

CARMONA RESOURCES



SITE INFORMATION

Closure Report
Patron 23 Federal 004H (07.15.2023)
Incident #: NAPP2320850638
Eddy County, New Mexico
Unit D Sec 23 T25S R29E
32.1221°, -103.9485°

Crude Oil Release
Point of Release: Flare fire
Release Date: 07.15.2023
Volume Released: 0.011 Barrels of Crude Oil
Volume Recovered: 0 Barrels of Crude Oil

CARMONA RESOURCES



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

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

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



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September 27, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report
Patron 23 Federal 004H (07.15.2023)
Concho Operating, LLC
Site Location: Unit D, S23, T25S, R29E
(Lat 32.1221°, Long -103.9485°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Patron 23 Federal 004H (07.15.2023). The site is located at 32.1221, -103.9485 within Unit D, S23, T25S, R29E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 15, 2023, causing a flare fire. It resulted in approximately zero point zero one one (0.011) barrels of crude oil and zero (0) barrels of crude oil recovered. The impacted area occurred on the pad and into the pasture, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. A groundwater determination bore is located approximately 0.04 miles north of the release and was drilled in 2021. The soil bore was drilled to a depth of 105 feet below ground surface (ft bgs) and was reported to be dry after 72 hours. A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 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 July 31, 2023, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of four (4) sample points (S-1 through S-4) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 1.0' bgs inside and around the



perimeter of 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 September 21, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of ten (10) confirmation floor samples were collected (CS-1 through CS-10), and eighteen (18) sidewall samples (SW-1 through SW-18) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0/4500. 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 4A and 4B.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 120 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 get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

