	Comments Email to I	Nike Carmona / Mcarmo	ona@carmona	resources com	and Conner N	oehring /	Cmoehi	mg@carm	onaresou	rces com						
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7/2/2	4/25	000				3	26	27		$ \cdot $						
	202															

## **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-27463-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 27463 List Number: 1

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	N/A	

<6mm (1/4").

# **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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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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**

Job ID: 880-27462-1 Client: Carmona Resources Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

#### **Qualifiers**

### **GC VOA**

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

### **GC Semi VOA**

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** 

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

Decision Level Concentration (Radiochemistry) DLC

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) Minimum Detectable Concentration (Radiochemistry) MDC

Method Detection Limit MDL Minimum Level (Dioxin) ML 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

Practical Quantitation Limit PQL

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RFR

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

**TEF** Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TFO

**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.

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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27462-1

Matrix: Solid

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)			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 Cald	culation							
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 - Dies	al Range Organ	ics (DRO) ((	GC)						
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (G	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/24/23 12:42	Dil Fac
Analyte	Result   <50.0	Qualifier U	<b>RL</b> 50.0	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <50.0	Qualifier U	<b>RL</b> 50.0			<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg			04/24/23 12:42	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	04/24/23 12:42  Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0  Sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U	RL   50.0		mg/Kg  Unit mg/Kg		Prepared 04/21/23 10:29	04/24/23 12:42  Analyzed  04/21/23 17:39	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29	04/24/23 12:42  Analyzed 04/21/23 17:39 04/21/23 17:39	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29	04/24/23 12:42  Analyzed 04/21/23 17:39 04/21/23 17:39	Dil Face 1 1 1 Dil Face
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U	RL   50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared	Analyzed 04/21/23 17:39 04/21/23 17:39 04/21/23 17:39 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared 04/21/23 10:29	04/24/23 12:42  Analyzed 04/21/23 17:39  04/21/23 17:39  Analyzed  04/21/23 17:39	1 Dil Fac 1 1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 04/21/23 10:29 04/21/23 10:29 04/21/23 10:29 Prepared 04/21/23 10:29	04/24/23 12:42  Analyzed 04/21/23 17:39  04/21/23 17:39  Analyzed  04/21/23 17:39	Dil Fac  1  1  1  Dil Fac  1

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

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

Client: Carmona Resources

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

SDG: Lea County, NM

Job ID: 880-27462-1

Lab Sample ID: 880-27462-2

Client Sample ID: H-2 (0.5') Date Collected: 04/20/23 00:00

Matrix: Solid

Date Received: 04/21/23 09:42

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 - Dies	el Range Organ	ics (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 - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<249	U	249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
(GRO)-C6-C10									
Diesel Range Organics (Over	5240		249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
C10-C28)									
Oll Range Organics (Over	1090		249		mg/Kg		04/21/23 10:29	04/21/23 19:07	5
C28-C36)									
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, lor	n Chromatograp	hy - Solubl	e						
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

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)			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
1,4-Difluorobenzene (Surr)  Method: TAL SOP Total BTEX		culation	70 - 130				04/21/23 10:24	04/21/23 13:30	1
·	- Total BTEX Cald	culation Qualifier	70 <sub>-</sub> 130 RL	MDL	Unit	D	04/21/23 10:24  Prepared	04/21/23 13:30 Analyzed	1 Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00399	<b>Qualifier</b> U	RL0.00399	MDL		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00399 esel Range Organ	<b>Qualifier</b> U	RL0.00399	MDL	mg/Kg	<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00399 esel Range Organ	Qualifier U ics (DRO) (	RL 0.00399		mg/Kg		Prepared	Analyzed 04/21/23 15:17	1
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00399 esel Range Organ Result <49.9	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC) RL 49.9		mg/Kg		Prepared	Analyzed 04/21/23 15:17  Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00399 esel Range Organ Result <49.9	Qualifier U ics (DRO) ( Qualifier U	RL 0.00399  GC) RL 49.9		mg/Kg  Unit mg/Kg		Prepared	Analyzed 04/21/23 15:17  Analyzed	1

**Eurofins Midland** 

(GRO)-C6-C10

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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27462-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/21/23 10:29	04/21/23 18:01	1
C10-C28)									
OII 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
	Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Diesel Range Organics (Over         <49.9	Diesel Range Organics (Over         <49.9         U           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9	Diesel Range Organics (Over         <49.9         U         49.9           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9	Diesel Range Organics (Over         <49.9         U         49.9           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9	Diesel Range Organics (Over         <49.9         U         49.9         mg/Kg           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9	Diesel Range Organics (Over         <49.9         U         49.9         mg/Kg           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9	Diesel Range Organics (Over C28)         <49.9 U         49.9 mg/Kg         04/21/23 10:29           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9 U	Diesel Range Organics (Over C28)         <49.9 U         49.9 mg/Kg         04/21/23 10:29 04/21/23 18:01           C10-C28)         Oll Range Organics (Over C28-C36)         <49.9 U

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')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27462-4

**Matrix: Solid** 

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

٧٥٥.٥	O	00.0		mg/rtg			04/24/20 12.42	į
sel Range Orga	nics (DRO)	(GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:23	1
<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:23	1
<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:23	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
96		70 - 130				04/21/23 10:29	04/21/23 18:23	1
109		70 - 130				04/21/23 10:29	04/21/23 18:23	1
	sel Range Orga           Result         <50.0	Result   Qualifier   U	sel Range Organics (DRO) (GC)           Result         Qualifier         RL           <50.0	sel Range Organics (DRO) (GC)           Result         Qualifier         RL         MDL           <50.0	sel Range Organics (DRO) (GC)           Result         Qualifier         RL         MDL         Unit           <50.0	sel Range Organics (DRO) (GC)           Result         Qualifier         RL         MDL         Unit         D           <50.0	sel Range Organics (DRO) (GC)           Result         Qualifier         RL         MDL         Unit         D         Prepared           <50.0	Result Qualifier         RL State of the properties

