

CARMONA RESOURCES



## SITE INFORMATION

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**Revised Closure Report**  
**Seabiscuit Federal Com 002H (04/02/22)**  
**Incident #: NAPP2211047151**  
**Eddy County, New Mexico**  
**Unit N Sec 12 T24S R31E**  
**32.225780°, -103.732419°**

**Crude Oil Release**  
**Point of Release: Flare Fire**  
**Release Date: 04/02/2022**  
**Volume Released: 2 barrels of Crude Oil**  
**Volume Recovered: 0 barrels of Crude Oil**

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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December 13, 2022

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

**Re: Revised Closure Report  
Seabiscuit Federal Com 002H (04/02/22))  
Concho Operating, LLC  
Site Location: Unit N, S12, T24S, R31E  
(Lat 32.225780°, Long -103.732419°)  
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities. The site is located at 32.225780, -103.732419 within Unit N, S12, T24S, R31E, and in Eddy County, New Mexico (Figures 1 and 2).

### **1.0 Site information and Background**

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on April 2, 2022, caused by fluids being sent to the flare resulting in a flare fire. It released approximately (two) 2 barrels of crude oil, and (zero) 0 barrels were recovered. The impacted area occurred on the pad only and measured approximately 180' x 45', shown in Figure 3. The initial C-141 form is attached in Appendix C.

### **2.0 Site Characterization and Groundwater**

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 1.58 miles Southwest of the site in S23, T24S, R31E and was drilled in 2022. The well has a reported depth to groundwater of 850' feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

On July 18, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below ground surface and within a 0.50-mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.225909°, -103.732412°. See Appendix D for the log.

### **3.0 NMAC Regulatory Criteria**

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.



#### **4.0 Site Assessment Activities**

##### **Initial Assessment**

On May 3, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) sample points (S-1 and S-3) and five (5) horizontal sample points (H-1 through H-5) were installed to total depths ranging from surface to 0.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

On December 6, 2022, Carmona Resources, LLC were onsite to recollect the horizontal samples (located on the pad) and extend 1'-2' at (H-3, H-4, and H-5); they were installed to total depths ranging from surface to 0.5 ft below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3.

##### **5.0 Remediation Activities**

Carmona Resources personnel were onsite on August 11<sup>th</sup>, 2022, to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on June 9, 2022, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The areas of S-1 and S-2 were excavated to a depth of 1.0' below the surface to remove all the impacted soils. A total of eight (8) floor confirmation samples were collected (CS-1 through CS-8), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

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

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 50 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

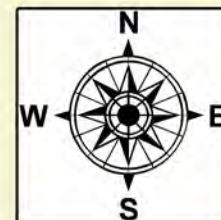
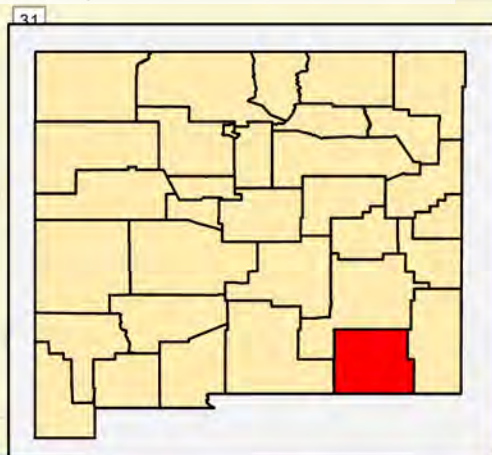
Conner Moehring  
Sr. Project Manager