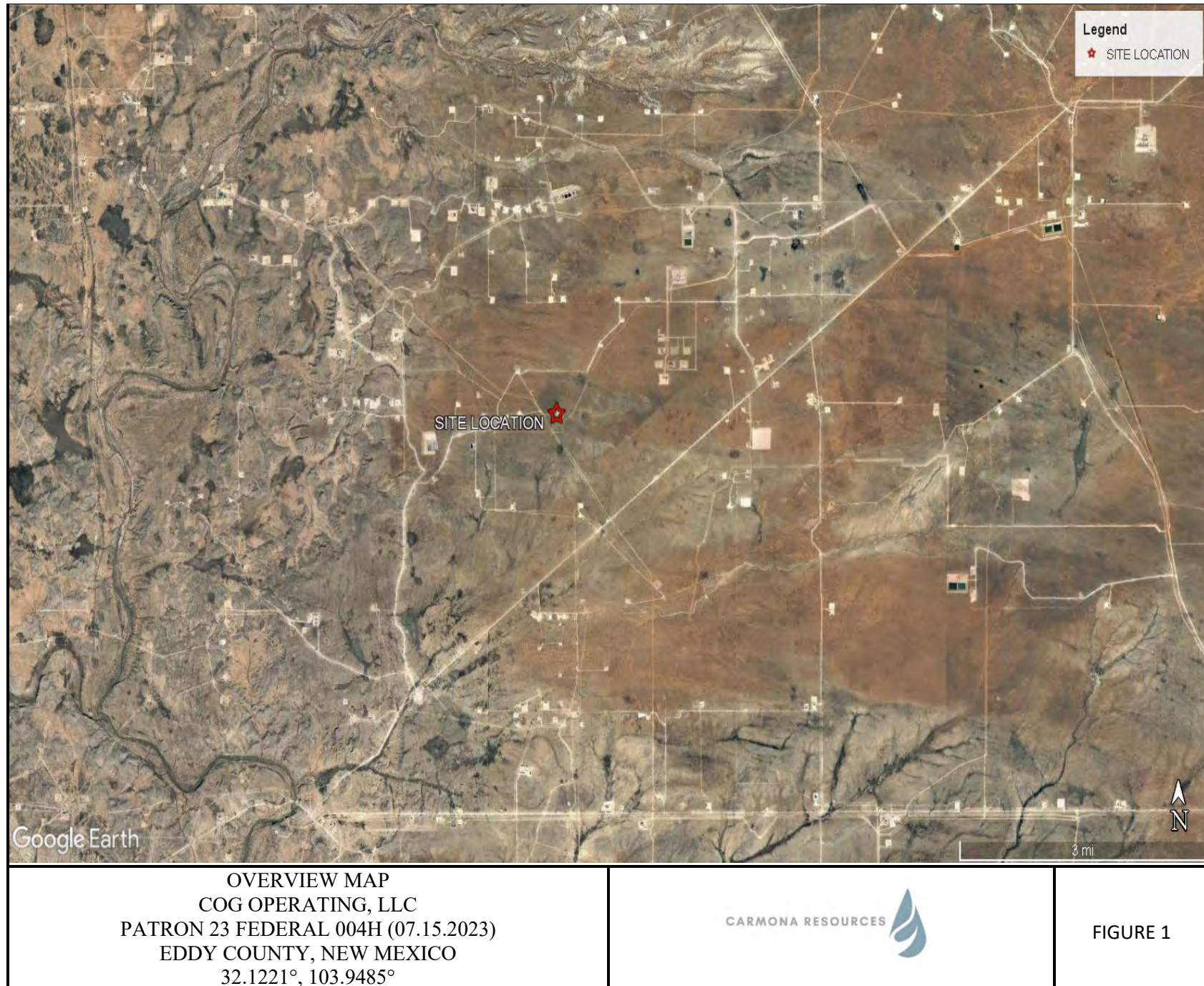
Mike Carmona
Environmental Manager

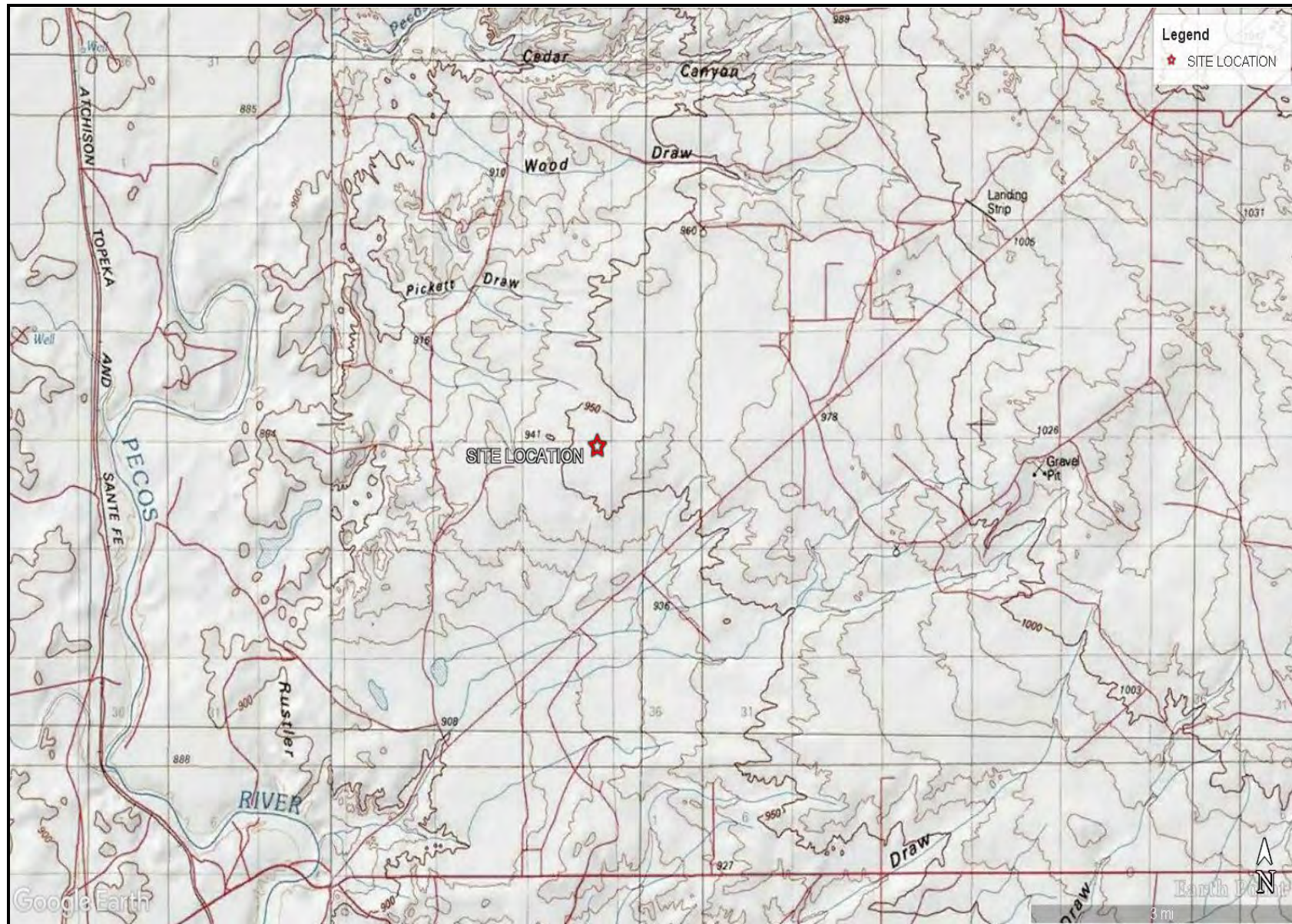
Ashton Thielke
Sr. Project Manager

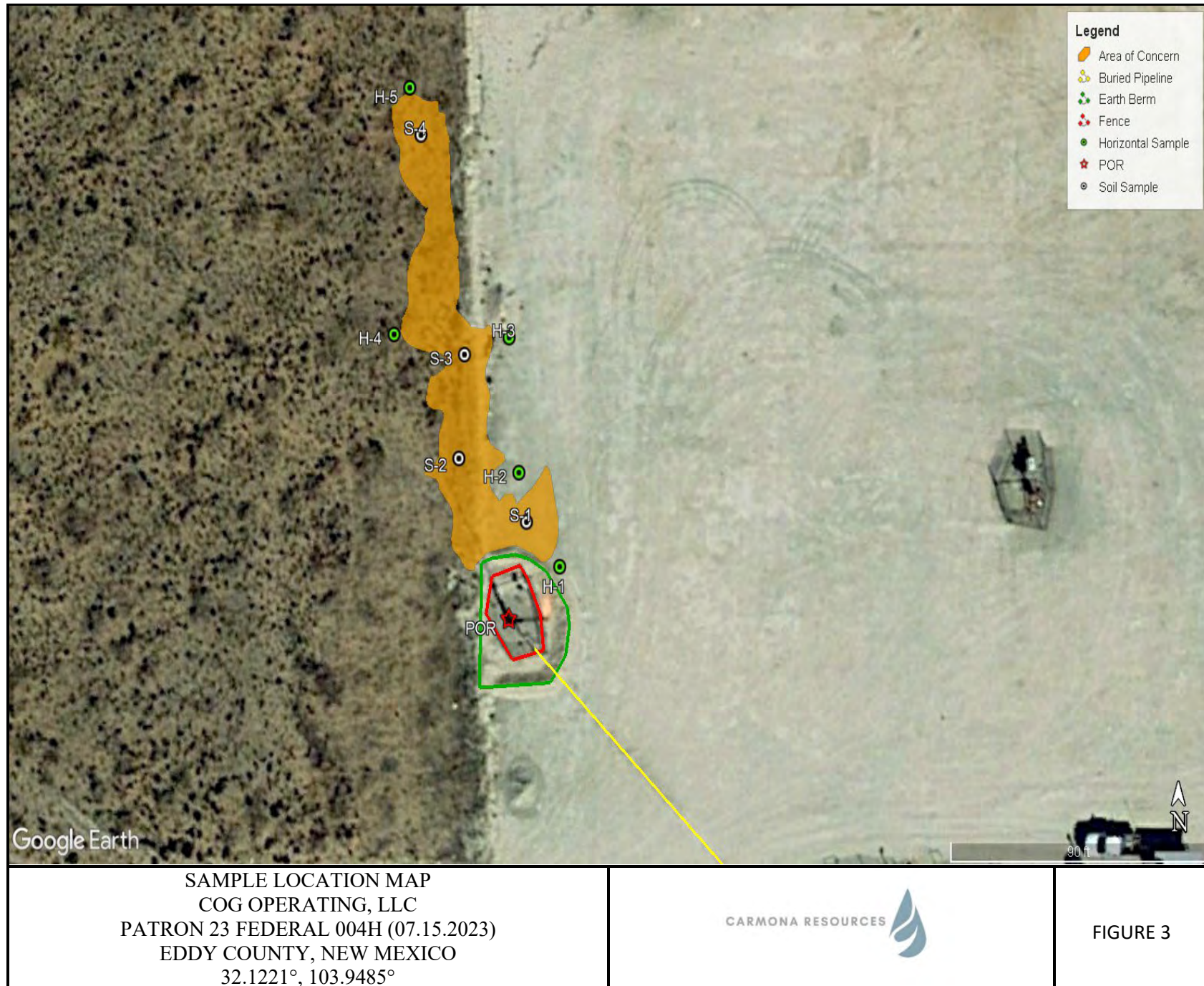
FIGURES

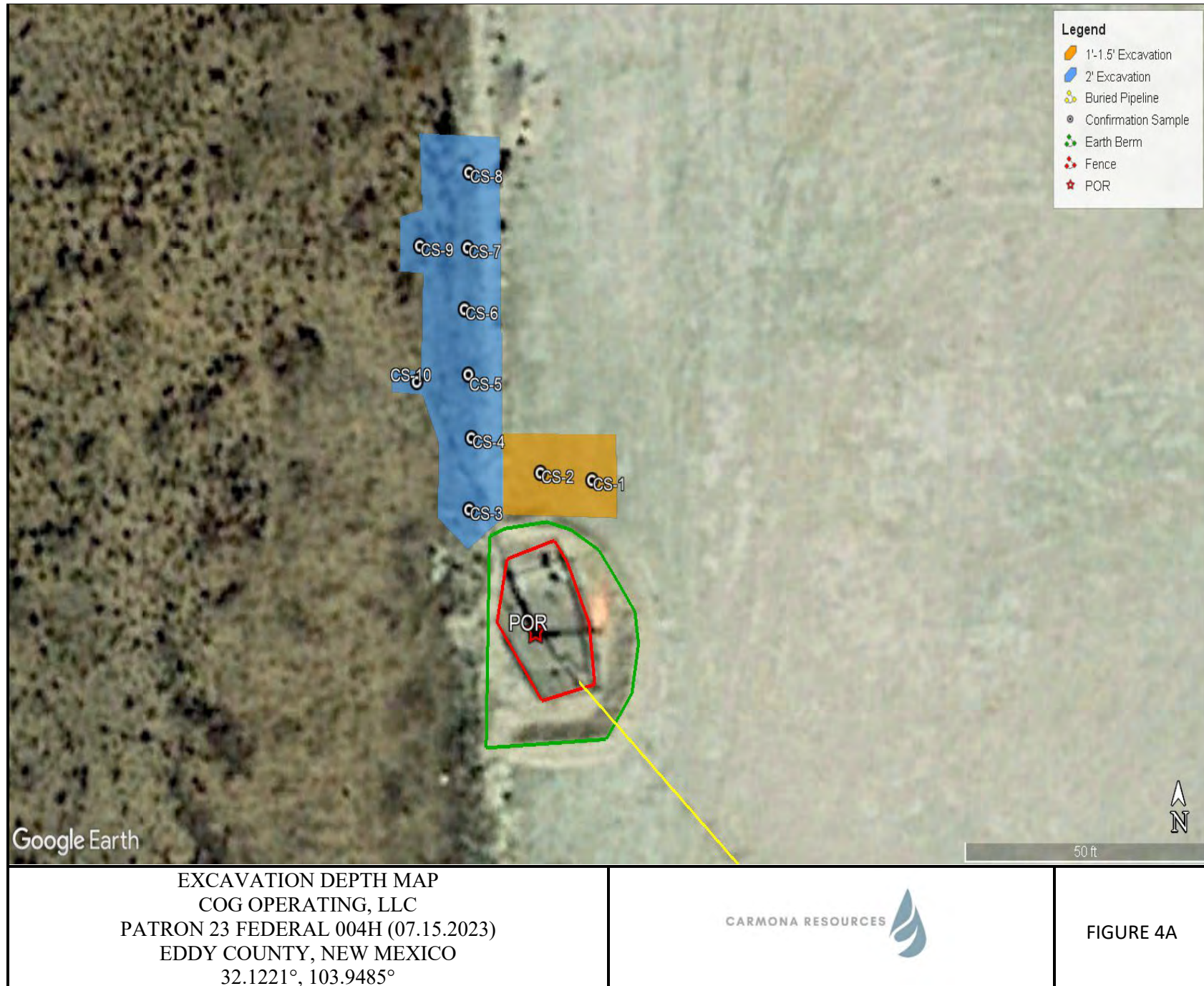
CARMONA RESOURCES

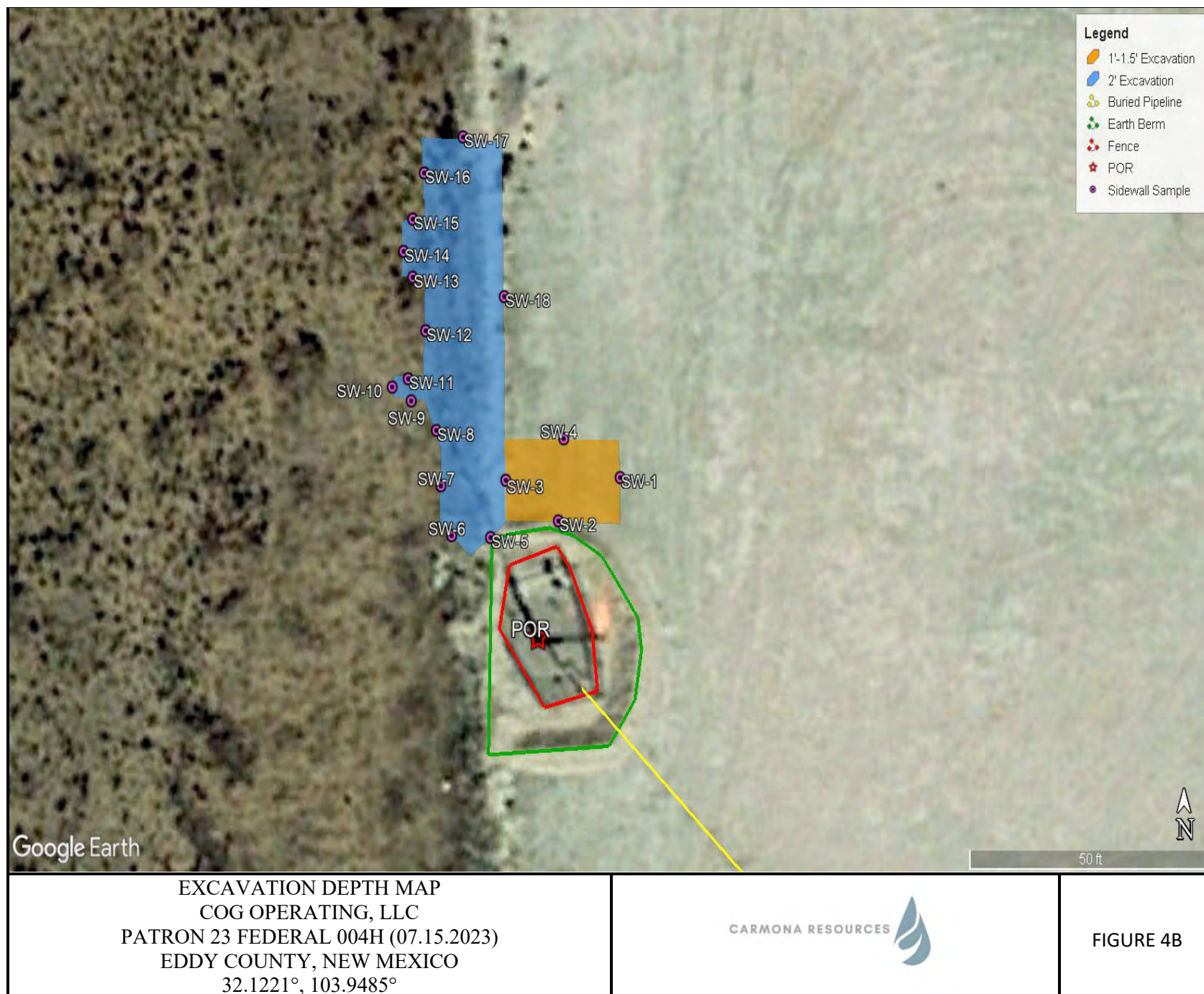












APPENDIX A

CARMONA RESOURCES



Table 1
Conoco Phillips
Patron 23 Federal 004H (07.15.2023)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	8/3/2023	0-0.5	<50.0	7,880	<50.0	7,880	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	5,830
S-2	8/3/2023	0-1	<50.3	61.5	<50.3	61.5	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	16,800
S-3	8/3/2023	0-1	<50.3	77.1	<50.3	77.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16,300
S-4	8/3/2023	0-1	<50.4	<50.4	<50.4	<50.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.3
H-1	7/31/2023	0-0.5	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	35.4
H-2	7/31/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	29.8
H-3	7/31/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	35.7
H-4	7/31/2023	0-0.5	<50.2	<50.2	<50.2	<50.2	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	24.7
H-5	7/31/2023	0-0.5	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	27.7
Regulatory Criteria^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(S) Sample Point

(H) Horizontal Sample

Removed

Table 2
Conoco Phillips
Patron 23 Federal 004H (07.15.2023)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/21/2023	1.0	<50.3	118	<50.3	118	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	150
	9/25/2023	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-2	9/21/2023	1.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	204
CS-3	9/21/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	38.9
CS-4	9/21/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	41.2
CS-5	9/21/2023	2.0	<49.6	58.0	<49.6	58.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.0
CS-6	9/21/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	36.7
CS-7	9/21/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	73.0
CS-8	9/21/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	53.6
CS-9	9/21/2023	2.0	<50.1	<50.1	<50.1	<50.1	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	65.7
CS-10	9/21/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	66.7
SW-1	9/21/2023	1.0	<50.4	431	70.4	501	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	42.5
	9/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	9/21/2023	1.0	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	43.9
SW-3	9/21/2023	1.0	<49.8	514	63.8	578	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.6
	9/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-4	9/21/2023	1.0	<49.8	220	<49.8	220	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	73.8
	9/25/2023	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-5	9/21/2023	2.0	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	56.0
SW-6	9/21/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	79.6
SW-7	9/21/2023	2.0	<50.4	<50.4	<50.4	<50.4	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	60.6
SW-8	9/21/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	98.3
SW-9	9/21/2023	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	78.7
SW-10	9/21/2023	2.0	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.3
SW-11	9/21/2023	2.0	<49.6	<49.6	<49.6	<49.6	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	72.7
SW-12	9/21/2023	2.0	<49.6	<49.6	<49.6	<49.6	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	45.8
SW-13	9/21/2023	2.0	<50.3	<50.3	<50.3	<50.3	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	45.4
SW-14	9/21/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	40.1
SW-15	9/21/2023	2.0	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	60.3
SW-16	9/21/2023	2.0	<50.2	<50.2	<50.2	<50.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	58.9
SW-17	9/21/2023	2.0	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	44.8
SW-18	9/21/2023	2.0	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	64.7
Regulatory Criteria ^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	20,000 mg/kg

(-) Not Analyzed
^A - Table 1 - 19.15.29 NMAC
 mg/kg - milligram per kilogram
 TPH - Total Petroleum Hydrocarbons
 ft - feet
 (CS) Confirmation Sample
 (SW) Sidewall Sample
 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Patron 23 Federal 004H
(07.15.2023)

County: Eddy County, New Mexico

Description:

View Southeast, Area of CS-1 and CS-2.



Photograph No. 2

Facility: Patron 23 Federal 004H
(07.15.2023)

County: Eddy County, New Mexico

Description:

View East, area of CS-1 through CS-4.



Photograph No. 3

Facility: Patron 23 Federal 004H
(07.15.2023)

County: Eddy County, New Mexico

Description:

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



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Patron 23 Federal 004H
(07.15.2023)

County: Eddy County, New Mexico

Description:
View Southwest, area of CS-5 through CS-10.



APPENDIX C

CARMONA RESOURCES



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

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

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

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.	
☐ The impacted area has been secured to protect human health and the environment.	
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☐ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: _____	Title: _____
Signature: <u>Patricia Espinoza</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Shelly Wells</u>	Date: <u>7/28/2023</u>

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

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

CONDITIONS

Action 245269

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 245269
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/28/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 10/5/2023

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 10/5/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Rodgers, Scott, EMNRD
Sent: Tuesday, September 19, 2023 12:32 PM
To: Conner Moehring; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Cc: Jacqui.Harris@conocophillips.com; Esparza, Brittany; Mike Carmona; Devin Dominguez; Clint Merritt
Subject: RE: [EXTERNAL] COG – Patron Flare Fire - Sampling Notification

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

Scott Rodgers • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Conner Moehring <Cmoehring@carmonaresources.com>
Sent: Tuesday, September 19, 2023 10:10 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Jacqui.Harris@conocophillips.com; Esparza, Brittany <Brittany.Esparza@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>; Devin Dominguez <DDominguez@carmonaresources.com>; Clint Merritt <MerrittC@carmonaresources.com>
Subject: [EXTERNAL] COG – Patron Flare Fire - Sampling Notification

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

Good Morning,

This email serves as a notification for confirmation sampling on the COG – Patron Flare Fire. Sampling is scheduled to begin on Thursday, September 21st around 11:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

Concho Operating
Patron Flare Fire
Eddy County, New Mexico
32.122081, -103.949180
Sec 23, T25S, R29E, Unit A

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



APPENDIX D

CARMONA RESOURCES



Nearest water well

COG Operating

Legend

- 0.04 Miles
- 0.50 Mile Radius
- 1.53 Miles
- 1.74 Miles
- 1.77 Miles
- Groundwater Determination Bore
- NMSEO Water Well
- Patron 23 Federal 004H
- USGS Water Well



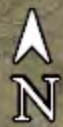
165.05' - Drilled 1977

140.90' - Drilled 1998

60' - Drilled 1995

105' - GWDB - 2021

Patron 23 Federal 004H



4000 ft

Low Karst

COG Operating

Legend

- Low
- Medium
- Patron 23 Federal 004H

Patron 23 Federal 004H



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04558 POD1	CUB	ED		3	4	3	23	25S	29E	598354	3553039	1601			
C 04529 POD1	CUB	ED		1	3	1	18	25S	30E	601077	3555733	2344			
C 02371	C	ED		2	3	15	25S	29E	596741	3555106*	2465	200	60	140	
C 02680	CUB	ED		2	3	15	25S	29E	596741	3555106*	2465	200			
C 04705 POD1	CUB	ED		2	1	2	35	25S	29E	598866	3551191	3264			
C 04608 POD1	CUB	ED		1	1	2	12	25S	29E	600080	3557719	3410	55		
C 04525 POD1	CUB	ED		3	1	2	10	25S	29E	596976	3557505	3733			
C 04604 POD1	CUB	ED		1	1	3	01	25S	29E	599401	3558388	3951	102		

Average Depth to Water: **60 feet**

Minimum Depth: **60 feet**

Maximum Depth: **60 feet**

Record Count: 8

UTMNA83 Radius Search (in meters):

Easting (X): 599117

Northing (Y): 3554447

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.

7/24/23 7:54 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

212C-MD-02646		TETRA TECH		LOG OF BORING BH-1				Page 1 of 1	
Project Name: Patron 23 Federal 4H									
Borehole Location: GPS: 32.122593, -103.949262					Surface Elevation: 3141 ft				
Borehole Number: BH-1				Borehole Diameter (in.): 4		Date Started: 2/24/2021		Date Finished: 2/24/2021	

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	WATER LEVEL OBSERVATIONS	
												While Drilling <u>▽</u> DRY ft Upon Completion of Drilling <u>▽</u> DRY ft	
												Remarks:	
MATERIAL DESCRIPTION												DEPTH (ft)	REMARKS
5											-- CALICHE: Tan, dry, weakly cemented, fine to medium grained.	1	
10											-SC- CLAYEY SAND: Brown, dry, fine to medium grained, medium dense.	12	
15											-- CALICHE: Tan, dry, weakly to moderately cemented, fine to coarse grained, with occasional gravel.	26	
20											-SM- SILTY SAND: Brown, dry, medium dense, fine to coarse grained.	41	
25											-SC- CLAYEY SAND: Tan, dry, fine to medium grained, with occasional Sandy Shale seams.	66	
30											-SM- SILTY SAND: Tan, dry, medium dense, fine to medium grained.	81	
35											-SHALE- SHALE: Sandy shale, fissile, dry.		
40													
45													
50													
55													
60													
65													
70													
75													
80													
85													
90													
95													
100													
105													

Bottom of borehole at 105.0 feet.

Sampler Types: ☒ Split Spoon ☐ Shelby ☐ Bulk Sample ☐ Grab Sample	☐ Acetate Liner ☐ Vane Shear ☐ Discrete Sample ☐ Test Pit	Operation Types: ☐ Mud Rotary ☐ Continuous Flight Auger ☐ Wash Rotary	☐ Hand Auger ☐ Air Rotary ☐ Direct Push ☐ Core Barrel	Notes: "Surface elevation is an estimated value based on Google Earth data."
--	--	---	--	---

Logger: Lane Scarborough	Drilling Equipment: Air Rotary	Driller: Scarborough Drilling
--------------------------	--------------------------------	-------------------------------



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y			
C	02371		2	3	15	25S	29E	596741	3555106*			
x												
Driller License:		1259		Driller Company:			CAMPBELL DRILLING					
Driller Name:		CAMPBELL, MICHAEL R.										
Drill Start Date:		01/12/1995		Drill Finish Date:			01/24/1995		Plug Date:			
Log File Date:		02/01/1995		PCW Rcv Date:						Source: Shallow		
Pump Type:					Pipe Discharge Size:						Estimated Yield: 20 GPM	
Casing Size:		7.00		Depth Well:			200 feet		Depth Water:		60 feet	
x												
Water Bearing Stratifications:				Top	Bottom	Description						
				162	200	Sandstone/Gravel/Conglomerate						
x												
Casing Perforations:				Top	Bottom							
				140	200							
x												

*UTM location was derived from PLSS - see Help

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Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320739103584201

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

USGS 320739103584201 25S.29E.15.31134

Eddy County, New Mexico
Latitude 32°07'39", Longitude 103°58'42" NAD27
Land-surface elevation 3,017 feet above NAVD88
The depth of the well is 192 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1983-02-01			D 62610		2875.02	NGVD29	1		Z	
1983-02-01			D 62611		2876.60	NAVD88	1		Z	
1983-02-01			D 72019	140.40			1		Z	
1987-10-20			D 62610		2875.09	NGVD29	1		Z	
1987-10-20			D 62611		2876.67	NAVD88	1		Z	
1987-10-20			D 72019	140.33			1		Z	
1992-11-06			D 62610		2874.61	NGVD29	1		S	
1992-11-06			D 62611		2876.19	NAVD88	1		S	
1992-11-06			D 72019	140.81			1		S	
1998-01-29			D 62610		2874.52	NGVD29	1		S	
1998-01-29			D 62611		2876.10	NAVD88	1		S	
1998-01-29			D 72019	140.90			1		S	

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2023-07-24 09:57:04 EDT

0.33 0.27 nadww02



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320719103584601

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

USGS 320719103584601 25S.29E.16.44444

Eddy County, New Mexico
Latitude 32°07'19", Longitude 103°58'46" NAD27
Land-surface elevation 3,042 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1958-08-19			D 62610		2870.28	NGVD29	1		Z	
1958-08-19			D 62611		2871.86	NAVD88	1		Z	
1958-08-19			D 72019	170.14			1		Z	
1958-10-23			D 62610		2869.62	NGVD29	1		Z	
1958-10-23			D 62611		2871.20	NAVD88	1		Z	
1958-10-23			D 72019	170.80			1		Z	
1975-12-09			D 62610		2875.47	NGVD29	1		S	
1975-12-09			D 62611		2877.05	NAVD88	1		S	
1975-12-09			D 72019	164.95			1		S	
1976-01-16			D 62610		2873.30	NGVD29	1		S	
1976-01-16			D 62611		2874.88	NAVD88	1		S	
1976-01-16			D 72019	167.12			1		S	
1977-01-14			D 62610		2875.37	NGVD29	1		S	
1977-01-14			D 62611		2876.95	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1977-01-14			D	72019	165.05		1	S		