Method: EPA 300.0 - Anions, Ion Cl	hromatography - 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

Client: Carmona Resources

Date Received: 04/21/23 09:42

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

Method: SW846 8021B - Volatile Analyte		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	
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	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			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	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
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 - Diese	l Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/21/23 10:29	04/21/23 18:45	1
C10-C28)	~E0.0		50.0		m = // =		04/24/22 40:20	04/04/02 40:45	
Oll 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	Chromatograp	hy - Solubl	e						
Method: EPA 300.0 - Anions, Ion Analyte	• •	hy - Solubl Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Released to Imaging: 8/18/2023 3:19:50 PM

## **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

		DED4	DED 74	Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(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	
880-27462-1	H-1 (0.5')	112	104	
380-27462-2	H-2 (0.5')	106	107	
880-27462-3	H-3 (0.5')	111	102	
880-27462-4	H-4 (0.5')	91	90	
380-27462-5	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	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

**Matrix: Solid** Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-27462-1	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

Client: Carmona Resources

Job ID: 880-27462-1 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

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

Analysis Batch: 51664

**Matrix: Solid** 

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51686

	IVID	IAID							
Analyte	Result	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	
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 10:18	04/21/23 12:00	•
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/21/23 10:18	04/21/23 12:00	,

MB MB

MD MD

Surrogate	%Recovery	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

	<b>Spike</b>	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCSD LCSD

Surrogate	%Recovery	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

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

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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

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

**Matrix: Solid** 

Analysis Batch: 51664

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 51686

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

MS MS

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 51686

Analysis Batch: 51664

**Matrix: Solid** 

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

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

Result Qualifier Dil Esc

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 08:00	04/21/23 08:19	1
١										

MB MB

MB MB

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	1000	941.4		mg/Kg		94	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	919.4		mg/Kg		92	70 - 130	
C10-C28)								

Client: Carmona Resources Job ID: 880-27462-1 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23)

SDG: Lea County, NM

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

LCS LCS

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

Surrogate

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 51687

Lab Sample ID: LCSD 880-51687/3-A **Matrix: Solid** 

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

Analysis Batch: 51662

	Spik	e LCSD	LCSD				%Rec		RPD
Analyte	Adde	d Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	909.2		mg/Kg	_	91	70 - 130	3	20
(GRO)-C6-C10									
Diesel Range Organics (Over	100	903.4		mg/Kg		90	70 - 130	2	20
C10-C28)									

LCSD LCSD

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

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 51687

**Matrix: Solid** 

Analysis Batch: 51662

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

C10-C28)

ı		IVIS	IVIS	
	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 Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

Analysis Batch: 51662

Prep Type: Total/NA
Pren Batch: 51687

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

C10-C28)

Surrogate 1-Chlorooctane o-Terphenyl

INISD	MSD	
%Recovery	Qualifier	Limits
 121		70 - 130
110		70 120

Client: Carmona Resources

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

Job ID: 880-27462-1

SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography

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

**Matrix: Solid** 

MB MB

Client Sample ID: Method Blank **Prep Type: Soluble** 

Analysis Batch: 51816

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 04/22/23 22:58

Lab Sample ID: LCS 880-51737/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 51816** 

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

Lab Sample ID: LCSD 880-51737/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 51816

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 245.5 90 - 110 mg/Kg

Lab Sample ID: 880-27462-1 MS Client Sample ID: H-1 (0.5') **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 51816

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

Lab Sample ID: 880-27462-1 MSD Client Sample ID: H-1 (0.5') **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 51816

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

# **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	<u> </u>
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** 

Page 15 of 23

# **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 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

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

Client Sample ID: H-1 (0.5')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27462-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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') Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27462-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27462-3

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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')

Date Collected: 04/20/23 00:00

Date Received: 04/21/23 09:42

Lab Sample ID: 880-27462-4

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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

### **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')

Date Collected: 04/20/23 00:00 Date Received: 04/21/23 09:42 Lab Sample ID: 880-27462-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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**

Total BTEX

Client: Carmona Resources

Total BTEX

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	Pro	ogram	Identification Number	<b>Expiration Date</b>
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, bu	t the laboratory is not certifi	ed by the governing authority. This list ma	av include analytee for
the agency does not of	•	,	ou by the governing dualenty.	ay include arialytes to
• ,	•	Matrix	Analyte	ay include analytes for