## FIGURES

CARMONA RESOURCES



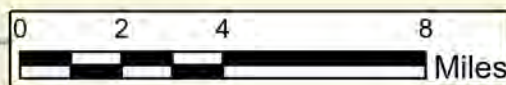


128



128

W 19th Highway

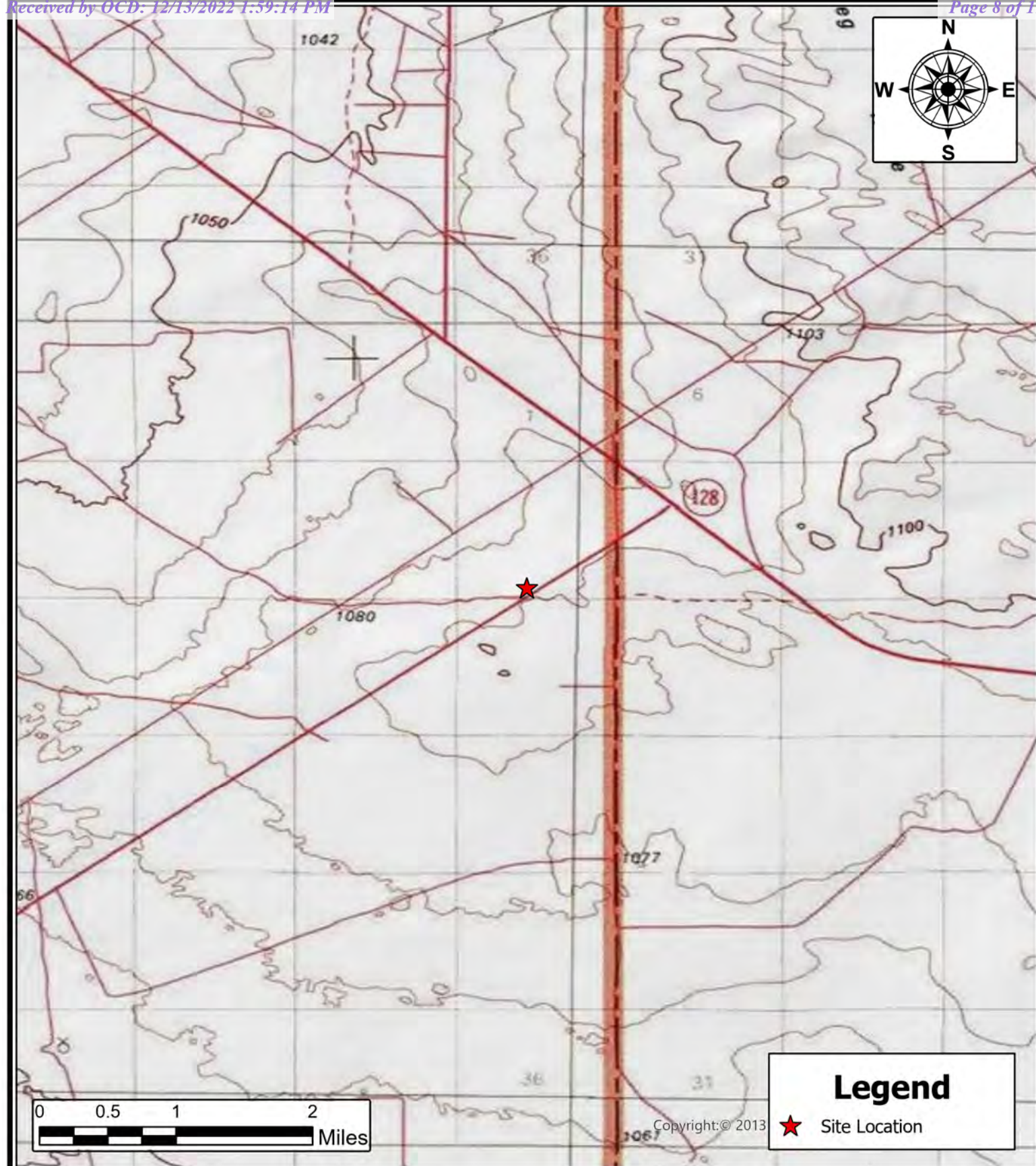


**Legend**

★ Site Location

<p><b>OVERVIEW MAP</b>  <b>COG OPERATING</b>                  SEABISCUIT FEDERAL COM #2H (04.02.22)                  EDDY COUNTY, NEW MEXICO                  32.225780, -103.732419</p>	 <p><b>Carmona Resources</b>                  310 West Wall Street, Suite 415                  Midland, Texas 79701</p>	<p><b>NOTES:</b></p> <p>1. Base Image: ESRI Maps &amp; Data 2013                  2. Map Projection: NAD 1983 UTM Zone 13N</p>	<p>DRAWING NUMBER:</p>
<p>SCALE: As Shown</p>			<p><b>FIGURE 1</b></p>
<p>Date: 8/15/2022</p>			<p>SHEET NUMBER:</p> <p><b>1 of 1</b></p>