Explanation

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

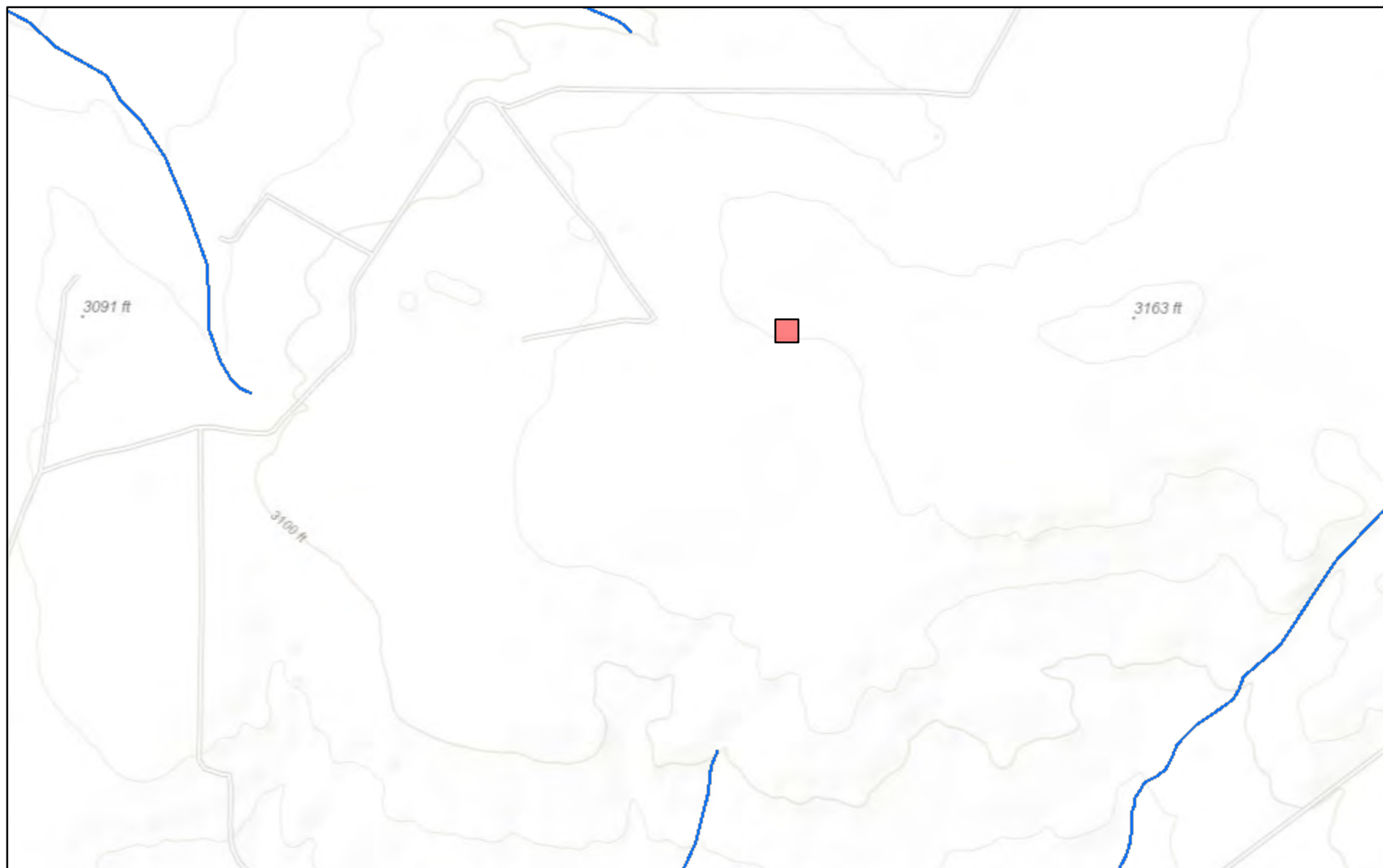
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Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320719103584601&agency_cd=USGS&format=html

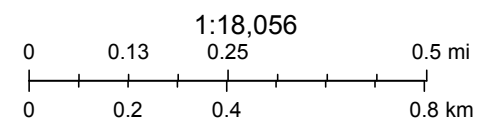


Page Contact Information: [New Mexico Water Data Maintainer](#)
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0.29 0.25 nadww02

New Mexico NFHL Data



July 24, 2023



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mike Carmona
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701
Generated 8/8/2023 9:48:36 AM

JOB DESCRIPTION

Patron Flare Fire
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-31664-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/8/2023 9:48:36 AM

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

Client: Carmona Resources
Project/Site: Patron Flare Fire

Laboratory Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Table of Contents

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Job ID: 880-31664-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-31664-1
-----------	------------------------------

Receipt

The samples were received on 8/3/2023 4:09 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 -1.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-0.5') (880-31664-1), S-2 (0-1') (880-31664-2), S-3 (0-1') (880-31664-3) and S-4 (0-1') (880-31664-4).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-59297 and analytical batch 880-59296 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-59369 and analytical batch 880-59409 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

HPLC/IC

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31664-1

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/04/23 08:20	08/04/23 14:02	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/04/23 08:20	08/04/23 14:02	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/04/23 08:20	08/04/23 14:02	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/04/23 08:20	08/04/23 14:02	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/04/23 08:20	08/04/23 14:02	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/04/23 08:20	08/04/23 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	08/04/23 08:20	08/04/23 14:02	1
1,4-Difluorobenzene (Surr)	109		70 - 130	08/04/23 08:20	08/04/23 14:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/04/23 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7880		50.0		mg/Kg			08/07/23 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *	50.0		mg/Kg		08/04/23 17:30	08/06/23 12:10	1
Diesel Range Organics (Over C10-C28)	7880		50.0		mg/Kg		08/04/23 17:30	08/06/23 12:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 17:30	08/06/23 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	08/04/23 17:30	08/06/23 12:10	1
o-Terphenyl	105		70 - 130	08/04/23 17:30	08/06/23 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5830		50.4		mg/Kg			08/07/23 23:26	10

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

Lab Sample ID: 880-31664-2

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		08/04/23 08:20	08/04/23 14:23	1
Toluene	<0.00202	U	0.00202		mg/Kg		08/04/23 08:20	08/04/23 14:23	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		08/04/23 08:20	08/04/23 14:23	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		08/04/23 08:20	08/04/23 14:23	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		08/04/23 08:20	08/04/23 14:23	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		08/04/23 08:20	08/04/23 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	08/04/23 08:20	08/04/23 14:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130	08/04/23 08:20	08/04/23 14:23	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31664-2

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			08/04/23 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.5		50.3		mg/Kg			08/07/23 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *	50.3		mg/Kg		08/04/23 17:30	08/06/23 10:58	1
Diesel Range Organics (Over C10-C28)	61.5		50.3		mg/Kg		08/04/23 17:30	08/06/23 10:58	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/04/23 17:30	08/06/23 10:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				08/04/23 17:30	08/06/23 10:58	1
o-Terphenyl	90		70 - 130				08/04/23 17:30	08/06/23 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16800		99.6		mg/Kg			08/07/23 23:47	20

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

Lab Sample ID: 880-31664-3

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/04/23 08:20	08/04/23 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/04/23 08:20	08/04/23 14:44	1
1,4-Difluorobenzene (Surr)	114		70 - 130				08/04/23 08:20	08/04/23 14:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/04/23 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	77.1		50.3		mg/Kg			08/07/23 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *	50.3		mg/Kg		08/04/23 17:30	08/06/23 12:33	1
Diesel Range Organics (Over C10-C28)	77.1		50.3		mg/Kg		08/04/23 17:30	08/06/23 12:33	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31664-3

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		08/04/23 17:30	08/06/23 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/04/23 17:30	08/06/23 12:33	1
o-Terphenyl	89		70 - 130				08/04/23 17:30	08/06/23 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16300		99.4		mg/Kg			08/08/23 00:41	20

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

Lab Sample ID: 880-31664-4

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/04/23 08:20	08/04/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130				08/04/23 08:20	08/04/23 15:05	1
1,4-Difluorobenzene (Surr)	115		70 - 130				08/04/23 08:20	08/04/23 15:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/04/23 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			08/07/23 10:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4		mg/Kg		08/04/23 17:30	08/06/23 12:56	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		08/04/23 17:30	08/06/23 12:56	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		08/04/23 17:30	08/06/23 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				08/04/23 17:30	08/06/23 12:56	1
o-Terphenyl	87		70 - 130				08/04/23 17:30	08/06/23 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.3		5.03		mg/Kg			08/08/23 00:48	1

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Surrogate Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-31327-A-1-A MS	Matrix Spike	85	105
880-31327-A-1-B MSD	Matrix Spike Duplicate	106	101
880-31664-1	S-1 (0-0.5')	97	109
880-31664-2	S-2 (0-1')	86	115
880-31664-3	S-3 (0-1')	87	114
880-31664-4	S-4 (0-1')	85	115
LCS 880-59297/1-A	Lab Control Sample	98	101
LCSD 880-59297/2-A	Lab Control Sample Dup	100	101
MB 880-59297/5-A	Method Blank	82	91
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31664-1	S-1 (0-0.5')	98	105
880-31664-2	S-2 (0-1')	90	90
880-31664-2 MS	S-2 (0-1')	123	104
880-31664-2 MSD	S-2 (0-1')	128	112
880-31664-3	S-3 (0-1')	87	89
880-31664-4	S-4 (0-1')	87	87
LCS 880-59369/2-A	Lab Control Sample	93	94
LCSD 880-59369/3-A	Lab Control Sample Dup	85	82
MB 880-59369/1-A	Method Blank	88	94
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59297/5-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 12:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/04/23 08:20	08/04/23 12:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 08:20	08/04/23 12:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/04/23 08:20	08/04/23 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	08/04/23 08:20	08/04/23 12:38	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/04/23 08:20	08/04/23 12:38	1

Lab Sample ID: LCS 880-59297/1-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09635		mg/Kg		96	70 - 130
Toluene	0.100	0.1047		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.09518		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1833		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09115		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-59297/2-A

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59297

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1039		mg/Kg		104	70 - 130	8	35
Toluene	0.100	0.1146		mg/Kg		115	70 - 130	9	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2014		mg/Kg		101	70 - 130	9	35
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-31327-A-1-A MS

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.0996	0.06489	F1	mg/Kg		64	70 - 130
Toluene	<0.00198	U F2 F1	0.0996	0.05661	F1	mg/Kg		57	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31327-A-1-A MS

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59297

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00198	U F2 F1	0.0996	0.04217	F1	mg/Kg		42	70 - 130
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.199	0.07826	F1	mg/Kg		39	70 - 130
o-Xylene	<0.00198	U F2 F1	0.0996	0.03728	F1	mg/Kg		37	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-31327-A-1-B MSD

Matrix: Solid

Analysis Batch: 59296

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59297

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0994	0.04746	F1	mg/Kg		47	70 - 130	31	35
Toluene	<0.00198	U F2 F1	0.0994	0.03823	F2 F1	mg/Kg		38	70 - 130	39	35
Ethylbenzene	<0.00198	U F2 F1	0.0994	0.02058	F2 F1	mg/Kg		21	70 - 130	69	35
m-Xylene & p-Xylene	<0.00397	U F2 F1	0.199	0.04152	F2 F1	mg/Kg		21	70 - 130	61	35
o-Xylene	<0.00198	U F2 F1	0.0994	0.01871	F2 F1	mg/Kg		18	70 - 130	66	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-59369/1-A

Matrix: Solid

Analysis Batch: 59409

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/23 17:29	08/06/23 08:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/04/23 17:29	08/06/23 08:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/04/23 17:29	08/06/23 08:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/04/23 17:29	08/06/23 08:16	1
o-Terphenyl	94		70 - 130	08/04/23 17:29	08/06/23 08:16	1

Lab Sample ID: LCS 880-59369/2-A

Matrix: Solid

Analysis Batch: 59409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	661.8	*-	mg/Kg		66	70 - 130
Diesel Range Organics (Over C10-C28)	1000	873.3		mg/Kg		87	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-59369/2-A

Matrix: Solid

Analysis Batch: 59409

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59369

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-59369/3-A

Matrix: Solid

Analysis Batch: 59409

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59369

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	660.9	*-	mg/Kg		66	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	845.2		mg/Kg		85	70 - 130	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 880-31664-2 MS

Matrix: Solid

Analysis Batch: 59409

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

Prep Type: Total/NA

Prep Batch: 59369

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *-	993	876.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	61.5		993	1175		mg/Kg		112	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-31664-2 MSD

Matrix: Solid

Analysis Batch: 59409

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

Prep Type: Total/NA

Prep Batch: 59369

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *-	992	918.4		mg/Kg		91	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	61.5		992	1254		mg/Kg		120	70 - 130	6	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	112		70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59304/1-A

Matrix: Solid

Analysis Batch: 59515

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/07/23 23:05	1

Lab Sample ID: LCS 880-59304/2-A

Matrix: Solid

Analysis Batch: 59515

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245.1		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-59304/3-A

Matrix: Solid

Analysis Batch: 59515

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-31664-1 MS

Matrix: Solid

Analysis Batch: 59515

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5830		2520	8311		mg/Kg		99	90 - 110

Lab Sample ID: 880-31664-1 MSD

Matrix: Solid

Analysis Batch: 59515

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5830		2520	8369		mg/Kg		101	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 59296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	8021B	59297
880-31664-2	S-2 (0-1')	Total/NA	Solid	8021B	59297
880-31664-3	S-3 (0-1')	Total/NA	Solid	8021B	59297
880-31664-4	S-4 (0-1')	Total/NA	Solid	8021B	59297
MB 880-59297/5-A	Method Blank	Total/NA	Solid	8021B	59297
LCS 880-59297/1-A	Lab Control Sample	Total/NA	Solid	8021B	59297
LCSD 880-59297/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59297
880-31327-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	59297
880-31327-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59297

Prep Batch: 59297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-31664-2	S-2 (0-1')	Total/NA	Solid	5035	
880-31664-3	S-3 (0-1')	Total/NA	Solid	5035	
880-31664-4	S-4 (0-1')	Total/NA	Solid	5035	
MB 880-59297/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59297/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59297/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31327-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-31327-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31664-2	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-31664-3	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-31664-4	S-4 (0-1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31664-2	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-31664-3	S-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-31664-4	S-4 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-59369/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59369/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59369/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31664-2 MS	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-31664-2 MSD	S-2 (0-1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	59369
880-31664-2	S-2 (0-1')	Total/NA	Solid	8015B NM	59369
880-31664-3	S-3 (0-1')	Total/NA	Solid	8015B NM	59369
880-31664-4	S-4 (0-1')	Total/NA	Solid	8015B NM	59369
MB 880-59369/1-A	Method Blank	Total/NA	Solid	8015B NM	59369
LCS 880-59369/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59369

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 59409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-59369/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59369
880-31664-2 MS	S-2 (0-1')	Total/NA	Solid	8015B NM	59369
880-31664-2 MSD	S-2 (0-1')	Total/NA	Solid	8015B NM	59369

Analysis Batch: 59474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-31664-2	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-31664-3	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-31664-4	S-4 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31664-2	S-2 (0-1')	Soluble	Solid	DI Leach	
880-31664-3	S-3 (0-1')	Soluble	Solid	DI Leach	
880-31664-4	S-4 (0-1')	Soluble	Solid	DI Leach	
MB 880-59304/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59304/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59304/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-31664-1 MS	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31664-1 MSD	S-1 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 59515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31664-1	S-1 (0-0.5')	Soluble	Solid	300.0	59304
880-31664-2	S-2 (0-1')	Soluble	Solid	300.0	59304
880-31664-3	S-3 (0-1')	Soluble	Solid	300.0	59304
880-31664-4	S-4 (0-1')	Soluble	Solid	300.0	59304
MB 880-59304/1-A	Method Blank	Soluble	Solid	300.0	59304
LCS 880-59304/2-A	Lab Control Sample	Soluble	Solid	300.0	59304
LCSD 880-59304/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59304
880-31664-1 MS	S-1 (0-0.5')	Soluble	Solid	300.0	59304
880-31664-1 MSD	S-1 (0-0.5')	Soluble	Solid	300.0	59304

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31664-1

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59297	08/04/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/04/23 14:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59375	08/04/23 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			59474	08/07/23 10:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	59369	08/04/23 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59409	08/06/23 12:10	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59304	08/04/23 09:39	KS	EET MID
Soluble	Analysis	300.0		10			59515	08/07/23 23:26	CH	EET MID

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

Lab Sample ID: 880-31664-2

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	59297	08/04/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/04/23 14:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59375	08/04/23 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			59474	08/07/23 10:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59369	08/04/23 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59409	08/06/23 10:58	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59304	08/04/23 09:39	KS	EET MID
Soluble	Analysis	300.0		20			59515	08/07/23 23:47	CH	EET MID

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

Lab Sample ID: 880-31664-3

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59297	08/04/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/04/23 14:44	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59375	08/04/23 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			59474	08/07/23 10:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	59369	08/04/23 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59409	08/06/23 12:33	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	59304	08/04/23 09:39	KS	EET MID
Soluble	Analysis	300.0		20			59515	08/08/23 00:41	CH	EET MID

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

Lab Sample ID: 880-31664-4

Date Collected: 08/03/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59297	08/04/23 08:20	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59296	08/04/23 15:05	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59375	08/04/23 18:20	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Client Sample ID: S-4 (0-1')
Date Collected: 08/03/23 00:00
Date Received: 08/03/23 16:09

