

CARMONA RESOURCES



SITE INFORMATION

Closure Report

Screech Owl Federal 004H (03.07.22)

Incident ID NAPP2207739235

Eddy County, New Mexico

Unit N Sec 18 T26S R27E

32.036791°, -104.231092°

Crude Oil/Produced Water Release

Point of Release: Flowline

Release Date: 03/07/2022

Volume Released: 2.781 barrels of Crude Oil, 2.781 barrels of Produced Water

Volume Recovered: 0 barrels of Crude Oil, 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 415
Midland, Texas 79701**

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

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April 19, 2022

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

Re: Closure Report
Screech Owl Federal 004H (03.07.22)
Concho Operating, LLC
Incident ID NAPP2207739235
Site Location: Unit N, S18, T26S, R27E
(Lat 32.036791°, Long -104.231092°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for Screech Owl Federal 004H (03.07.22). The site is located at 32.036791°, -104.231092° within Unit N, S18, T26S, R27E, 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 March 7, 2022, due to a hole in a surface flowline. It resulted in approximately two point seven-eight-one (2.781) barrels of crude oil and two-point seven-eight-one (2.781) barrels of produced water. Zero (0) barrels of crude oil and zero (0) barrels of produced water were recovered. See figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is located within a 0.50-mile radius of the location. The closest well is approximately 1.52 miles North 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 ground surface (ft bgs). A copy of the associated Point of Diversion Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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



4.0 Site Assessment Activities

On March 8, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of nine (9) sample points were advanced to depths ranging from the surface – 3.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

Refer to Table 1.

5.0 Remediation Activities

Carmona Resources personnel were onsite from April 4, 2022, through April 11, 2022, to supervise the remediation activities and collect confirmation samples. The areas were excavated to 2.5'-3.0' to remove all impacted soils. A total of five (5) confirmation samples were collected (CS-1 through CS-5), and six (6) sidewall samples (SW-1 through SW-6) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

The areas of CS-4 and SW-2 showed high chloride concentrations of 608 mg/kg and 1,020 mg/kg and were extended an additional 0.5' to ensure the proper removal of impacted soils. All the final confirmation samples were below the 19.15.29.12 NMAC criteria. Refer to Table 2.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 70 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 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

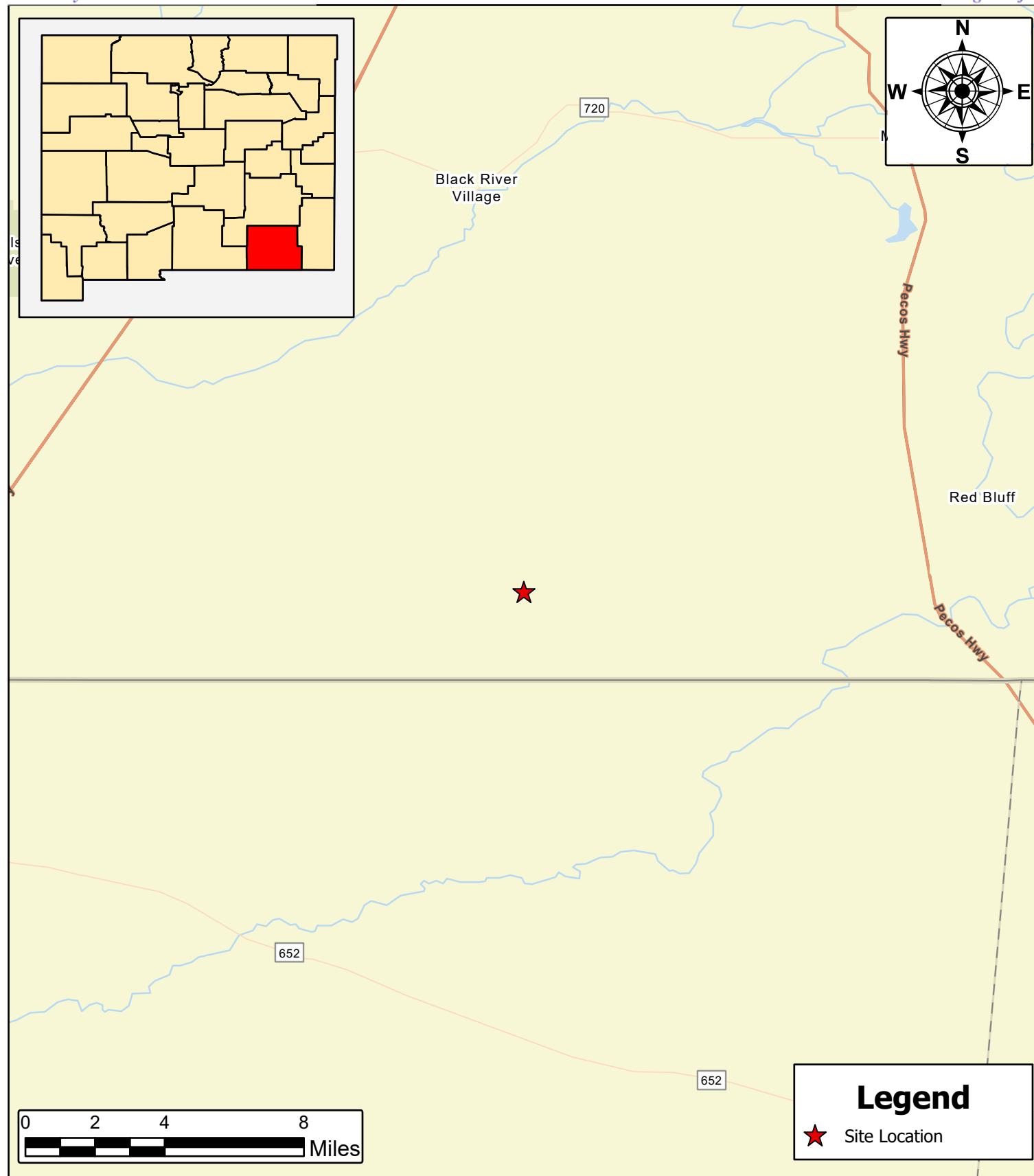
Mike Carmona
Environmental Manager

Clinton Merritt
Sr Project Manager

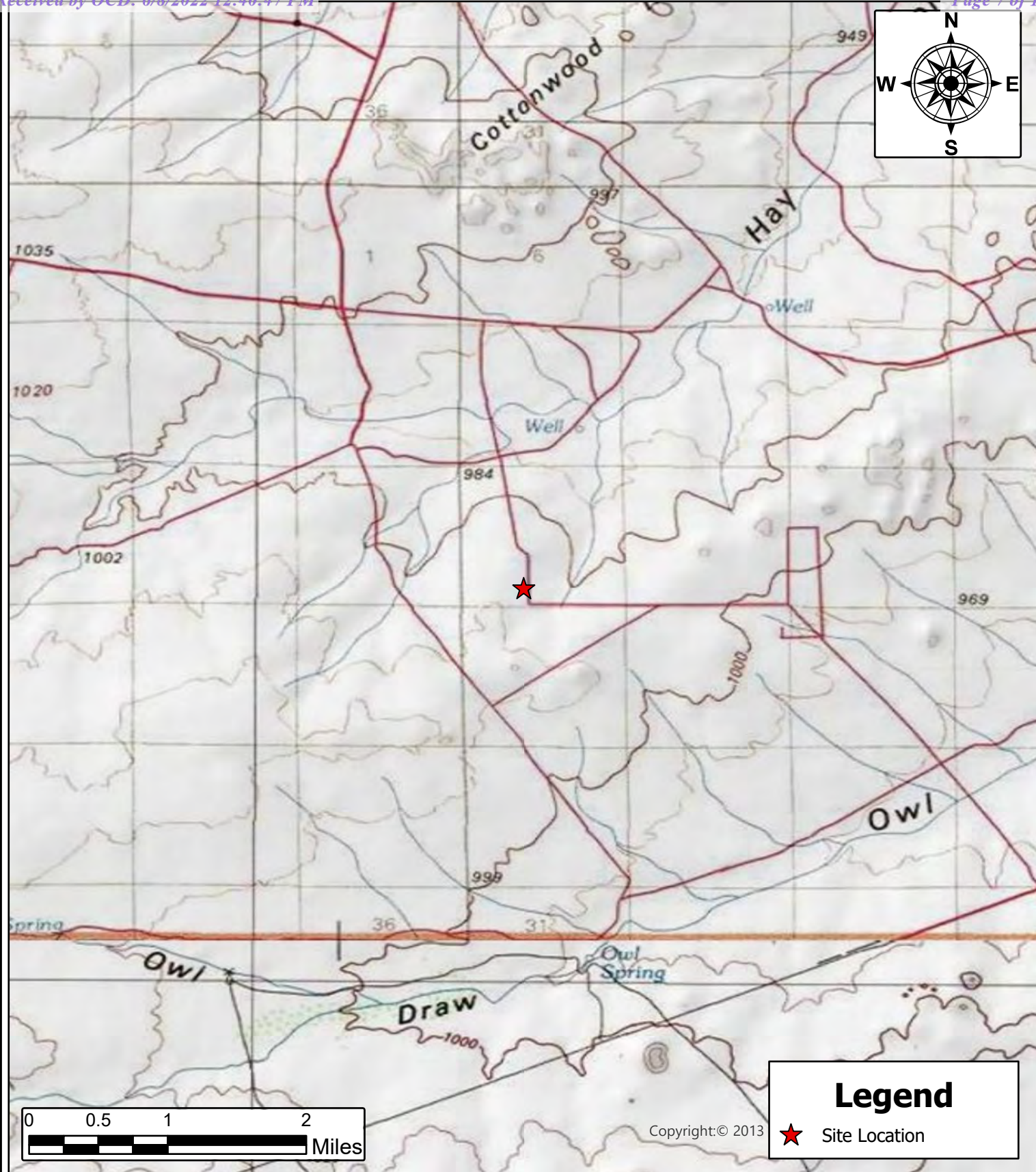
FIGURES

CARMONA RESOURCES





<p>OVERVIEW MAP COG OPERATING SCREECH OWL FEDERAL 004H (03.07.22) EDDY COUNTY, NEW MEXICO 32.036791 -104.231092</p>	<p>Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>	<p>DRAWING NUMBER: FIGURE 1</p>
<p>SCALE: As Shown</p>	<p>Date: 4/12/2022</p>		<p>SHEET NUMBER: 1 of 1</p>



