CARMONA RESOURCES

SITE INFORMATION

Closure Report
Screech Owl Federal 002H (06.13.23)
Incident #NAPP2319139283
Eddy County, New Mexico
Unit N Sec 18 T26S R27E
32.0359°, -104.2324°

Produced Water Release
Point of Release: Leaking Flowline
Release Date: 06.13.2023
Volume Released: 1.4859 Barrels of Produced Water
Volume Recovered: 0 Barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Concho Operating, LLC
15 West London Road
Loving, New Mexico 88256

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

CARMONA RESOURCES

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

CARMONA RESOURCES

October 31, 2023

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

Re: Closure Report
Screech Owl Federal 002H (06.13.23)
Concho Operating, LLC
Site Location: Unit N, S18, T26S, R27E
(Lat 32.0359º, Long -104.2324º)
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 Screech Owl Federal 002H (06.13.23). The site is located at 32.0359°, -104.2324° within Unit N, S18, T26S, R27E, and 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 June 13, 2023, caused by a leaking flowline due to corrosion. It released approximately one point four eight five nine (1.4859) barrels of produced water, and zero (0) barrels of produced water were recovered. The impacted area occurred off the pad, as 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 high karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest identified well is approximately 1.51 miles Northwest of the site in S12, T26S, R26E and was drilled in 2018. The well has a reported depth to groundwater of 12.60 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Site Assessment Activities

Initial Assessment

On June 16, 2023, Carmona Resources, LLC performed site assessment activities to evaluate the horizontal extent. A total of ten (10) horizontal samples (H-1 through H-10) were advanced to depths ranging from the surface to 0-1’ bgs surrounding the release area. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper

310 West Wall Street, Suite 500
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chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. The sample locations are shown in Figure 3.

Horizontal Delineation

The areas of H-1 and H-4 were below regulatory limits for benzene, total BTEX, TPH, and chloride concentrations. The areas of H-2, H-3, and H-5 through H-10 showed high chloride concentrations ranging from 1,840 to 46,700 mg/kg. Refer to Table 1.

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 5, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of seven (7) floor confirmation samples were collected (CS-1 through CS-7), and twelve (12) sidewall samples (SW-1 through SW-12) were collected every 200 square feet to ensure the proper removal of the contaminated soils. The release extent was excavated to a depth of 1.5'-2' below the surface to remove all impacted material. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

Ten (10) horizontal points (H-1 through H-10) were recollected at depths ranging from the surface to 0.5' bgs outside the release area to evaluate soil impacts from the release. All horizontal samples that showed high concentrations of chlorides during the initial assessment were resampled, and sidewalls were extended 1'-2.5' during remediation activities to ensure the removal of all impacted material. See Figure 3A.

All final confirmation samples were below the regulatory limits 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 80 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

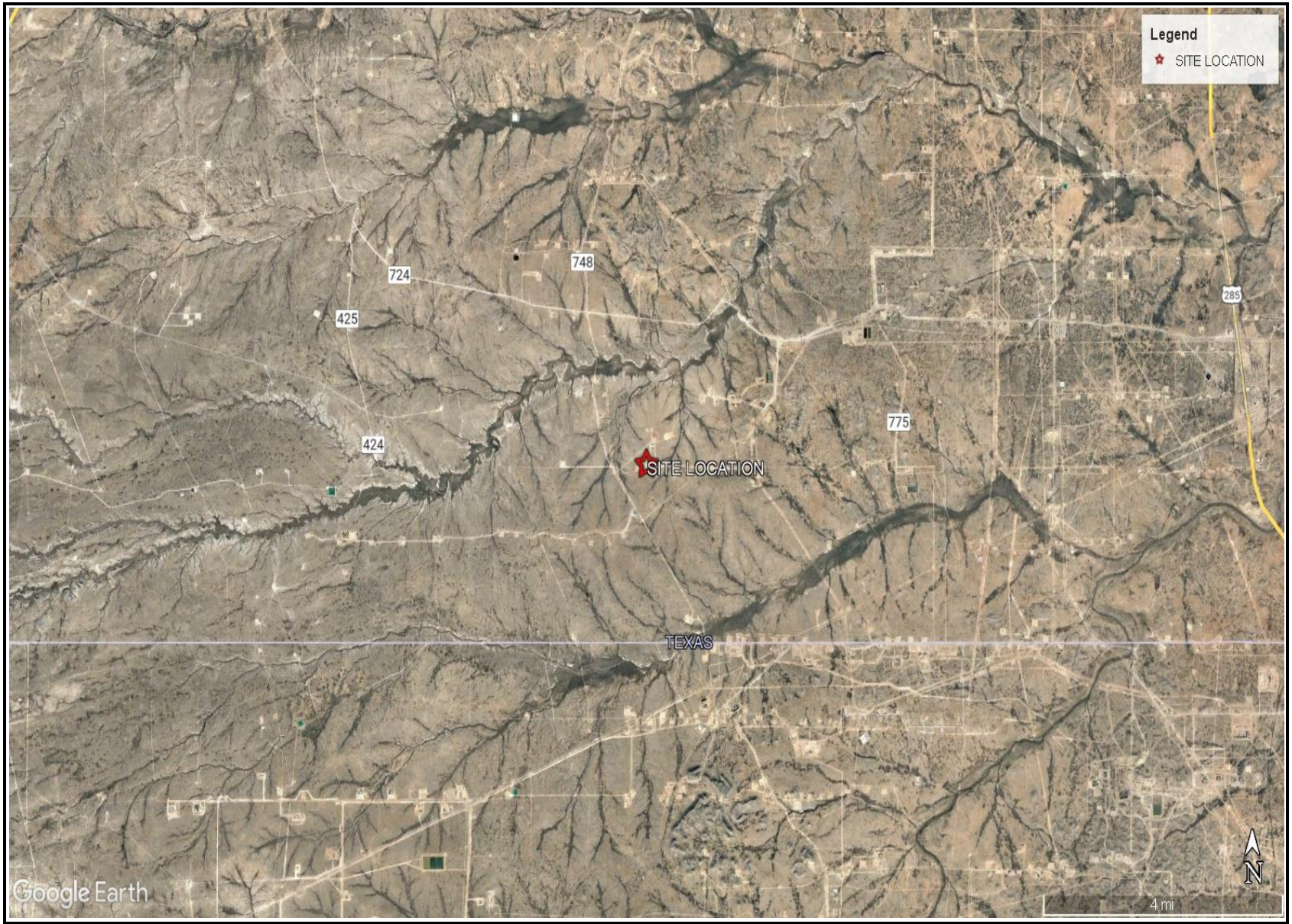
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

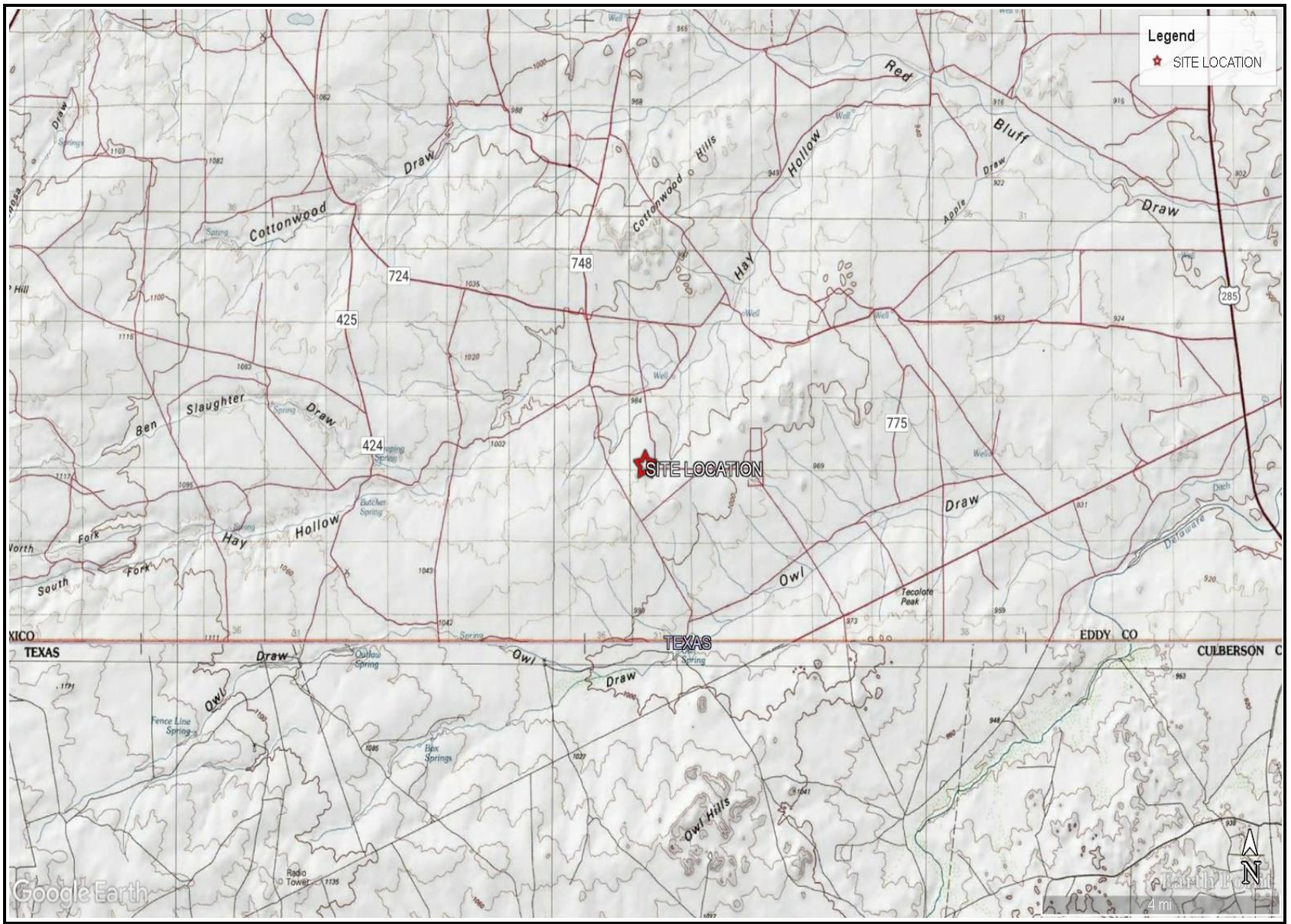
310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES



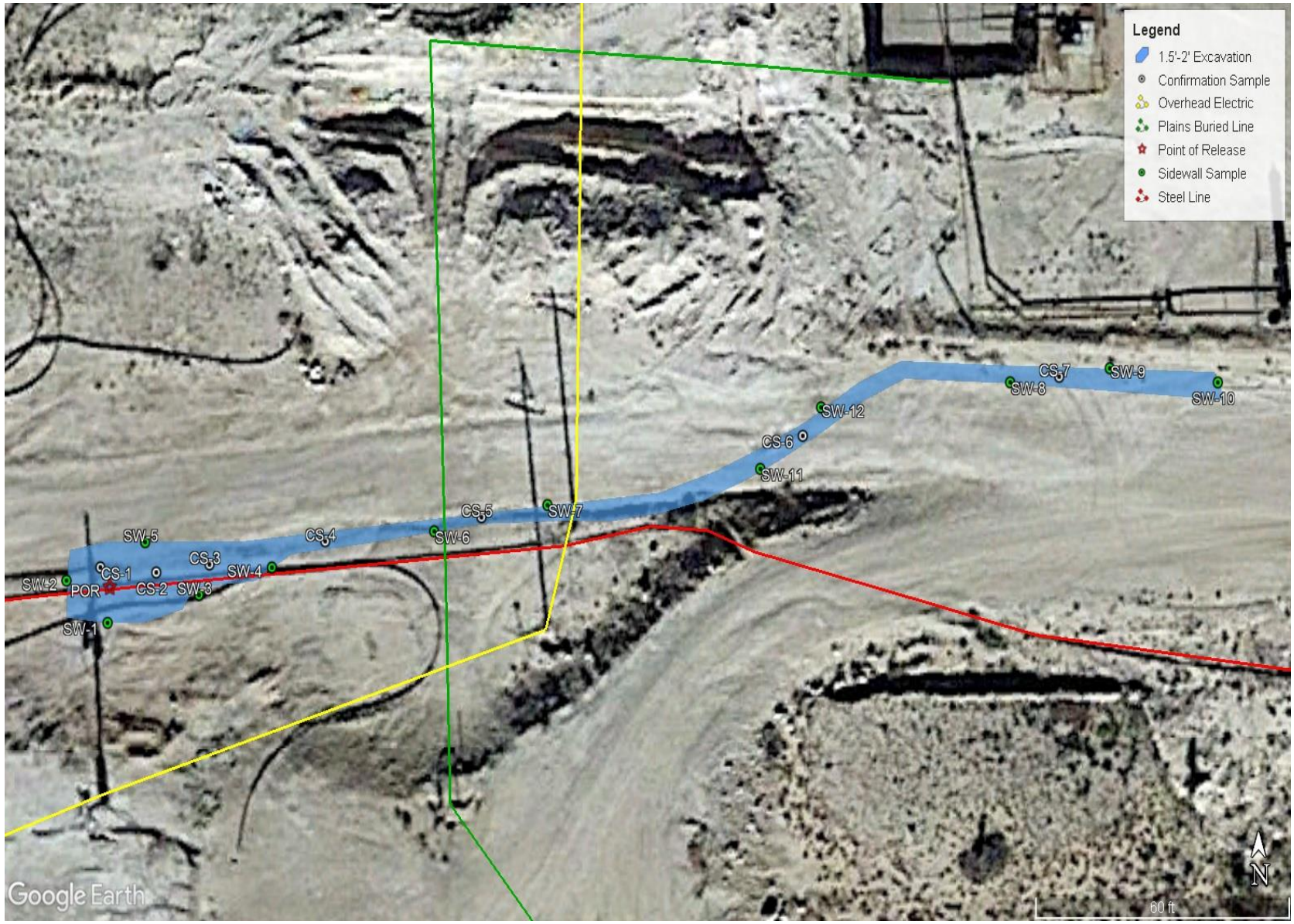
OVERVIEW MAP COG OPERATING, LLC SCREECH OWL FEDERAL 002H (06.13.23) EDDY COUNTY, NEW MEXICO 32.0359°, -104.2324°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC SCREECH OWL FEDERAL 002H (06.13.23) EDDY COUNTY, NEW MEXICO 32.0359°, -104.2324°	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP (06.16.23) COG OPERATING, LLC SCREECH OWL FEDERAL 002H (06.13.23) EDDY COUNTY, NEW MEXICO 32.0359°, -104.2324°	CARMONA RESOURCES	FIGURE 3

SAMPLE LOCATION MAP (09.08.23) COG OPERATING, LLC SCREECH OWL FEDERAL 002H (06.13.23) EDDY COUNTY, NEW MEXICO 32.0359°, -104.2324°	CARMONA RESOURCES	FIGURE 3A



EXCAVATION MAP COG OPERATING, LLC SCREECH OWL FEDERAL 002H (06.13.23) EDDY COUNTY, NEW MEXICO 32.0359°, -104.2324°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
COG Operating, LLC
Screech Owl Federal 002H (06.13.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	6/16/2023	0-1	<49.9	<49.10	<49.11	<49.12	<49.13	<49.14	<49.15	<49.16	<49.17	<49.18
H-2	6/16/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**22,300**
H-3	6/16/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**26,600**
H-4	6/16/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	586
H-5	6/16/2023	0-1	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**24,400**
H-6	6/16/2023	0-1	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**15,500**
H-7	6/16/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**1,840**
H-8	6/16/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**17,600**
H-9	6/16/2023	0-1	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**40,600**
H-10	6/16/2023	0-1	<49.9	76.5	<49.9	76.5	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**46,700**
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Removed

Table 1
COG Operating, LLC
Screech Owl Federal 002H (06.13.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
H-2	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
H-3	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-4	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-5	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-6	9/8/2023	0-0.5'	<10.0	13.9	<10.0	13.9	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-7	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
H-8	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
H-9	9/8/2023	0-0.5'	<10.0	17.5	<10.0	17.5	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
H-10	9/8/2023	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	336
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH - Total Petroleum Hydrocarbons

ft - feet

(H) Horizontal Sample

Table 2
COG Operating, LLC
Screech Owl Federal 002H (06.13.23)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	480
CS-2	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
CS-3	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	496
CS-4	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544
CS-5	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
CS-6	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
CS-7	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**624**
	9/11/2023	2.0'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-1	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**624**
	9/11/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-2	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SW-3	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
SW-4	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-5	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
SW-6	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-7	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	448
SW-8	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-9	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
SW-10	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-11	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SW-12	9/8/2023	1.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

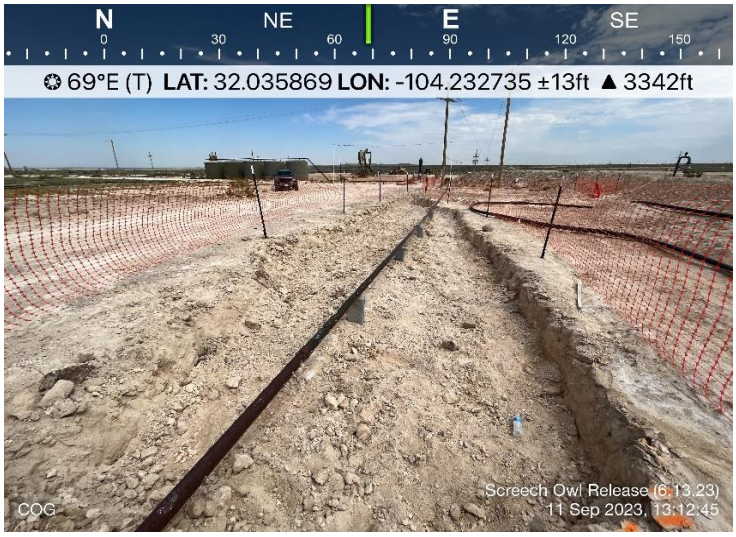
Concho Operating, LLC

Photograph No. 1

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

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



Photograph No. 2

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

Description:
View West, area of CS-1 through CS-4.