Lab Sample ID: 880-31664-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59474	08/07/23 10:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59369	08/04/23 17:30	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59409	08/06/23 12:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	59304	08/04/23 09:39	KS	EET MID
Soluble	Analysis	300.0		1			59515	08/08/23 00:48	CH	EET MID

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

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Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

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: Patron Flare Fire

Job ID: 880-31664-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31664-1	S-1 (0-0.5')	Solid	08/03/23 00:00	08/03/23 16:09
880-31664-2	S-2 (0-1')	Solid	08/03/23 00:00	08/03/23 16:09
880-31664-3	S-3 (0-1')	Solid	08/03/23 00:00	08/03/23 16:09
880-31664-4	S-4 (0-1')	Solid	08/03/23 00:00	08/03/23 16:09

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880-31664 Chain of Custody

Page 1 of 1

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonarresources.com

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

Project Name:		Patron Flame Fire		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number	2095	☐ Routine	☒ Rush			Pres. Code											None NO	DI Water H ₂ O	
Project Location	Eddy County, New Mexico	Due Date	72 Hrs														Cool Cool	MeOH Me	
Sampler's Name	GP																HCL HC	HNO ₃ HN	
PO #:																	H ₂ SO ₄ H ₂	NaOH Na	
SAMPLE RECEIPT		Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐	Parameters												H ₃ PO ₄ HP	
Received Intact:	Yes ☒ No ☐	Thermometer ID				BTEX 8021B												NaHSO ₄ NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading				Chloride 300.0												Zn Acetate+NaOH Zn	
Total Containers:		Corrected Temperature																NaOH+Ascorbic Acid SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/ Comp	# of Cont											Sample Comments	
S-1 (0-0.5')		7/31/2023		X		G	1	X	X	X	X								
S-2 (0-1')		7/31/2023		X		G	1	X	X	X	X								
S-3 (0-1')		7/31/2023		X		G	1	X	X	X	X								
S-4 (0-1')		7/31/2023		X		G	1	X	X	X	X								

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	08/14/23 16009		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31664-1

SDG Number: Eddy County, New Mexico

Login Number: 31664

List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2023 5:33:44 PM

JOB DESCRIPTION

Patron Flare Fire
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-31671-1

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



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8/7/2023 5:33:44 PM

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

Client: Carmona Resources
Project/Site: Patron Flare Fire

Laboratory Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Job ID: 880-31671-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-31671-1****Receipt**

The samples were received on 8/3/2023 4:09 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 -1.6°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-31671-1), H-2 (0-0.5') (880-31671-2), H-3 (0-0.5') (880-31671-3), H-4 (0-0.5') (880-31671-4) and H-5 (0-0.5') (880-31671-5).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (CCV 880-59294/82). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-31407-A-1-E). 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: H-3 (0-0.5') (880-31671-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-59294 recovered outside the control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-59294/82).

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-59394 and analytical batch 880-59294 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

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

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-3 (0-0.5') (880-31671-3) and H-4 (0-0.5') (880-31671-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31671-1

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/06/23 02:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/06/23 02:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/06/23 02:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/05/23 16:13	08/06/23 02:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/06/23 02:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/05/23 16:13	08/06/23 02:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	08/05/23 16:13	08/06/23 02:56	1
1,4-Difluorobenzene (Surr)	76		70 - 130	08/05/23 16:13	08/06/23 02:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/07/23 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/04/23 15:42	08/07/23 01:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		08/04/23 15:42	08/07/23 01:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/04/23 15:42	08/07/23 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	08/04/23 15:42	08/07/23 01:59	1
o-Terphenyl	127		70 - 130	08/04/23 15:42	08/07/23 01:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.4		5.04		mg/Kg			08/04/23 22:37	1

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

Lab Sample ID: 880-31671-2

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/05/23 16:13	08/06/23 03:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/05/23 16:13	08/06/23 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	08/05/23 16:13	08/06/23 03:17	1
1,4-Difluorobenzene (Surr)	73		70 - 130	08/05/23 16:13	08/06/23 03:17	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31671-2

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/23 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/04/23 15:42	08/07/23 02:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		08/04/23 15:42	08/07/23 02:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/04/23 15:42	08/07/23 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				08/04/23 15:42	08/07/23 02:42	1
o-Terphenyl	129		70 - 130				08/04/23 15:42	08/07/23 02:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		4.99		mg/Kg			08/04/23 22:42	1

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

Lab Sample ID: 880-31671-3

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/05/23 16:13	08/06/23 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				08/05/23 16:13	08/06/23 03:37	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130				08/05/23 16:13	08/06/23 03:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/07/23 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/04/23 15:42	08/07/23 03:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/04/23 15:42	08/07/23 03:04	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31671-3

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/04/23 15:42	08/07/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130				08/04/23 15:42	08/07/23 03:04	1
o-Terphenyl	157	S1+	70 - 130				08/04/23 15:42	08/07/23 03:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.7		4.98		mg/Kg			08/04/23 22:47	1

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

Lab Sample ID: 880-31671-4

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		08/05/23 16:13	08/06/23 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				08/05/23 16:13	08/06/23 03:58	1
1,4-Difluorobenzene (Surr)	77		70 - 130				08/05/23 16:13	08/06/23 03:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			08/07/23 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		08/04/23 15:42	08/07/23 03:25	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		08/04/23 15:42	08/07/23 03:25	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		08/04/23 15:42	08/07/23 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				08/04/23 15:42	08/07/23 03:25	1
o-Terphenyl	132	S1+	70 - 130				08/04/23 15:42	08/07/23 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.7		4.96		mg/Kg			08/04/23 22:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31671-5

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/05/23 16:13	08/06/23 04:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/05/23 16:13	08/06/23 04:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/05/23 16:13	08/06/23 04:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/05/23 16:13	08/06/23 04:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/05/23 16:13	08/06/23 04:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/05/23 16:13	08/06/23 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/05/23 16:13	08/06/23 04:18	1
1,4-Difluorobenzene (Surr)	82		70 - 130	08/05/23 16:13	08/06/23 04:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/07/23 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			08/07/23 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		08/04/23 15:42	08/07/23 03:46	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		08/04/23 15:42	08/07/23 03:46	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		08/04/23 15:42	08/07/23 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	08/04/23 15:42	08/07/23 03:46	1
o-Terphenyl	119		70 - 130	08/04/23 15:42	08/07/23 03:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.7		5.02		mg/Kg			08/04/23 22:57	1

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-31407-A-1-C MS	Matrix Spike	116	93
880-31407-A-1-D MSD	Matrix Spike Duplicate	115	121
880-31671-1	H-1 (0-0.5')	93	76
880-31671-2	H-2 (0-0.5')	90	73
880-31671-3	H-3 (0-0.5')	95	69 S1-
880-31671-4	H-4 (0-0.5')	91	77
880-31671-5	H-5 (0-0.5')	106	82
LCS 880-59394/1-A	Lab Control Sample	115	116
LCSD 880-59394/2-A	Lab Control Sample Dup	115	123
MB 880-59348/5-A	Method Blank	70	97
MB 880-59394/5-A	Method Blank	71	79
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-31671-1	H-1 (0-0.5')	122	127
880-31671-2	H-2 (0-0.5')	125	129
880-31671-3	H-3 (0-0.5')	153 S1+	157 S1+
880-31671-4	H-4 (0-0.5')	128	132 S1+
880-31671-5	H-5 (0-0.5')	115	119
880-31672-A-1-D MS	Matrix Spike	107	104
880-31672-A-1-E MSD	Matrix Spike Duplicate	107	105
LCS 880-59354/2-A	Lab Control Sample	101	115
LCSD 880-59354/3-A	Lab Control Sample Dup	104	117
MB 880-59354/1-A	Method Blank	121	134 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-59348/5-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59348

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/04/23 13:55	08/05/23 09:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/04/23 13:55	08/05/23 09:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/04/23 13:55	08/05/23 09:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/04/23 13:55	08/05/23 09:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/04/23 13:55	08/05/23 09:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/04/23 13:55	08/05/23 09:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130	08/04/23 13:55	08/05/23 09:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/04/23 13:55	08/05/23 09:58	1

Lab Sample ID: MB 880-59394/5-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/05/23 21:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/05/23 21:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/05/23 21:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/05/23 16:13	08/05/23 21:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/05/23 16:13	08/05/23 21:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/05/23 16:13	08/05/23 21:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	08/05/23 16:13	08/05/23 21:28	1
1,4-Difluorobenzene (Surr)	79		70 - 130	08/05/23 16:13	08/05/23 21:28	1

Lab Sample ID: LCS 880-59394/1-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1297		mg/Kg		130	70 - 130
Toluene	0.100	0.1249		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1294		mg/Kg		129	70 - 130
m-Xylene & p-Xylene	0.200	0.2562		mg/Kg		128	70 - 130
o-Xylene	0.100	0.1243		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: LCSD 880-59394/2-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1257		mg/Kg		126	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-59394/2-A

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59394

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	13		35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	11		35
m-Xylene & p-Xylene	0.200	0.2490		mg/Kg		124	70 - 130	3		35
o-Xylene	0.100	0.1202		mg/Kg		120	70 - 130	3		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	123		70 - 130

Lab Sample ID: 880-31407-A-1-C MS

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	<0.00198	U	0.0996	0.1157		mg/Kg		116	70 - 130	
Toluene	<0.00198	U	0.0996	0.1130		mg/Kg		113	70 - 130	
Ethylbenzene	<0.00198	U	0.0996	0.1174		mg/Kg		118	70 - 130	
m-Xylene & p-Xylene	<0.00397	U F1	0.199	0.2512		mg/Kg		126	70 - 130	
o-Xylene	<0.00198	U	0.0996	0.1213		mg/Kg		121	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-31407-A-1-D MSD

Matrix: Solid

Analysis Batch: 59294

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00198	U	0.0994	0.1271		mg/Kg		128	70 - 130	9		35
Toluene	<0.00198	U	0.0994	0.1175		mg/Kg		118	70 - 130	4		35
Ethylbenzene	<0.00198	U	0.0994	0.1223		mg/Kg		123	70 - 130	4		35
m-Xylene & p-Xylene	<0.00397	U F1	0.199	0.2616	F1	mg/Kg		131	70 - 130	4		35
o-Xylene	<0.00198	U	0.0994	0.1260		mg/Kg		126	70 - 130	4		35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59354

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/04/23 15:41	08/06/23 20:54	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59354

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 59354

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 59354

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 59354

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

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

Matrix: Solid

Analysis Batch: 59405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 59354

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	993	864.8		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.1	U	993	1010		mg/Kg		97	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	105		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59266/1-A

Matrix: Solid

Analysis Batch: 59356

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/04/23 21:38	1

Lab Sample ID: LCS 880-59266/2-A

Matrix: Solid

Analysis Batch: 59356

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	240.1		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-59266/3-A

Matrix: Solid

Analysis Batch: 59356

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240.6		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-5026-A-21-C MS

Matrix: Solid

Analysis Batch: 59356

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	62.0		251	310.5		mg/Kg		99	90 - 110

Lab Sample ID: 890-5026-A-21-D MSD

Matrix: Solid

Analysis Batch: 59356

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	62.0		251	310.9		mg/Kg		99	90 - 110	0	20

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 59294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	8021B	59394
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	8021B	59394
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	8021B	59394
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	8021B	59394
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	8021B	59394
MB 880-59348/5-A	Method Blank	Total/NA	Solid	8021B	59348
MB 880-59394/5-A	Method Blank	Total/NA	Solid	8021B	59394
LCS 880-59394/1-A	Lab Control Sample	Total/NA	Solid	8021B	59394
LCSD 880-59394/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	59394
880-31407-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	59394
880-31407-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	59394

Prep Batch: 59348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-59348/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 59394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	5035	
MB 880-59394/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-59394/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-59394/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-31407-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-31407-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 59584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 59405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	59354
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	59354
MB 880-59354/1-A	Method Blank	Total/NA	Solid	8015B NM	59354
LCS 880-59354/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59354
LCSD 880-59354/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59354
880-31672-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	59354
880-31672-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59354

Analysis Batch: 59545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-31671-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-31671-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-31671-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-31671-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-31671-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-31671-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-31671-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-31671-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-59266/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59266/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59266/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5026-A-21-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-5026-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 59356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-31671-1	H-1 (0-0.5')	Soluble	Solid	300.0	59266
880-31671-2	H-2 (0-0.5')	Soluble	Solid	300.0	59266
880-31671-3	H-3 (0-0.5')	Soluble	Solid	300.0	59266
880-31671-4	H-4 (0-0.5')	Soluble	Solid	300.0	59266
880-31671-5	H-5 (0-0.5')	Soluble	Solid	300.0	59266
MB 880-59266/1-A	Method Blank	Soluble	Solid	300.0	59266
LCS 880-59266/2-A	Lab Control Sample	Soluble	Solid	300.0	59266
LCSD 880-59266/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59266
890-5026-A-21-C MS	Matrix Spike	Soluble	Solid	300.0	59266
890-5026-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	59266

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-31671-1

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	59394	08/05/23 16:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/06/23 02:56	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59584	08/07/23 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59545	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 01:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59266	08/04/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1			59356	08/04/23 22:37	CH	EET MID

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

Lab Sample ID: 880-31671-2

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59394	08/05/23 16:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/06/23 03:17	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59584	08/07/23 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59545	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 02:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	59266	08/04/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1			59356	08/04/23 22:42	CH	EET MID

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

Lab Sample ID: 880-31671-3

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	59394	08/05/23 16:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/06/23 03:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59584	08/07/23 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59545	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 03:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59266	08/04/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1			59356	08/04/23 22:47	CH	EET MID

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

Lab Sample ID: 880-31671-4

Date Collected: 07/31/23 00:00

Matrix: Solid

Date Received: 08/03/23 16:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	59394	08/05/23 16:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/06/23 03:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59584	08/07/23 18:14	SM	EET MID

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Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Client Sample ID: H-4 (0-0.5')
Date Collected: 07/31/23 00:00
Date Received: 08/03/23 16:09

Lab Sample ID: 880-31671-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			59545	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	59266	08/04/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1			59356	08/04/23 22:52	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Date Collected: 07/31/23 00:00
Date Received: 08/03/23 16:09

Lab Sample ID: 880-31671-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	59394	08/05/23 16:13	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	59294	08/06/23 04:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			59584	08/07/23 18:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			59545	08/07/23 15:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	59354	08/04/23 15:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59405	08/07/23 03:46	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59266	08/04/23 14:00	KS	EET MID
Soluble	Analysis	300.0		1			59356	08/04/23 22:57	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
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Method Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

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: Patron Flare Fire

Job ID: 880-31671-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-31671-1	H-1 (0-0.5')	Solid	07/31/23 00:00	08/03/23 16:09
880-31671-2	H-2 (0-0.5')	Solid	07/31/23 00:00	08/03/23 16:09
880-31671-3	H-3 (0-0.5')	Solid	07/31/23 00:00	08/03/23 16:09
880-31671-4	H-4 (0-0.5')	Solid	07/31/23 00:00	08/03/23 16:09
880-31671-5	H-5 (0-0.5')	Solid	07/31/23 00:00	08/03/23 16:09

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880-31671 Chain of Custody

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

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

Project Name	Patron Flare Fire	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number	2095	☐ Routine ☒ Rush														None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date	72 Hrs													Cool Cool	MeOH Me
Sampler's Name	GP															HCL, HC	HNO ₃ HN
PO #																H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes ☒ No ☐	Wet Ice	Yes ☒ No ☐												H ₃ PO ₄ HP	
Received Intact	Yes ☒ No ☐	Thermometer ID														NaHSO ₄ , NABIS	
Cooler Custody Seals	Yes ☒ No ☐	Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers		Corrected Temperature														NaOH+Ascorbic Acid SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
H-1 (0-0.5')	7/31/2023		X		G	1	X	X	X								
H-2 (0-0.5')	7/31/2023		X		G	1	X	X	X								
H-3 (0-0.5')	7/31/2023		X		G	1	X	X	X								
H-4 (0-0.5')	7/31/2023		X		G	1	X	X	X								
H-5 (0-0.5')	7/31/2023		X		G	1	X	X	X								

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	08/31/23 16:09		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-31671-1

SDG Number: Eddy County, New Mexico

Login Number: 31671

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/27/2023 11:02:47 AM Revision 1

JOB DESCRIPTION

Patron Flare Fire
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-33525-1

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



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

Generated
9/27/2023 11:02:47 AM
Revision 1

Client: Carmona Resources
Project/Site: Patron Flare Fire

Laboratory Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Midland

Case Narrative

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Job ID: 880-33525-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-33525-1**

REVISION

The report being provided is a revision of the original report sent on 9/25/2023. The report (revision 1) is being revised due to Per client email, requesting sample depths to reflect 2'.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method. Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/22/2023 10:09 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 4.3°C