TOPOGRAPHIC MAP
COG OPERATING
 SCREECH OWL FEDERAL 004H
 (03.07.22)
 EDDY COUNTY, NEW MEXICO
 32.036791 -104.231092

SCALE: As Shown

Date: 4/12/2022



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

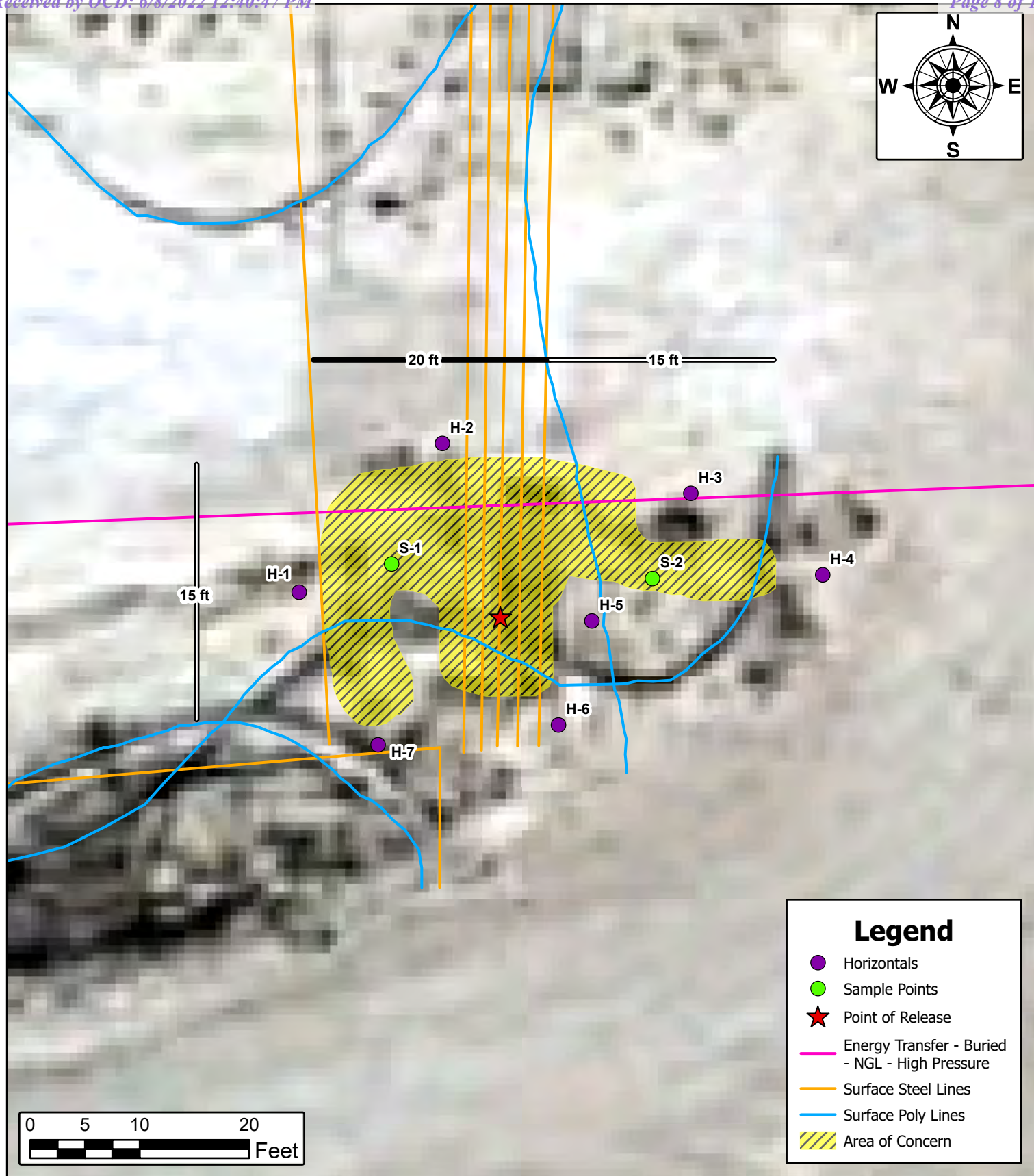
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1



SAMPLE LOCATION MAP
COG OPERATING
 SCREECH OWL FEDERAL 004H
 (03.07.22)
 EDDY COUNTY, NEW MEXICO
 32.036791 -104.231092

SCALE: As Shown

Date: 4/12/2022



Carmona Resources
 310 West Wall Street, Suite 415
 Midland, Texas 79701

NOTES:

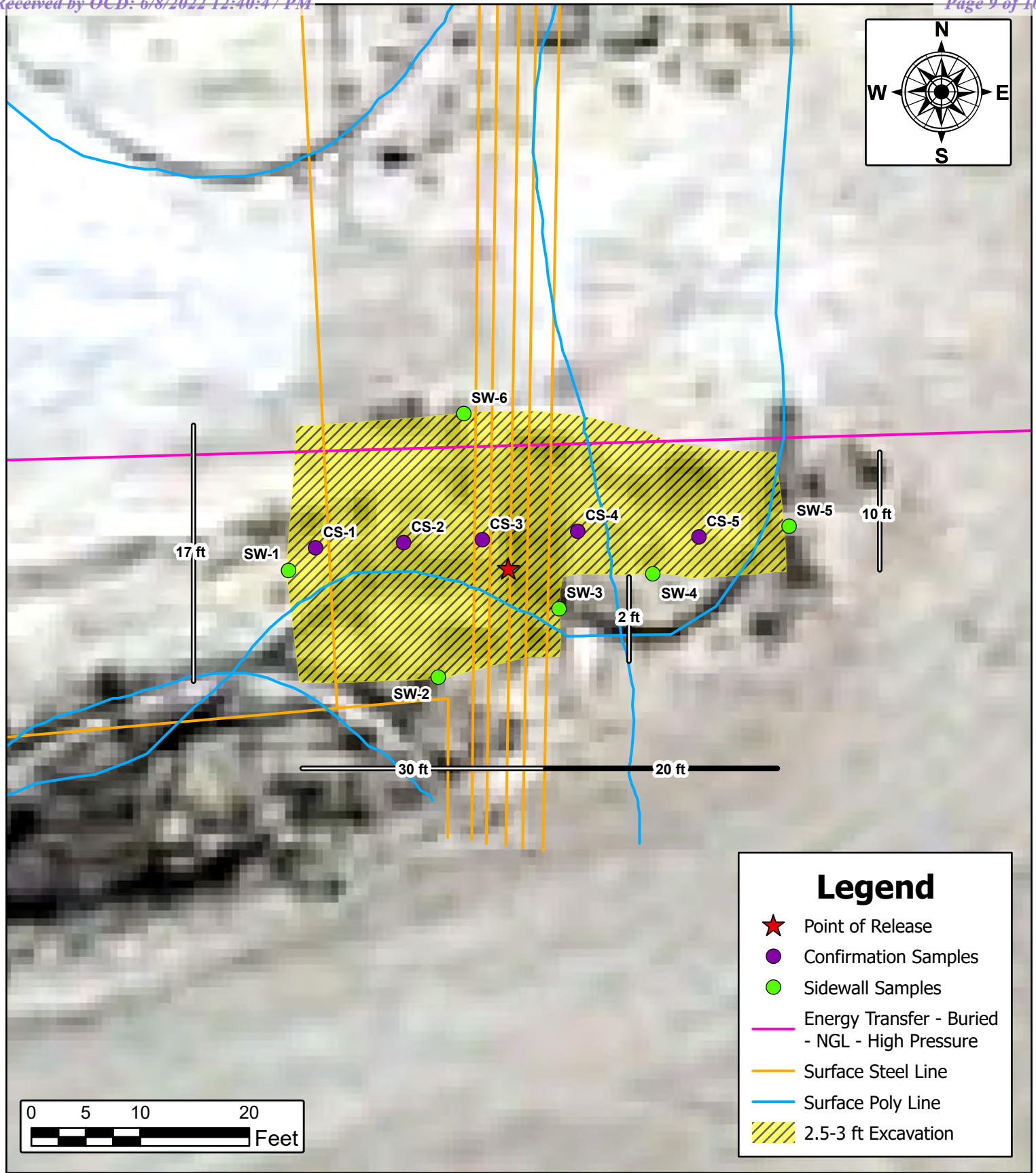
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N


DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



<p>EXCAVATION DEPTH MAP COG OPERATING SCREECH OWL FEDERAL 004H (03.07.22) EDDY COUNTY, NEW MEXICO 32.036791 -104.231092</p>	<p> Carmona Resources 310 West Wall Street, Suite 415 Midland, Texas 79701</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>	<p>DRAWING NUMBER: FIGURE 4 SHEET NUMBER: 1 of 1</p>
<p>SCALE: As Shown</p>	<p>Date: 4/12/2022</p>		

APPENDIX A

CARMONA RESOURCES



Table 1
COG
Screech Owl Federal (03.07.22)
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			GRO	DRO	MRO	Total							
S-1	3/8/2022	0-0.5	7,490	7,810	1,360	16,700	15.2	79.3	28.0	203	326	6,040	
	"	1.0	1,390	2,190	310	3,890	1.72	23.5	10.5	66.5	102	6,960	
	"	1.5	560	1,260	197	2,020	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,050	
	"	2.5	<50.0	<50.0	<50.0	<50.0	<0.00200	0.01560	0.02490	0.24000	0.280	409	
	"	3.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	128	
S-2	3/8/2022	0-0.5	330	1,610	279	2,220	0.00235	0.0235	0.0337	0.317	0.377	8,990	
	"	1.0	305	3,020	<49.8	3,330	0.00499	0.102	0.202	11.0	11.3	14,700	
H-1	3/8/2022	0-0.5	<50.0	86.0	<50.0	86.0	<0.00201	<0.00201	<0.00201	0.0104	0.0104	2,290	
H-2	3/8/2022	0-0.5	<49.9	54.4	<49.9	54.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	47.9	
H-3	3/8/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.8	
H-4	3/8/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	59.3	
H-5	3/8/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	58.9	
H-6	3/8/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	86.6	
H-7	3/8/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	62.9	
Regulatory Criteria ^A							100 mg/kg	10 mg/kg	-	-	-	50 mg/kg	600 mg/kg

(-) Not Analyzed

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal


 Removed

Table 2
COG
Screech Owl Federal (03.07.22)
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	4/7/2022	2.5	<10.0	28.8	<10.0	28.8	<0.050	<0.050	<0.050	<0.150	<0.300	240	
CS-2	4/7/2022	2.5	<10.0	36.1	<10.0	36.1	<0.050	<0.050	<0.050	<0.150	<0.300	224	
CS-3	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544	
CS-4	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608	
	4/11/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0	
CS-5	4/7/2022	2.5	<10.0	26.5	<10.0	26.5	<0.050	<0.050	<0.050	<0.150	<0.300	240	
SW-1	4/7/2022	2.5	<10.0	46.8	<10.0	46.8	<0.050	<0.050	<0.050	<0.150	<0.300	160	
SW-2	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,020	
	4/11/2022	3.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	
SW-3	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528	
SW-4	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544	
SW-5	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	512	
SW-6	4/7/2022	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	544	
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

 Removed

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 1

Facility: Screech Owl Federal 004H
(03.07.22)

County: Eddy County, New Mexico

Description:

View Southwest of remediation activities.