Solid

### **Method Summary**

Client: Carmona Resources

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

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

**Method Description** 

**Total BTEX Calculation** 

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

**Deionized Water Leaching Procedure** 

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 880-27462-1

SDG: Lea County, NM

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID

EET MID

EET MID

**EET MID** 

SW846

SW846

ASTM

**Protocol References:** 

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

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: 880-27462-1

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

Work Order No: 27462

															Page	1 of	
Project Manager	Mike Carmona				Bill to (if dif	f different)								Work Ord	Work Order Comments		ı —
Company Name	Carmona Resources	nrces			Company Name	Name							Program; UST/PST PRP Prownfields PRC	PRP	ownfields RR	C Diperfund	Т
Address.	310 W Wall St Ste 500	Ste 500			Address.								State of Project:	; ; ]			<u></u>
City, State ZIP	Midland, TX 79701	701			City, State ZIP	ZIP							Reporting Level II Level III ST/UST	Level III	ST/UST   RRP	Level IV	
Phone	432-813-1992			Email								 [	Deliverables EDD				
Project Name.	Redbull 35 Fe	Redbull 35 Fed 1 Flare Fire (04 13 23)	re (04 13 23)	F	Turn Around		-				NAI VC	ANAI Veie DEOLIEET	Ta				1
Project Number		2013		Routine	✓ Rush	-	Pres.						-	-	ON anon	NO DI Water H-O	T-
Project Location	97 	Lea County, NM	≥	Due Date	48 H	Frs					$\perp$				200	MOON MO	
Sampler's Name		KGB						(0)									
# Od				T	(		s	+ W							7 H	NE CON	
SAMPLE RECEIPT		Temp Blank.	Yes No	Wet Ice.	Cen	2	neter ——	) BO	0'(						1 2504 112 11 DO 11 D	1900	
Received Intact:		ON C	Thermometer ID		12	A	me.		300						Ta PO4 EN	Q.	
Cooler Custody Seals.	) se X	10	Correction Factor	or.	11	S			əbir						NaHSO <sub>4</sub> NABIS	S 00	
Sample Custody Sea	Yes	1	Temperature Reading	eadino	.0	9			 040	***************************************					172 A 2014 1 1 1 0	90°	
က Total Containers		1	Corrected Temperature	perature	17	ļ,		9108	)						Zn Acetate+NaOH Zn	zn Acetate+nach zn NaCH+Ascorbic Acid SABC	
							T	в На							NaCh+Asco	raic Acid SAPC	7
Sample Identification	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	qT							Sampl	Sample Comments	
(s o) 1-H	0 5')	4/20/2023		×		ပ	-	×	×					-			Т
H-2 (0 5')	0 5')	4/20/2023		×		ပ	-	×	×						?		Т
H-3 (0 5)	0 5')	4/20/2023		×		တ	-	×	×		-	<u> </u>					Т-
H-4 (0 5')	0 5')	4/20/2023		×		ပ	۲- ×	×	×					+	-		т
H-5 (0 5')	0 5')	4/20/2023		×		O	-	×	×		1						T
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											}/ 	20-21462	CO-27 462 Chain of Custody				T
				and a	4	-		-				-	-	-			T
																	1
Comments Ema	Comments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources com	ona / Wcarm	ona@carmon:	aresources.co	om and Cor	mer Moei	nring / C	noshrin	g@carmor	naresou	rces cor						
		Retinduished I	Relinquished by (Signature)				Dai	Date/Time				Receiv	Received by: (Signature)			Date/Time	1
4/2							778	# 2 P	<u>, , , , , , , , , , , , , , , , , , , </u>			$\geqslant$					
4/2(																	T-
023																	7

# **Login Sample Receipt Checklist**

Client: Carmona Resources

Job Number: 880-27462-1

SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 27462 List Number: 1

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	N/A	

-

2

3

4

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13

14

<6mm (1/4").



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023

05/18/2023 REDBULL 35 FED 1 FLARE FIRE (04.13.2

Project Name: REDB Project Number: 2013

Project Location: LEA COUNTY, NM

Sampling Date: 05/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

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

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	179	% 49.1-14	8						

Applyand By 14/

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Celey & Keene



### Analytical Results For:

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

Received: 05/17/2023 Reported:

05/18/2023 REDBULL 35 FED 1 FLARE FIRE (04.13.2)

Project Number: 2013

Project Name:

Project Location: LEA COUNTY, NM Sampling Date: 05/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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

BTEX 8021B	mg/	kg	Analyze	d 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*	0.286	0.150	05/17/2023	ND	6.71	112	6.00	13.7	GC-NC1
Total BTEX	<0.300	0.300	05/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	196	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 05/17/2023 Reported:

Sampling Date: 05/17/2023 05/18/2023 Sampling Type: Soil

Project Name:

REDBULL 35 FED 1 FLARE FIRE (04.13.2) Sampling Condition: Cool & Intact Sample Received By: Project Number: 2013 Tamara Oldaker

Applyzod By: 1H /

Project Location: LEA COUNTY, NM

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keene



05/17/2023

### Analytical Results For:

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

Received: 05/17/2023 Reported:

05/18/2023 Sampling Type: Soil

Sampling Date:

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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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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 Reported: 05/18/2023 Sampling Date: 05/17/2023 Sampling Type: Soil

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2) Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Number: 2013

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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023

Sampling Date: 05/17/2023 Sampling Type:

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2) Project Number: 2013

Project Location: LEA COUNTY, NM

Soil Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

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 9	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023 Sampling Date: 05/17/2023
Sampling Type: Soil

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 2013

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	% 71.5-13	4						
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	97.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/17/2023 Reported:

Sampling Date: 05/17/2023 05/18/2023 Sampling Type: Soil

Project Name: Project Number: 2013

REDBULL 35 FED 1 FLARE FIRE (04.13.2) Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg,	'kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023 Sampling Date: 05/17/2023
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	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023

05/18/2023 Sampling Type: REDBULL 35 FED 1 FLARE FIRE (04.13.2 Sampling Condition:

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2 Project Number: 2013

Project Location: LEA COUNTY, NM

Sampling Date: 05/17/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Tamara Oldaker

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

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.1	% 49.1-14	8						

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Celeg D. Freene



Cool & Intact

#### Analytical Results For:

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

Received: 05/17/2023 Reported:

Sampling Date: 05/17/2023 05/18/2023 Sampling Type: Soil

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2)

Sampling Condition: Sample Received By: Project Number: 2013 Tamara Oldaker

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keene



Tamara Oldaker

#### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023

 05/17/2023
 Sampling Date:
 05/17/2023

 05/18/2023
 Sampling Type:
 Soil

 REDBULL 35 FED 1 FLARE FIRE (04.13.2)
 Sampling Condition:
 Cool & Intact

Sample Received By:

Project Name: REDBULL 35 FED 1 FLARE FIRE (04.13.2 Project Number: 2013

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg,	'kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

Janogue. 1 Chlorobellaceane 70.0 / 70 47.1 140

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/17/2023 Reported: 05/18/2023 Sampling Date: 05/17/2023 Sampling Type: Soil

Project Name:

REDBULL 35 FED 1 FLARE FIRE (04.13.2)

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number:

Project Location: LEA COUNTY, NM

2013

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

covery True Value QC RPD Qualifier
11 2.00 16.2
12 2.00 14.6
08 2.00 13.7
12 6.00 13.7
covery True Value QC RPD Qualifier
08 400 7.69
covery True Value QC RPD Qualifier
0.0 200 1.20
1.9 200 2.20
)

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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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Celeg D. Freene

# **Chain of Custody**

Work Order No:	
4752485	Tor Carl

Received by OCD: 6/1/2023 8:.	0	50 2	1M •>	N	6	S	4	C	10	1-																
Comments: Email to Mike Carmona /	SW-5 (1.5')		SW-3 (3')				\				Samı	Total Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	ate ZIP:		Company Name:	
Reli	5')										ification		Yes	Yes	Yes				Le		Redbull 35 Fe	432-813-1992	Midland, TX 79701	310 W Wall St Ste 500	Carmona Resources	
nquished b	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	5/17/2023	Date		No N/A	No N/A	No	Temp Blank:		KGB	Lea County, NM	2013	ed 1 Flare		01	ite 500	ırces	
Relinquished by: (Signature)  Date/Time  5/17/25 / 600							i	a			Time	Corrected Temperature:	Temperature Reading:	Correction Factor	Thermometer ID:	Yes Mo			MM		Redbull 35 Fed 1 Flare Fire (04.13.23)					
esources.com	×	×	×	×	×	×	×	×	×	×	Soil	erature:	eading:	סת	);	Wet Ice:			Due Date:	□ Routine	Turn	Email:				
and Conner M	0	0	C	C	C	C	С	С	0	С	Water Comp	39:	35.4	-0,60	21/3	Yes No			24 Hrs	☑ Rush	Turn Around		City, State ZIP:	Address:	Company Name	Dilly to: (ii dillelelli
Ochring / Cmos	_	_	_	_	_	_	_	_	1	1	# of Cont			Pa	ram	eter	s			Pres.					e:	
Cmoehri Date/Time	×	+	+	+	+	×	×	×	×	×			вт	EX 8	3021	В										Carmio
ring@c	×	+	+	+	+	+	+	×	×	×	TP	H 801		GRO	_		+ MR	(0)	+							Carmona Resources
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as.com	+	+	+	+	+	+	+	+	+	+					_				+	$\dashv$	ANALYSIS REQUEST					
Received		1	1	1	1	1	1	1											+		S REQU					_
edby (signature)																					JEST	Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: HST/DST   bb	Wo
	$\frac{1}{2}$				+	+	+	1	+	+				_					+							L Order
	7							T			Sa	NaOH+,	7n Acat	Na S O	מוסונים ו	П <sub>2</sub> SU <sub>4</sub> : Н <sub>2</sub>	HCL: HC	Cool: Cool	None: NO		0		□ST/UST	Commence	COIIIII	Commo
Da											imple C	NaOH+Ascorbic Acid:	Zn Apotata Naco	NansO4: NABIS	ב ד ס	5 2	. 0	00	Ö	DALISCO	rocorvat	Other:	RRP	KC		- nin
Date/Time											Sample Comments	NaOH+Ascorbic Acid: SAPC	1. 7			NaOH: Na	HNO <sub>3</sub> : HN	MeOH: Me	DI Water: H <sub>2</sub> 0	Santa culta	To Code		Level IV	*_perfund	ב	