Receipt Exceptions

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

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 (1') (880-33525-1), SW-13 (2') (880-33525-23), SW-15 (2') (880-33525-25), SW-16 (2') (880-33525-26) and SW-18 (2') (880-33525-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63055 and analytical batch 880-63072 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-6 (2') (880-33525-6), CS-10 (2') (880-33525-10) and (880-33525-A-1-D MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63055 and analytical batch 880-63072 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SW-4 (1') (880-33525-14). 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: (CCV 880-63027/31), (CCV 880-63027/47), (CCV 880-63027/58) and (LCS 880-63059/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-63059 and analytical

Case Narrative

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Job ID: 880-33525-1 (Continued)

Laboratory: Eurofins Midland (Continued)

batch 880-63027 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-63061 and analytical batch 880-63029 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

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-63054 and analytical batch 880-63124 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-33525-1

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:40	09/23/23 16:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:40	09/23/23 16:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:40	09/23/23 16:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 13:40	09/23/23 16:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:40	09/23/23 16:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 13:40	09/23/23 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	09/22/23 13:40	09/23/23 16:14	1
1,4-Difluorobenzene (Surr)	64	S1-	70 - 130	09/22/23 13:40	09/23/23 16:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	118		50.3		mg/Kg			09/22/23 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/22/23 20:53	1
Diesel Range Organics (Over C10-C28)	118	F1	50.3		mg/Kg		09/22/23 11:07	09/22/23 20:53	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/22/23 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	09/22/23 11:07	09/22/23 20:53	1
o-Terphenyl	78		70 - 130	09/22/23 11:07	09/22/23 20:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		5.00		mg/Kg			09/22/23 18:46	1

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-33525-2

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 17:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/23 10:47	09/22/23 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 17:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/23 10:47	09/22/23 17:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/22/23 10:47	09/22/23 17:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/22/23 10:47	09/22/23 17:15	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-33525-2

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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			09/22/23 17:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/23 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 21:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 21:57	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/22/23 11:07	09/22/23 21:57	1
o-Terphenyl	80		70 - 130				09/22/23 11:07	09/22/23 21:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	204		5.03		mg/Kg			09/22/23 19:04	1

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-33525-3

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/22/23 10:47	09/22/23 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/22/23 10:47	09/22/23 17:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/22/23 10:47	09/22/23 17:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			09/22/23 17:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/22/23 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 22:18	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 22:18	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-33525-3

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/22/23 22:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/22/23 11:07	09/22/23 22:18	1
o-Terphenyl	85		70 - 130				09/22/23 11:07	09/22/23 22:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.02		mg/Kg			09/22/23 19:10	1

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-33525-4

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/23 10:47	09/22/23 18:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				09/22/23 10:47	09/22/23 18:07	1
1,4-Difluorobenzene (Surr)	104		70 - 130				09/22/23 10:47	09/22/23 18:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/22/23 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/22/23 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/22/23 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/22/23 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/22/23 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/22/23 11:07	09/22/23 22:38	1
o-Terphenyl	85		70 - 130				09/22/23 11:07	09/22/23 22:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		4.98		mg/Kg			09/22/23 19:16	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-33525-5

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 18:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 18:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 18:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/22/23 18:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 18:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/22/23 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	09/22/23 10:47	09/22/23 18:32	1
1,4-Difluorobenzene (Surr)	94		70 - 130	09/22/23 10:47	09/22/23 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/23 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.0		49.6		mg/Kg			09/22/23 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/22/23 11:07	09/22/23 22:59	1
Diesel Range Organics (Over C10-C28)	58.0		49.6		mg/Kg		09/22/23 11:07	09/22/23 22:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/22/23 11:07	09/22/23 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	09/22/23 11:07	09/22/23 22:59	1
o-Terphenyl	81		70 - 130	09/22/23 11:07	09/22/23 22:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.0		4.99		mg/Kg			09/22/23 19:21	1

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-33525-6

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 18:58	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 18:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 18:58	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/22/23 18:58	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 18:58	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/22/23 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	09/22/23 10:47	09/22/23 18:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	09/22/23 10:47	09/22/23 18:58	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-33525-6

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/22/23 18:58	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			09/22/23 23:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/22/23 23:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/22/23 23:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/22/23 23:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/22/23 11:07	09/22/23 23:19	1
o-Terphenyl	83		70 - 130				09/22/23 11:07	09/22/23 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.7		4.99		mg/Kg			09/22/23 19:39	1

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-33525-7

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/23 10:47	09/22/23 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				09/22/23 10:47	09/22/23 19:23	1
1,4-Difluorobenzene (Surr)	111		70 - 130				09/22/23 10:47	09/22/23 19:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/23 19:23	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			09/22/23 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 23:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 23:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-33525-7

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				09/22/23 11:07	09/22/23 23:40	1
o-Terphenyl	84		70 - 130				09/22/23 11:07	09/22/23 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.0		5.03		mg/Kg			09/22/23 19:45	1

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-33525-8

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/23 10:47	09/22/23 19:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				09/22/23 10:47	09/22/23 19:49	1
1,4-Difluorobenzene (Surr)	114		70 - 130				09/22/23 10:47	09/22/23 19:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/22/23 19:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/23/23 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 00:00	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 00:00	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				09/22/23 11:07	09/23/23 00:00	1
o-Terphenyl	84		70 - 130				09/22/23 11:07	09/23/23 00:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.6		4.97		mg/Kg			09/22/23 19:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-33525-9

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 20:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 20:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 20:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/23 10:47	09/22/23 20:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/23 10:47	09/22/23 20:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/23 10:47	09/22/23 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/22/23 10:47	09/22/23 20:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130	09/22/23 10:47	09/22/23 20:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/23 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			09/23/23 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		09/22/23 11:07	09/23/23 00:21	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		09/22/23 11:07	09/23/23 00:21	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		09/22/23 11:07	09/23/23 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	09/22/23 11:07	09/23/23 00:21	1
o-Terphenyl	85		70 - 130	09/22/23 11:07	09/23/23 00:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.7		4.98		mg/Kg			09/22/23 19:56	1

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-33525-10

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 20:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 20:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 20:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/23 10:47	09/22/23 20:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 20:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/23 10:47	09/22/23 20:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130	09/22/23 10:47	09/22/23 20:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130	09/22/23 10:47	09/22/23 20:40	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-33525-10

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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			09/22/23 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/23 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 00:42	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 00:42	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				09/22/23 11:07	09/23/23 00:42	1
o-Terphenyl	81		70 - 130				09/22/23 11:07	09/23/23 00:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.7		5.02		mg/Kg			09/22/23 20:02	1

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-33525-11

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		09/22/23 10:47	09/22/23 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				09/22/23 10:47	09/22/23 22:22	1
1,4-Difluorobenzene (Surr)	96		70 - 130				09/22/23 10:47	09/22/23 22:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			09/22/23 22:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	501		50.4		mg/Kg			09/23/23 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/22/23 11:07	09/23/23 01:24	1
Diesel Range Organics (Over C10-C28)	431		50.4		mg/Kg		09/22/23 11:07	09/23/23 01:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-33525-11

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	70.4		50.4		mg/Kg		09/22/23 11:07	09/23/23 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	09/22/23 11:07	09/23/23 01:24	1
o-Terphenyl	85		70 - 130	09/22/23 11:07	09/23/23 01:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		4.95		mg/Kg			09/22/23 20:08	1

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-33525-12

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 22:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 22:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 22:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/22/23 22:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 22:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/22/23 22:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	09/22/23 10:47	09/22/23 22:47	1
1,4-Difluorobenzene (Surr)	103		70 - 130	09/22/23 10:47	09/22/23 22:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/22/23 22:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/23 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/23/23 01:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/23/23 01:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/23 11:07	09/23/23 01:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	09/22/23 11:07	09/23/23 01:45	1
o-Terphenyl	79		70 - 130	09/22/23 11:07	09/23/23 01:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		4.98		mg/Kg			09/22/23 20:26	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-33525-13

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 23:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 23:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 23:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/22/23 23:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/22/23 23:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/22/23 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	09/22/23 10:47	09/22/23 23:12	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/22/23 10:47	09/22/23 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/22/23 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	578		49.8		mg/Kg			09/23/23 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:05	1
Diesel Range Organics (Over C10-C28)	514		49.8		mg/Kg		09/22/23 11:07	09/23/23 02:05	1
Oil Range Organics (Over C28-C36)	63.8		49.8		mg/Kg		09/22/23 11:07	09/23/23 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	09/22/23 11:07	09/23/23 02:05	1
o-Terphenyl	97		70 - 130	09/22/23 11:07	09/23/23 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.6		5.04		mg/Kg			09/22/23 20:31	1

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-33525-14

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 23:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 23:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 23:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/22/23 23:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/22/23 23:38	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/22/23 23:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	09/22/23 10:47	09/22/23 23:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/22/23 10:47	09/22/23 23:38	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-33525-14

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/22/23 23:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	220		49.8		mg/Kg			09/23/23 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:25	1
Diesel Range Organics (Over C10-C28)	220		49.8		mg/Kg		09/22/23 11:07	09/23/23 02:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				09/22/23 11:07	09/23/23 02:25	1
o-Terphenyl	65	S1-	70 - 130				09/22/23 11:07	09/23/23 02:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.8		5.05		mg/Kg			09/22/23 20:49	1

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-33525-15

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		09/22/23 10:47	09/23/23 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/22/23 10:47	09/23/23 00:03	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/22/23 10:47	09/23/23 00:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			09/23/23 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			09/23/23 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:46	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-33525-15

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/22/23 11:07	09/23/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/22/23 11:07	09/23/23 02:46	1
o-Terphenyl	88		70 - 130				09/22/23 11:07	09/23/23 02:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.0		5.03		mg/Kg			09/22/23 20:55	1

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-33525-16

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		09/22/23 10:47	09/23/23 00:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/22/23 10:47	09/23/23 00:28	1
1,4-Difluorobenzene (Surr)	72		70 - 130				09/22/23 10:47	09/23/23 00:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			09/23/23 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/23/23 03:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 03:06	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 03:06	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/22/23 11:07	09/23/23 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/22/23 11:07	09/23/23 03:06	1
o-Terphenyl	90		70 - 130				09/22/23 11:07	09/23/23 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.6		5.00		mg/Kg			09/22/23 21:01	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-33525-17

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 00:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 00:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 00:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/23/23 00:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 00:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/23/23 00:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	09/22/23 10:47	09/23/23 00:54	1
1,4-Difluorobenzene (Surr)	114		70 - 130	09/22/23 10:47	09/23/23 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			09/23/23 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		09/22/23 11:07	09/23/23 03:27	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		09/22/23 11:07	09/23/23 03:27	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		09/22/23 11:07	09/23/23 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/22/23 11:07	09/23/23 03:27	1
o-Terphenyl	91		70 - 130	09/22/23 11:07	09/23/23 03:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.6		4.99		mg/Kg			09/22/23 21:06	1

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-33525-18

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/23/23 01:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/23/23 01:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/23/23 01:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/23/23 01:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		09/22/23 10:47	09/23/23 01:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		09/22/23 10:47	09/23/23 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09/22/23 10:47	09/23/23 01:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130	09/22/23 10:47	09/23/23 01:19	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-33525-18

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			09/23/23 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/23 03:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 03:47	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 03:47	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:07	09/23/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/22/23 11:07	09/23/23 03:47	1
o-Terphenyl	78		70 - 130				09/22/23 11:07	09/23/23 03:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.3		4.99		mg/Kg			09/22/23 21:12	1

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-33525-19

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/23/23 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				09/22/23 10:47	09/23/23 01:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/22/23 10:47	09/23/23 01:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			09/23/23 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			09/23/23 04:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/22/23 11:07	09/23/23 04:09	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/22/23 11:07	09/23/23 04:09	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-33525-19

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/22/23 11:07	09/23/23 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				09/22/23 11:07	09/23/23 04:09	1
o-Terphenyl	92		70 - 130				09/22/23 11:07	09/23/23 04:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.7		4.98		mg/Kg			09/22/23 21:18	1

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-33525-20

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 10:47	09/23/23 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				09/22/23 10:47	09/23/23 02:10	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/22/23 10:47	09/23/23 02:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/23/23 04:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/22/23 11:07	09/23/23 04:29	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/22/23 11:07	09/23/23 04:29	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/22/23 11:07	09/23/23 04:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				09/22/23 11:07	09/23/23 04:29	1
o-Terphenyl	90		70 - 130				09/22/23 11:07	09/23/23 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.3		5.04		mg/Kg			09/22/23 21:24	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-33525-21

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 13:13	09/23/23 09:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 13:13	09/23/23 09:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 13:13	09/23/23 09:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/23 13:13	09/23/23 09:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 13:13	09/23/23 09:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/23 13:13	09/23/23 09:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	09/22/23 13:13	09/23/23 09:44	1
1,4-Difluorobenzene (Surr)	76		70 - 130	09/22/23 13:13	09/23/23 09:44	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			09/23/23 09:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/23/23 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 00:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 00:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 00:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	09/22/23 11:11	09/23/23 00:42	1
o-Terphenyl	92		70 - 130	09/22/23 11:11	09/23/23 00:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.7		5.05		mg/Kg			09/23/23 02:46	1

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-33525-22

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/23 13:13	09/23/23 10:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/23 13:13	09/23/23 10:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/23 13:13	09/23/23 10:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/23 13:13	09/23/23 10:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/23 13:13	09/23/23 10:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/23 13:13	09/23/23 10:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	09/22/23 13:13	09/23/23 10:05	1
1,4-Difluorobenzene (Surr)	72		70 - 130	09/22/23 13:13	09/23/23 10:05	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-33525-22

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/23/23 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			09/23/23 01:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 01:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 01:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		09/22/23 11:11	09/23/23 01:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/22/23 11:11	09/23/23 01:24	1
o-Terphenyl	100		70 - 130				09/22/23 11:11	09/23/23 01:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.8		4.98		mg/Kg			09/23/23 02:57	1

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-33525-23

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 13:13	09/23/23 10:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/22/23 13:13	09/23/23 10:25	1
1,4-Difluorobenzene (Surr)	65	S1-	70 - 130				09/22/23 13:13	09/23/23 10:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			09/23/23 01:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		09/22/23 11:11	09/23/23 01:45	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		09/22/23 11:11	09/23/23 01:45	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-33525-23

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		09/22/23 11:11	09/23/23 01:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/22/23 11:11	09/23/23 01:45	1
o-Terphenyl	103		70 - 130				09/22/23 11:11	09/23/23 01:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.4		4.97		mg/Kg			09/23/23 03:09	1

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-33525-24

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/22/23 11:10	09/22/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/22/23 11:10	09/22/23 23:10	1
1,4-Difluorobenzene (Surr)	73		70 - 130				09/22/23 11:10	09/22/23 23:10	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			09/22/23 23:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/23 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 02:05	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 02:05	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/22/23 11:11	09/23/23 02:05	1
o-Terphenyl	121		70 - 130				09/22/23 11:11	09/23/23 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.1		4.96		mg/Kg			09/23/23 03:20	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-15 (2')

Lab Sample ID: 880-33525-25

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/23 11:10	09/22/23 23:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/23 11:10	09/22/23 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/22/23 11:10	09/22/23 23:31	1
4-Bromofluorobenzene (Surr)	92		70 - 130	09/22/23 11:10	09/23/23 04:58	1
1,4-Difluorobenzene (Surr)	75		70 - 130	09/22/23 11:10	09/22/23 23:31	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	09/22/23 11:10	09/23/23 04:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/23 23:31	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			09/23/23 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/23/23 02:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/23/23 02:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/23/23 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	09/22/23 11:11	09/23/23 02:25	1
o-Terphenyl	100		70 - 130	09/22/23 11:11	09/23/23 02:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.3		4.99		mg/Kg			09/23/23 03:31	1

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-33525-26

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/22/23 11:10	09/22/23 23:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/22/23 11:10	09/22/23 23:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/22/23 11:10	09/22/23 23:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	09/22/23 11:10	09/22/23 23:51	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-33525-26

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/22/23 11:10	09/23/23 05:18	1
1,4-Difluorobenzene (Surr)	81		70 - 130	09/22/23 11:10	09/22/23 23:51	1
1,4-Difluorobenzene (Surr)	63	S1-	70 - 130	09/22/23 11:10	09/23/23 05:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/22/23 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			09/23/23 02:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		09/22/23 11:11	09/23/23 02:46	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		09/22/23 11:11	09/23/23 02:46	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		09/22/23 11:11	09/23/23 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/22/23 11:11	09/23/23 02:46	1
o-Terphenyl	120		70 - 130				09/22/23 11:11	09/23/23 02:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9	F1	4.98		mg/Kg			09/23/23 03:42	1

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-33525-27

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 11:10	09/23/23 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				09/22/23 11:10	09/23/23 00:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130				09/22/23 11:10	09/23/23 00:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			09/23/23 03:06	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-33525-27