Photograph No. 2

Facility: Screech Owl Federal 004H
(03.07.22)

County: Eddy County, New Mexico

Description:

View West of remediation activities.



Photograph No. 3

Facility: Screech Owl Federal 004H
(03.07.22)

County: Eddy County, New Mexico

Description:

View East of remediation activities.



PHOTOGRAPHIC LOG

Concho Operating, LLC

Photograph No. 4

Facility: Screech Owl Federal 004H
(03.07.22)

County: Eddy County, New Mexico

Description:

View Southeast of remediation activities.



Photograph No. 5

Facility: Screech Owl Federal 004H
(03.07.22)

County: Eddy County, New Mexico

Description:

View Southwest of remediation activities.



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)


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

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name _____	Title: _____
Signature: <u></u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/18/2022</u>

L48 Spill Volume Estimate Form

NAPP2207739235

Received by OCD: 6/8/2022 12:40:47 PM

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Facility Name & Number:	Screech Owl Fed 4H Well
Asset Area:	Carlsbad 2 South
Release Discovery Date & Time:	3/7/2022-7:00 A.M
Release Type:	Oil Mixture
Provide any known details about the event:	Internal Corrosion caused pinhole leak on fluid line from well to battery

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?		See reference table below							
Has it rained at least a half inch in the last 24 hours?		See reference table below							
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	170.0	4.0	2.00	15.12%	20.173	3.050	50.00%	1.525	1.525
Rectangle B	140.0	4.0	2.00	15.12%	16.613	2.512	50.00%	1.256	1.256
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Rectangle J					0.000	0.000		0.000	0.000
Total Volume Release:						5.562		2.781	2.781

Released to Imaging: 8/2/2022 4:01:07 PM

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 91294

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 91294
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/18/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Jaqui Hozio _____ Date: 6/8/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: Jacqueline Nobui Date: 6/8/2022

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: Jennifer Nobui Date: _____

Printed Name: _____ Title: _____

From: Hamlet, Robert, EMNRD
Sent: Tuesday, April 5, 2022 11:08 AM
To: Clint Merritt
Cc: Harris, Jacqui; Mike Carmona; Bratcher, Mike, EMNRD; Hensley, Chad, EMNRD; Velez, Nelson, EMNRD; Nobui, Jennifer, EMNRD
Subject: RE: [EXTERNAL] COG Screech Owl Fed 004H (03.07.22) 48 Hour Notification

Clint,

Thank you for the notification. Please 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.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Tuesday, April 5, 2022 8:05 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: Fw: [EXTERNAL] COG Screech Owl Fed 004H (03.07.22) 48 Hour Notification

From: Clint Merritt <MerrittC@carmonaresources.com>
Sent: Monday, April 4, 2022 8:34 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Harris, Jacqui <Jacqui.Harris@conocophillips.com>; Mike Carmona <Mcarmona@carmonaresources.com>
Subject: [EXTERNAL] COG Screech Owl Fed 004H (03.07.22) 48 Hour Notification

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

Good evening,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site for the at-risk remediation on Thursday 04/07/2022 at 9:00 a.m Mountain Time. Please let me know if you have any questions.

Screech Owl Fed 004H (03.07.22)
Eddy County, New Mexico
Sec 18 T26S R27E Unit N
Incident #: NAPP2207739235
32.036806, -104.231088

Clinton Merritt
310 West Wall Street, Suite 415
Midland TX, 79701
M: 432-813-9044
MerrittC@carmonaresources.com



APPENDIX D



CARMONA RESOURCES



MEDIUM KARST

COG Operating

Legend

-  MEDIUM
-  Screech Owl Federal (02.04.22)

Screech Owl Federal (02.04.22)





1 mi


Nearest Water Wells


COG Operating


Legend


 0.50 Mile Radius

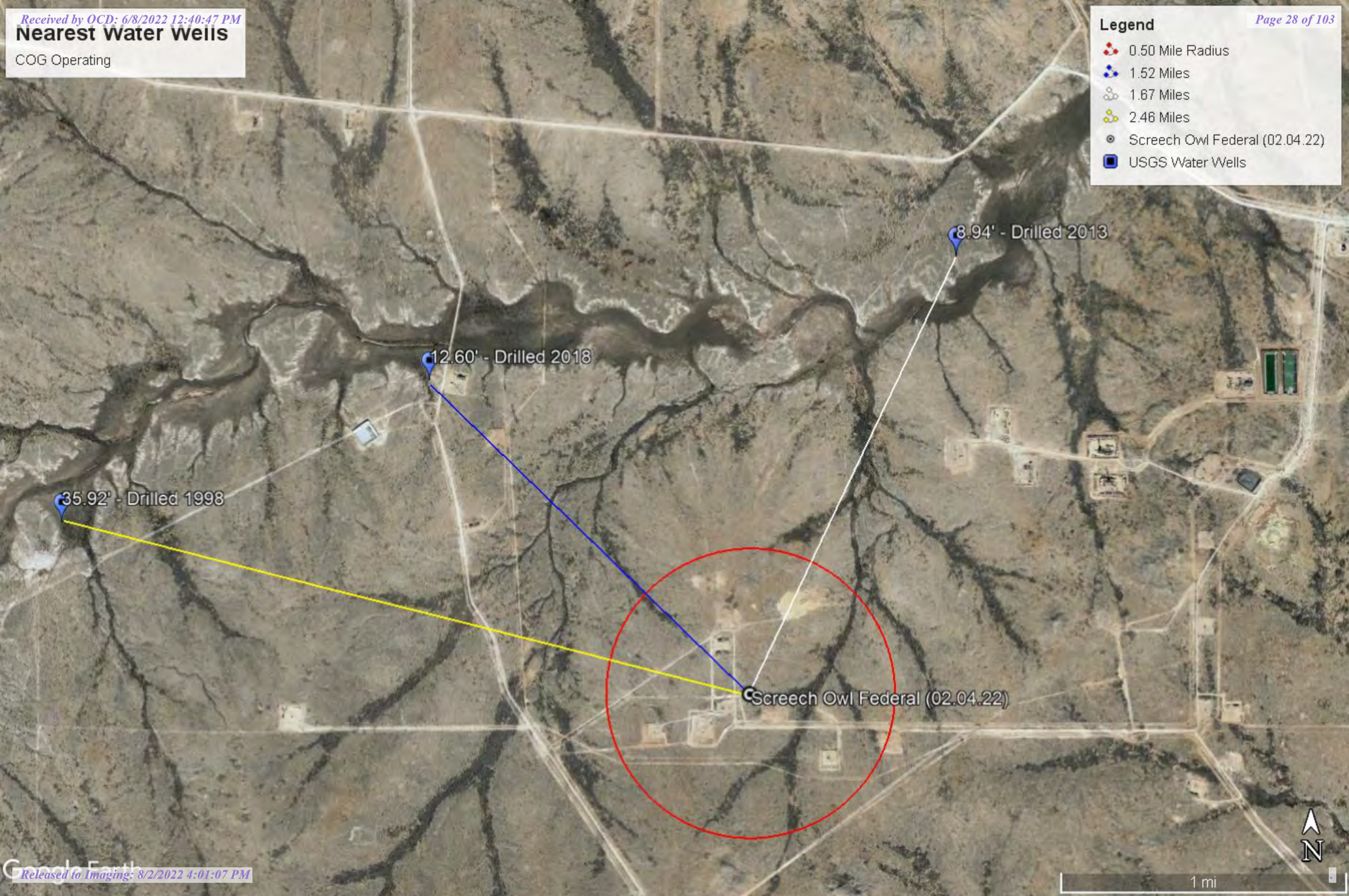
 1.52 Miles

 1.67 Miles

 2.46 Miles

 Screech Owl Federal (02.04.22)

 USGS Water Wells





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02218	CUB	ED		4	1	4	07	26S	27E	573039	3546725*	35		
C 02219	CUB	ED		4	4	4	05	26S	27E	575033	3547948*	35		
C 02474	CUB	ED		4	3	02		26S	27E	578964	3548029*	100		
C 02475	CUB	ED		2	4	13		26S	27E	581450	3545252*	100		
C 02476	CUB	ED		4	1	24		26S	27E	580653	3544032*	150		
C 02930	C	ED		2	3	4	22	26S	27E	577938	3543284*	100	50	50
C 04269 POD1	CUB	ED		4	2	3	18	26S	27E	572620	3545176	105		
C 04573 POD1	CUB	ED		3	1	1	11	26S	27E	578524	3547472	104	35	69
C 04573 POD2	CUB	ED		3	1	1	11	26S	27E	578565	3547561	104	35	69
C 04573 POD3	CUB	ED		4	1	1	11	26S	27E	578584	3547602	100	36	64

Average Depth to Water: **39 feet**

Minimum Depth: **35 feet**

Maximum Depth: **50 feet**

Record Count: 10

PLSS Search:

Township: 26S

Range: 27E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/7/22 7:37 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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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 measu
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 measu
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](#)

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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 measu
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 measu
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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Title: Groundwater for New Mexico: Water Levels

URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320343104110201&agency_cd=USGS&format=html

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0.36 0.33 nadww01





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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

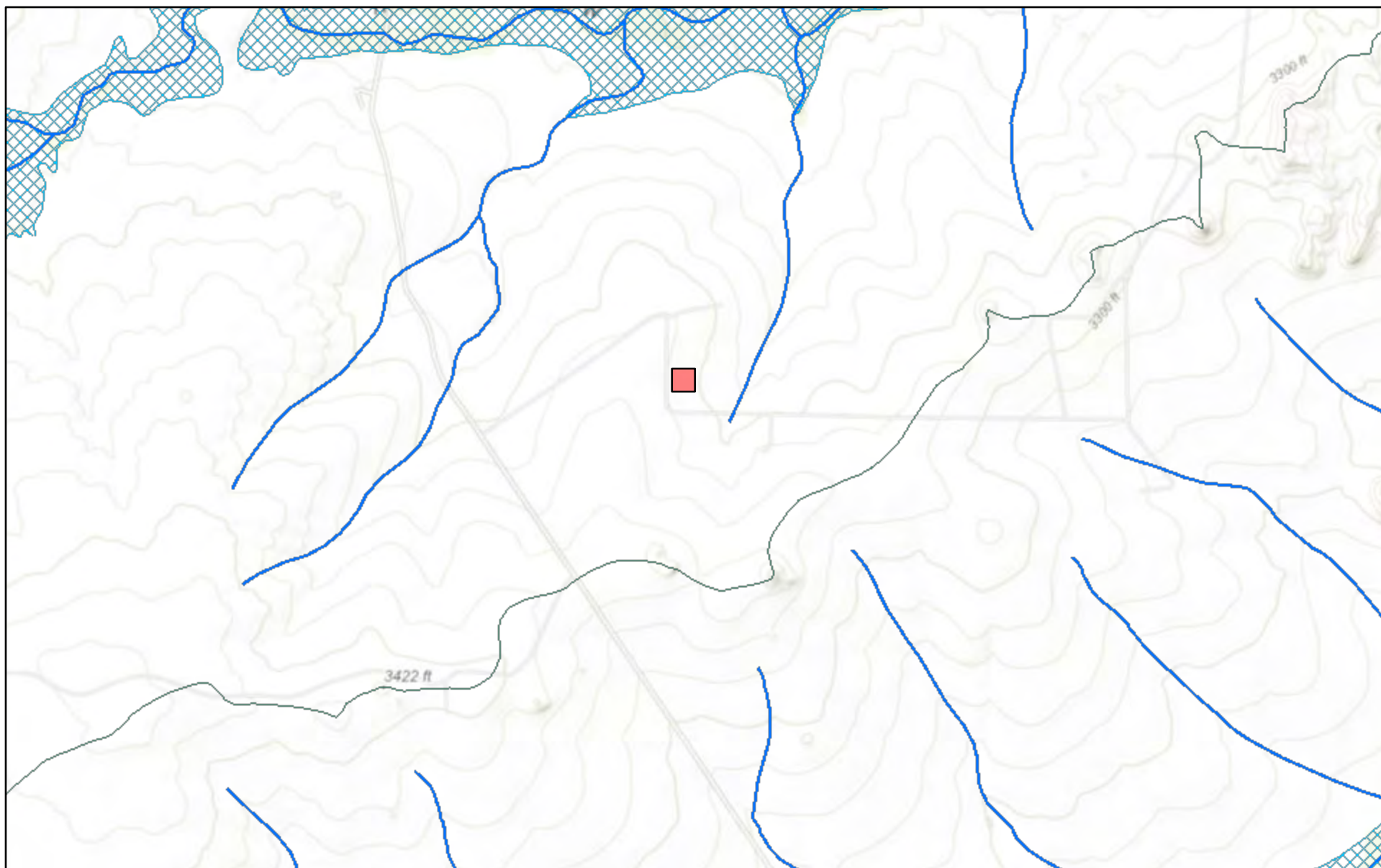
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	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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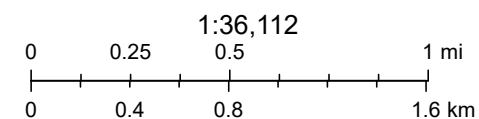
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0.33 0.3 nadww01

New Mexico NFHL Data



March 7, 2022



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

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APPENDIX E

CARMONA RESOURCES





Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-12273-1

Laboratory Sample Delivery Group: Eddy Co, NM
Client Project/Site: Screech Owl Fed (02.04.22)

For:

Carmona Resources
310 W Wall St
Ste 415
Midland, Texas 79701

Attn: Conner Moehring

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/16/2022 6:57:33 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Laboratory Job ID: 880-12273-1
SDG: Eddy Co, NM

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Job ID: 880-12273-1

Laboratory: Eurofins Midland

Narrative

**Job Narrative
880-12273-1**

Receipt

The samples were received on 3/10/2022 10:15 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

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21289 and analytical batch 880-21441 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21146 and analytical batch 880-21440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-2 (1') (880-12273-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21215 and analytical batch 880-21615 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-1 (0-0.5') (880-12273-1) at 200.0. Elevated reporting limits (RLs) are provided.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21371 and analytical batch 880-21357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (0-0.5') (880-12273-1), S-1 (1') (880-12273-2) and (LCSD 880-21371/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21325 and analytical batch 880-21446 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

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 Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-1

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	15.2		0.201		mg/Kg		03/10/22 11:12	03/12/22 21:48	100
Toluene	79.3		0.403		mg/Kg		03/14/22 16:00	03/15/22 15:31	200
Ethylbenzene	28.0		0.403		mg/Kg		03/14/22 16:00	03/15/22 15:31	200
m-Xylene & p-Xylene	155		0.806		mg/Kg		03/14/22 16:00	03/15/22 15:31	200
o-Xylene	48.3		0.403		mg/Kg		03/14/22 16:00	03/15/22 15:31	200
Xylenes, Total	203		0.806		mg/Kg		03/14/22 16:00	03/15/22 15:31	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	220	S1+	70 - 130	03/10/22 11:12	03/12/22 21:48	100
1,4-Difluorobenzene (Surr)	133	S1+	70 - 130	03/10/22 11:12	03/12/22 21:48	100

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	326		0.806		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16700		50.0		mg/Kg			03/11/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7490		50.0		mg/Kg		03/11/22 09:52	03/12/22 07:16	1
Diesel Range Organics (Over C10-C28)	7810		50.0		mg/Kg		03/11/22 09:52	03/12/22 07:16	1
Oil Range Organics (Over C28-C36)	1360		50.0		mg/Kg		03/11/22 09:52	03/12/22 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130	03/11/22 09:52	03/12/22 07:16	1
o-Terphenyl	140	S1+	70 - 130	03/11/22 09:52	03/12/22 07:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6040		24.8		mg/Kg			03/16/22 08:22	5

Client Sample ID: S-1 (1')

Lab Sample ID: 880-12273-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.72		0.200		mg/Kg		03/10/22 11:12	03/12/22 22:08	100
Toluene	23.5		0.200		mg/Kg		03/10/22 11:12	03/12/22 22:08	100
Ethylbenzene	10.5		0.200		mg/Kg		03/10/22 11:12	03/12/22 22:08	100
m-Xylene & p-Xylene	51.3		0.401		mg/Kg		03/10/22 11:12	03/12/22 22:08	100
o-Xylene	15.2		0.200		mg/Kg		03/10/22 11:12	03/12/22 22:08	100
Xylenes, Total	66.5		0.401		mg/Kg		03/10/22 11:12	03/12/22 22:08	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	233	S1+	70 - 130	03/10/22 11:12	03/12/22 22:08	100
1,4-Difluorobenzene (Surr)	111		70 - 130	03/10/22 11:12	03/12/22 22:08	100

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-12273-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	102		0.401		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3890		49.9		mg/Kg			03/11/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1390		49.9		mg/Kg		03/11/22 09:52	03/12/22 07:37	1
Diesel Range Organics (Over C10-C28)	2190		49.9		mg/Kg		03/11/22 09:52	03/12/22 07:37	1
Oil Range Organics (Over C28-C36)	310		49.9		mg/Kg		03/11/22 09:52	03/12/22 07:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				03/11/22 09:52	03/12/22 07:37	1
o-Terphenyl	117		70 - 130				03/11/22 09:52	03/12/22 07:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6960		99.0		mg/Kg			03/16/22 16:30	20

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12273-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/12/22 21:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/10/22 11:12	03/12/22 21:07	1
1,4-Difluorobenzene (Surr)	112		70 - 130				03/10/22 11:12	03/12/22 21:07	1

Method: 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			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2020		49.8		mg/Kg			03/11/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	560		49.8		mg/Kg		03/11/22 09:52	03/12/22 08:01	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12273-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1260		49.8		mg/Kg		03/11/22 09:52	03/12/22 08:01	1
Oil Range Organics (Over C28-C36)	197		49.8		mg/Kg		03/11/22 09:52	03/12/22 08:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/11/22 09:52	03/12/22 08:01	1
o-Terphenyl	99		70 - 130				03/11/22 09:52	03/12/22 08:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3050		24.8		mg/Kg			03/16/22 08:31	5

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-12273-4

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
Toluene	0.0156		0.00200		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
Ethylbenzene	0.0249		0.00200		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
m-Xylene & p-Xylene	0.172		0.00399		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
o-Xylene	0.0678		0.00200		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
Xylenes, Total	0.240		0.00399		mg/Kg		03/10/22 11:12	03/12/22 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				03/10/22 11:12	03/12/22 21:27	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/10/22 11:12	03/12/22 21:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.280		0.00399		mg/Kg			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/11/22 08:28	03/11/22 17:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 17:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/11/22 08:28	03/11/22 17:58	1
o-Terphenyl	102		70 - 130				03/11/22 08:28	03/11/22 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	409		4.98		mg/Kg			03/15/22 18:53	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-12273-5

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/10/22 11:12	03/12/22 23:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/10/22 11:12	03/12/22 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/10/22 11:12	03/12/22 23:31	1
1,4-Difluorobenzene (Surr)	113		70 - 130	03/10/22 11:12	03/12/22 23:31	1