Page   Common   Page   Commo	om u	5.	monts: Empil to				SW-8 (1.5')	SW-7 (1.5')	SW-6 (1.5')	Sample Identification	al Containers:	nple Custody Seals:	oler Custody Seals:	eived Intact:	MPLE RECEIPT	# -	npler's Name:	ject Number:	ject Name:	one: 43	y, State ZIP: Mi	dress: 31	mpany Name: Ca	oject Manager: Mi				
Work Order No: ### ###############################		wike Carmona / MCarm									1	No	No			700	Lea County,	2013	Redbull 35 Fed 1 Flare	2-813-1992	dland, TX 79701	0 W Wall St Ste 500	armona Resources	ke Carmona				
Work Order No: H23248    Page 2 of 2   Work Order Comments	y: (Signature)	ona@carmonare					-			Time	Corrected Tempe	Temperature Rea	Correction Factor	Thermometer ID:	Yes Mo		M		ire (04.13.23)									,
Work Order No: H23248    Page 2 of 2   Work Order Comments		sources.com					×	×	×	Soil	erature:	ading:			Wet Ice:		Due Date:		Turn	Email:								
Work Order No: H23248    Page 2 of 2   Work Order Comments		and Conner									3.9:	4.5:	-0.60	il i	. Xes No		24 Hrs	☑ Rush	Around		City, State Z	Address:	Company Na	Bill to: (if diffe				
Work Order No: H23248    Page 2 of 2   Work Order Comments		r Moehring					7 1		_				Pa			1		Pres. Code			IP:		ame:	rent)			0	Chair
Work Order No: H23248  Program: USTIPST   PRP   rownfields   RC   perfund   State of Project:  Reporting Level III   Level III   ST/UST   RRP   Level IV   Deliverables: EDD   ADaPT   Other:  VSIS REQUEST   Preservative Codes   None: NO   Di Water: H2   None: NO   Di Water: H2   NaSO <sub>2</sub> : H2   NaSO <sub>3</sub> : NASO <sub>3</sub>   NaSO <sub>4</sub> : NaSO <sub>3</sub>   NaSO <sub>4</sub> : NaSO <sub>4</sub> : NaSO <sub>4</sub> : NaSO <sub>4</sub> : NaSO <sub>5</sub> : Os   NaSO <sub>4</sub> : NaSO <sub>5</sub> : Os   NaSO <sub>4</sub> : NaSO <sub>5</sub> : NaSO <sub>5</sub> : NaSO <sub>5</sub> : NaSO <sub>6</sub> : NaSO <sub>7</sub> : NaSO	Date/Ti	/ Cmoe				, sq.	×	×	×			вт	EX 8	3021	В									Carm			9	2
Work Order No: H23248  Page 2 of 2  Work Order Comments  Page 2 of 2  Work Order Comments  Program: UST/PST   PRP   rownfields   RC   perfund   State of Project:  Reporting Level III   Level III   ST/UST   RRP   Level IV  Deliverables: EDD   ADaPT   Other:  Preservative Codes  None: NO DI Water: HC HNO;: HN H250; HP2 NaOH: Na H350; NABIS  Na_S_S_O; NABIS  Na_S_S_O; NABIS  Na_S_S_O; NABOH: Acid: SAPC  Sample Comments  Page 2 of 2  Work Order Comments  Preservative Codes  NaOH: NA Costate-NaOH: Zn NaOH: NaO	me	hring@ca			+	$\parallel$	$\vdash$	$\dashv$	$\dashv$	TP	H 801	_		_		MRC	))							ona Resou	) -		John	71017
Work Order No: H23248  Page 2 of 2  Work Order Comments  Page 2 of 2  Work Order Comments  Program: UST/PST   PRP   rownfields   RC   perfund    State of Project:  Reporting Level III   Level III   ST/UST   RRP   Level IV  Deliverables: EDD   ADAPT   Other:  VSIS REQUEST   Preservative Codes  None: NO DI Water: Preservative Codes  None: NO DI Water: Preservative Codes  Naciot: Cool   MeOH: Me    H,POc.; H2   NaOH: Na    NaOH: Na		armonare																						rces			Juy	2
Work Order No: ### ###############################		sources.						+	1			_	_						ANA									
Page 2 of 2  Work Order Comments  rram: UST/PST   PRP	R	com		$\prod$			7		1										LYSIS R									
Work Order No: ### ###############################				$\forall$				+	+					* 1				$\dashv$	EQUEST	Deli	Rep	Stat	Pro					
Page 2 of 2  Order Comments  ST/UST RRP Level IV ADAPT Other:  Preservative Codes  None: NO DI Water. H Cool: Cool MeOH: Ma H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : H <sub>2</sub> NaOH: Zn NaOH+Ascorbic Acid: SAPC  Sample Comments														-			,			erables:	orting:Lev	e of Proje	ıram: US					
Page 2 of 2  Order Comments    ST/UST   RRP   Level IV ADAPT   Other:    Preservative Codes   None: NO   DI Water: HCL: HC   HNO3: HN   H <sub>2</sub> SO <sub>4</sub> : HP   NaHSO <sub>4</sub> : NABIS   Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>   Zn Acetate+NaOH: Zn   NaOH: Ascentiate+NaOH: Zn   NaOH: Ascentiate   NaOH: Ascentiate   NaOH: Na   NaOH: Ascentiate   NaOH: Ascentiate   NaOH: Na   NaOH: Ascentiate   NaOH: Na   N					+		H	+	+									-		EDD [		et:	T/PST			Worl		
Page 2 of 2 mments  Is RC   perfund  RRP   Level IV Other:  Preservative Codes 10: Cool MeOH: Me 11: HC HNO3: HN 04: H2 NaOH: Na 04: HP ISO4: NABIS S2O3: NASO3 Voetate+NaOH: Zn 0H+Ascorbic Acid: SAPC  Sample Comments							7	1	1														ÞRÞ 🗀	Vork Or		k Order		
22_ of _2  2 _ of _2  C			$\vdash$	+			_	+			NaOi	7- 1	Na Na	H <sub>3</sub> F(	H <sub>2</sub> Si	HCL	Cool	None		DaPT 🗆	]ST/UST	CWILLIAM	ownfield	der Com		No:		
										Sample	H+Ascorbi	otato Man	O- Nasc	O4: HT	) <sub>4</sub> : H <sub>2</sub>	H.	Cool	NO S	Preserve	Othe	RRP		,   Bc	1		H2		
										Comments	c Acid: SAPC	OH. 7-	7 7		NaOH: Na	HNO <sub>3</sub> : HN	МеОН: Ме	DI Water: H <sub>2</sub>	ative Codes	n 	Level IV				of	3248		

1 dgc 17 ci 17

**Environment Testing** 

## **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 <u>Jessica.Kramer@et.eurofinsus.com</u> (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**

Job ID: 880-28597-1 Client: Carmona Resources Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

**Qualifiers** 

**GC VOA** 

Qualifier **Qualifier Description** 

Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

Qualifier **Qualifier Description** 

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

**HPLC/IC** 

Qualifier **Qualifier Description** 

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** 

Detection Limit (DoD/DOE) DΙ

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 Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

**TNTC** Too Numerous To Count

**Eurofins Midland** 

#### **Case Narrative**

Client: Carmona Resources

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

SDG: Lea County, NM

Job ID: 880-28597-1

Job ID: 880-28597-1

**Laboratory: Eurofins Midland** 

Narrative

Job Narrative 880-28597-1

#### 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

Lab Sample ID: 880-28597-1

Matrix: Solid

Client Sample ID: CS-1 (3.5')	
Date Collected: 05/18/23 00:00	

Date Received: 05/18/23 16:42

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	
Toluene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/18/23 16:48	05/19/23 11:33	
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/18/23 16:48	05/19/23 11:33	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/18/23 16:48	05/19/23 11:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				05/18/23 16:48	05/19/23 11:33	
1,4-Difluorobenzene (Surr)	93		70 - 130				05/18/23 16:48	05/19/23 11:33	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/19/23 14:56	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			05/19/23 12:47	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 11:17	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 11:17	
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/19/23 07:57	05/19/23 11:17	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	88		70 - 130				05/19/23 07:57	05/19/23 11:17	
o-Terphenyl	90		70 - 130				05/19/23 07:57	05/19/23 11:17	
Method: EPA 300.0 - Anions, Ion	Chromatogran	hy - Solub	e						
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: CS-2 (3.5')