Photograph No. 3

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

Description:
View East, area of CS-5.

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

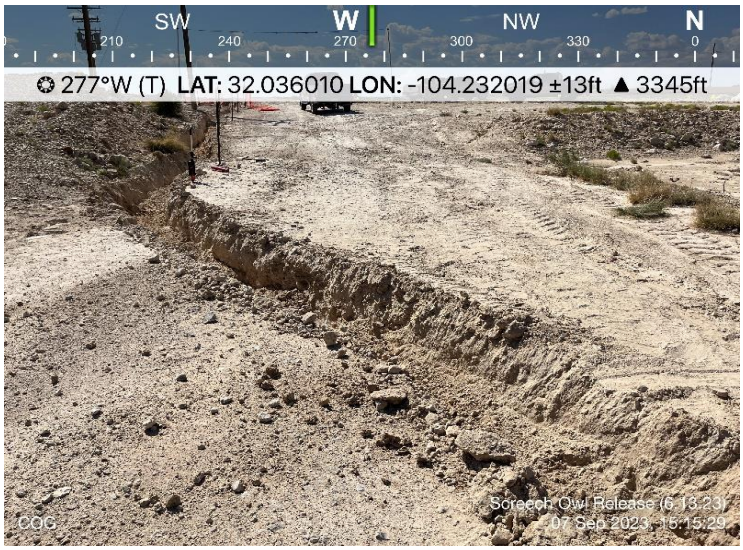
Description:
View West, area of CS-5.

Photograph No. 5

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

Description:
View West, area of CS-6.



Photograph No. 6

Facility: Screech Owl Federal 002H (06.13.23)

County: Eddy County, New Mexico

Description:
View East, area of CS-7.

CARMONA RESOURCES

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		

State of New Mexico
Oil Conservation Division

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 not 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: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 7/10/2023

Spill Calculation - Subsurface Spill - Rectangle								Remediation Recommendation	
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	On/Off Pad (dropdown)	Soil Spilled-Fluid Saturation (%.)	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Total Estimated Contaminated Soil, uncompacted, 25% (yd^3.)	Current Rule of Thumb - RMR Handover Volume, (yd^3.)
Rectangle A	400.0	1.0	2.0	Off-Pad	11.13%	11.87	1.32	3.09	750
Rectangle B	20.0	5.0	1.0	Off-Pad	11.13%	1.48	0.17	0.39	
Rectangle C				Off-Pad	11.13%	0.00	0.00	0.00	
Rectangle D				Off-Pad	11.13%	0.00	0.00	0.00	
Rectangle E				Off-Pad	11.13%	0.00	0.00	0.00	
Rectangle F						0.00		0.00	
Rectangle G						0.00		0.00	
Rectangle H						0.00		0.00	
Rectangle I						0.00		0.00	
[redacted]						0.00		0.00	
					Total Subsurface Volume Released:		1.4859	3.47	BU

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

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 237908
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/10/2023

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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

State of New Mexico
Oil Conservation Division

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: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Shelly Wells Date: 11/6/2023

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: _____

Good afternoon, Devin

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

Thank you,

Mike Buchanan ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.490.0798 | michael.buchanan@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

From: Devin Dominguez <Ddominguez@carmonaresources.com>
Sent: Tuesday, September 5, 2023 3:16 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Mike Carmona <Mcarmona@carmonaresources.com>; Conner Moehring <Cmoehring@carmonaresources.com>; jacqui.harris@conocophillips.com
Subject: [EXTERNAL] COG Screech Owl Flowline Release (6.13.23) - Sampling Notification

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

This email serves as a notification for confirmation sampling on the COG Screech Owl Flowline Release (6.13.23). Sampling is scheduled to begin on Friday, September 8th around 8:00 a.m. Mountain Time. Carmona Resources personnel will be on-site to collect the confirmation samples.

COG - Screech Owl Flowline Release (6.13.23)
Sec 18 T26S R27E Unit N
32.03599, -104.23246
Eddy County, New Mexico

Devin Dominguez
310 West Wall Street, Suite 500
Midland Texas, 79701
M: 432-701-5475
ddominguez@carmonaresources.com

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating

Legend

- 0.50 Mile Radius
- 1.51 Miles
- 1.82 Miles
- 2.35 Miles
- 2.45 Miles
- 2.79 Miles
- NMSEO Water Well
- Screech Owl Flowline Release (6.13.23)
- USGS Water Well

8.94' - Drilled 2003

17.75' - Drilled 2003

12.60' - Drilled 2018

35.92' - Drilled 1998

31' - Drilled 1980

Screech Owl Flowline Release (6.13.23)

N

1 mi

High Karst
COG Operating

Legend
High
Screech Owl Flowline Release (6.13.23)

Screech Owl Flowline Release (6.13.23)

Google Earth

N

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-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04269 POD1	CUB	ED	4	2	3	18	26S	27E	572620	3545176	516	105		
C 02218	CUB	ED	4	1	4	07	26S	27E	573039	3546725*	2120	35		
C 02438	CUB	ED	4	2	3	12	26S	26E	571015	3546705*	2491	30		
C 01887	C	ED	4	4	2	15	26S	26E	568614	3545497*	3941	53	31	22
C 02439	CUB	ED	2	4	2	15	26S	26E	568614	3545697*	3987	30		

Average Depth to Water: **31 feet**

Minimum Depth: **31 feet**

Maximum Depth: **31 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 572470 **Northing (Y):** 3544682 **Radius:** 4000

***UTM location was derived from PLSS - see Help**

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Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320320104145101

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320320104145101 26S.26E.12.34120

Eddy County, New Mexico
Latitude 32°03'09.7", Longitude 104°14'56.7" NAD83
Land-surface elevation 3,230.90 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-25		D	62610		3217.55	NGVD29	1	Z		
1978-01-25		D	62611		3219.22	NAVD88	1	Z		
1978-01-25		D	72019	13.35			1	Z		
1992-11-18		D	62610		3218.87	NGVD29	1	S		
1992-11-18		D	62611		3220.54	NAVD88	1	S		
1992-11-18		D	72019	12.03			1	S		
1998-01-13		D	62610		3215.24	NGVD29	1	S		
1998-01-13		D	62611		3216.91	NAVD88	1	S		
1998-01-13		D	72019	15.66			1	S		
2003-01-28		D	62610		3214.44	NGVD29	1	S	USGS	
2003-01-28		D	62611		3216.11	NAVD88	1	S	USGS	
2003-01-28		D	72019	16.46			1	S	USGS	
2013-01-09	22:10 UTC	m	62610		3213.80	NGVD29	1	S	USGS	
2013-01-09	22:10 UTC	m	62611		3215.47	NAVD88	1	S	USGS	
2013-01-09	22:10 UTC	m	72019	17.10			1	S	USGS	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
2018-02-15	22:14 UTC	m	62610		3218.30	NGVD29	1	S	USGS	
2018-02-15	22:14 UTC	m	62611		3219.97	NAVD88	1	S	USGS	
2018-02-15	22:14 UTC	m	72019	12.60			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
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: 2023-06-15 16:21:51 EDT
0.33 0.28 nadww02

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National Water Information System: Web Interface

USGS Water Resources

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

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320343104110201

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320343104110201 26S.27E.08.13230

Eddy County, New Mexico
Latitude 32°03'32.4", Longitude 104°13'03.9" NAD83
Land-surface elevation 3,182.10 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-03		D	62610		3164.52	NGVD29	1	Z		
1978-01-03		D	62611		3166.18	NAVD88	1	Z		
1978-01-03		D	72019	17.58			1	Z		
1983-01-05		D	62610		3166.54	NGVD29	1	Z		
1983-01-05		D	62611		3168.20	NAVD88	1	Z		
1983-01-05		D	72019	15.56			1	Z		
1987-10-08		D	62610		3167.72	NGVD29	1	Z		
1987-10-08		D	62611		3169.38	NAVD88	1	Z		
1987-10-08		D	72019	14.38			1	Z		
1992-11-04		D	62610		3165.85	NGVD29	1	S		
1992-11-04		D	62611		3167.51	NAVD88	1	S		
1992-11-04		D	72019	16.25			1	S		
1998-01-13		D	62610		3165.45	NGVD29	1	S		
1998-01-13		D	62611		3167.11	NAVD88	1	S		
1998-01-13		D	72019	16.65			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 measur
2003-01-28		D	62610		3164.88	NGVD29	1	S	USGS	
2003-01-28		D	62611		3166.54	NAVD88	1	S	USGS	
2003-01-28		D	72019	17.22			1	S	USGS	
2013-01-09	21:45 UTC	m	62610		3173.16	NGVD29	1	S	USGS	
2013-01-09	21:45 UTC	m	62611		3174.82	NAVD88	1	S	USGS	
2013-01-09	21:45 UTC	m	72019	8.94			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-06-15 16:20:45 EDT
0.28 0.24 nadww01