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/11/22 08:28	03/11/22 18:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 18:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/11/22 08:28	03/11/22 18:19	1
o-Terphenyl	101		70 - 130	03/11/22 08:28	03/11/22 18:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		4.99		mg/Kg			03/15/22 19:02	1

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

Lab Sample ID: 880-12273-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00235		0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:52	1
Toluene	0.0235		0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:52	1
Ethylbenzene	0.0337		0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:52	1
m-Xylene & p-Xylene	0.222		0.00403		mg/Kg		03/10/22 11:12	03/12/22 23:52	1
o-Xylene	0.0952		0.00202		mg/Kg		03/10/22 11:12	03/12/22 23:52	1
Xylenes, Total	0.317		0.00403		mg/Kg		03/10/22 11:12	03/12/22 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	03/10/22 11:12	03/12/22 23:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/10/22 11:12	03/12/22 23:52	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.377		0.00403		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2220		49.8		mg/Kg			03/11/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	330		49.8		mg/Kg		03/11/22 08:28	03/11/22 18:41	1
Diesel Range Organics (Over C10-C28)	1610		49.8		mg/Kg		03/11/22 08:28	03/11/22 18:41	1
Oil Range Organics (Over C28-C36)	279		49.8		mg/Kg		03/11/22 08:28	03/11/22 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/11/22 08:28	03/11/22 18:41	1
o-Terphenyl	103		70 - 130				03/11/22 08:28	03/11/22 18:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8990		99.4		mg/Kg			03/16/22 16:38	20

Client Sample ID: S-2 (1')

Lab Sample ID: 880-12273-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00499		0.00200		mg/Kg		03/10/22 11:12	03/13/22 00:12	1
Toluene	0.102		0.00200		mg/Kg		03/10/22 11:12	03/13/22 00:12	1
Ethylbenzene	0.202		0.00200		mg/Kg		03/10/22 11:12	03/13/22 00:12	1
m-Xylene & p-Xylene	7.51		0.0803		mg/Kg		03/13/22 12:58	03/14/22 01:46	20
o-Xylene	3.47		0.0402		mg/Kg		03/13/22 12:58	03/14/22 01:46	20
Xylenes, Total	11.0		0.0803		mg/Kg		03/13/22 12:58	03/14/22 01:46	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	264	S1+	70 - 130				03/10/22 11:12	03/13/22 00:12	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/10/22 11:12	03/13/22 00:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	11.3		0.0803		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3330		49.8		mg/Kg			03/11/22 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	305		49.8		mg/Kg		03/10/22 14:00	03/11/22 02:43	1

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-12273-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	3020		49.8		mg/Kg		03/10/22 14:00	03/11/22 02:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 14:00	03/11/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				03/10/22 14:00	03/11/22 02:43	1
o-Terphenyl	116		70 - 130				03/10/22 14:00	03/11/22 02:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14700		99.2		mg/Kg			03/16/22 08:57	20

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

Lab Sample ID: 880-12273-8

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
m-Xylene & p-Xylene	0.00728		0.00402		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
o-Xylene	0.00311		0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
Xylenes, Total	0.0104		0.00402		mg/Kg		03/10/22 11:12	03/13/22 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				03/10/22 11:12	03/13/22 00:32	1
1,4-Difluorobenzene (Surr)	103		70 - 130				03/10/22 11:12	03/13/22 00:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0104		0.00402		mg/Kg			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	86.0		50.0		mg/Kg			03/11/22 10:24	1

Method: 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		03/10/22 14:00	03/11/22 03:05	1
Diesel Range Organics (Over C10-C28)	86.0		50.0		mg/Kg		03/10/22 14:00	03/11/22 03:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:00	03/11/22 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/10/22 14:00	03/11/22 03:05	1
o-Terphenyl	99		70 - 130				03/10/22 14:00	03/11/22 03:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2290		25.0		mg/Kg			03/16/22 16:47	5

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-9

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/10/22 11:12	03/13/22 00:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/10/22 11:12	03/13/22 00:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/10/22 11:12	03/13/22 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/10/22 11:12	03/13/22 00:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/10/22 11:12	03/13/22 00:53	1

Method: 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			03/14/22 14:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	54.4		49.9		mg/Kg			03/11/22 10:24	1

Method: 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		03/10/22 14:00	03/11/22 03:27	1
Diesel Range Organics (Over C10-C28)	54.4		49.9		mg/Kg		03/10/22 14:00	03/11/22 03:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:00	03/11/22 03:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	03/10/22 14:00	03/11/22 03:27	1
o-Terphenyl	111		70 - 130	03/10/22 14:00	03/11/22 03:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		4.95		mg/Kg			03/16/22 12:04	1

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

Lab Sample ID: 880-12273-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 01:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 01:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 01:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/13/22 01:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 01:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/13/22 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/10/22 11:12	03/13/22 01:13	1
1,4-Difluorobenzene (Surr)	109		70 - 130	03/10/22 11:12	03/13/22 01:13	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/10/22 14:00	03/11/22 03:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/10/22 14:00	03/11/22 03:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/10/22 14:00	03/11/22 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/10/22 14:00	03/11/22 03:48	1
o-Terphenyl	109		70 - 130				03/10/22 14:00	03/11/22 03:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.8		4.97		mg/Kg			03/16/22 12:31	1

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

Lab Sample ID: 880-12273-11

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/10/22 11:12	03/13/22 01:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/10/22 11:12	03/13/22 01:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130				03/10/22 11:12	03/13/22 01:34	1

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/10/22 14:00	03/11/22 04:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 14:00	03/11/22 04:10	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-11

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:00	03/11/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				03/10/22 14:00	03/11/22 04:10	1
o-Terphenyl	107		70 - 130				03/10/22 14:00	03/11/22 04:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.3		4.98		mg/Kg			03/16/22 12:39	1

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

Lab Sample ID: 880-12273-12

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/10/22 11:12	03/13/22 01:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/10/22 11:12	03/13/22 01:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130				03/10/22 11:12	03/13/22 01:54	1

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/10/22 14:00	03/11/22 04:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/10/22 14:00	03/11/22 04:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 14:00	03/11/22 04:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				03/10/22 14:00	03/11/22 04:31	1
o-Terphenyl	107		70 - 130				03/10/22 14:00	03/11/22 04:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.9		4.99		mg/Kg			03/16/22 12:48	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-13

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 03:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 03:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 03:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/13/22 03:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/13/22 03:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/13/22 03:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/10/22 11:12	03/13/22 03:15	1
1,4-Difluorobenzene (Surr)	110		70 - 130	03/10/22 11:12	03/13/22 03:15	1

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/10/22 14:09	03/14/22 06:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/10/22 14:09	03/14/22 06:09	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/10/22 14:09	03/14/22 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/10/22 14:09	03/14/22 06:09	1
o-Terphenyl	97		70 - 130	03/10/22 14:09	03/14/22 06:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.6		5.04		mg/Kg			03/16/22 12:57	1

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

Lab Sample ID: 880-12273-14

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 03:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 03:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 03:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/13/22 03:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/10/22 11:12	03/13/22 03:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/10/22 11:12	03/13/22 03:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/10/22 11:12	03/13/22 03:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/10/22 11:12	03/13/22 03:35	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-14

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Method: 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			03/14/22 14:30	1

Method: 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			03/11/22 10:24	1

Method: 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		03/10/22 14:09	03/14/22 06:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/10/22 14:09	03/14/22 06:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/14/22 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/10/22 14:09	03/14/22 06:30	1
o-Terphenyl	105		70 - 130				03/10/22 14:09	03/14/22 06:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9		4.98		mg/Kg			03/16/22 13:24	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12263-A-1-H MS	Matrix Spike	112	95
880-12263-A-1-I MSD	Matrix Spike Duplicate	2911 S1+	176 S1+
880-12273-1	S-1 (0-0.5')	220 S1+	133 S1+
880-12273-2	S-1 (1')	233 S1+	111
880-12273-3	S-1 (1.5')	110	112
880-12273-4	S-1 (2.5')	128	102
880-12273-5	S-1 (3.5')	109	113
880-12273-6	S-2 (0-0.5')	134 S1+	101
880-12273-7	S-2 (1')	264 S1+	94
880-12273-8	H-1 (0-0.5')	104	103
880-12273-9	H-2 (0-0.5')	102	108
880-12273-10	H-3 (0-0.5')	103	109
880-12273-11	H-4 (0-0.5')	102	101
880-12273-12	H-5 (0-0.5')	107	105
880-12273-13	H-6 (0-0.5')	105	110
880-12273-14	H-7 (0-0.5')	106	100
880-12274-A-21-A MS	Matrix Spike	101	112
880-12274-A-21-B MSD	Matrix Spike Duplicate	106	106
890-2055-A-1-H MS	Matrix Spike	144 S1+	93
890-2055-A-1-I MSD	Matrix Spike Duplicate	121	93
LCS 880-21146/1-A	Lab Control Sample	94	98
LCS 880-21215/1-A	Lab Control Sample	96	95
LCS 880-21289/1-A	Lab Control Sample	101	112
LCSD 880-21146/2-A	Lab Control Sample Dup	97	101
LCSD 880-21215/2-A	Lab Control Sample Dup	95	103
LCSD 880-21289/2-A	Lab Control Sample Dup	101	112
MB 880-21012/5-A	Method Blank	95	100
MB 880-21146/5-A	Method Blank	97	99
MB 880-21215/5-B	Method Blank	97	102
MB 880-21289/5-A	Method Blank	102	104

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)
880-12272-A-1-B MS	Matrix Spike	91	78
880-12272-A-1-C MSD	Matrix Spike Duplicate	97	80
880-12273-1	S-1 (0-0.5')	174 S1+	140 S1+
880-12273-2	S-1 (1')	132 S1+	117
880-12273-3	S-1 (1.5')	106	99
880-12273-4	S-1 (2.5')	106	102
880-12273-5	S-1 (3.5')	106	101
880-12273-6	S-2 (0-0.5')	111	103
880-12273-7	S-2 (1')	138 S1+	116

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Surrogate Summary

Client: Carmona Resources

Job ID: 880-12273-1

Project/Site: Screech Owl Fed (02.04.22)

SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12273-8	H-1 (0-0.5')	103	99
880-12273-9	H-2 (0-0.5')	111	111
880-12273-10	H-3 (0-0.5')	103	109
880-12273-11	H-4 (0-0.5')	110	107
880-12273-12	H-5 (0-0.5')	112	107
880-12273-13	H-6 (0-0.5')	107	97
880-12273-14	H-7 (0-0.5')	111	105
880-12301-A-1-A MS	Matrix Spike	83	66 S1-
880-12301-A-1-A MSD	Matrix Spike Duplicate	81	65 S1-
880-12309-A-1-B MS	Matrix Spike	106	91
880-12309-A-1-C MSD	Matrix Spike Duplicate	103	89
LCS 880-21325/2-A	Lab Control Sample	101	94
LCS 880-21362/2-A	Lab Control Sample	97	90
LCS 880-21371/2-A	Lab Control Sample	110	97
LCSD 880-21325/3-A	Lab Control Sample Dup	120	125
LCSD 880-21362/3-A	Lab Control Sample Dup	102	95
LCSD 880-21371/3-A	Lab Control Sample Dup	132 S1+	120
MB 880-21325/1-A	Method Blank	109	109
MB 880-21362/1-A	Method Blank	111	113
MB 880-21371/1-A	Method Blank	125	126

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21012/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/11/22 16:00	03/13/22 07:08	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/11/22 16:00	03/13/22 07:08	1

Lab Sample ID: MB 880-21146/5-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/13/22 12:58	03/13/22 19:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/13/22 12:58	03/13/22 19:01	1

Lab Sample ID: LCS 880-21146/1-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09993		mg/Kg		100	70 - 130
Toluene	0.100	0.09490		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09416		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.2203		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1080		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-21146/2-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1051		mg/Kg		105	70 - 130	5	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21146/2-A

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.09886		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2316		mg/Kg		116	70 - 130	5	35
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-12263-A-1-H MS

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.100	0.04828	F1	mg/Kg		48	70 - 130
Toluene	<0.00199	U F2 F1	0.100	0.05479	F1	mg/Kg		54	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06147	F1	mg/Kg		61	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1430		mg/Kg		71	70 - 130
o-Xylene	<0.00199	U F2 F1	0.100	0.07492		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-12263-A-1-I MSD

Matrix: Solid

Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.04152	F1	mg/Kg		42	70 - 130	15	35
Toluene	<0.00199	U F2 F1	0.0996	0.002562	F2 F1	mg/Kg		2	70 - 130	182	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	2911	S1+	70 - 130
1,4-Difluorobenzene (Surr)	176	S1+	70 - 130

Lab Sample ID: MB 880-21215/5-B

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 16:00	03/15/22 11:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/22 16:00	03/15/22 11:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 16:00	03/15/22 11:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/22 16:00	03/15/22 11:59	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21215/5-B

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21215

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/14/22 16:00	03/15/22 11:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/14/22 16:00	03/15/22 11:59	1

Lab Sample ID: LCS 880-21215/1-A

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21215

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Benzene	0.100	0.1087		mg/Kg		109	70 - 130			
Toluene	0.100	0.1042		mg/Kg		104	70 - 130			
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130			
m-Xylene & p-Xylene	0.200	0.2416		mg/Kg		121	70 - 130			
o-Xylene	0.100	0.1165		mg/Kg		116	70 - 130			

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

Lab Sample ID: LCSD 880-21215/2-A

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21215

	Spike	LCSD	LCSD						%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD			Limit
Benzene	0.100	0.1091		mg/Kg		109	70 - 130	0			35
Toluene	0.100	0.1004		mg/Kg		100	70 - 130	4			35
Ethylbenzene	0.100	0.09825		mg/Kg		98	70 - 130	5			35
m-Xylene & p-Xylene	0.200	0.2297		mg/Kg		115	70 - 130	5			35
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	4			35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-2055-A-1-H MS

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21215

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F2 F1	0.101	0.05294	F1	mg/Kg		53	70 - 130	
Toluene	<0.00199	U F2 F1	0.101	0.03908	F1	mg/Kg		38	70 - 130	
Ethylbenzene	<0.00199	U F2 F1	0.101	0.02601	F1	mg/Kg		24	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.202	0.04236	F1	mg/Kg		20	70 - 130	
o-Xylene	0.0123	F2 F1	0.101	0.03425	F1	mg/Kg		22	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2055-A-1-I MSD

Matrix: Solid

Analysis Batch: 21615

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.07937	F2	mg/Kg		79	70 - 130	40	35
Toluene	<0.00199	U F2 F1	0.100	0.08386	F2	mg/Kg		83	70 - 130	73	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.07686	F2	mg/Kg		75	70 - 130	99	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1540	F2	mg/Kg		76	70 - 130	114	35
o-Xylene	0.0123	F2 F1	0.100	0.1052	F2	mg/Kg		93	70 - 130	102	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-21289/5-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21289

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/10/22 11:12	03/12/22 18:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/10/22 11:12	03/12/22 18:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/10/22 11:12	03/12/22 18:42	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/10/22 11:12	03/12/22 18:42	1

Lab Sample ID: LCS 880-21289/1-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1099		mg/Kg		110	70 - 130
Toluene	0.100	0.1067		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2193		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: LCSD 880-21289/2-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1130		mg/Kg		113	70 - 130	3	35
Toluene	0.100	0.1096		mg/Kg		110	70 - 130	3	35

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21289/2-A

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	0.100	0.1078		mg/Kg		108	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2253		mg/Kg		113	70 - 130	3	35
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12274-A-21-A MS

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00202	U F1	0.100	0.06597	F1	mg/Kg		66	70 - 130
Toluene	<0.00202	U F1	0.100	0.06194	F1	mg/Kg		61	70 - 130
Ethylbenzene	<0.00202	U F1	0.100	0.06077	F1	mg/Kg		60	70 - 130
m-Xylene & p-Xylene	<0.00403	U F1	0.201	0.1254	F1	mg/Kg		62	70 - 130
o-Xylene	<0.00202	U F1	0.100	0.06701	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12274-A-21-B MSD

Matrix: Solid

Analysis Batch: 21441

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21289

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.100	0.05849	F1	mg/Kg		58	70 - 130	12	35
Toluene	<0.00202	U F1	0.100	0.05722	F1	mg/Kg		57	70 - 130	8	35
Ethylbenzene	<0.00202	U F1	0.100	0.05832	F1	mg/Kg		57	70 - 130	4	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.1205	F1	mg/Kg		59	70 - 130	4	35
o-Xylene	<0.00202	U F1	0.100	0.06550	F1	mg/Kg		65	70 - 130	2	35

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

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

Lab Sample ID: MB 880-21325/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21325

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		03/10/22 14:09	03/13/22 21:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-21325/1-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/10/22 14:09	03/13/22 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1
o-Terphenyl	109		70 - 130				03/10/22 14:09	03/13/22 21:50	1

Lab Sample ID: LCS 880-21325/2-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	826.9		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	872.1		mg/Kg		87	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	101		70 - 130				
o-Terphenyl	94		70 - 130				

Lab Sample ID: LCSD 880-21325/3-A

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	959.8		mg/Kg		96	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1163	*1	mg/Kg		116	70 - 130	29	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	125		70 - 130						

Lab Sample ID: 880-12272-A-1-B MS

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21325

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	1206		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1020	*1	998	1990		mg/Kg		97	70 - 130
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	91		70 - 130						
o-Terphenyl	78		70 - 130						

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12272-A-1-C MSD

Matrix: Solid

Analysis Batch: 21446

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21325

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	998	1256		mg/Kg		124	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1020	*1	998	2087		mg/Kg		107	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	80		70 - 130								

Lab Sample ID: MB 880-21362/1-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21362

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		03/11/22 08:28	03/11/22 09:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 09:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 08:28	03/11/22 09:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/11/22 08:28	03/11/22 09:39	1
o-Terphenyl	113		70 - 130				03/11/22 08:28	03/11/22 09:39	1

Lab Sample ID: LCS 880-21362/2-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	891.1		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	929.2		mg/Kg		93	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: LCSD 880-21362/3-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	833.5		mg/Kg		83	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	926.9		mg/Kg		93	70 - 130	0	20

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21362/3-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21362

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-12301-A-1-A MS

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21362

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	66	S1-	70 - 130

Lab Sample ID: 880-12301-A-1-A MSD

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21362

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	65	S1-	70 - 130

Lab Sample ID: MB 880-21371/1-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21371

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		03/11/22 09:52	03/12/22 05:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/11/22 09:52	03/12/22 05:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/11/22 09:52	03/12/22 05:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				03/11/22 09:52	03/12/22 05:08	1
o-Terphenyl	126		70 - 130				03/11/22 09:52	03/12/22 05:08	1

Lab Sample ID: LCS 880-21371/2-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	848.4		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1009		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	110		70 - 130				
o-Terphenyl	97		70 - 130				

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-21371/3-A

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21371

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	955.3		mg/Kg		96	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1220		mg/Kg		122	70 - 130	19	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	132	S1+	70 - 130						
o-Terphenyl	120		70 - 130						

Lab Sample ID: 880-12309-A-1-B MS

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1444	F1	mg/Kg		141	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1460	F1	mg/Kg		146	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 880-12309-A-1-C MSD

Matrix: Solid

Analysis Batch: 21357

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21371

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 F1	998	1422	F1	mg/Kg		139	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1426	F1	mg/Kg		143	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	89		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21305/1-A

Matrix: Solid

Analysis Batch: 21618

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			03/15/22 02:07	1

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-21305/2-A

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.8		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-21305/3-A

Matrix: Solid

Analysis Batch: 21618

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	242.7		mg/Kg		97	90 - 110	2	20

Lab Sample ID: 880-12272-A-10-C MS

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	22.7		252	261.0		mg/Kg		95	90 - 110

Lab Sample ID: 880-12272-A-10-D MSD

Matrix: Solid

Analysis Batch: 21618

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	22.7		252	257.3		mg/Kg		93	90 - 110	1	20

Lab Sample ID: MB 880-21306/1-A

Matrix: Solid

Analysis Batch: 21619

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			03/16/22 10:17	1

Lab Sample ID: LCS 880-21306/2-A

Matrix: Solid

Analysis Batch: 21619

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.3		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-21306/3-A