43.5

Date Collected: 05/18/23 00:00

Chloride

Date Received: 05/18/23 16:42

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

5.01

mg/Kg

**Eurofins Midland** 

05/19/23 12:22

**Matrix: Solid** 

Lab Sample ID: 880-28597-2

#### **Client Sample Results**

Client: Carmona Resources

Chloride

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

Job ID: 880-28597-1

05/19/23 12:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/19/23 14:56	
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			05/19/23 12:47	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 <49.9		49.9 49.9		mg/Kg mg/Kg		05/19/23 07:57 05/19/23 07:57	05/19/23 12:20 05/19/23 12:20	
` ,	<49.9		49.9		mg/Kg		05/19/23 07:57	05/19/23 12:20	
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/19/23 07:57	05/19/23 12:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				05/19/23 07:57	05/19/23 12:20	
o-Terphenyl	90		70 - 130				05/19/23 07:57	05/19/23 12:20	

4.97

mg/Kg

53.5

#### **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)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(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	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA **Matrix: Solid** 

_			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

**Eurofins Midland** 

#### QC Sample Results

Client: Carmona Resources

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

	MB	MR							
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 11:11	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

MB MB

MD MD

Surrogate	%Recovery 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 <sub>-</sub> 130	05/18/23 16:48	05/19/23 11:11	1

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA Prep Batch: 53707

Prep Type: Total/NA

Prep Batch: 53707

10

35

Lab Sample ID: LCS 880-53707/1-A **Matrix: Solid Analysis Batch: 53724** 

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

LCS LCS

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

Lab Sample ID: LCSD 880-53707/2-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 53724

Spike	LCSD	LCSD				%Rec		RPD	
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
 0.100	0.1269		mg/Kg		127	70 - 130	2	35	
0.100	0.1180		mg/Kg		118	70 - 130	12	35	
0.100	0.1192		mg/Kg		119	70 - 130	9	35	
0.200	0.2533		mg/Kg		127	70 - 130	9	35	

mg/Kg

127

70 - 130

LCSD LCSD

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

Lab Sample ID: 880-28597-1 MS Client Sample ID: CS-1 (3.5')

0.100

**Matrix: Solid** 

Toluene

Prep Type: Total/NA Analysis Batch: 53724 Prep Batch: 53707 Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits <0.00200 U 0.0990 0.1088 110 Benzene mg/Kg 70 - 130

0.1265

<0.00200 U 0.0990 0.09163 mg/Kg 93 70 - 130 **Eurofins Midland** 

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#### **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

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

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

MS MS

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

Client Sample ID: CS-1 (3.5')

Prep Type: Total/NA

Prep Batch: 53707

Analysis Batch: 53724

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery Q	ualifier	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** 

**Matrix: Solid** 

Analysis Batch: 53715

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53720

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

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	l 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

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

**Eurofins Midland** 

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

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53720

Lab Sample ID: LCSD 880-53720/3-A **Matrix: Solid** 

Analysis Batch: 53715

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

LCSD LCSD

Surrogate %Recovery Qualifier Limits 77 70 - 130 1-Chlorooctane 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

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 999 881.1 mg/Kg 88 70 - 130 (GRO)-C6-C10 70 - 130 Diesel Range Organics (Over <50.0 U 999 936.4 mg/Kg 91

C10-C28)

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

Lab Sample ID: 880-28597-1 MSD Client Sample ID: CS-1 (3.5')

Cailes

Α

Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 53715	Prep Batch: 53720

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

C10-C28)

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

**Eurofins Midland** 

Camania Camania

#### QC Sample Results

Client: Carmona Resources

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

Job ID: 880-28597-1

Client Sample ID: CS-1 (3.5')

**Prep Type: Soluble** 

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** 

мв мв

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 05/19/23 12:06

Lab Sample ID: LCS 880-53737/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 53773** 

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

Lab Sample ID: LCSD 880-53737/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 53773** 

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 254.0 mg/Kg 102 90 - 110

Lab Sample ID: 880-28597-1 MS Client Sample ID: CS-1 (3.5') **Prep Type: Soluble** 

**Matrix: Solid** 

**Analysis Batch: 53773** 

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

Lab Sample ID: 880-28597-1 MSD

**Matrix: Solid** 

Analysis Batch: 53773

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

**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

#### **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 Camaria ID	Olivert Overselle ID	D T	B. a. d. a. b.	Madh a d	Door Dodok
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** 

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## **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

**Eurofins Midland** 

#### **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')

Date Collected: 05/18/23 00:00 Date Received: 05/18/23 16:42 Lab Sample ID: 880-28597-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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 Matrix: Solid

Date Collected: 05/18/23 00:00

Date Received: 05/18/23 16:42

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	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**

Total BTEX

Client: Carmona Resources

Total BTEX

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	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report by	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes f
0 ,		it the laboratory to not corum	od by the governing dutienty. The not me	ay intolado dilalytoo i
the agency does not of	lei ceruncation.			
the agency does not of Analysis Method	Prep Method	Matrix	Analyte	

Solid

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#### **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