National Water Information System: Web Interface

USGS Water Resources

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

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Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320244104161501

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320244104161501 26S.26E.15.24444

Eddy County, New Mexico
Latitude 32°02'44", Longitude 104°16'15" NAD27
Land-surface elevation 3,280 feet above NAVD88
The depth of the well is 53 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1983-08-24		D	62610		3246.37	NGVD29	1	Z		
1983-08-24		D	62611		3248.04	NAVD88	1	Z		
1983-08-24		D	72019	31.96			1	Z		
1987-10-08		D	62610		3248.64	NGVD29	1	Z		
1987-10-08		D	62611		3250.31	NAVD88	1	Z		
1987-10-08		D	72019	29.69			1	Z		
1992-11-18		D	62610		3246.72	NGVD29	1	S		
1992-11-18		D	62611		3248.39	NAVD88	1	S		
1992-11-18		D	72019	31.61			1	S		
1998-01-08		D	62610		3242.41	NGVD29	1	S		
1998-01-08		D	62611		3244.08	NAVD88	1	S		
1998-01-08		D	72019	35.92			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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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	C 01887	4	4	2	15	26S	26E	568614	3545497*

Driller License:	817	**Driller Company:**	WEST, BILLY GEORGE		
Driller Name:	GEORGE WEST				
Drill Start Date:	03/26/1980	**Drill Finish Date:**	04/27/1980	**Plug Date:**	
Log File Date:	05/09/1980	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	12 GPM
Casing Size:	6.00	**Depth Well:**	53 feet	**Depth Water:**	31 feet

Water Bearing Stratifications:	Top	Bottom	Description
	42	45	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	40	53

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

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

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 320323104112901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 320323104112901 26S.27E.07.414444

Eddy County, New Mexico
Latitude 32°03'23", Longitude 104°11'29" NAD27
Land-surface elevation 3,268 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Castile Formation (312CSTL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1978-01-25		D	62610		3257.04	NGVD29	1	Z		
1978-01-25		D	62611		3258.69	NAVD88	1	Z		
1978-01-25		D	72019	9.31			1	Z		
1983-01-25		D	62610		3258.77	NGVD29	P	Z		
1983-01-25		D	62611		3260.42	NAVD88	P	Z		
1983-01-25		D	72019	7.58			P	Z		
1987-10-08		D	62610		3258.70	NGVD29	1	Z		
1987-10-08		D	62611		3260.35	NAVD88	1	Z		
1987-10-08		D	72019	7.65			1	Z		
1988-04-07		D	62610		3259.93	NGVD29	1	Z		
1988-04-07		D	62611		3261.58	NAVD88	1	Z		
1988-04-07		D	72019	6.42			1	Z		
1992-11-18		D	62610		3257.57	NGVD29	1	S		
1992-11-18		D	62611		3259.22	NAVD88	1	S		
1992-11-18		D	72019	8.78			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 measur
1998-01-13		D	62610		3252.60	NGVD29	1	S		
1998-01-13		D	62611		3254.25	NAVD88	1	S		
1998-01-13		D	72019	13.75			1	S		
2003-01-28		D	62610		3248.60	NGVD29	1	S	USGS	
2003-01-28		D	62611		3250.25	NAVD88	1	S	USGS	
2003-01-28		D	72019	17.75			1	S	USGS	

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
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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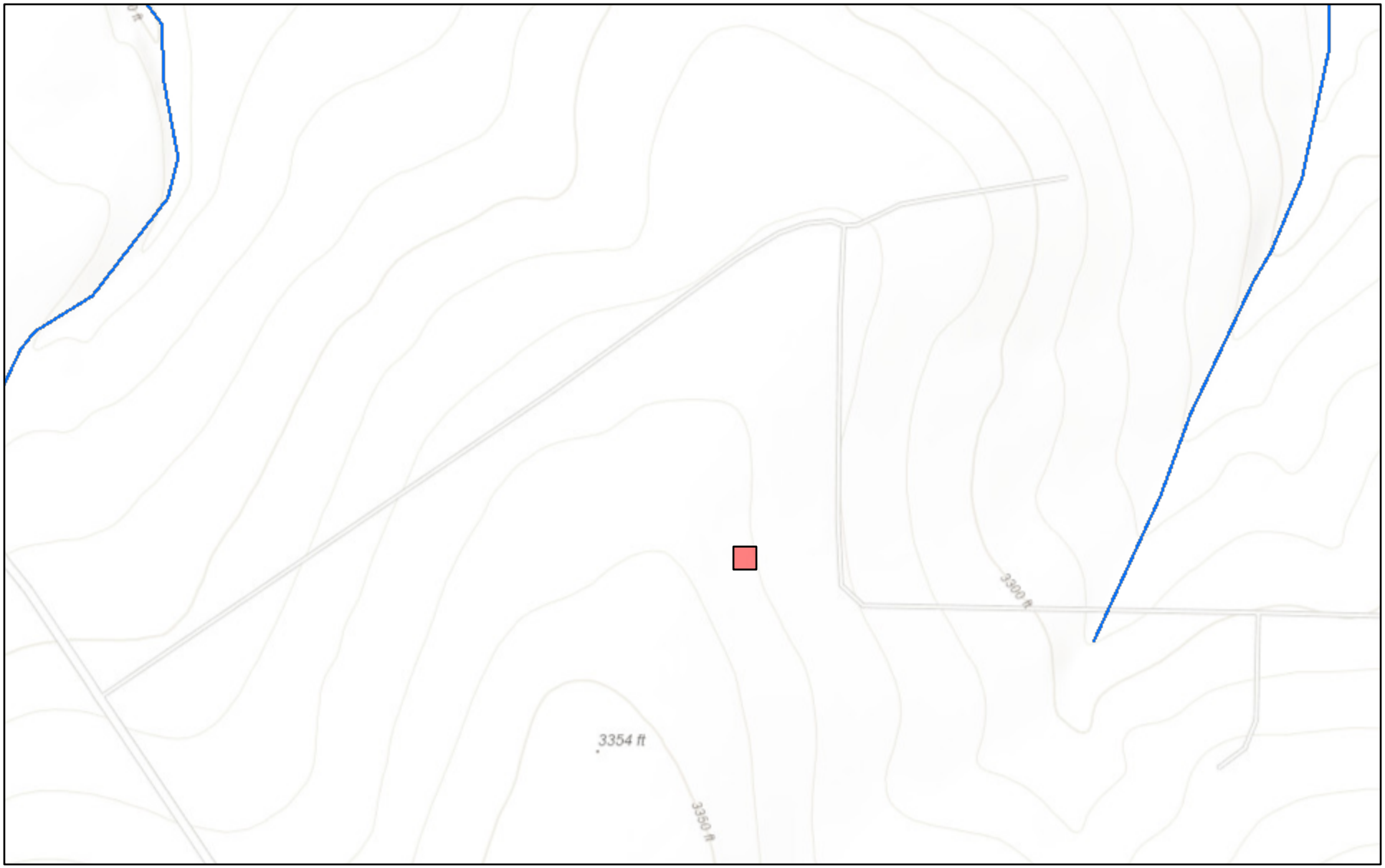
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2023-06-15 16:19:35 EDT
0.28 0.24 nadww01

New Mexico NFHL Data



June 15, 2023

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 6/21/2023 1:28:49 PM

JOB DESCRIPTION

Screech Owl Flowline Relase
SDG NUMBER Eddy County, New Mexico

JOB NUMBER

880-29685-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

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
6/21/2023 1:28:49 PM

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

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Laboratory Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Job ID: 880-29685-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-29685-1

Receipt
The samples were received on 6/19/2023 10:55 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 0.0°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: CCV was biased half for all analytes. This appears to have been a prep error by the analyst. The following CCV was analyzed and acceptable. Therefore, the data was qualified and reported. (CCV 880-55778/51)

Method 8021B: Surrogate recovery for the following samples were outside control limits: (MB 880-55739/5-A) and (MB 880-55836/5-A). Evidence of matrix interferences is not obvious.

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 880-55834 and analytical batch 880-55766 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (0-1') (880-29685-1), H-2 (0-1') (880-29685-2), H-3 (0-1') (880-29685-3), (880-29684-A-1-D), (880-29684-A-1-E MS) and (880-29684-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-55882 and analytical batch 880-55879 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-55879/20) and (CCV 880-55879/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-55882 and analytical batch 880-55879 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.