Matrix: Solid

Analysis Batch: 21619

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	244.2		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-12273-9 MS

Matrix: Solid

Analysis Batch: 21619

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	47.9		248	292.9		mg/Kg		99	90 - 110

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QC Sample Results

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-12273-9 MSD					Client Sample ID: H-2 (0-0.5')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 21619												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	47.9		248	292.3		mg/Kg		99	90 - 110	0	20	

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

GC VOA

Prep Batch: 21012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21012/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 21146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-7	S-2 (1')	Total/NA	Solid	5035	
MB 880-21146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	5035	
MB 880-21215/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-21215/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21215/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2055-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
890-2055-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	5035	
880-12273-2	S-1 (1')	Total/NA	Solid	5035	
880-12273-3	S-1 (1.5')	Total/NA	Solid	5035	
880-12273-4	S-1 (2.5')	Total/NA	Solid	5035	
880-12273-5	S-1 (3.5')	Total/NA	Solid	5035	
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	5035	
880-12273-7	S-2 (1')	Total/NA	Solid	5035	
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	5035	
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	5035	
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	5035	
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	5035	
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	5035	
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	5035	
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-21289/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21289/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21289/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12274-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-12274-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-7	S-2 (1')	Total/NA	Solid	8021B	21146
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	21012
MB 880-21146/5-A	Method Blank	Total/NA	Solid	8021B	21146
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	8021B	21146
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21146
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	21146
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21146

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QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

GC VOA

Analysis Batch: 21441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-2	S-1 (1')	Total/NA	Solid	8021B	21289
880-12273-3	S-1 (1.5')	Total/NA	Solid	8021B	21289
880-12273-4	S-1 (2.5')	Total/NA	Solid	8021B	21289
880-12273-5	S-1 (3.5')	Total/NA	Solid	8021B	21289
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-7	S-2 (1')	Total/NA	Solid	8021B	21289
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	8021B	21289
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	8021B	21289
MB 880-21289/5-A	Method Blank	Total/NA	Solid	8021B	21289
LCS 880-21289/1-A	Lab Control Sample	Total/NA	Solid	8021B	21289
LCSD 880-21289/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21289
880-12274-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	21289
880-12274-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21289

Analysis Batch: 21549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-2	S-1 (1')	Total/NA	Solid	Total BTEX	
880-12273-3	S-1 (1.5')	Total/NA	Solid	Total BTEX	
880-12273-4	S-1 (2.5')	Total/NA	Solid	Total BTEX	
880-12273-5	S-1 (3.5')	Total/NA	Solid	Total BTEX	
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-7	S-2 (1')	Total/NA	Solid	Total BTEX	
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

Analysis Batch: 21615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	8021B	21215
MB 880-21215/5-B	Method Blank	Total/NA	Solid	8021B	21215
LCS 880-21215/1-A	Lab Control Sample	Total/NA	Solid	8021B	21215
LCSD 880-21215/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21215
890-2055-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	21215
890-2055-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21215

GC Semi VOA

Prep Batch: 21230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-7	S-2 (1')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 21230 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-7	S-2 (1')	Total/NA	Solid	8015B NM	21230
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	8015B NM	21230
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	8015B NM	21230
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	8015B NM	21230
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	8015B NM	21230
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	8015B NM	21230

Prep Batch: 21325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	8015B NM	21371
880-12273-2	S-1 (1')	Total/NA	Solid	8015B NM	21371
880-12273-3	S-1 (1.5')	Total/NA	Solid	8015B NM	21371
880-12273-4	S-1 (2.5')	Total/NA	Solid	8015B NM	21362
880-12273-5	S-1 (3.5')	Total/NA	Solid	8015B NM	21362
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	8015B NM	21362
MB 880-21362/1-A	Method Blank	Total/NA	Solid	8015B NM	21362
MB 880-21371/1-A	Method Blank	Total/NA	Solid	8015B NM	21371
LCS 880-21362/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21362
LCS 880-21371/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21371
LCSD 880-21362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21362
LCSD 880-21371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21371
880-12301-A-1-A MS	Matrix Spike	Total/NA	Solid	8015B NM	21362
880-12301-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21362
880-12309-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21371
880-12309-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21371

Prep Batch: 21362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-4	S-1 (2.5')	Total/NA	Solid	8015NM Prep	
880-12273-5	S-1 (3.5')	Total/NA	Solid	8015NM Prep	
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-21362/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21362/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

GC Semi VOA (Continued)

Prep Batch: 21362 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-21362/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12301-A-1-A MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12301-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 21371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-12273-2	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-12273-3	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-21371/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21371/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12309-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12309-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-2	S-1 (1')	Total/NA	Solid	8015 NM	
880-12273-3	S-1 (1.5')	Total/NA	Solid	8015 NM	
880-12273-4	S-1 (2.5')	Total/NA	Solid	8015 NM	
880-12273-5	S-1 (3.5')	Total/NA	Solid	8015 NM	
880-12273-6	S-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-7	S-2 (1')	Total/NA	Solid	8015 NM	
880-12273-8	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-9	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-10	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-11	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-12	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

Analysis Batch: 21446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-13	H-6 (0-0.5')	Total/NA	Solid	8015B NM	21325
880-12273-14	H-7 (0-0.5')	Total/NA	Solid	8015B NM	21325
MB 880-21325/1-A	Method Blank	Total/NA	Solid	8015B NM	21325
LCS 880-21325/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21325
LCSD 880-21325/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21325
880-12272-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21325
880-12272-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21325

HPLC/IC

Leach Batch: 21305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-2	S-1 (1')	Soluble	Solid	DI Leach	
880-12273-3	S-1 (1.5')	Soluble	Solid	DI Leach	
880-12273-4	S-1 (2.5')	Soluble	Solid	DI Leach	
880-12273-5	S-1 (3.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Leach Batch: 21305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-6	S-2 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-7	S-2 (1')	Soluble	Solid	DI Leach	
880-12273-8	H-1 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-21305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12272-A-10-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12272-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 21306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-9	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-10	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-11	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-12	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-13	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-14	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-21306/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21306/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21306/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12273-9 MS	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-12273-9 MSD	H-2 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 21618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-1	S-1 (0-0.5')	Soluble	Solid	300.0	21305
880-12273-2	S-1 (1')	Soluble	Solid	300.0	21305
880-12273-3	S-1 (1.5')	Soluble	Solid	300.0	21305
880-12273-4	S-1 (2.5')	Soluble	Solid	300.0	21305
880-12273-5	S-1 (3.5')	Soluble	Solid	300.0	21305
880-12273-6	S-2 (0-0.5')	Soluble	Solid	300.0	21305
880-12273-7	S-2 (1')	Soluble	Solid	300.0	21305
880-12273-8	H-1 (0-0.5')	Soluble	Solid	300.0	21305
MB 880-21305/1-A	Method Blank	Soluble	Solid	300.0	21305
LCS 880-21305/2-A	Lab Control Sample	Soluble	Solid	300.0	21305
LCSD 880-21305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21305
880-12272-A-10-C MS	Matrix Spike	Soluble	Solid	300.0	21305
880-12272-A-10-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21305

Analysis Batch: 21619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-9	H-2 (0-0.5')	Soluble	Solid	300.0	21306
880-12273-10	H-3 (0-0.5')	Soluble	Solid	300.0	21306
880-12273-11	H-4 (0-0.5')	Soluble	Solid	300.0	21306
880-12273-12	H-5 (0-0.5')	Soluble	Solid	300.0	21306
880-12273-13	H-6 (0-0.5')	Soluble	Solid	300.0	21306
880-12273-14	H-7 (0-0.5')	Soluble	Solid	300.0	21306
MB 880-21306/1-A	Method Blank	Soluble	Solid	300.0	21306
LCS 880-21306/2-A	Lab Control Sample	Soluble	Solid	300.0	21306
LCSD 880-21306/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21306
880-12273-9 MS	H-2 (0-0.5')	Soluble	Solid	300.0	21306

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QC Association Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

HPLC/IC (Continued)

Analysis Batch: 21619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12273-9 MSD	H-2 (0-0.5')	Soluble	Solid	300.0	21306

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

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-1

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21215	03/14/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	21615	03/15/22 15:31	AJ	XEN MID
Total/NA	Prep	5035			4.97 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21441	03/12/22 21:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/12/22 07:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		5			21618	03/16/22 08:22	CH	XEN MID

Client Sample ID: S-1 (1')

Lab Sample ID: 880-12273-2

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21441	03/12/22 22:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/12/22 07:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		20			21618	03/16/22 16:30	CH	XEN MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-12273-3

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 21:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/12/22 08:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		5			21618	03/16/22 08:31	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-1 (2.5')

Lab Sample ID: 880-12273-4

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 21:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21362	03/11/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/11/22 17:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 18:53	CH	XEN MID

Client Sample ID: S-1 (3.5')

Lab Sample ID: 880-12273-5

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 23:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21362	03/11/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/11/22 18:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			21618	03/15/22 19:02	CH	XEN MID

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

Lab Sample ID: 880-12273-6

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/12/22 23:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21362	03/11/22 08:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21357	03/11/22 18:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		20			21618	03/16/22 16:38	CH	XEN MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-12273-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21146	03/13/22 12:58	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21440	03/14/22 01:46	MR	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-12273-7

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 00:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 02:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		20			21618	03/16/22 08:57	CH	XEN MID

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

Lab Sample ID: 880-12273-8

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 00:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 03:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21305	03/10/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		5			21618	03/16/22 16:47	CH	XEN MID

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

Lab Sample ID: 880-12273-9

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 00:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 03:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 12:04	CH	XEN MID

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

Lab Sample ID: 880-12273-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 01:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

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

Lab Sample ID: 880-12273-10

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 03:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 12:31	CH	XEN MID

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

Lab Sample ID: 880-12273-11

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 01:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 04:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 12:39	CH	XEN MID

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

Lab Sample ID: 880-12273-12

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 01:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21230	03/10/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21302	03/11/22 04:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 12:48	CH	XEN MID