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
S/N/8/16	EET MID

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: 880-28597-1

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

Work Order No: 29597

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Project Manager	Mike Carmona				Bill to: (if different)	Çu.	Carm	Carmona Resources	urces					-	Work Order Comments	rder Cor	nments	
Company Name.	Carmona Resources	urces			Company Name	ne						Ä	ogram: L	Program: UST/PST	PRP	rownfields	lds RC	perfund
Address.	310 W Wall St Ste 500	Ste 500			Address							Ste	State of Project:		1			j
City, State ZIP	Midland, TX 79701	701			City, State ZIP	,						e e	porting L	Reporting Level II		□st/ust	T   RRP	☐Level IV ☐
Phone.	432-813-1992			Email									Deliverables	S EDD [		ADaPT	] Other	- 1
Project Name	Redbull 35 F	Redbull 35 Fed 1 Flare Fire (04.13 23)	e (04.13 23)	Turn	Turn Around					A	IALYSIS	ANALYSIS REQUEST	=			-	Preserva	Preservative Codes
Project Number		2013		☐ Routine	✓ Rush	Pres. Code					-					S	None NO	DI Water H <sub>2</sub> O
Project Location		Lea County, NM	5	Due Date	24 Hrs			-				<u> </u>	_			8	Cool Cool	MeOH Me
Sampler's Name		KGB						(OAM								포	HCL HC	HNO <sub>3</sub> HN
PO#	-					SJO		+0								Ť	H <sub>2</sub> S0 <sub>4</sub> H <sub>2</sub>	NaOH Na
SAMPLE RECEIPT		Jempalank.	Yes No	Wet Ice	(Yes / No		81		ons							ľ	н₃РО₄ НР	
Received Intact:	Κγes	s JNo	Thermometer ID		H	, ,	802		g ən							S.	NaHSO, NABIS	S
Cooler Custody Seals.	Yes	No (N/A)	Correction Factor	or.	262	ea	TEX		'nolr							Z	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	ດ
Sample Custody Seals	Yes	No N/A	Temperature Reading	ading	15.4 1		18		40							Zu	Zn Acetate+NaOH Zn	OH Zn
Total Containers			Corrected Temperature:	erature:	(.2.)			108								RZ Z	OH+Ascorbi	NaOH+Ascorbic Acid SAPC
Samula Identification	utification	Dofe.	Timo	Ilos	-	Grab/ # of	T	НФТ					••••••			<u>L.</u>		
	i cuito di Colo	<b>8</b>	e VIII	lioe	ater	Comp Con											Sample	Sample Comments
CS-1 (3 5)	(3.5)	5/18/2023		×		C 1	×	×	×		<u> </u>		_	L			102	
CS-2 (3 5')	(3 5')	5/18/2023		×		C 1	×	×	×			ļ	<u> </u>			-		
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Comments Email to Mike Carmona / Mcarmona@carmonaresources.com an	il to Mike Carm	ona / Mcarmo	ona@carmona	resources.com	and Conne	d Conner Moehring / Cmoehring@carmonaresources.com	3 / Cmo	ehring@	ycarmona	resourc	es.com							
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#### **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-28597-1 SDG Number: Lea County, NM

List Source: Eurofins Midland

Login Number: 28597 List Number: 1

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	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	
s 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	N/A	

<6mm (1/4").

**Environment Testing** 

## **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 <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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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 Job ID: 880-28668-1 Project/Site: Redbull 35 Fed 1 Flare Fire (04.13.23) SDG: Lea County, NM

#### **Qualifiers**

GC '	VOA
Quali	ifior

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	

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

MCL

MDA

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)

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)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry)

NEG Negative / Absent Positive / Present POS **Practical Quantitation Limit** PQL **PRES** Presumptive

**Quality Control** QC 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)

Too Numerous To Count TNTC

**Eurofins Midland** 

#### 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.

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

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: 880-28668-1

Matrix: Solid

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

Date Collected: 05/18/23 00:00 Date Received: 05/22/23 15:28

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	
Toluene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/22/23 15:42	05/22/23 21:26	
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/22/23 15:42	05/22/23 21:26	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/22/23 15:42	05/22/23 21:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130				05/22/23 15:42	05/22/23 21:26	
1,4-Difluorobenzene (Surr)	78		70 - 130				05/22/23 15:42	05/22/23 21:26	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/23/23 09:03	
Method: SW846 8015 NM - Diese	ol Banga Organ	ice (DBO) (	00)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/23/23 08:21	Dil Fa
Analyte Total TPH	Result   <50.0	Qualifier U	<b>RL</b> 50.0	MDL		<u>D</u>	Prepared		Dil Fa
Analyte Total TPH	Result <50.0	Qualifier U	<b>RL</b> 50.0			D_	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	05/23/23 08:21	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  sel Range Orga Result	Qualifier U nics (DRO) Qualifier U *1	70.0 (GC)		mg/Kg		Prepared	05/23/23 08:21  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0  sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U *1	RL   50.0		mg/Kg  Unit mg/Kg		Prepared 05/22/23 15:45	05/23/23 08:21  Analyzed  05/22/23 19:01	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies	Result	Qualifier U  nics (DRO) Qualifier U *1 U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 05/22/23 15:45 05/22/23 15:45	05/23/23 08:21  Analyzed  05/22/23 19:01  05/22/23 19:01	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U *1 U	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 05/22/23 15:45 05/22/23 15:45 05/22/23 15:45	05/23/23 08:21  Analyzed  05/22/23 19:01  05/22/23 19:01	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  nics (DRO) Qualifier U *1 U	RL   50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 05/22/23 15:45 05/22/23 15:45 05/22/23 15:45 Prepared	05/23/23 08:21  Analyzed  05/22/23 19:01  05/22/23 19:01  05/22/23 19:01  Analyzed	Dil Fa
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)  Surrogate	Result   <50.0	Qualifier U  nics (DRO) Qualifier U *1 U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 05/22/23 15:45 05/22/23 15:45 05/22/23 15:45  Prepared 05/22/23 15:45	05/23/23 08:21  Analyzed 05/22/23 19:01 05/22/23 19:01  Analyzed 05/22/23 19:01	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U  nics (DRO) Qualifier U *1 U  Qualifier	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 05/22/23 15:45 05/22/23 15:45 05/22/23 15:45  Prepared 05/22/23 15:45	05/23/23 08:21  Analyzed 05/22/23 19:01 05/22/23 19:01  Analyzed 05/22/23 19:01	Dil Fac

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

Date Collected: 05/18/23 00:00

Date Received: 05/22/23 15:28

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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

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Lab Sample ID: 880-28668-2

**Matrix: Solid** 

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#### **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')** 