**TOPOGRAPHIC MAP**  
**COG OPERATING**  
 SEABISCUIT FEDERAL COM #2H (04.02.22)  
 EDDY COUNTY, NEW MEXICO  
 32.225780, -103.732419

SCALE: As Shown

Date: 8/15/2022



**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

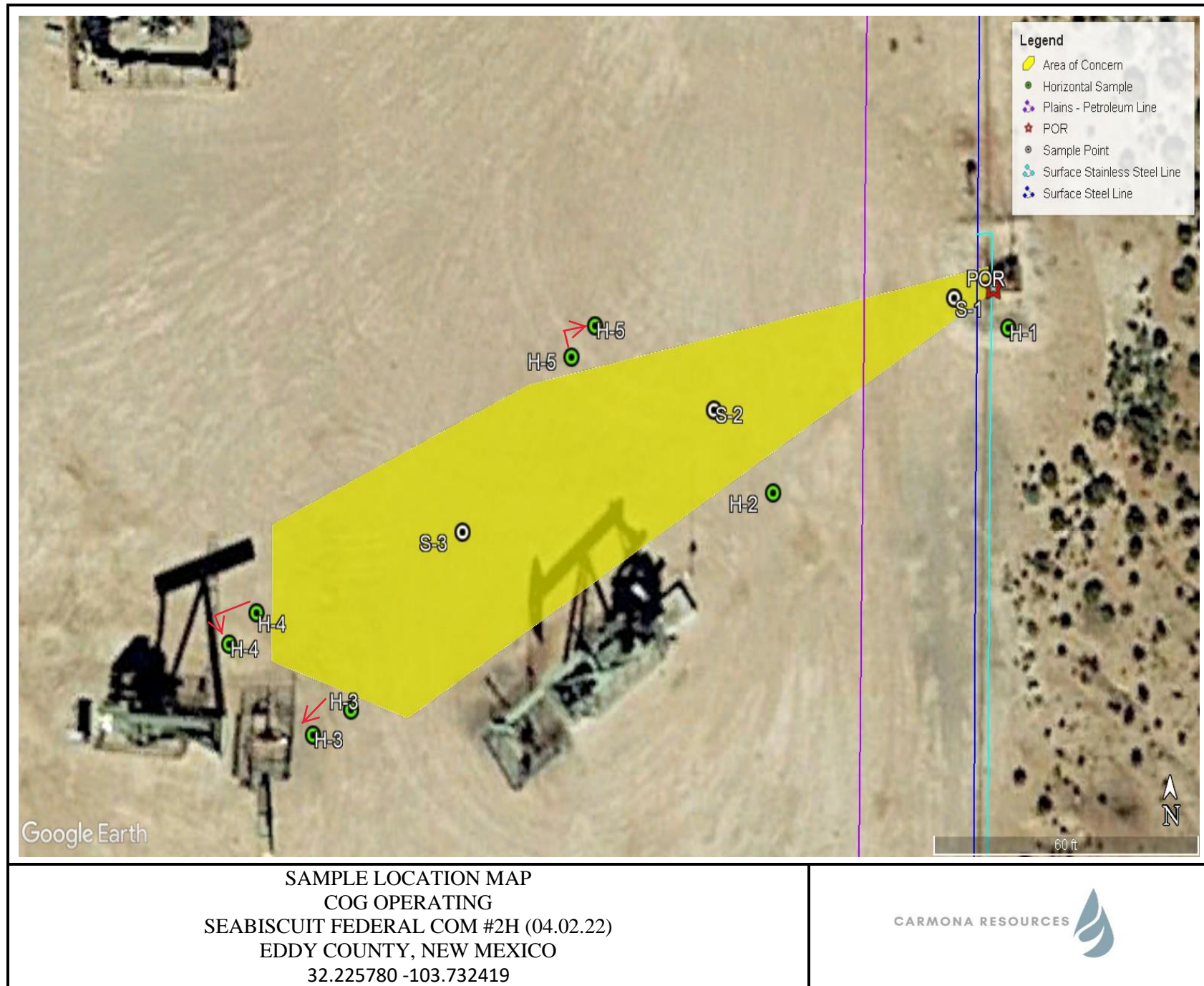
DRAWING NUMBER:

**FIGURE 2**

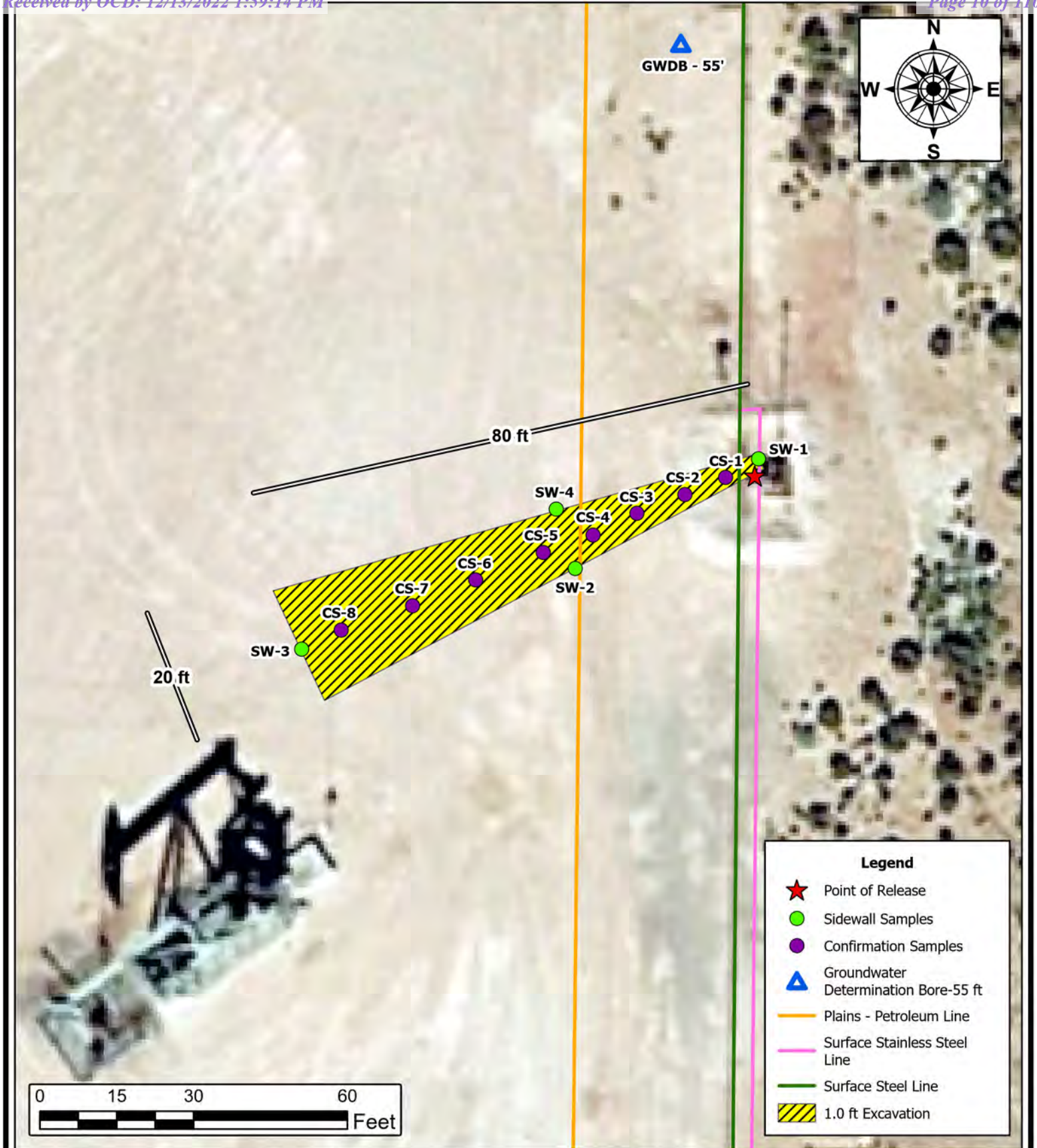
SHEET NUMBER:

**1 of 1**









**EXCAVATION DEPTH MAP**  
**COG OPERATING**  
 SEABISCUIT FEDERAL COM #2H (04.02.22)  
 EDDY COUNTY, NEW MEXICO  
 32.225780, -103.732419

SCALE: As Shown

Date: 8/16/2022



**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 4**

SHEET NUMBER:

**1 of 1**

## APPENDIX A

CARMONA RESOURCES



**Table 1**  
**COG**  
**Seabiscuit Federal Com #2H (04.02.22)**  
**Eddy County, New Mexico**

Sample ID	Date	Depth (in)	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						
<b>S-1</b>	5/3/2022	0-3"	<250	<b>5,400</b>	<b>1,780</b>	<b>7,180</b>	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,630
	"	6"	<250	<b>6,150</b>	<b>2,100</b>	<b>8,250</b>	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	288
<b>S-2</b>	5/3/2022	0-3"	106	<b>7,810</b>	<b>1,880</b>	<b>9,800</b>	<0.00199	<0.00199	0.00416	0.0224	0.0266	1,990
	"	6"	107	<b>8,040</b>	<b>2,270</b>	<b>10,400</b>	<0.00201	0.00613	0.00333	0.0159	0.0254	2,620
<b>S-3</b>	5/3/2022	0-3"	<49.8	<49.8	<49.8	<49.8	<0.00198	0.00625	<0.00198	<0.00396	0.00625	1,050
	"	6"	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,430
<b>H-1</b>	5/3/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	181
<b>H-2</b>	5/3/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	193
<b>H-3</b>	5/3/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<b>7,870</b>
	12/6/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	24.7
<b>H-4</b>	5/3/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<b>3,730</b>
	12/6/2022	0-6"	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	22.2
<b>H-5</b>	5/3/2022	0-3"	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<b>3,370</b>
	12/6/2022	0-6"	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3.05
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>			<b>2,500 mg/kg</b>	<b>10 mg/kg</b>	-	-	-	<b>50 mg/kg</b>	<b>10,000 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

In-inches

(S) Sample Point

(H) Horizontal

Removed

**Table 2**  
**COG**  
**Seabiscuit Federal Com #2H (04.02.22)**  
**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						
<b>CS-1</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
<b>CS-2</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
<b>CS-3</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-4</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
<b>CS-5</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
<b>CS-6</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
<b>CS-7</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>CS-8</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>SW-1</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
<b>SW-2</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
<b>SW-3</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>SW-4</b>	8/11/2022	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
<b>Regulatory Criteria<sup>A</sup></b>			<b>1,000 mg/kg</b>		<b>-</b>	<b>2,500 mg/kg</b>	<b>10 mg/kg</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50 mg/kg</b>	<b>10,000 mg/kg</b>

(-) Not Analyzed

<sup>A</sup> – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

In-inches

(CS) Confirmation Sample

(SW) Sidewall



## APPENDIX B

CARMONA RESOURCES



# PHOTOGRAPHIC LOG

Concho Operating, LLC

## Photograph No. 1

**Facility:** Seabiscuit Federal Com #2H  
(04.02.22)

**County:** Eddy County, New Mexico

**Description:**

View East areas of confirmation samples (1-8).



## Photograph No. 2

**Facility:** Seabiscuit Federal Com #2H  
(04.02.22)

**County:** Eddy County, New Mexico

**Description:**

View Southwest areas of confirmation samples (1-8).



## Photograph No. 3

**Facility:** Seabiscuit Federal Com #2H  
(04.02.22)

**County:** Eddy County, New Mexico

**Description:**

View Northeast areas of confirmation samples (1-8).