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 03:06	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 03:06	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		09/22/23 11:11	09/23/23 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	09/22/23 11:11	09/23/23 03:06	1
o-Terphenyl	111		70 - 130	09/22/23 11:11	09/23/23 03:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.8		4.95		mg/Kg			09/23/23 04:16	1

Client Sample ID: SW-18 (2')

Lab Sample ID: 880-33525-28

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 11:10	09/23/23 00:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 11:10	09/23/23 00:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 11:10	09/23/23 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	09/22/23 11:10	09/23/23 00:32	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130	09/22/23 11:10	09/23/23 00:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/23/23 00:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			09/23/23 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/22/23 11:11	09/23/23 03:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		09/22/23 11:11	09/23/23 03:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/22/23 11:11	09/23/23 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/22/23 11:11	09/23/23 03:27	1
o-Terphenyl	124		70 - 130	09/22/23 11:11	09/23/23 03:27	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-18 (2')
Date Collected: 09/21/23 00:00
Date Received: 09/22/23 10:09

Lab Sample ID: 880-33525-28
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.04		mg/Kg			09/23/23 04:27	1

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

Surrogate Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-33525-1	CS-1 (1')	83	64 S1-
880-33525-2	CS-2 (1')	102	93
880-33525-3	CS-3 (2')	114	103
880-33525-4	CS-4 (2')	114	104
880-33525-5	CS-5 (2')	112	94
880-33525-6	CS-6 (2')	133 S1+	97
880-33525-7	CS-7 (2')	117	111
880-33525-8	CS-8 (2')	116	114
880-33525-9	CS-9 (2')	96	99
880-33525-10	CS-10 (2')	133 S1+	109
880-33525-11	SW-1 (1')	106	96
880-33525-12	SW-2 (1')	112	103
880-33525-13	SW-3 (1')	105	93
880-33525-14	SW-4 (1')	108	95
880-33525-15	SW-5 (2')	119	97
880-33525-16	SW-6 (2')	102	72
880-33525-17	SW-7 (2')	127	114
880-33525-18	SW-8 (2')	102	102
880-33525-19	SW-9 (2')	94	99
880-33525-20	SW-10 (2')	111	90
880-33525-21	SW-11 (2')	89	76
880-33525-21 MS	SW-11 (2')	118	103
880-33525-21 MSD	SW-11 (2')	116	101
880-33525-22	SW-12 (2')	94	72
880-33525-23	SW-13 (2')	90	65 S1-
880-33525-24	SW-14 (2')	90	73
880-33525-24 MS	SW-14 (2')	122	99
880-33525-24 MSD	SW-14 (2')	123	95
880-33525-25	SW-15 (2')	93	75
880-33525-25	SW-15 (2')	92	66 S1-
880-33525-26	SW-16 (2')	98	81
880-33525-26	SW-16 (2')	96	63 S1-
880-33525-27	SW-17 (2')	81	90
880-33525-28	SW-18 (2')	96	66 S1-
880-33525-A-1-D MS	880-33525-A-1-D MS	66 S1-	98
880-33525-A-1-E MSD	880-33525-A-1-E MSD	112	103
LCS 880-63055/1-A	Lab Control Sample	89	94
LCS 880-63056/1-A	Lab Control Sample	120	114
LCS 880-63060/1-A	Lab Control Sample	117	103
LCSD 880-63055/2-A	Lab Control Sample Dup	101	98
LCSD 880-63056/2-A	Lab Control Sample Dup	113	113
LCSD 880-63060/2-A	Lab Control Sample Dup	120	105
MB 880-63016/5-A	Method Blank	74	93
MB 880-63055/5-A	Method Blank	61 S1-	93
MB 880-63056/5-A	Method Blank	71	95
MB 880-63060/5-A	Method Blank	72	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Midland

Surrogate Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-33491-A-21-M MS	Matrix Spike	82	92
880-33491-A-21-N MSD	Matrix Spike Duplicate	90	99
880-33525-1	CS-1 (1')	83	78
880-33525-1 MS	CS-1 (1')	82	71
880-33525-1 MSD	CS-1 (1')	84	71
880-33525-2	CS-2 (1')	86	80
880-33525-3	CS-3 (2')	89	85
880-33525-4	CS-4 (2')	91	85
880-33525-5	CS-5 (2')	88	81
880-33525-6	CS-6 (2')	88	83
880-33525-7	CS-7 (2')	89	84
880-33525-8	CS-8 (2')	88	84
880-33525-9	CS-9 (2')	89	85
880-33525-10	CS-10 (2')	87	81
880-33525-11	SW-1 (1')	91	85
880-33525-12	SW-2 (1')	83	79
880-33525-13	SW-3 (1')	106	97
880-33525-14	SW-4 (1')	69 S1-	65 S1-
880-33525-15	SW-5 (2')	95	88
880-33525-16	SW-6 (2')	96	90
880-33525-17	SW-7 (2')	96	91
880-33525-18	SW-8 (2')	82	78
880-33525-19	SW-9 (2')	96	92
880-33525-20	SW-10 (2')	93	90
880-33525-21	SW-11 (2')	73	92
880-33525-22	SW-12 (2')	82	100
880-33525-23	SW-13 (2')	82	103
880-33525-24	SW-14 (2')	95	121
880-33525-25	SW-15 (2')	81	100
880-33525-26	SW-16 (2')	95	120
880-33525-27	SW-17 (2')	87	111
880-33525-28	SW-18 (2')	96	124
LCS 880-63059/2-A	Lab Control Sample	165 S1+	167 S1+
LCS 880-63061/2-A	Lab Control Sample	72	89
LCSD 880-63059/3-A	Lab Control Sample Dup	116	117
LCSD 880-63061/3-A	Lab Control Sample Dup	87	113
MB 880-63059/1-A	Method Blank	128	128
MB 880-63061/1-A	Method Blank	124	174 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63016/5-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/21/23 16:26	09/22/23 11:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/21/23 16:26	09/22/23 11:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/21/23 16:26	09/22/23 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/21/23 16:26	09/22/23 11:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/21/23 16:26	09/22/23 11:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/21/23 16:26	09/22/23 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	09/21/23 16:26	09/22/23 11:52	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/21/23 16:26	09/22/23 11:52	1

Lab Sample ID: MB 880-63055/5-A

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 16:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 16:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 16:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/22/23 16:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 10:47	09/22/23 16:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/23 10:47	09/22/23 16:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	61	S1-	70 - 130	09/22/23 10:47	09/22/23 16:23	1
1,4-Difluorobenzene (Surr)	93		70 - 130	09/22/23 10:47	09/22/23 16:23	1

Lab Sample ID: LCS 880-63055/1-A

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08452		mg/Kg		85	70 - 130
Toluene	0.100	0.1182		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1031		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2065		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1071		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-63055/2-A

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1139		mg/Kg		114	70 - 130	30	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-63055/2-A

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1194		mg/Kg		119	70 - 130	1	35
Ethylbenzene	0.100	0.1173		mg/Kg		117	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.2343		mg/Kg		117	70 - 130	13	35
o-Xylene	0.100	0.1142		mg/Kg		114	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-33525-A-1-D MS

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: 880-33525-A-1-D MS

Prep Type: Total/NA

Prep Batch: 63055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0293	F2 F1	0.0996	0.04506	F1	mg/Kg		16	70 - 130
Toluene	0.0113	F2 F1	0.0996	0.03770	F1	mg/Kg		27	70 - 130
Ethylbenzene	0.0537	F2 F1	0.0996	0.04483	F1	mg/Kg		-9	70 - 130
m-Xylene & p-Xylene	0.0813	F2 F1	0.199	0.09330	F1	mg/Kg		6	70 - 130
o-Xylene	0.0189	F2 F1	0.0996	0.03951	F1	mg/Kg		21	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-33525-A-1-E MSD

Matrix: Solid

Analysis Batch: 63072

Client Sample ID: 880-33525-A-1-E MSD

Prep Type: Total/NA

Prep Batch: 63055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0293	F2 F1	0.101	0.1094	F2	mg/Kg		79	70 - 130	83	35
Toluene	0.0113	F2 F1	0.101	0.1232	F2	mg/Kg		111	70 - 130	106	35
Ethylbenzene	0.0537	F2 F1	0.101	0.1093	F2 F1	mg/Kg		55	70 - 130	84	35
m-Xylene & p-Xylene	0.0813	F2 F1	0.202	0.2139	F2 F1	mg/Kg		66	70 - 130	79	35
o-Xylene	0.0189	F2 F1	0.101	0.1103	F2	mg/Kg		91	70 - 130	95	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-63056/5-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 09:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 09:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 09:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/22/23 13:13	09/23/23 09:23	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-63056/5-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63056

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/22/23 13:13	09/23/23 09:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/22/23 13:13	09/23/23 09:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	09/22/23 13:13	09/23/23 09:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/22/23 13:13	09/23/23 09:23	1

Lab Sample ID: LCS 880-63056/1-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63056

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09799		mg/Kg		98	70 - 130
Toluene	0.100	0.09811		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09948		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2102		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-63056/2-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63056

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09666		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.09722		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.09861		mg/Kg		99	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2050		mg/Kg		103	70 - 130	2	35
o-Xylene	0.100	0.1030		mg/Kg		103	70 - 130	3	35

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

Lab Sample ID: 880-33525-21 MS

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: SW-11 (2')

Prep Type: Total/NA

Prep Batch: 63056

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09443		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.0998	0.09044		mg/Kg		91	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.09419		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1939		mg/Kg		97	70 - 130
o-Xylene	<0.00200	U	0.0998	0.09505		mg/Kg		95	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33525-21 MS

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: SW-11 (2')

Prep Type: Total/NA

Prep Batch: 63056

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-33525-21 MSD

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: SW-11 (2')

Prep Type: Total/NA

Prep Batch: 63056

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07177		mg/Kg		72	70 - 130	27	35
Toluene	<0.00200	U	0.0996	0.06949		mg/Kg		70	70 - 130	26	35
Ethylbenzene	<0.00200	U	0.0996	0.07298		mg/Kg		73	70 - 130	25	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1507		mg/Kg		76	70 - 130	25	35
o-Xylene	<0.00200	U	0.0996	0.07528		mg/Kg		76	70 - 130	23	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-63060/5-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63060

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 22:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 22:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 22:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/22/23 11:10	09/22/23 22:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/22/23 11:10	09/22/23 22:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/22/23 11:10	09/22/23 22:49	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	09/22/23 11:10	09/22/23 22:49	1
1,4-Difluorobenzene (Surr)	89		70 - 130	09/22/23 11:10	09/22/23 22:49	1

Lab Sample ID: LCS 880-63060/1-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.1150		mg/Kg		115	70 - 130
Ethylbenzene	0.100	0.1173		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2495		mg/Kg		125	70 - 130
o-Xylene	0.100	0.1245		mg/Kg		124	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-63060/1-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63060

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

Lab Sample ID: LCSD 880-63060/2-A

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63060

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene			0.100	0.1023		mg/Kg		102	70 - 130	3	35
Toluene			0.100	0.1090		mg/Kg		109	70 - 130	5	35
Ethylbenzene			0.100	0.1118		mg/Kg		112	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2356		mg/Kg		118	70 - 130	6	35
o-Xylene			0.100	0.1170		mg/Kg		117	70 - 130	6	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-33525-24 MS

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: SW-14 (2')

Prep Type: Total/NA

Prep Batch: 63060

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00200	U	0.0998	0.09872		mg/Kg		99	70 - 130		
Toluene	<0.00200	U	0.0998	0.1074		mg/Kg		108	70 - 130		
Ethylbenzene	<0.00200	U	0.0998	0.1132		mg/Kg		113	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2382		mg/Kg		119	70 - 130		
o-Xylene	<0.00200	U	0.0998	0.1185		mg/Kg		119	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-33525-24 MSD

Matrix: Solid

Analysis Batch: 63041

Client Sample ID: SW-14 (2')

Prep Type: Total/NA

Prep Batch: 63060

	Sample	Sample	Spike	MSD	MSD				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0996	0.09451		mg/Kg		95	70 - 130	4	35
Toluene	<0.00200	U	0.0996	0.1061		mg/Kg		107	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.1171		mg/Kg		118	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2451		mg/Kg		123	70 - 130	3	35
o-Xylene	<0.00200	U	0.0996	0.1220		mg/Kg		122	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-63059/1-A

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/23 11:07	09/22/23 19:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	09/22/23 11:07	09/22/23 19:49	1
o-Terphenyl	128		70 - 130	09/22/23 11:07	09/22/23 19:49	1

Lab Sample ID: LCS 880-63059/2-A

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	906.5		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1111		mg/Kg		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	165	S1+	70 - 130
o-Terphenyl	167	S1+	70 - 130

Lab Sample ID: LCSD 880-63059/3-A

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63059

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	923.9		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1109		mg/Kg		111	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-33525-1 MS

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 63059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	996	714.7		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	118	F1	996	793.6	F1	mg/Kg		68	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-33525-1 MS

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 63059

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 880-33525-1 MSD

Matrix: Solid

Analysis Batch: 63027

Client Sample ID: CS-1 (1')

Prep Type: Total/NA

Prep Batch: 63059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	996	729.2		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	118	F1	996	805.4	F1	mg/Kg		69	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: MB 880-63061/1-A

Matrix: Solid

Analysis Batch: 63029

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/22/23 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/22/23 19:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/22/23 11:11	09/22/23 19:49	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	124		70 - 130	09/22/23 11:11	09/22/23 19:49	1
o-Terphenyl	174	S1+	70 - 130	09/22/23 11:11	09/22/23 19:49	1

Lab Sample ID: LCS 880-63061/2-A

Matrix: Solid

Analysis Batch: 63029

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	911.0		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1035		mg/Kg		104	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	72		70 - 130
o-Terphenyl	89		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-63061/3-A

Matrix: Solid

Analysis Batch: 63029

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63061

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1025		mg/Kg		102	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	999.6		mg/Kg		100	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	113		70 - 130						

Lab Sample ID: 880-33491-A-21-M MS

Matrix: Solid

Analysis Batch: 63029

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 63061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	994	770.3		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.3	U	994	962.2		mg/Kg		97	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	82		70 - 130								
o-Terphenyl	92		70 - 130								

Lab Sample ID: 880-33491-A-21-N MSD

Matrix: Solid

Analysis Batch: 63029

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 63061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	994	801.3		mg/Kg		78	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.3	U	994	1061		mg/Kg		107	70 - 130	10	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63049/1-A

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/22/23 18:29	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-63049/2-A

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-63049/3-A

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	241.5		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-33525-1 MS

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	150		250	409.7		mg/Kg		104	90 - 110

Lab Sample ID: 880-33525-1 MSD

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: CS-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	150		250	410.5		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-33525-11 MS

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: SW-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	42.5		248	284.5		mg/Kg		98	90 - 110

Lab Sample ID: 880-33525-11 MSD

Matrix: Solid

Analysis Batch: 63120

Client Sample ID: SW-1 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	42.5		248	284.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-63054/1-A

Matrix: Solid

Analysis Batch: 63124

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			09/23/23 00:32	1

Lab Sample ID: LCS 880-63054/2-A

Matrix: Solid

Analysis Batch: 63124

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

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QC Sample Results

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-63054/3-A

Matrix: Solid

Analysis Batch: 63124

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-33525-26 MS

Matrix: Solid

Analysis Batch: 63124

Client Sample ID: SW-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.9	F1	249	358.9	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 880-33525-26 MSD

Matrix: Solid

Analysis Batch: 63124

Client Sample ID: SW-16 (2')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	58.9	F1	249	360.6	F1	mg/Kg		121	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 63016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63016/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 63041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	8021B	63056
880-33525-21	SW-11 (2')	Total/NA	Solid	8021B	63056
880-33525-22	SW-12 (2')	Total/NA	Solid	8021B	63056
880-33525-23	SW-13 (2')	Total/NA	Solid	8021B	63056
880-33525-24	SW-14 (2')	Total/NA	Solid	8021B	63060
880-33525-25	SW-15 (2')	Total/NA	Solid	8021B	63060
880-33525-25	SW-15 (2')	Total/NA	Solid	8021B	63060
880-33525-26	SW-16 (2')	Total/NA	Solid	8021B	63060
880-33525-26	SW-16 (2')	Total/NA	Solid	8021B	63060
880-33525-27	SW-17 (2')	Total/NA	Solid	8021B	63060
880-33525-28	SW-18 (2')	Total/NA	Solid	8021B	63060
MB 880-63016/5-A	Method Blank	Total/NA	Solid	8021B	63016
MB 880-63056/5-A	Method Blank	Total/NA	Solid	8021B	63056
MB 880-63060/5-A	Method Blank	Total/NA	Solid	8021B	63060
LCS 880-63056/1-A	Lab Control Sample	Total/NA	Solid	8021B	63056
LCS 880-63060/1-A	Lab Control Sample	Total/NA	Solid	8021B	63060
LCSD 880-63056/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63056
LCSD 880-63060/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63060
880-33525-21 MS	SW-11 (2')	Total/NA	Solid	8021B	63056
880-33525-21 MSD	SW-11 (2')	Total/NA	Solid	8021B	63056
880-33525-24 MS	SW-14 (2')	Total/NA	Solid	8021B	63060
880-33525-24 MSD	SW-14 (2')	Total/NA	Solid	8021B	63060