Date Collected: 05/18/23 00:00 Date Received: 05/22/23 15:28

Lab Sample ID: 880-28668-2

Matrix: Solid

Method: TAL SOP Total BTEX - T			-			_			B.: F
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/23/23 09:03	•
Method: SW846 8015 NM - Diese	I Range Organ	ics (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 - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		05/22/23 15:45	05/22/23 19:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		05/22/23 15:45	05/22/23 19:22	1
C10-C28)									
OII 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	Chromatograp	hv - Solubl	e						
Analyte	• .	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.7		5.01		mg/Kg			05/22/23 20:44	

Released to Imaging: 8/18/2023 3:19:50 PM

# **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

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(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

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Prep Type: Total/NA **Matrix: Solid** 

_			
		1001	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(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

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

	MB	MB							
Analyte	Result	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

MB MB

Surrogate	%Recovery Q	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 <sub>-</sub> 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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery 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

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

LCSD LCSD

Surrogate	%Recovery	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

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

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# **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

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

**Matrix: Solid** 

Analysis Batch: 53830

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53609

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

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

**Client Sample ID: Matrix Spike Duplicate** 

Prep Type: Total/NA

Prep Batch: 53609

**Analysis Batch: 53830** 

**Matrix: Solid** 

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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

MSD MSD

Surrogate	%Recovery	Qualifier	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

	IVID	IAID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/22/23 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
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/22/23 10:14	05/22/23 11:17	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	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

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

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

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

# QC Sample Results

Job ID: 880-28668-1 Client: Carmona Resources 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** 

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

**Matrix: Solid** Analysis Batch: 53824 Prep Batch: 53877

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 1169 \*1 117 70 - 13022 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1106 mg/Kg 111 70 - 1308 20 C10-C28)

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 Client Sample ID: Matrix Spike

**Matrix: Solid** 

**Analysis Batch: 53824** 

Prep Type: Total/NA

Prep Batch: 53877

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U \*1 998 974.5 mg/Kg 95 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 1101 mg/Kg 108 70 - 130 C10-C28)

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

Lab Sample ID: 890-4695-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

**Matrix: Solid** 

Analysis Batch: 53824

Prep Type: Total/NA

Prep Batch: 53877

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics U \*1 999 1003 98 <49.9 mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 1032 mg/Kg 101 70 - 130 20 C10-C28)

MSD MSD

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

# 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: 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** 

MB MB MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 05/22/23 18:14

Lab Sample ID: LCS 880-53784/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble** 

**Analysis Batch: 53793** 

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

Lab Sample ID: LCSD 880-53784/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 53793

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 254.0 mg/Kg 102 90 - 110

Lab Sample ID: 880-28618-A-1-C MS Client Sample ID: Matrix Spike **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 53793

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

Lab Sample ID: 880-28618-A-1-E MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble** 

**Matrix: Solid** 

Analysis Batch: 53793

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 248 Chloride 56.0 298.5 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

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### **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	

# **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

Lab Sample ID: 880-28668-1

Matrix: Solid

Date Collected: 05/18/23 00:00 Date Received: 05/22/23 15:28

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

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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

Lab Sample ID: 880-28668-2

Matrix: Solid

Date Received: 05/22/23 15:28

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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**

Total BTEX

Client: Carmona Resources

Total BTEX

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 Progra Texas NELAP		ogram	Identification Number	Expiration Date 06-30-23	
		LAP	T104704400-22-25		
The following englytee	are included in this report by	t the leberatory is not cortifi	ied by the governing outhority. This list me	vinaluda analytaa fary	
the agency does not of	fer certification.	•	ied by the governing authority. This list ma	ay include analytes for w	
• ,	•	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for w	

Solid

# **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

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

Released to Imaging: 8/18/2023 3:19:50 PM

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

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# **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

Work Order No: 28669

DI Water H<sub>2</sub>O Diperfund HNO<sub>3</sub>. HN NaOH Na Level IV Preservative Codes MeOH Me NaOH+Ascorbic Acid SAPC Sample Comments Date/Time ۵ Zn Acetate+NaOH Zn Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> NaSO<sub>3</sub> NaHSO<sub>4</sub> NABIS ORRP Program: UST/PST PRP Drownfields RC Other 880-28668 Chain of Custody Cool Cool HCL HC H<sub>2</sub>SO<sub>4</sub> H<sub>2</sub> H<sub>3</sub>PO<sub>4</sub> HP Page\_ None NO Reporting Level II Level III ST/UST ADaPT Deliverables EDD Received by (Signature) State of Project: ANALYSIS REQUEST Jomments Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources com Carmona Resources × × Chloride 300 1528 Date/Time × (OAM + OAG + OAS) M2108 HTT × × 8/22/23 81EX 8021B # of Cont Pres. Code Parameters Сошр Grab/ တ တ Bill to (if different) Company Name City, State ZIP: (Yes No 24 Hrs wc, yo ✓ Rush Address Water Turn Around Email Wet Ice Routine **Due Date** Soil × × Corrected Temperature Temperature Reading Correction Factor Thermometer ID Relinquished by' (Signature) Yes (No) Redbull 35 Fed 1 Flare Fire (04 13 23) Time Lea County, NM 5/18/2023 5/18/2023 Yes No (NA) Date KGB Yes No N/A Temp Blank. 310 W Wall St Ste 500 Carmona Resources Midland, TX 79701 Mike Carmona 432-813-1992 Sample Identification D Sample Custody Seals.

O Total Containers. H-2 (0-0 5') H-3 (0-0 5') SAMPLE RECEIPT Cooler Custody Seals 3 Sampler's Name. Project Manager Received Intact: Company Name Project Number Project Location City, State ZIP Project Name. # Od

19 of 20

13 14

5/23/2023

# **Login Sample Receipt Checklist**

Client: Carmona Resources Job Number: 880-28668-1

SDG Number: Lea County, NM

Login Number: 28668 List Source: Eurofins Midland List Number: 1

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	N/A	

**Eurofins Midland** 

<6mm (1/4").

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

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:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	222594
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	8/18/2023