## 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>Patricia Zapata</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/20/2022</u>



NAPP2211047151

**L48 Spill Volume Estimate Form**

Facility Name & Number:		Seabiscuit Fed Corn 2H							
Asset Area:		Delaware Basin West							
Release Discovery Date & Time:		4.2.22							
Release Type:		Oil							
Provide any known details about the event:		Fluid sent out flare resulting in flare fire							
<b>Spill Calculation - Subsurface Spill - Rectangle</b>									
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.)
ddy	10.0	20.0	0.75	11.30%	2.225	0.251			
Rectangle B	20.0	30.0	1.00	11.30%	8.900	1.006			
Rectangle C	15.0	25.0	0.75	11.30%	4.172	0.471			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
Total Volume Release:						1.729			

**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 100272

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 100272
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/20/2022

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 <b>not</b> 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: Jocelyn Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 12/13/2022

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: Jacques Harimon Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 12/13/2022

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:** Mike Carmona  
**Sent:** Tuesday, August 9, 2022 8:11 AM  
**To:** OCD.Enviro@state.nm.us  
**Cc:** Harris, Jacqui; Conner Moehring  
**Subject:** COG Seabiscuit Federal Com #2H (04.02.22) Sampling Notification

Good Morning,

On behalf of COG, Carmona Resources will be collecting confirmation samples at the below-referenced site on 08/11/22 around 11 a.m Mountain Time. Please let me know if you have any questions.

COG Seabiscuit Federal Com #2H (04.02.22)  
Sec 12 T24S R31E Unit N  
32.225779°, -103.732425°  
Eddy County, New Mexico

Mike J. Carmona  
310 West Wall Street, Suite 415  
Midland TX, 79701  
M: 432-813-1992  
[Mcarmona@carmonaresources.com](mailto:Mcarmona@carmonaresources.com)

---

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Tuesday, November 15, 2022 4:43 PM  
**To:** Esparza, Brittany <[Brittany.Esparza@conocophillips.com](mailto:Brittany.Esparza@conocophillips.com)>  
**Subject:** [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 144420

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Brittany Esparza for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2211047151, for the following reasons:

- **Closure Report Denied. The release needs to be sufficiently delineated laterally. Lateral samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Additional lateral delineation is required by points H-3, H-4, and H-5. Please resubmit a revised closure report to the OCD portal by December 15, 2022.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 144420.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Jennifer Nobui  
Environmental Specialist-Advanced  
505-470-3407  
[Jennifer.Nobui@emnrd.nm.gov](mailto:Jennifer.Nobui@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

## APPENDIX D

CARMONA RESOURCES





**Legend**

- 0.50 Mile Radius
- 1.58 Miles
- 1.78 Miles
- GWDB - 55'
- NMSEO Water Well
- Seabiscuit Fed Com 002H (04.02.22)



Seabiscuit Fed Com 002H (04.02.22) GWDB - 55'

850' - Drilled 2021


868' - Drilled 2020





# Ground water Determination Bore Map

COG Operating

Legend

 0.50 Mile Radius

 GWDB - 55'

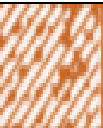











 Seabiscuit Fed Com 002H (04.02.22)







Project Name :	Seabiscuit Federal Com #2H	Date :	Monday, July 18, 2022
Project No. :	1055	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.225909°, -103.732412°	Method :	Air Rotary
Elevation :	3,567		

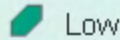
Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		50		(50') - Red to Light Brown hard, clayey sands , no organics, dry (SC).	
5		(5') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		55		(55') - Red to Light Brown hard, clayey sands , no organics, dry (SC).	
10		(10') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		60			
15		(15') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		65			
20		(20') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		70			
25		(25') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		75			
30		(30') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		80			
35		(35') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		85			
40		(40') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		90			
45		(45') - Red to Light Brown hard, clayey sands , no organics, dry (SC).		95			
50				105			

Comments : Boring terminated at 55' with no presence of groundwater or moisture.