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: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29685-1
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 00:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 00:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 00:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/19/23 13:31	06/20/23 00:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 00:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/19/23 13:31	06/20/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*06/19/23 13:31*	*06/20/23 00:38*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/19/23 13:31*	*06/20/23 00:38*	*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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.3**		49.9		mg/Kg			06/20/23 10:35	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		06/19/23 12:53	06/19/23 22:45	1
Diesel Range Organics (Over C10-C28)	**55.3**		49.9		mg/Kg		06/19/23 12:53	06/19/23 22:45	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/19/23 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*06/19/23 12:53*	*06/19/23 22:45*	*1*
o-Terphenyl	*120*		*70 - 130*	*06/19/23 12:53*	*06/19/23 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29500**		250		mg/Kg			06/20/23 15:15	50

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

Lab Sample ID: 880-29685-2
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 00:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 00:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 00:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/19/23 13:31	06/20/23 00:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 00:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/19/23 13:31	06/20/23 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/19/23 13:31*	*06/20/23 00:59*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/19/23 13:31*	*06/20/23 00:59*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

Lab Sample ID: 880-29685-2
Matrix: Solid

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			06/20/23 12:15	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			06/20/23 10:35	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		06/19/23 12:53	06/19/23 23:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/19/23 23:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/19/23 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*06/19/23 12:53*	*06/19/23 23:07*	*1*
o-Terphenyl	*121*		*70 - 130*	*06/19/23 12:53*	*06/19/23 23:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22300**		251		mg/Kg			06/20/23 15:32	50

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

Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

Lab Sample ID: 880-29685-3
Matrix: Solid

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		06/19/23 13:31	06/20/23 01:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/19/23 13:31	06/20/23 01:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/19/23 13:31	06/20/23 01:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/19/23 13:31	06/20/23 01:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/19/23 13:31	06/20/23 01:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/19/23 13:31	06/20/23 01:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/19/23 13:31*	*06/20/23 01:20*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*06/19/23 13:31*	*06/20/23 01:20*	*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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/23 10:35	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		06/19/23 12:53	06/19/23 23:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 23:29	1

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29685-3
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*157*	*S1+*	*70 - 130*	*06/19/23 12:53*	*06/19/23 23:29*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*06/19/23 12:53*	*06/19/23 23:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26600**		249		mg/Kg			06/20/23 15:38	50

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

Lab Sample ID: 880-29685-4
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 01:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/19/23 13:31	06/20/23 01:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/19/23 13:31	06/20/23 01:40	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		06/19/23 13:31	06/20/23 01:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/19/23 13:31	06/20/23 01:40	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		06/19/23 13:31	06/20/23 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*06/19/23 13:31*	*06/20/23 01:40*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*06/19/23 13:31*	*06/20/23 01:40*	*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			06/20/23 12:15	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			06/20/23 10:35	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		06/19/23 12:53	06/19/23 23:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/19/23 23:51	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/19/23 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/19/23 12:53*	*06/19/23 23:51*	*1*
o-Terphenyl	*95*		*70 - 130*	*06/19/23 12:53*	*06/19/23 23:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**586**		50.3		mg/Kg			06/20/23 15:44	10

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29685-5
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 02:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 02:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 02:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/19/23 13:31	06/20/23 02:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 02:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/19/23 13:31	06/20/23 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:01*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:01*	*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			06/20/23 12:15	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			06/20/23 10:35	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		06/19/23 12:53	06/20/23 00:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		06/19/23 12:53	06/20/23 00:13	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/19/23 12:53	06/20/23 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:13*	*1*
o-Terphenyl	*111*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24400**		251		mg/Kg			06/20/23 15:50	50

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-29685-6
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 02:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 02:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 02:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/19/23 13:31	06/20/23 02:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/19/23 13:31	06/20/23 02:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/19/23 13:31	06/20/23 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:21*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:21*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Client Sample ID: H-6 (0-1')

Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

Lab Sample ID: 880-29685-6
Matrix: Solid

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			06/20/23 12:15	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			06/20/23 10:35	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		06/19/23 12:53	06/20/23 00:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/20/23 00:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/19/23 12:53	06/20/23 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:35*	*1*
o-Terphenyl	*109*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15500**		248		mg/Kg			06/20/23 16:07	50

Client Sample ID: H-7 (0-1')

Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

Lab Sample ID: 880-29685-7
Matrix: Solid

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		06/19/23 13:31	06/20/23 02:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 02:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 02:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/19/23 13:31	06/20/23 02:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 02:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/19/23 13:31	06/20/23 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:42*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*06/19/23 13:31*	*06/20/23 02:42*	*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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/23 10:35	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		06/19/23 12:53	06/20/23 00:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/20/23 00:57	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-29685-7
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/20/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:57*	*1*
o-Terphenyl	*102*		*70 - 130*	*06/19/23 12:53*	*06/20/23 00:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1840**		50.2		mg/Kg			06/20/23 16:13	10

Client Sample ID: H-8 (0-1')

Lab Sample ID: 880-29685-8
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 03:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/19/23 13:31	06/20/23 03:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:02	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/19/23 13:31	06/20/23 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:02*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:02*	*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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/23 10:51	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		06/19/23 12:53	06/19/23 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 20:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/19/23 12:53*	*06/19/23 20:27*	*1*
o-Terphenyl	*123*		*70 - 130*	*06/19/23 12:53*	*06/19/23 20:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17600**		251		mg/Kg			06/21/23 09:00	50

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Client Sample ID: H-9 (0-1')

Lab Sample ID: 880-29685-9
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 03:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:22	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/19/23 13:31	06/20/23 03:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 03:22	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/19/23 13:31	06/20/23 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:22*	*1*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:22*	*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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/20/23 16:16	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		06/19/23 13:00	06/19/23 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/19/23 13:00	06/19/23 20:18	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 13:00	06/19/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*06/19/23 13:00*	*06/19/23 20:18*	*1*
o-Terphenyl	*105*		*70 - 130*	*06/19/23 13:00*	*06/19/23 20:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40600**		249		mg/Kg			06/21/23 09:06	50

Client Sample ID: H-10 (0-1')

Lab Sample ID: 880-29685-10
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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		06/19/23 13:31	06/20/23 03:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 03:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 03:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/19/23 13:31	06/20/23 03:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/19/23 13:31	06/20/23 03:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/19/23 13:31	06/20/23 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:43*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*06/19/23 13:31*	*06/20/23 03:43*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Client Sample ID: H-10 (0-1')

Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

Lab Sample ID: 880-29685-10

Matrix: Solid

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			06/20/23 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**76.5**		49.9		mg/Kg			06/21/23 14:00	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	<49.9	U	49.9		mg/Kg		06/20/23 08:15	06/21/23 08:50	1
Diesel Range Organics (Over C10-C28)	**76.5**		49.9		mg/Kg		06/20/23 08:15	06/21/23 08:50	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/20/23 08:15	06/21/23 08:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*06/20/23 08:15*	*06/21/23 08:50*	*1*
o-Terphenyl	*107*		*70 - 130*	*06/20/23 08:15*	*06/21/23 08:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**46700**		252		mg/Kg			06/20/23 16:31	50

Surrogate Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
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)
880-29685-1	H-1 (0-1')	72	101
880-29685-1 MS	H-1 (0-1')	106	111
880-29685-1 MSD	H-1 (0-1')	107	113
880-29685-2	H-2 (0-1')	85	82
880-29685-3	H-3 (0-1')	88	82
880-29685-4	H-4 (0-1')	88	80
880-29685-5	H-5 (0-1')	87	78
880-29685-6	H-6 (0-1')	92	77
880-29685-7	H-7 (0-1')	92	77
880-29685-8	H-8 (0-1')	85	74
880-29685-9	H-9 (0-1')	86	74
880-29685-10	H-10 (0-1')	83	75
LCS 880-55836/1-A	Lab Control Sample	96	107
LCSD 880-55836/2-A	Lab Control Sample Dup	105	110
MB 880-55739/5-A	Method Blank	65 S1-	101
MB 880-55836/5-A	Method Blank	69 S1-	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-29650-A-97-C MS	Matrix Spike	94	91
880-29650-A-97-D MSD	Matrix Spike Duplicate	92	89
880-29684-A-1-E MS	Matrix Spike	139 S1+	105
880-29684-A-1-F MSD	Matrix Spike Duplicate	138 S1+	105
880-29685-1	H-1 (0-1')	134 S1+	120
880-29685-2	H-2 (0-1')	137 S1+	121
880-29685-3	H-3 (0-1')	157 S1+	143 S1+
880-29685-4	H-4 (0-1')	110	95
880-29685-5	H-5 (0-1')	127	111
880-29685-6	H-6 (0-1')	129	109
880-29685-7	H-7 (0-1')	121	102
880-29685-8	H-8 (0-1')	105	123
880-29685-9	H-9 (0-1')	96	105
880-29685-10	H-10 (0-1')	97	107
890-4831-A-1-C MS	Matrix Spike	92	95
890-4831-A-1-D MSD	Matrix Spike Duplicate	105	103
LCS 880-55784/2-A	Lab Control Sample	84	95
LCS 880-55834/2-A	Lab Control Sample	128	107
LCS 880-55882/2-A	Lab Control Sample	95	121
LCSD 880-55784/3-A	Lab Control Sample Dup	78	81
LCSD 880-55834/3-A	Lab Control Sample Dup	120	100
LCSD 880-55882/3-A	Lab Control Sample Dup	82	102
MB 880-55784/1-A	Method Blank	93	103