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

Lab Sample ID: 880-12273-13

Date Collected: 03/08/22 00:00

Matrix: Solid

Date Received: 03/10/22 10:15

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	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 03:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 06:09	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Client Sample ID: H-6 (0-0.5')
Date Collected: 03/08/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12273-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 12:57	CH	XEN MID

Client Sample ID: H-7 (0-0.5')
Date Collected: 03/08/22 00:00
Date Received: 03/10/22 10:15

Lab Sample ID: 880-12273-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21289	03/10/22 11:12	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21441	03/13/22 03:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21549	03/14/22 14:30	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21386	03/11/22 10:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21325	03/10/22 14:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21446	03/14/22 06:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21306	03/10/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			21619	03/16/22 13:24	CH	XEN MID

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Solid	Chloride
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	m-Xylene & p-Xylene
8021B	5035	Solid	o-Xylene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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:

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

Eurofins Midland

Sample Summary

Client: Carmona Resources
Project/Site: Screech Owl Fed (02.04.22)

Job ID: 880-12273-1
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12273-1	S-1 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-2	S-1 (1')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-3	S-1 (1.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-4	S-1 (2.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-5	S-1 (3.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-6	S-2 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-7	S-2 (1')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-8	H-1 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-9	H-2 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-10	H-3 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-11	H-4 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-12	H-5 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-13	H-6 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15
880-12273-14	H-7 (0-0.5')	Solid	03/08/22 00:00	03/10/22 10:15

Work Order No: 12273

Page 1 of 2

Project Manager	Conner Moehring	Bill to (if different)	Jacqui Harris
Company Name	Carmona Resources	Company Name	COG
Address	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving, NM 88256
Phone	432-813-6823	Email	jacquiharris@carmonaphillips.com

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

Project Name	Screesh Owl Fed (02 04 22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number	1021	Due Date	72Hrs						None NO DI Water H ₂ O
Project Location	Eddy Co. NM	TAT starts the day received by the lab if received by 4 30pm							Cool Cool MeOH Me
Sampler's Name	CRM								HCL HC HNO ₃ HN
PO #									H ₂ SO ₄ H ₂ NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					H ₃ PO ₄ HP
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID							NaHSO ₄ NABIS
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor							Na ₂ S ₂ O ₃ NaSO ₃
Sample Custody Seals	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading							Zn Acetate+NaOH Zn
Total Containers:		Corrected Temperature:							NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments									
S-1 (0-0 5')	3/8/2022		X		G	1	X	X	X										
S-1 (1')	3/8/2022		X		G	1	X	X	X										
S-1 (1 5')	3/8/2022		X		G	1	X	X	X										
S-1 (2 5')	3/8/2022		X		G	1	X	X	X										
S-1 (3 5')	3/8/2022		X		G	1	X	X	X										
S-2 (0-0 5')	3/8/2022		X		G	1	X	X	X										
S-2 (1')	3/8/2022		X		G	1	X	X	X										
H-1 (0-0 5')	3/8/2022		X		G	1	X	X	X										
H-2 (0-0 5')	3/8/2022		X		G	1	X	X	X										
H-3 (0-0 5')	3/8/2022		X		G	1	X	X	X										



880-12273 Chain of Custody

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$86.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	<i>Jacqui Harris</i>	3/10/22 10:15			

Project Manager	Conner Moehring	Bill to: (if different)	Jacqui Harms
Company Name	Carmona Resources	Company Name	COG
Address.	310 West Wall Ste 415	Address	15 W Loving Rd
City, State ZIP	Midland, TX 79701	City, State ZIP	Loving NM 88256
Phone	432-813-6823	Email	jacquiharms@comocphillips.com

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

Work Order No: 12273

Page 2 of 2

Project Name.						Screech Owl Fed (02-04-22)									
Project Number						1021				Turn Around <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush					
Project Location						Eddy Co., NM				Due Date		72Hrs			
Sampler's Name						CRM				TAT starts the day received by the lab, if received by 4:30pm					
PO #:															
SAMPLE RECEIPT						Temp Blank		Yes / No		Wet Ice		(Yes) No			
Received Intact.						(Yes) No				Thermometer ID		IT-28			
Cooler Custody Seals.						Yes No		(N/A)		Correction Factor		- .1			
Sample Custody Seals.						Yes No		(N/A)		Temperature Reading		.1			
Total Containers										Corrected Temperature		.0			
Parameters															
BTEX 8021B															
8015M (GRO + DRO + MRO)															
Chloride 300 0															
ANALYSIS REQUEST															
Preservative Codes															
None, NO															
DI Water H ₂ O															
Cool Cool MeOH Me															
HCL HC HNO ₃ HN															
H ₂ SO ₄ H ₂ NaOH Na															
H ₃ PO ₄ , HP															
NaHSO ₄ , NABIS															
Na ₂ S ₂ O ₃ , NASO ₃															
Zn Acetate+NaOH Zn															
HOAc+Ascorbic Acid SAPC															

[illegible]

Additoinal Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>Eunyoung</i>	<i>Heeae</i>	3/10/22 10:15	2		
3			4		
5			6		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-12273-1

SDG Number: Eddy Co, NM

Login Number: 12273**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



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

April 08, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SCREECH OWL FEDERAL

Enclosed are the results of analyses for samples received by the laboratory on 04/07/22 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/08/2022	Sampling Type:	Soil
Project Name:	SCREECH OWL FEDERAL	Sampling Condition:	** (See Notes)
Project Number:	1021 (02.04.22)	Sample Received By:	Shalyn Rodriguez
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 1 (2.5') (H221418-01)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEX	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	28.8	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (2.5') (H221418-02)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2022	ND	2.19	109	2.00	3.36	
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09	
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88	
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30	
Total BTX	<0.300	0.300	04/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	36.1	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 3 (2.5') (H221418-03)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTX	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (2.5') (H221418-04)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	04/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 5 (2.5') (H221418-05)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	26.5	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 1 (2.5') (H221418-06)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	46.8	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 2 (2.5') (H221418-07)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 (2.5') (H221418-08)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/08/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 4 (2.5') (H221418-09)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 5 (2.5') (H221418-10)

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	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTEx	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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

Received: 04/07/2022
 Reported: 04/08/2022
 Project Name: SCREECH OWL FEDERAL
 Project Number: 1021 (02.04.22)
 Project Location: COG - EDDY CO NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 6 (2.5') (H221418-11)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/07/2022	ND	2.19	109	2.00	3.36		
Toluene*	<0.050	0.050	04/07/2022	ND	2.17	108	2.00	3.09		
Ethylbenzene*	<0.050	0.050	04/07/2022	ND	2.07	103	2.00	3.88		
Total Xylenes*	<0.150	0.150	04/07/2022	ND	6.39	106	6.00	3.30		
Total BTX	<0.300	0.300	04/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	04/08/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2022	ND	197	98.3	200	0.664	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	185	92.5	200	5.33	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody



Work Order No: H221418-1-1

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comconophillips.com

Work Order Comments				Page	1	of	2
Program:	UST/PT	<input type="checkbox"/> PRP	<input type="checkbox"/> rownfields	<input type="checkbox"/> RC	<input type="checkbox"/> pertund	<input type="checkbox"/>	
State of Project:							
Reporting Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	ST/UST	<input type="checkbox"/>	RRP	<input type="checkbox"/>
Level IV	<input type="checkbox"/>						
Deliverables: EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:			

SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> Wet Ice: Yes <input type="checkbox"/> No <input type="checkbox"/>										
Received Intact:	(X) Yes No													
Cooler Custody Seals:	Yes No <input checked="" type="checkbox"/> N/A		Correction Factor:	-0.5°C										
Sample Custody Seals:	Yes No <input checked="" type="checkbox"/> N/A		Temperature Reading:	6.8°C										
Total Containers:			Corrected Temperature:	6.3°C										
PRESERVATIVE CODES					ANALYSIS REQUEST									
Project Name:					Screech Owl Federal (02-04-22)					Turn Around				
Project Number:					1021					<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush				
Project Location					Eddy Co. NM					Due Date:				
Sampler's Name:					CCM					TAT starts the day received by the lab, if received by 4:30pm				
PO #:										24 Hrs.				
Parameters					Pres. Code									
BTEx 8021B														
8015M (GRO + DRO + MRO)														
Chloride 4500														
HOLD														
None: NO					DI Water: H ₂ O									
Cool: Cool					MeOH: Me									
HCL: HC					HNO ₃ : HN									
H ₂ SO ₄ : H ₂					NaOH: Na									
H ₃ PO ₄ : HP														
NaHSO ₄ : NABIS														
Na ₂ S ₂ O ₃ : NaSO ₃														
Zn Acetate+NaOH: Zn														
NaOH+Ascorbic Acid: SAPC														

[illegible]

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4-13-22 1440			

Chain of Custody

Work Order No: 422148-1-11

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmona Resources	Company Name:	COG
Address:	310 W Wall St Ste 415	Address:	15 W London Rd
City, State ZIP:	Midland, TX 79701	City, State ZIP:	Loving, NM 88256
Phone:	432-813-6823	Email:	jacquiharris@comocphillips.com

Page 2 of 2

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

April 12, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SCREECH OWL FEDERAL

Enclosed are the results of analyses for samples received by the laboratory on 04/11/22 9:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SCREECH OWL FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	1021 (02.04.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: CS - 4 (3') (H221461-01)

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	10.8		
Toluene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	11.5		
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.42	107	6.00	11.0		
Total BTX	<0.300	0.300	04/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/11/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	169	84.7	200	9.63		
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	152	76.2	200	9.59		
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND						

Surrogate: 1-Chlorooctane 84.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/11/2022	Sampling Date:	04/11/2022
Reported:	04/12/2022	Sampling Type:	Soil
Project Name:	SCREECH OWL FEDERAL	Sampling Condition:	Cool & Intact
Project Number:	1021 (02.04.22)	Sample Received By:	Tamara Oldaker
Project Location:	COG - EDDY CO NM		

Sample ID: SW - 2 (3') (H221461-02)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	10.8	
Toluene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	11.8	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.42	107	6.00	11.0	
Total BTX	<0.300	0.300	04/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/11/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	169	84.7	200	9.63	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	152	76.2	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.7 % 59.5-142

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H221461

Page 1 of 1

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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 115062

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 115062
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/2/2022