Prep Batch: 63055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-2	CS-2 (1')	Total/NA	Solid	5035	
880-33525-3	CS-3 (2')	Total/NA	Solid	5035	
880-33525-4	CS-4 (2')	Total/NA	Solid	5035	
880-33525-5	CS-5 (2')	Total/NA	Solid	5035	
880-33525-6	CS-6 (2')	Total/NA	Solid	5035	
880-33525-7	CS-7 (2')	Total/NA	Solid	5035	
880-33525-8	CS-8 (2')	Total/NA	Solid	5035	
880-33525-9	CS-9 (2')	Total/NA	Solid	5035	
880-33525-10	CS-10 (2')	Total/NA	Solid	5035	
880-33525-11	SW-1 (1')	Total/NA	Solid	5035	
880-33525-12	SW-2 (1')	Total/NA	Solid	5035	
880-33525-13	SW-3 (1')	Total/NA	Solid	5035	
880-33525-14	SW-4 (1')	Total/NA	Solid	5035	
880-33525-15	SW-5 (2')	Total/NA	Solid	5035	
880-33525-16	SW-6 (2')	Total/NA	Solid	5035	
880-33525-17	SW-7 (2')	Total/NA	Solid	5035	
880-33525-18	SW-8 (2')	Total/NA	Solid	5035	
880-33525-19	SW-9 (2')	Total/NA	Solid	5035	
880-33525-20	SW-10 (2')	Total/NA	Solid	5035	
MB 880-63055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Prep Batch: 63055 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-A-1-D MS	880-33525-A-1-D MS	Total/NA	Solid	5035	
880-33525-A-1-E MSD	880-33525-A-1-E MSD	Total/NA	Solid	5035	

Prep Batch: 63056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	5035	
880-33525-21	SW-11 (2')	Total/NA	Solid	5035	
880-33525-22	SW-12 (2')	Total/NA	Solid	5035	
880-33525-23	SW-13 (2')	Total/NA	Solid	5035	
MB 880-63056/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63056/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63056/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33525-21 MS	SW-11 (2')	Total/NA	Solid	5035	
880-33525-21 MSD	SW-11 (2')	Total/NA	Solid	5035	

Prep Batch: 63060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-24	SW-14 (2')	Total/NA	Solid	5035	
880-33525-25	SW-15 (2')	Total/NA	Solid	5035	
880-33525-26	SW-16 (2')	Total/NA	Solid	5035	
880-33525-27	SW-17 (2')	Total/NA	Solid	5035	
880-33525-28	SW-18 (2')	Total/NA	Solid	5035	
MB 880-63060/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63060/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63060/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-33525-24 MS	SW-14 (2')	Total/NA	Solid	5035	
880-33525-24 MSD	SW-14 (2')	Total/NA	Solid	5035	

Analysis Batch: 63072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-2	CS-2 (1')	Total/NA	Solid	8021B	63055
880-33525-3	CS-3 (2')	Total/NA	Solid	8021B	63055
880-33525-4	CS-4 (2')	Total/NA	Solid	8021B	63055
880-33525-5	CS-5 (2')	Total/NA	Solid	8021B	63055
880-33525-6	CS-6 (2')	Total/NA	Solid	8021B	63055
880-33525-7	CS-7 (2')	Total/NA	Solid	8021B	63055
880-33525-8	CS-8 (2')	Total/NA	Solid	8021B	63055
880-33525-9	CS-9 (2')	Total/NA	Solid	8021B	63055
880-33525-10	CS-10 (2')	Total/NA	Solid	8021B	63055
880-33525-11	SW-1 (1')	Total/NA	Solid	8021B	63055
880-33525-12	SW-2 (1')	Total/NA	Solid	8021B	63055
880-33525-13	SW-3 (1')	Total/NA	Solid	8021B	63055
880-33525-14	SW-4 (1')	Total/NA	Solid	8021B	63055
880-33525-15	SW-5 (2')	Total/NA	Solid	8021B	63055
880-33525-16	SW-6 (2')	Total/NA	Solid	8021B	63055
880-33525-17	SW-7 (2')	Total/NA	Solid	8021B	63055
880-33525-18	SW-8 (2')	Total/NA	Solid	8021B	63055
880-33525-19	SW-9 (2')	Total/NA	Solid	8021B	63055
880-33525-20	SW-10 (2')	Total/NA	Solid	8021B	63055
MB 880-63055/5-A	Method Blank	Total/NA	Solid	8021B	63055
LCS 880-63055/1-A	Lab Control Sample	Total/NA	Solid	8021B	63055

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC VOA (Continued)

Analysis Batch: 63072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-63055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63055
880-33525-A-1-D MS	880-33525-A-1-D MS	Total/NA	Solid	8021B	63055
880-33525-A-1-E MSD	880-33525-A-1-E MSD	Total/NA	Solid	8021B	63055

Analysis Batch: 63243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	Total BTEX	
880-33525-2	CS-2 (1')	Total/NA	Solid	Total BTEX	
880-33525-3	CS-3 (2')	Total/NA	Solid	Total BTEX	
880-33525-4	CS-4 (2')	Total/NA	Solid	Total BTEX	
880-33525-5	CS-5 (2')	Total/NA	Solid	Total BTEX	
880-33525-6	CS-6 (2')	Total/NA	Solid	Total BTEX	
880-33525-7	CS-7 (2')	Total/NA	Solid	Total BTEX	
880-33525-8	CS-8 (2')	Total/NA	Solid	Total BTEX	
880-33525-9	CS-9 (2')	Total/NA	Solid	Total BTEX	
880-33525-10	CS-10 (2')	Total/NA	Solid	Total BTEX	
880-33525-11	SW-1 (1')	Total/NA	Solid	Total BTEX	
880-33525-12	SW-2 (1')	Total/NA	Solid	Total BTEX	
880-33525-13	SW-3 (1')	Total/NA	Solid	Total BTEX	
880-33525-14	SW-4 (1')	Total/NA	Solid	Total BTEX	
880-33525-15	SW-5 (2')	Total/NA	Solid	Total BTEX	
880-33525-16	SW-6 (2')	Total/NA	Solid	Total BTEX	
880-33525-17	SW-7 (2')	Total/NA	Solid	Total BTEX	
880-33525-18	SW-8 (2')	Total/NA	Solid	Total BTEX	
880-33525-19	SW-9 (2')	Total/NA	Solid	Total BTEX	
880-33525-20	SW-10 (2')	Total/NA	Solid	Total BTEX	
880-33525-21	SW-11 (2')	Total/NA	Solid	Total BTEX	
880-33525-22	SW-12 (2')	Total/NA	Solid	Total BTEX	
880-33525-23	SW-13 (2')	Total/NA	Solid	Total BTEX	
880-33525-24	SW-14 (2')	Total/NA	Solid	Total BTEX	
880-33525-25	SW-15 (2')	Total/NA	Solid	Total BTEX	
880-33525-26	SW-16 (2')	Total/NA	Solid	Total BTEX	
880-33525-27	SW-17 (2')	Total/NA	Solid	Total BTEX	
880-33525-28	SW-18 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 63027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	8015B NM	63059
880-33525-2	CS-2 (1')	Total/NA	Solid	8015B NM	63059
880-33525-3	CS-3 (2')	Total/NA	Solid	8015B NM	63059
880-33525-4	CS-4 (2')	Total/NA	Solid	8015B NM	63059
880-33525-5	CS-5 (2')	Total/NA	Solid	8015B NM	63059
880-33525-6	CS-6 (2')	Total/NA	Solid	8015B NM	63059
880-33525-7	CS-7 (2')	Total/NA	Solid	8015B NM	63059
880-33525-8	CS-8 (2')	Total/NA	Solid	8015B NM	63059
880-33525-9	CS-9 (2')	Total/NA	Solid	8015B NM	63059
880-33525-10	CS-10 (2')	Total/NA	Solid	8015B NM	63059
880-33525-11	SW-1 (1')	Total/NA	Solid	8015B NM	63059
880-33525-12	SW-2 (1')	Total/NA	Solid	8015B NM	63059

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-13	SW-3 (1')	Total/NA	Solid	8015B NM	63059
880-33525-14	SW-4 (1')	Total/NA	Solid	8015B NM	63059
880-33525-15	SW-5 (2')	Total/NA	Solid	8015B NM	63059
880-33525-16	SW-6 (2')	Total/NA	Solid	8015B NM	63059
880-33525-17	SW-7 (2')	Total/NA	Solid	8015B NM	63059
880-33525-18	SW-8 (2')	Total/NA	Solid	8015B NM	63059
880-33525-19	SW-9 (2')	Total/NA	Solid	8015B NM	63059
880-33525-20	SW-10 (2')	Total/NA	Solid	8015B NM	63059
MB 880-63059/1-A	Method Blank	Total/NA	Solid	8015B NM	63059
LCS 880-63059/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63059
LCSD 880-63059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63059
880-33525-1 MS	CS-1 (1')	Total/NA	Solid	8015B NM	63059
880-33525-1 MSD	CS-1 (1')	Total/NA	Solid	8015B NM	63059

Analysis Batch: 63029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-21	SW-11 (2')	Total/NA	Solid	8015B NM	63061
880-33525-22	SW-12 (2')	Total/NA	Solid	8015B NM	63061
880-33525-23	SW-13 (2')	Total/NA	Solid	8015B NM	63061
880-33525-24	SW-14 (2')	Total/NA	Solid	8015B NM	63061
880-33525-25	SW-15 (2')	Total/NA	Solid	8015B NM	63061
880-33525-26	SW-16 (2')	Total/NA	Solid	8015B NM	63061
880-33525-27	SW-17 (2')	Total/NA	Solid	8015B NM	63061
880-33525-28	SW-18 (2')	Total/NA	Solid	8015B NM	63061
MB 880-63061/1-A	Method Blank	Total/NA	Solid	8015B NM	63061
LCS 880-63061/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63061
LCSD 880-63061/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63061
880-33491-A-21-M MS	Matrix Spike	Total/NA	Solid	8015B NM	63061
880-33491-A-21-N MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	63061

Prep Batch: 63059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-33525-2	CS-2 (1')	Total/NA	Solid	8015NM Prep	
880-33525-3	CS-3 (2')	Total/NA	Solid	8015NM Prep	
880-33525-4	CS-4 (2')	Total/NA	Solid	8015NM Prep	
880-33525-5	CS-5 (2')	Total/NA	Solid	8015NM Prep	
880-33525-6	CS-6 (2')	Total/NA	Solid	8015NM Prep	
880-33525-7	CS-7 (2')	Total/NA	Solid	8015NM Prep	
880-33525-8	CS-8 (2')	Total/NA	Solid	8015NM Prep	
880-33525-9	CS-9 (2')	Total/NA	Solid	8015NM Prep	
880-33525-10	CS-10 (2')	Total/NA	Solid	8015NM Prep	
880-33525-11	SW-1 (1')	Total/NA	Solid	8015NM Prep	
880-33525-12	SW-2 (1')	Total/NA	Solid	8015NM Prep	
880-33525-13	SW-3 (1')	Total/NA	Solid	8015NM Prep	
880-33525-14	SW-4 (1')	Total/NA	Solid	8015NM Prep	
880-33525-15	SW-5 (2')	Total/NA	Solid	8015NM Prep	
880-33525-16	SW-6 (2')	Total/NA	Solid	8015NM Prep	
880-33525-17	SW-7 (2')	Total/NA	Solid	8015NM Prep	
880-33525-18	SW-8 (2')	Total/NA	Solid	8015NM Prep	
880-33525-19	SW-9 (2')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 63059 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-20	SW-10 (2')	Total/NA	Solid	8015NM Prep	
MB 880-63059/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63059/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33525-1 MS	CS-1 (1')	Total/NA	Solid	8015NM Prep	
880-33525-1 MSD	CS-1 (1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 63061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-21	SW-11 (2')	Total/NA	Solid	8015NM Prep	
880-33525-22	SW-12 (2')	Total/NA	Solid	8015NM Prep	
880-33525-23	SW-13 (2')	Total/NA	Solid	8015NM Prep	
880-33525-24	SW-14 (2')	Total/NA	Solid	8015NM Prep	
880-33525-25	SW-15 (2')	Total/NA	Solid	8015NM Prep	
880-33525-26	SW-16 (2')	Total/NA	Solid	8015NM Prep	
880-33525-27	SW-17 (2')	Total/NA	Solid	8015NM Prep	
880-33525-28	SW-18 (2')	Total/NA	Solid	8015NM Prep	
MB 880-63061/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63061/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63061/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33491-A-21-M MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-33491-A-21-N MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Total/NA	Solid	8015 NM	
880-33525-2	CS-2 (1')	Total/NA	Solid	8015 NM	
880-33525-3	CS-3 (2')	Total/NA	Solid	8015 NM	
880-33525-4	CS-4 (2')	Total/NA	Solid	8015 NM	
880-33525-5	CS-5 (2')	Total/NA	Solid	8015 NM	
880-33525-6	CS-6 (2')	Total/NA	Solid	8015 NM	
880-33525-7	CS-7 (2')	Total/NA	Solid	8015 NM	
880-33525-8	CS-8 (2')	Total/NA	Solid	8015 NM	
880-33525-9	CS-9 (2')	Total/NA	Solid	8015 NM	
880-33525-10	CS-10 (2')	Total/NA	Solid	8015 NM	
880-33525-11	SW-1 (1')	Total/NA	Solid	8015 NM	
880-33525-12	SW-2 (1')	Total/NA	Solid	8015 NM	
880-33525-13	SW-3 (1')	Total/NA	Solid	8015 NM	
880-33525-14	SW-4 (1')	Total/NA	Solid	8015 NM	
880-33525-15	SW-5 (2')	Total/NA	Solid	8015 NM	
880-33525-16	SW-6 (2')	Total/NA	Solid	8015 NM	
880-33525-17	SW-7 (2')	Total/NA	Solid	8015 NM	
880-33525-18	SW-8 (2')	Total/NA	Solid	8015 NM	
880-33525-19	SW-9 (2')	Total/NA	Solid	8015 NM	
880-33525-20	SW-10 (2')	Total/NA	Solid	8015 NM	
880-33525-21	SW-11 (2')	Total/NA	Solid	8015 NM	
880-33525-22	SW-12 (2')	Total/NA	Solid	8015 NM	
880-33525-23	SW-13 (2')	Total/NA	Solid	8015 NM	
880-33525-24	SW-14 (2')	Total/NA	Solid	8015 NM	
880-33525-25	SW-15 (2')	Total/NA	Solid	8015 NM	
880-33525-26	SW-16 (2')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

GC Semi VOA (Continued)

Analysis Batch: 63156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-27	SW-17 (2')	Total/NA	Solid	8015 NM	
880-33525-28	SW-18 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 63049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Soluble	Solid	DI Leach	
880-33525-2	CS-2 (1')	Soluble	Solid	DI Leach	
880-33525-3	CS-3 (2')	Soluble	Solid	DI Leach	
880-33525-4	CS-4 (2')	Soluble	Solid	DI Leach	
880-33525-5	CS-5 (2')	Soluble	Solid	DI Leach	
880-33525-6	CS-6 (2')	Soluble	Solid	DI Leach	
880-33525-7	CS-7 (2')	Soluble	Solid	DI Leach	
880-33525-8	CS-8 (2')	Soluble	Solid	DI Leach	
880-33525-9	CS-9 (2')	Soluble	Solid	DI Leach	
880-33525-10	CS-10 (2')	Soluble	Solid	DI Leach	
880-33525-11	SW-1 (1')	Soluble	Solid	DI Leach	
880-33525-12	SW-2 (1')	Soluble	Solid	DI Leach	
880-33525-13	SW-3 (1')	Soluble	Solid	DI Leach	
880-33525-14	SW-4 (1')	Soluble	Solid	DI Leach	
880-33525-15	SW-5 (2')	Soluble	Solid	DI Leach	
880-33525-16	SW-6 (2')	Soluble	Solid	DI Leach	
880-33525-17	SW-7 (2')	Soluble	Solid	DI Leach	
880-33525-18	SW-8 (2')	Soluble	Solid	DI Leach	
880-33525-19	SW-9 (2')	Soluble	Solid	DI Leach	
880-33525-20	SW-10 (2')	Soluble	Solid	DI Leach	
MB 880-63049/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63049/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63049/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33525-1 MS	CS-1 (1')	Soluble	Solid	DI Leach	
880-33525-1 MSD	CS-1 (1')	Soluble	Solid	DI Leach	
880-33525-11 MS	SW-1 (1')	Soluble	Solid	DI Leach	
880-33525-11 MSD	SW-1 (1')	Soluble	Solid	DI Leach	