Surrogate Summary

Client: Carmona Resources Job ID: 880-29685-1
Project/Site: Screech Owl Flowline Relase SDG: Eddy County, New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
MB 880-55834/1-A	Method Blank	148 S1+	128								
MB 880-55882/1-A	Method Blank	116	138 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55739/5-A
Matrix: Solid
Analysis Batch: 55778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/16/23 17:19	06/19/23 13:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/16/23 17:19	06/19/23 13:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/16/23 17:19	06/19/23 13:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/16/23 17:19	06/19/23 13:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/16/23 17:19	06/19/23 13:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/16/23 17:19	06/19/23 13:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*06/16/23 17:19*	*06/19/23 13:33*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*06/16/23 17:19*	*06/19/23 13:33*	*1*

Lab Sample ID: MB 880-55836/5-A
Matrix: Solid
Analysis Batch: 55778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 00:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 00:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 00:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/19/23 13:31	06/20/23 00:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/19/23 13:31	06/20/23 00:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/19/23 13:31	06/20/23 00:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*06/19/23 13:31*	*06/20/23 00:17*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*06/19/23 13:31*	*06/20/23 00:17*	*1*

Lab Sample ID: LCS 880-55836/1-A
Matrix: Solid
Analysis Batch: 55778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1199		mg/Kg		120	70 - 130
Toluene	0.100	0.1083		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2186		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-55836/2-A
Matrix: Solid
Analysis Batch: 55778

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1085		mg/Kg		109	70 - 130	10	35

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-55836/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55778 — **Prep Batch: 55836**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09734		mg/Kg		97	70 - 130	11	35
Ethylbenzene			0.100	0.09681		mg/Kg		97	70 - 130	11	35
m-Xylene & p-Xylene			0.200	0.1973		mg/Kg		99	70 - 130	10	35
o-Xylene			0.100	0.09716		mg/Kg		97	70 - 130	8	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 880-29685-1 MS — **Client Sample ID: H-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55778 — **Prep Batch: 55836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09992		mg/Kg		99	70 - 130
Toluene	<0.00199	U	0.101	0.08691		mg/Kg		86	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.08603		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1732		mg/Kg		86	70 - 130
o-Xylene	<0.00199	U	0.101	0.08455		mg/Kg		84	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*

Lab Sample ID: 880-29685-1 MSD — **Client Sample ID: H-1 (0-1')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55778 — **Prep Batch: 55836**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09918		mg/Kg		99	70 - 130	1	35
Toluene	<0.00199	U	0.100	0.08542		mg/Kg		85	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.100	0.08758		mg/Kg		87	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1756		mg/Kg		88	70 - 130	1	35
o-Xylene	<0.00199	U	0.100	0.08521		mg/Kg		85	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

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

Lab Sample ID: MB 880-55784/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

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		06/19/23 08:00	06/19/23 08:22	1

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: MB 880-55784/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

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		06/19/23 08:00	06/19/23 08:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 08:00	06/19/23 08:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/19/23 08:00*	*06/19/23 08:22*	*1*
o-Terphenyl	*103*		*70 - 130*	*06/19/23 08:00*	*06/19/23 08:22*	*1*

Lab Sample ID: LCS 880-55784/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	856.5		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	882.6		mg/Kg		88	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*84*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: LCSD 880-55784/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	901.0		mg/Kg		90	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	944.0		mg/Kg		94	70 - 130	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*81*		*70 - 130*

Lab Sample ID: 880-29650-A-97-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	992.2		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	972.0		mg/Kg		95	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29650-A-97-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55770 — **Prep Batch: 55784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	997	963.3		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	947.5		mg/Kg		92	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*89*		*70 - 130*

Lab Sample ID: MB 880-55834/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55766 — **Prep Batch: 55834**

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		06/19/23 12:53	06/19/23 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 20:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/19/23 12:53	06/19/23 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*148*	*S1+*	*70 - 130*	*06/19/23 12:53*	*06/19/23 20:27*	*1*
o-Terphenyl	*128*		*70 - 130*	*06/19/23 12:53*	*06/19/23 20:27*	*1*

Lab Sample ID: LCS 880-55834/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55766 — **Prep Batch: 55834**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	892.3		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	969.9		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: LCSD 880-55834/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55766 — **Prep Batch: 55834**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	982.4		mg/Kg		98	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1053		mg/Kg		105	70 - 130	8	20

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCSD 880-55834/3-A
Matrix: Solid
Analysis Batch: 55766

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55834

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-29684-A-1-E MS
Matrix: Solid
Analysis Batch: 55766

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 55834

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1274		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	1167		mg/Kg		117	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	139	S1+	70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-29684-A-1-F MSD
Matrix: Solid
Analysis Batch: 55766

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55834

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	1183		mg/Kg		116	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1178		mg/Kg		118	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: MB 880-55882/1-A
Matrix: Solid
Analysis Batch: 55879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55882

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		06/20/23 08:15	06/20/23 08:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/20/23 08:15	06/20/23 08:20	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/20/23 08:15	06/20/23 08:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130	06/20/23 08:15	06/20/23 08:20	1
o-Terphenyl	138	S1+	70 - 130	06/20/23 08:15	06/20/23 08:20	1

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-55882/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55879 — **Prep Batch: 55882**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	971.6		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	944.2		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*70 - 130*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: LCSD 880-55882/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55879 — **Prep Batch: 55882**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	901.9		mg/Kg		90	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	852.1		mg/Kg		85	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-4831-A-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55879 — **Prep Batch: 55882**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	998	980.4		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	282	F1	998	792.4	F1	mg/Kg		51	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 890-4831-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55879 — **Prep Batch: 55882**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	997	1208	F2	mg/Kg		119	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	282	F1	997	882.8	F1	mg/Kg		60	70 - 130	11	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 890-4831-A-1-D MSD
Matrix: Solid
Analysis Batch: 55879

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 55882

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-55828/1-A
Matrix: Solid
Analysis Batch: 55926

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			06/20/23 14:57	1

Lab Sample ID: LCS 880-55828/2-A
Matrix: Solid
Analysis Batch: 55926

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	245.3		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-55828/3-A
Matrix: Solid
Analysis Batch: 55926

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	246.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-29685-1 MS
Matrix: Solid
Analysis Batch: 55926

Client Sample ID: H-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	29500		12500	41770		mg/Kg		98	90 - 110		

Lab Sample ID: 880-29685-1 MSD
Matrix: Solid
Analysis Batch: 55926

Client Sample ID: H-1 (0-1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	29500		12500	41850		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

GC VOA

Prep Batch: 55739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-55739/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 55778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	8021B	55836
880-29685-2	H-2 (0-1')	Total/NA	Solid	8021B	55836
880-29685-3	H-3 (0-1')	Total/NA	Solid	8021B	55836
880-29685-4	H-4 (0-1')	Total/NA	Solid	8021B	55836
880-29685-5	H-5 (0-1')	Total/NA	Solid	8021B	55836
880-29685-6	H-6 (0-1')	Total/NA	Solid	8021B	55836
880-29685-7	H-7 (0-1')	Total/NA	Solid	8021B	55836
880-29685-8	H-8 (0-1')	Total/NA	Solid	8021B	55836
880-29685-9	H-9 (0-1')	Total/NA	Solid	8021B	55836
880-29685-10	H-10 (0-1')	Total/NA	Solid	8021B	55836
MB 880-55739/5-A	Method Blank	Total/NA	Solid	8021B	55739
MB 880-55836/5-A	Method Blank	Total/NA	Solid	8021B	55836
LCS 880-55836/1-A	Lab Control Sample	Total/NA	Solid	8021B	55836
LCSD 880-55836/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55836
880-29685-1 MS	H-1 (0-1')	Total/NA	Solid	8021B	55836
880-29685-1 MSD	H-1 (0-1')	Total/NA	Solid	8021B	55836

Prep Batch: 55836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	5035	
880-29685-2	H-2 (0-1')	Total/NA	Solid	5035	
880-29685-3	H-3 (0-1')	Total/NA	Solid	5035	
880-29685-4	H-4 (0-1')	Total/NA	Solid	5035	
880-29685-5	H-5 (0-1')	Total/NA	Solid	5035	
880-29685-6	H-6 (0-1')	Total/NA	Solid	5035	
880-29685-7	H-7 (0-1')	Total/NA	Solid	5035	
880-29685-8	H-8 (0-1')	Total/NA	Solid	5035	
880-29685-9	H-9 (0-1')	Total/NA	Solid	5035	
880-29685-10	H-10 (0-1')	Total/NA	Solid	5035	
MB 880-55836/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55836/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55836/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-29685-1 MS	H-1 (0-1')	Total/NA	Solid	5035	
880-29685-1 MSD	H-1 (0-1')	Total/NA	Solid	5035	

Analysis Batch: 55924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-2	H-2 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-3	H-3 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-4	H-4 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-5	H-5 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-6	H-6 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-7	H-7 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-8	H-8 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-9	H-9 (0-1')	Total/NA	Solid	Total BTEX	
880-29685-10	H-10 (0-1')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 55766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-2	H-2 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-3	H-3 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-4	H-4 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-5	H-5 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-6	H-6 (0-1')	Total/NA	Solid	8015B NM	55834
880-29685-7	H-7 (0-1')	Total/NA	Solid	8015B NM	55834
MB 880-55834/1-A	Method Blank	Total/NA	Solid	8015B NM	55834
LCS 880-55834/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55834
LCSD 880-55834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55834
880-29684-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	55834
880-29684-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55834

Analysis Batch: 55768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-8	H-8 (0-1')	Total/NA	Solid	8015B NM	55834

Analysis Batch: 55770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-9	H-9 (0-1')	Total/NA	Solid	8015B NM	55784
MB 880-55784/1-A	Method Blank	Total/NA	Solid	8015B NM	55784
LCS 880-55784/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55784
LCSD 880-55784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55784
880-29650-A-97-C MS	Matrix Spike	Total/NA	Solid	8015B NM	55784
880-29650-A-97-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55784

Prep Batch: 55784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-9	H-9 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-55784/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55784/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55784/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29650-A-97-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29650-A-97-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 55834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-2	H-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-3	H-3 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-4	H-4 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-5	H-5 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-6	H-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-7	H-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-29685-8	H-8 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-55834/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55834/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55834/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-29684-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-29684-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

GC Semi VOA

Analysis Batch: 55879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-10	H-10 (0-1')	Total/NA	Solid	8015B NM	55882
MB 880-55882/1-A	Method Blank	Total/NA	Solid	8015B NM	55882
LCS 880-55882/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55882
LCSD 880-55882/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55882
890-4831-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	55882
890-4831-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	55882

Prep Batch: 55882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-10	H-10 (0-1')	Total/NA	Solid	8015NM Prep	
MB 880-55882/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-55882/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-55882/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4831-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4831-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 55912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Total/NA	Solid	8015 NM	
880-29685-2	H-2 (0-1')	Total/NA	Solid	8015 NM	
880-29685-3	H-3 (0-1')	Total/NA	Solid	8015 NM	
880-29685-4	H-4 (0-1')	Total/NA	Solid	8015 NM	
880-29685-5	H-5 (0-1')	Total/NA	Solid	8015 NM	
880-29685-6	H-6 (0-1')	Total/NA	Solid	8015 NM	
880-29685-7	H-7 (0-1')	Total/NA	Solid	8015 NM	
880-29685-8	H-8 (0-1')	Total/NA	Solid	8015 NM	
880-29685-9	H-9 (0-1')	Total/NA	Solid	8015 NM	
880-29685-10	H-10 (0-1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 55828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Soluble	Solid	DI Leach	
880-29685-2	H-2 (0-1')	Soluble	Solid	DI Leach	
880-29685-3	H-3 (0-1')	Soluble	Solid	DI Leach	
880-29685-4	H-4 (0-1')	Soluble	Solid	DI Leach	
880-29685-5	H-5 (0-1')	Soluble	Solid	DI Leach	
880-29685-6	H-6 (0-1')	Soluble	Solid	DI Leach	
880-29685-7	H-7 (0-1')	Soluble	Solid	DI Leach	
880-29685-8	H-8 (0-1')	Soluble	Solid	DI Leach	
880-29685-9	H-9 (0-1')	Soluble	Solid	DI Leach	
880-29685-10	H-10 (0-1')	Soluble	Solid	DI Leach	
MB 880-55828/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-55828/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-55828/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29685-1 MS	H-1 (0-1')	Soluble	Solid	DI Leach	
880-29685-1 MSD	H-1 (0-1')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

HPLC/IC

Analysis Batch: 55926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29685-1	H-1 (0-1')	Soluble	Solid	300.0	55828
880-29685-2	H-2 (0-1')	Soluble	Solid	300.0	55828
880-29685-3	H-3 (0-1')	Soluble	Solid	300.0	55828
880-29685-4	H-4 (0-1')	Soluble	Solid	300.0	55828
880-29685-5	H-5 (0-1')	Soluble	Solid	300.0	55828
880-29685-6	H-6 (0-1')	Soluble	Solid	300.0	55828
880-29685-7	H-7 (0-1')	Soluble	Solid	300.0	55828
880-29685-8	H-8 (0-1')	Soluble	Solid	300.0	55828
880-29685-9	H-9 (0-1')	Soluble	Solid	300.0	55828
880-29685-10	H-10 (0-1')	Soluble	Solid	300.0	55828
MB 880-55828/1-A	Method Blank	Soluble	Solid	300.0	55828
LCS 880-55828/2-A	Lab Control Sample	Soluble	Solid	300.0	55828
LCSD 880-55828/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	55828
880-29685-1 MS	H-1 (0-1')	Soluble	Solid	300.0	55828
880-29685-1 MSD	H-1 (0-1')	Soluble	Solid	300.0	55828

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29685-1
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 00:38	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/19/23 22:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 15:15	CH	EET MID

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

Lab Sample ID: 880-29685-2
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 00:59	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/19/23 23:07	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 15:32	CH	EET MID

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

Lab Sample ID: 880-29685-3
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 01:20	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/19/23 23:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 15:38	CH	EET MID

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

Lab Sample ID: 880-29685-4
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 01:40	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 880-29685-4
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/19/23 23:51	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		10	10 mL	10 mL	55926	06/20/23 15:44	CH	EET MID

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

Lab Sample ID: 880-29685-5
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 02:01	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/20/23 00:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 15:50	CH	EET MID

Client Sample ID: H-6 (0-1')

Lab Sample ID: 880-29685-6
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 02:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/20/23 00:35	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 16:07	CH	EET MID

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-29685-7
Matrix: Solid
Date Collected: 06/16/23 00:00
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 02:42	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55766	06/20/23 00:57	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Client Sample ID: H-7 (0-1')

Lab Sample ID: 880-29685-7
Date Collected: 06/16/23 00:00
Matrix: Solid
Date Received: 06/19/23 10:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		10	10 mL	10 mL	55926	06/20/23 16:13	CH	EET MID

Client Sample ID: H-8 (0-1')

Lab Sample ID: 880-29685-8
Date Collected: 06/16/23 00:00
Matrix: Solid
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 03:02	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 10:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55834	06/19/23 12:53	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55768	06/19/23 20:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/21/23 09:00	CH	EET MID

Client Sample ID: H-9 (0-1')

Lab Sample ID: 880-29685-9
Date Collected: 06/16/23 00:00
Matrix: Solid
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 03:22	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/20/23 16:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55784	06/19/23 13:00	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55770	06/19/23 20:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/21/23 09:06	CH	EET MID

Client Sample ID: H-10 (0-1')

Lab Sample ID: 880-29685-10
Date Collected: 06/16/23 00:00
Matrix: Solid
Date Received: 06/19/23 10:55

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	55836	06/19/23 13:31	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55778	06/20/23 03:43	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			55924	06/20/23 12:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			55912	06/21/23 14:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55882	06/20/23 08:15	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55879	06/21/23 08:50	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	55828	06/19/23 11:15	CH	EET MID
Soluble	Analysis	300.0		50	10 mL	10 mL	55926	06/20/23 16:31	CH	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

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: Screech Owl Flowline Relase

Job ID: 880-29685-1
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	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Screech Owl Flowline Relase

Job ID: 880-29685-1
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: Screech Owl Flowline Relase

Job ID: 880-29685-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-29685-1	H-1 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-2	H-2 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-3	H-3 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-4	H-4 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-5	H-5 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-6	H-6 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-7	H-7 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-8	H-8 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-9	H-9 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55
880-29685-10	H-10 (0-1')	Solid	06/16/23 00:00	06/19/23 10:55

Chain of Custody

Work Order No: 29685

6/21/2023

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables EDD ☐ ADaPT ☐ Other:

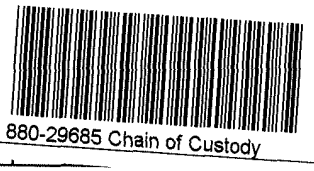
Project Name.	Screech Owl Flowline Release	Turn Around	
Project Number	2061	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date	72 Hrs
Sampler's Name.	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	-0.3
Sample Custody Seals	Yes No N/A	Temperature Reading	0.3
Total Containers		Corrected Temperature	0.0

Preservative Codes

None NO; DI Water H_2O; Cool Cool; MeOH Me; HCL HC; HNO_3 HN; H_2S0_4 H_2; NaOH Na; H_3PO_4 HP; $NaHSO_4$ NABIS; $Na_2S_2O_3$ $NaSO_3$; Zn Acetate+NaOH Zn; NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300 0	Sample Comments
H-1 (0-1')	6/16/2023		X		G	1		X	X	X	4oz
H-2 (0-1')	6/16/2023		X		G	1		X	X	X	
H-3 (0-1')	6/16/2023		X		G	1		X	X	X	
H-4 (0-1')	6/16/2023		X		G	1		X	X	X	
H-5 (0-1')	6/16/2023		X		G	1		X	X	X	
H-6 (0-1')	6/16/2023		X		G	1		X	X	X	
H-7 (0-1')	6/16/2023		X		G	1		X	X	X	
H-8 (0-1')	6/16/2023		X		G	1		X	X	X	
H-9 (0-1')	6/16/2023		X		G	1		X	X	X	
H-10 (0-1')	6/16/2023		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
Ariana Urias	6-19-23 10:55		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-29685-1
SDG Number: Eddy County, New Mexico