Leach Batch: 63054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-21	SW-11 (2')	Soluble	Solid	DI Leach	
880-33525-22	SW-12 (2')	Soluble	Solid	DI Leach	
880-33525-23	SW-13 (2')	Soluble	Solid	DI Leach	
880-33525-24	SW-14 (2')	Soluble	Solid	DI Leach	
880-33525-25	SW-15 (2')	Soluble	Solid	DI Leach	
880-33525-26	SW-16 (2')	Soluble	Solid	DI Leach	
880-33525-27	SW-17 (2')	Soluble	Solid	DI Leach	
880-33525-28	SW-18 (2')	Soluble	Solid	DI Leach	
MB 880-63054/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63054/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63054/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33525-26 MS	SW-16 (2')	Soluble	Solid	DI Leach	
880-33525-26 MSD	SW-16 (2')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 63120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-1	CS-1 (1')	Soluble	Solid	300.0	63049
880-33525-2	CS-2 (1')	Soluble	Solid	300.0	63049
880-33525-3	CS-3 (2')	Soluble	Solid	300.0	63049
880-33525-4	CS-4 (2')	Soluble	Solid	300.0	63049
880-33525-5	CS-5 (2')	Soluble	Solid	300.0	63049
880-33525-6	CS-6 (2')	Soluble	Solid	300.0	63049
880-33525-7	CS-7 (2')	Soluble	Solid	300.0	63049
880-33525-8	CS-8 (2')	Soluble	Solid	300.0	63049
880-33525-9	CS-9 (2')	Soluble	Solid	300.0	63049
880-33525-10	CS-10 (2')	Soluble	Solid	300.0	63049
880-33525-11	SW-1 (1')	Soluble	Solid	300.0	63049
880-33525-12	SW-2 (1')	Soluble	Solid	300.0	63049
880-33525-13	SW-3 (1')	Soluble	Solid	300.0	63049
880-33525-14	SW-4 (1')	Soluble	Solid	300.0	63049
880-33525-15	SW-5 (2')	Soluble	Solid	300.0	63049
880-33525-16	SW-6 (2')	Soluble	Solid	300.0	63049
880-33525-17	SW-7 (2')	Soluble	Solid	300.0	63049
880-33525-18	SW-8 (2')	Soluble	Solid	300.0	63049
880-33525-19	SW-9 (2')	Soluble	Solid	300.0	63049
880-33525-20	SW-10 (2')	Soluble	Solid	300.0	63049
MB 880-63049/1-A	Method Blank	Soluble	Solid	300.0	63049
LCS 880-63049/2-A	Lab Control Sample	Soluble	Solid	300.0	63049
LCSD 880-63049/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63049
880-33525-1 MS	CS-1 (1')	Soluble	Solid	300.0	63049
880-33525-1 MSD	CS-1 (1')	Soluble	Solid	300.0	63049
880-33525-11 MS	SW-1 (1')	Soluble	Solid	300.0	63049
880-33525-11 MSD	SW-1 (1')	Soluble	Solid	300.0	63049

Analysis Batch: 63124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33525-21	SW-11 (2')	Soluble	Solid	300.0	63054
880-33525-22	SW-12 (2')	Soluble	Solid	300.0	63054
880-33525-23	SW-13 (2')	Soluble	Solid	300.0	63054
880-33525-24	SW-14 (2')	Soluble	Solid	300.0	63054
880-33525-25	SW-15 (2')	Soluble	Solid	300.0	63054
880-33525-26	SW-16 (2')	Soluble	Solid	300.0	63054
880-33525-27	SW-17 (2')	Soluble	Solid	300.0	63054
880-33525-28	SW-18 (2')	Soluble	Solid	300.0	63054
MB 880-63054/1-A	Method Blank	Soluble	Solid	300.0	63054
LCS 880-63054/2-A	Lab Control Sample	Soluble	Solid	300.0	63054
LCSD 880-63054/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63054
880-33525-26 MS	SW-16 (2')	Soluble	Solid	300.0	63054
880-33525-26 MSD	SW-16 (2')	Soluble	Solid	300.0	63054

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-1 (1')

Lab Sample ID: 880-33525-1

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63056	09/22/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 16:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 16:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 20:53	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 20:53	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 18:46	CH	EET MID

Client Sample ID: CS-2 (1')

Lab Sample ID: 880-33525-2

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 21:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 21:57	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:04	CH	EET MID

Client Sample ID: CS-3 (2')

Lab Sample ID: 880-33525-3

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 17:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 17:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 22:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 22:18	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:10	CH	EET MID

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-33525-4

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 18:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 18:07	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-4 (2')

Lab Sample ID: 880-33525-4

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63156	09/22/23 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 22:38	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:16	CH	EET MID

Client Sample ID: CS-5 (2')

Lab Sample ID: 880-33525-5

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 22:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 22:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:21	CH	EET MID

Client Sample ID: CS-6 (2')

Lab Sample ID: 880-33525-6

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:39	CH	EET MID

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-33525-7

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 19:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 19:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/22/23 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/22/23 23:40	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: CS-7 (2')

Lab Sample ID: 880-33525-7

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:45	CH	EET MID

Client Sample ID: CS-8 (2')

Lab Sample ID: 880-33525-8

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 19:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 19:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 00:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 00:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:51	CH	EET MID

Client Sample ID: CS-9 (2')

Lab Sample ID: 880-33525-9

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 20:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 00:21	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 00:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 19:56	CH	EET MID

Client Sample ID: CS-10 (2')

Lab Sample ID: 880-33525-10

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 20:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 20:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 00:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:02	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-1 (1')

Lab Sample ID: 880-33525-11

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 22:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 22:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 01:24	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 01:24	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:08	CH	EET MID

Client Sample ID: SW-2 (1')

Lab Sample ID: 880-33525-12

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 22:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 22:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:26	CH	EET MID

Client Sample ID: SW-3 (1')

Lab Sample ID: 880-33525-13

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 23:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 02:05	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:31	CH	EET MID

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-33525-14

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/22/23 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 23:38	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-4 (1')

Lab Sample ID: 880-33525-14

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 02:25	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:49	CH	EET MID

Client Sample ID: SW-5 (2')

Lab Sample ID: 880-33525-15

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 00:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 02:46	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 20:55	CH	EET MID

Client Sample ID: SW-6 (2')

Lab Sample ID: 880-33525-16

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 00:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 00:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 03:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 03:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 21:01	CH	EET MID

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-33525-17

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 00:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 03:27	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-7 (2')

Lab Sample ID: 880-33525-17

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 21:06	CH	EET MID

Client Sample ID: SW-8 (2')

Lab Sample ID: 880-33525-18

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 01:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 03:47	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 21:12	CH	EET MID

Client Sample ID: SW-9 (2')

Lab Sample ID: 880-33525-19

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 01:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 04:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 04:09	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 21:18	CH	EET MID

Client Sample ID: SW-10 (2')

Lab Sample ID: 880-33525-20

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63055	09/22/23 10:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63072	09/23/23 02:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 02:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 04:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63059	09/22/23 11:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63027	09/23/23 04:29	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63049	09/22/23 10:34	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63120	09/22/23 21:24	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-11 (2')

Lab Sample ID: 880-33525-21

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63056	09/22/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 09:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 09:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 00:42	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 02:46	CH	EET MID

Client Sample ID: SW-12 (2')

Lab Sample ID: 880-33525-22

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	63056	09/22/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 10:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 10:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 01:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 01:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 02:57	CH	EET MID

Client Sample ID: SW-13 (2')

Lab Sample ID: 880-33525-23

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63056	09/22/23 13:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 10:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 10:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 01:45	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 01:45	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 03:09	CH	EET MID

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-33525-24

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/22/23 23:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 23:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-14 (2')

Lab Sample ID: 880-33525-24

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 02:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 03:20	CH	EET MID

Client Sample ID: SW-15 (2')

Lab Sample ID: 880-33525-25

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/22/23 23:31	MNR	EET MID
Total/NA	Prep	5035			4.97 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 04:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 23:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 02:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 03:31	CH	EET MID

Client Sample ID: SW-16 (2')

Lab Sample ID: 880-33525-26

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/22/23 23:51	MNR	EET MID
Total/NA	Prep	5035			4.98 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 05:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/22/23 23:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 02:46	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 02:46	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 03:42	CH	EET MID

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-33525-27

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 00:11	MNR	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Client Sample ID: SW-17 (2')

Lab Sample ID: 880-33525-27

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 00:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 03:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 03:06	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 04:16	CH	EET MID

Client Sample ID: SW-18 (2')

Lab Sample ID: 880-33525-28

Date Collected: 09/21/23 00:00

Matrix: Solid

Date Received: 09/22/23 10:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63060	09/22/23 11:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63041	09/23/23 00:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			63243	09/23/23 00:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			63156	09/23/23 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63061	09/22/23 11:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63029	09/23/23 03:27	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	63054	09/22/23 10:38	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63124	09/23/23 04:27	CH	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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

Method Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

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

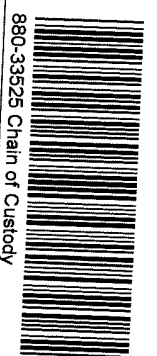
Sample Summary

Client: Carmona Resources
Project/Site: Patron Flare Fire

Job ID: 880-33525-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33525-1	CS-1 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-2	CS-2 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-3	CS-3 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-4	CS-4 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-5	CS-5 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-6	CS-6 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-7	CS-7 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-8	CS-8 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-9	CS-9 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-10	CS-10 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-11	SW-1 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-12	SW-2 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-13	SW-3 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-14	SW-4 (1')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-15	SW-5 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-16	SW-6 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-17	SW-7 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-18	SW-8 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-19	SW-9 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-20	SW-10 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-21	SW-11 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-22	SW-12 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-23	SW-13 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-24	SW-14 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-25	SW-15 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-26	SW-16 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-27	SW-17 (2')	Solid	09/21/23 00:00	09/22/23 10:09
880-33525-28	SW-18 (2')	Solid	09/21/23 00:00	09/22/23 10:09

Chain of Custody



880-33525 Chain of Custody

Page 1 of 1

Project Manager	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City, State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST	PRP
State of Project:	PRP
Reporting Level II	Level III
Deliverables EDD	ADAPT
Other	

Project Name	Patron Flare Fire	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number	2095	☐ Routine ☒ Rush														None NO	DI Water H ₂ O			
Project Location	Eddy County, New Mexico	Due Date	24 HR													Cool Cool	MeOH Me			
Sampler's Name	JR															HCL, HC	HNO ₃ HN			
PO #																H ₂ SO ₄ H ₂	NaOH Na			
SAMPLE RECEIPT	Temp Blank	Yes	No													H ₃ PO ₄ HP				
Received Intact:	Yes	No														NaHSO ₄ NABIS				
Cooler Custody Seals	Yes	No														Na ₂ S ₂ O ₃ NaSO ₃				
Sample Custody Seals	Yes	No														Zn Acetate+NaOH Zn				
Total Containers	Yes	No														NaOH+Ascorbic Acid SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1 (1)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-2 (1)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-3 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-4 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-5 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-6 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-7 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-8 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-9 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS-10 (2)	9/21/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9-22-23 1009		

Chain of Custody

Work Order No: 83525

Page 2 of 3

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

Project Name	Patron Flame Fire	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number	2095	☐ Routine ☒ Rush	24 HR														None NO	DI Water H ₂ O
Project Location	Eddy County, New Mexico	Due Date															Cool Cool	MeOH Me
Sampler's Name	JR																HCL HC	HNO ₃ HN
PO #																	H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes No	Yes No	Yes No													H ₃ PO ₄ HP	
Received Inact	Yes No		Thermometer ID														NaHSO ₄ NABIS	
Cooler Custody Seals	Yes No N/A		Correction Factor														Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No N/A		Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers			Corrected Temperature														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters										Sample Comments
							TPH										
SW-1 (1)	9/21/2023		X		Comp	1	X	X	X								
SW-2 (1)	9/21/2023		X		Comp	1	X	X	X								
SW-3 (1)	9/21/2023		X		Comp	1	X	X	X								
SW-4 (1)	9/21/2023		X		Comp	1	X	X	X								
SW-5 (2)	9/21/2023		X		Comp	1	X	X	X								
SW-6 (2)	9/21/2023		X		Comp	1	X	X	X								
SW-7 (2)	9/21/2023		X		Comp	1	X	X	X								
SW-8 (2)	9/21/2023		X		Comp	1	X	X	X								
SW-9 (2)	9/21/2023		X		Comp	1	X	X	X								
SW-10 (2)	9/21/2023		X		Comp	1	X	X	X								

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9-22-23 1009		

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

Chain of Custody

Work Order No:

Loc: 880
33525

Page 3 of 3

Project Manager	Conner Moehring	Bill to (if different)	Carmona Resources
Company Name	Carmona Resources	Company Name	
Address	310 W Wall St Ste 500	Address	
City State ZIP	Midland, TX 79701	City, State ZIP	
Phone	432-813-6823	Email	mcarmona@carmonaresources.com

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

[illegible]

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

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	9-22-23		
Mcarrona	1009		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-33525-1

SDG Number: Eddy County, New Mexico

Login Number: 33525**List Number: 1****List Source: Eurofins Midland****Creator: Rodriguez, Leticia**

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



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

September 26, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: PATRON FLARE FIRE

Enclosed are the results of analyses for samples received by the laboratory on 09/25/23 17:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/25/2023
 Reported: 09/26/2023
 Project Name: PATRON FLARE FIRE
 Project Number: 2095
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 09/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (1.5') (H235211-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.89	94.3	2.00	1.66	
Toluene*	<0.050	0.050	09/26/2023	ND	1.97	98.5	2.00	3.00	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.96	97.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.93	98.8	6.00	1.88	
Total BTEx	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	196	97.9	200	2.33	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	204	102	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/25/2023
 Reported: 09/26/2023
 Project Name: PATRON FLARE FIRE
 Project Number: 2095
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 09/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (1') (H235211-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.89	94.3	2.00	1.66	
Toluene*	<0.050	0.050	09/26/2023	ND	1.97	98.5	2.00	3.00	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.96	97.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.93	98.8	6.00	1.88	
Total BTX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	196	97.9	200	2.33	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	204	102	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/25/2023
 Reported: 09/26/2023
 Project Name: PATRON FLARE FIRE
 Project Number: 2095
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 09/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (1') (H235211-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.89	94.3	2.00	1.66	
Toluene*	<0.050	0.050	09/26/2023	ND	1.97	98.5	2.00	3.00	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.96	97.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.93	98.8	6.00	1.88	
Total BTX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	196	97.9	200	2.33	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	204	102	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/25/2023
 Reported: 09/26/2023
 Project Name: PATRON FLARE FIRE
 Project Number: 2095
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 09/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (1') (H235211-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	1.89	94.3	2.00	1.66	
Toluene*	<0.050	0.050	09/26/2023	ND	1.97	98.5	2.00	3.00	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.96	97.8	2.00	1.12	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.93	98.8	6.00	1.88	
Total BTX	<0.300	0.300	09/26/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/26/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2023	ND	196	97.9	200	2.33	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	204	102	200	7.61	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: 14235211

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Project Name:		Patron Flare Fire	
Project Number:	2095	☐ Routine ☒ Rush	
Project Location:	Eddy County, New Mexico	Due Date:	24 HR
Sampler's Name:	CRM		
PO #:			

SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Received Intact:	Yes ☒ No ☐	Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	1.45		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	1.6e				
Total Containers:		Corrected Temperature:					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
							Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500							None: NO	DI Water: H ₂ O
CS-1 (1.5)	9/25/2023		X		Comp	1	X	X	X								Cool: Cool	MeOH: Me
SW-1 (1)	9/25/2023		X		Comp	1	X	X	X								HCL: HC	HNO ₃ : HN
SW-3 (1)	9/25/2023		X		Comp	1	X	X	X								H ₂ SO ₄ : H ₂	NaOH: Na
SW-4 (1)	9/25/2023		X		Comp	1	X	X	X								H ₃ PO ₄ : HP	
																	NaHSO ₄ : NABIS	
																	Na ₂ S ₂ O ₅ : NaSO ₃	
																	Zn Acetate+NaOH: Zn	
																	NaOH+Ascorbic Acid: SAPC	

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-25-23 1710		

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

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

CONDITIONS

Action 272969

CONDITIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 272969
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2320850638 PATRON 23 FEDERAL 004H, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/19/2024