Login Number: 29685
List Number: 1
Creator: Teel, Brianna

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	

CARDINAL Laboratories

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

September 11, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SCREECH OWL FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/08/23 12:45.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-1 (0.0.5') (H234874-01)

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	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	09/11/2023	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	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *73.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-2 (0.0.5') (H234874-02)

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	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**368**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *76.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-3 (0.0.5') (H234874-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *77.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-4 (0.0.5') (H234874-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *78.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-5 (0.0.5') (H234874-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *79.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-6 (0.0.5') (H234874-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	**13.9**	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *75.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-7 (0.0.5') (H234874-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *73.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-8 (0.0.5') (H234874-08)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**400**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *76.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-9 (0.0.5') (H234874-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	**17.5**	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *73.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *82.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: H-10 (0.0.5') (H234874-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**336**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *81.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234874

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Screech Owl Flowline Release	Turn Around	
Project Number:	2061	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.2c
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
1	H-1 (0-0.5')	9/8/2023		X		G	1	X	X	X	
2	H-2 (0-0.5')	9/8/2023		X		G	1	X	X	X	
3	H-3 (0-0.5')	9/8/2023		X		G	1	X	X	X	
4	H-4 (0-0.5')	9/8/2023		X		G	1	X	X	X	
5	H-5 (0-0.5')	9/8/2023		X		G	1	X	X	X	
6	H-6 (0-0.5')	9/8/2023		X		G	1	X	X	X	
7	H-7 (0-0.5')	9/8/2023		X		G	1	X	X	X	
8	H-8 (0-0.5')	9/8/2023		X		G	1	X	X	X	
9	H-9 (0-0.5')	9/8/2023		X		G	1	X	X	X	
10	H-10 (0-0.5')	9/8/2023		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
	9-8-23 1245		

CARDINAL Laboratories

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

September 11, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SCREECH OWL FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/08/23 12:45.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-1 (1.5') (H234875-01)

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	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**480**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *80.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-2 (1.5') (H234875-02)

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	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *77.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-3 (1.5') (H234875-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**496**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *75.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-4 (1.5') (H234875-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**544**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *83.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-5 (1.5') (H234875-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**368**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *82.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-6 (1.5') (H234875-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	**320**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *80.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-7 (1.5') (H234875-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**624**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *77.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-1 (1.5') (H234875-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	**624**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *73.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.1 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-2 (1.5') (H234875-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**320**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *76.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.8 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-3 (1.5') (H234875-10)

BTEX 8021B mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	2.08	104	2.00	0.0744	
Toluene*	<0.050	0.050	09/08/2023	ND	2.10	105	2.00	1.09	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.06	103	2.00	0.767	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	6.18	103	6.00	1.64	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *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	**368**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2023	ND	214	107	200	2.44	
DRO >C10-C28*	<10.0	10.0	09/08/2023	ND	239	119	200	3.86	
EXT DRO >C28-C36	<10.0	10.0	09/08/2023	ND					

Surrogate: 1-Chlorooctane *77.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-4 (1.5') (H234875-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**560**	16.0	09/11/2023	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *80.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *93.8 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-5 (1.5') (H234875-12)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *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	**528**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *78.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.3 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-6 (1.5') (H234875-13)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**224**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *82.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *95.4 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-7 (1.5') (H234875-14)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *114 %* *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	**448**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *91.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-8 (1.5') (H234875-15)

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	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *76.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.8 %* *49.1-148*

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CARDINAL Laboratories

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-9 (1.5') (H234875-16)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *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	**288**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *78.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

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Analytical Results For:

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

Received:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-10 (1.5') (H234875-17)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**160**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *74.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-11 (1.5') (H234875-18)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *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	**272**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *76.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/08/2023	Sampling Date:	09/08/2023
Reported:	09/11/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-12 (1.5') (H234875-19)

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	09/08/2023	ND	1.95	97.7	2.00	2.15	
Toluene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	2.88	
Ethylbenzene*	<0.050	0.050	09/08/2023	ND	2.01	101	2.00	1.50	
Total Xylenes*	<0.150	0.150	09/08/2023	ND	5.97	99.5	6.00	1.59	
Total BTEX	<0.300	0.300	09/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *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	**64.0**	16.0	09/11/2023	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	09/09/2023	ND	218	109	200	0.269	
DRO >C10-C28*	<10.0	10.0	09/09/2023	ND	224	112	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/09/2023	ND					

Surrogate: 1-Chlorooctane *76.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234875

Page 1 of 2

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 ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Screech Owl Flowline Release	Turn Around	
Project Number:	2061	☐ Routine	☑ Rush
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Received Intact:	(Yes) No	Thermometer ID:	140	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	—	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.2	
Total Containers:		Corrected Temperature:	—	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
11	CS-1 (1.5')	9/8/2023		X		C	1	X	X	X	
12	CS-2 (1.5')	9/8/2023		X		C	1	X	X	X	
13	CS-3 (1.5')	9/8/2023		X		C	1	X	X	X	
14	CS-4 (1.5')	9/8/2023		X		C	1	X	X	X	
15	CS-5 (1.5')	9/8/2023		X		C	1	X	X	X	
16	CS-6 (1.5')	9/8/2023		X		C	1	X	X	X	
17	CS-7 (1.5')	9/8/2023		X		C	1	X	X	X	
18	SW-1 (1.5')	9/8/2023		X		C	1	X	X	X	
19	SW-2 (1.5')	9/8/2023		X		C	1	X	X	X	
20	SW-3 (1.5')	9/8/2023		X		C	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
	9823 1245		

Chain of Custody

Work Order No: H234875

Page ___2___ of ___2___

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 ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Screech Owl Flowline Release	Turn Around	
Project Number:	2061	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	0
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.2
Total Containers:		Corrected Temperature:	5.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
11	SW-4 (1.5')	9/8/2023		X		C	1	X	X	X	
12	SW-5 (1.5')	9/8/2023		X		C	1	X	X	X	
13	SW-6 (1.5')	9/8/2023		X		C	1	X	X	X	
14	SW-7 (1.5')	9/8/2023		X		C	1	X	X	X	
15	SW-8 (1.5')	9/8/2023		X		C	1	X	X	X	
16	SW-9 (1.5')	9/8/2023		X		C	1	X	X	X	
17	SW-10 (1.5')	9/8/2023		X		C	1	X	X	X	
18	SW-11 (1.5')	9/8/2023		X		C	1	X	X	X	
19	SW-12 (1.5')	9/8/2023		X		C	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
	9823 1245		

CARDINAL Laboratories

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

September 12, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SCREECH OWL FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 09/11/23 15:23.

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 accreditated through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/11/2023	Sampling Date:	09/11/2023
Reported:	09/12/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS-7 (2.0') (H234904-01)

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	09/12/2023	ND	2.04	102	2.00	1.68	
Toluene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	2.27	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.00	99.8	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.98	99.7	6.00	2.94	
Total BTEX	<0.300	0.300	09/12/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	09/12/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane *86.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	09/11/2023	Sampling Date:	09/11/2023
Reported:	09/12/2023	Sampling Type:	Soil
Project Name:	SCREECH OWL FLOWLINE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	2061	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW-1 (1.5') (H234904-02)

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	09/12/2023	ND	2.04	102	2.00	1.68	
Toluene*	<0.050	0.050	09/12/2023	ND	2.05	102	2.00	2.27	
Ethylbenzene*	<0.050	0.050	09/12/2023	ND	2.00	99.8	2.00	2.39	
Total Xylenes*	<0.150	0.150	09/12/2023	ND	5.98	99.7	6.00	2.94	
Total BTEX	<0.300	0.300	09/12/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/12/2023	ND	448	112	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane *87.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H234904

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 ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Screech Owl Flowline Release	Turn Around	
Project Number:	2061	☐ Routine ☑ Rush	
Project Location	Eddy County, New Mexico	Due Date:	24 Hrs
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)	
Received Intact:	(Yes) No	Thermometer ID:		140
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:		4.7°C
Total Containers:		Corrected Temperature:		

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
CS-7 (2.0')	9/11/2023		X		C	1			X	X	X
SW-1 (1.5')	9/11/2023		X		C	1			X	X	X

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	9-11-23 / 15:23		

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

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

CONDITIONS

Action 282845

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 282845
	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 #NAPP2319139283 SCREECH OWL FEDERAL 002H, thank you. This Remediation Closure Report is approved. 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".	3/6/2024
rhamlet	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing if the back fill is coming from a rancher's pit or other local source AND/OR proof from the landfill/landfarm that their backfill is non-waste containing; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/6/2024