Low Karst

COG Operating

Legend



Low



Seabiscuit Fed Com 002H (04.02.22)

Seabiscuit Fed Com 002H (04.02.22)

128

128

128



3 mi



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
<a href="#">C 02405</a>	CUB	ED		4	1	02	24S	31E		617690	3568631*	275	160	115
<a href="#">C 02440</a>	C	ED		2	3	10	24S	31E		616103	3566599*	350		
<a href="#">C 02460</a>	C	ED			3	02	24S	31E		617496	3568022*	320		
<a href="#">C 02460 POD2</a>	C	ED			3	02	24S	31E		617496	3568022*	320		
<a href="#">C 02464</a>	C	ED		2	3	1	02	24S	31E	617645	3568581	320	205	115
<a href="#">C 02661</a>	CUB	ED		3	3	1	04	24S	31E	613969	3568485*	708		
<a href="#">C 02783</a>	CUB	ED		3	3	1	04	24S	31E	613911	3568461	708		
<a href="#">C 02783 POD2</a>	CUB	ED		3	3	1	04	24S	31E	613911	3568461	672		
<a href="#">C 02784</a>	C	ED		4	2	4	04	24S	31E	613911	3568461	584		
<a href="#">C 02785</a>	CUB	ED		3	3	1	04	24S	31E	613969	3568485*	692		
<a href="#">C 04388 POD1</a>	C	ED		3	2	1	23	24S	31E	617546	3564006	910	868	42
<a href="#">C 04499 POD1</a>	CUB	ED		3	4	2	20	24S	31E	613719	3563732	111		
<a href="#">C 04508 POD1</a>	CUB	ED		4	4	3	15	24S	31E	616298	3564493	110		
<a href="#">C 04576 POD1</a>	CUB	ED		1	2	1	23	24S	31E	617700	3564324	910	850	60
<a href="#">C 04593 POD1</a>	CUB	ED		3	4	4	34	24S	31E	616903	3559674	55		

Average Depth to Water: **520 feet**

Minimum Depth: **160 feet**

Maximum Depth: **868 feet**

Record Count: 15

PLSS Search:

Township: 24S

Range: 31E

\*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.

5/8/22 6:07 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04576 POD1	1	2	1	23	24S	31E	617700	3564324

Driller License: 1058

Driller Company: KEY'S DRILLING & PUMP SERVICE

Driller Name: GARY KEY

Drill Start Date: 10/21/2021

Drill Finish Date: 01/19/2022

Plug Date:

Log File Date: 01/20/2022

PCW Rev Date:

Source: Artesian

Pump Type:

Pipe Discharge Size:

Estimated Yield: 35 GPM

Casing Size:

Depth Well: 910 feet

Depth Water: 850 feet

Water Bearing Stratifications:	Top	Bottom	Description
	850	875	Sandstone/Gravel/Conglomerate
	885	905	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	794	910

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



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)		(NAD83 UTM in meters)					
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
22333	C 04388 POD1	3	2	1	23	24S	31E	617546	3564006
<hr/>									
<b>Driller License:</b> 1058		<b>Driller Company:</b>		KEY'S DRILLING & PUMP SERVICE					
<b>Driller Name:</b>		KEY, GARYR.S AICHARDDENAS							
<b>Drill Start Date:</b> 12/18/2019		<b>Drill Finish Date:</b>		02/22/2020		<b>Plug Date:</b>			
<b>Log File Date:</b> 02/27/2020		<b>PCW Rev Date:</b>				<b>Source:</b> Artesian			
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>				<b>Estimated Yield:</b> 60 GPM			
<b>Casing Size:</b> 4.50		<b>Depth Well:</b>		910 feet		<b>Depth Water:</b> 868 feet			
<hr/>									
<b>Water Bearing Stratifications:</b>		<b>Top</b>	<b>Bottom</b>	<b>Description</b>					
		866	868	Limestone/Dolomite/Chalk					
<hr/>									
<b>Casing Perforations:</b>		<b>Top</b>	<b>Bottom</b>						
		850	910						
<hr/>									

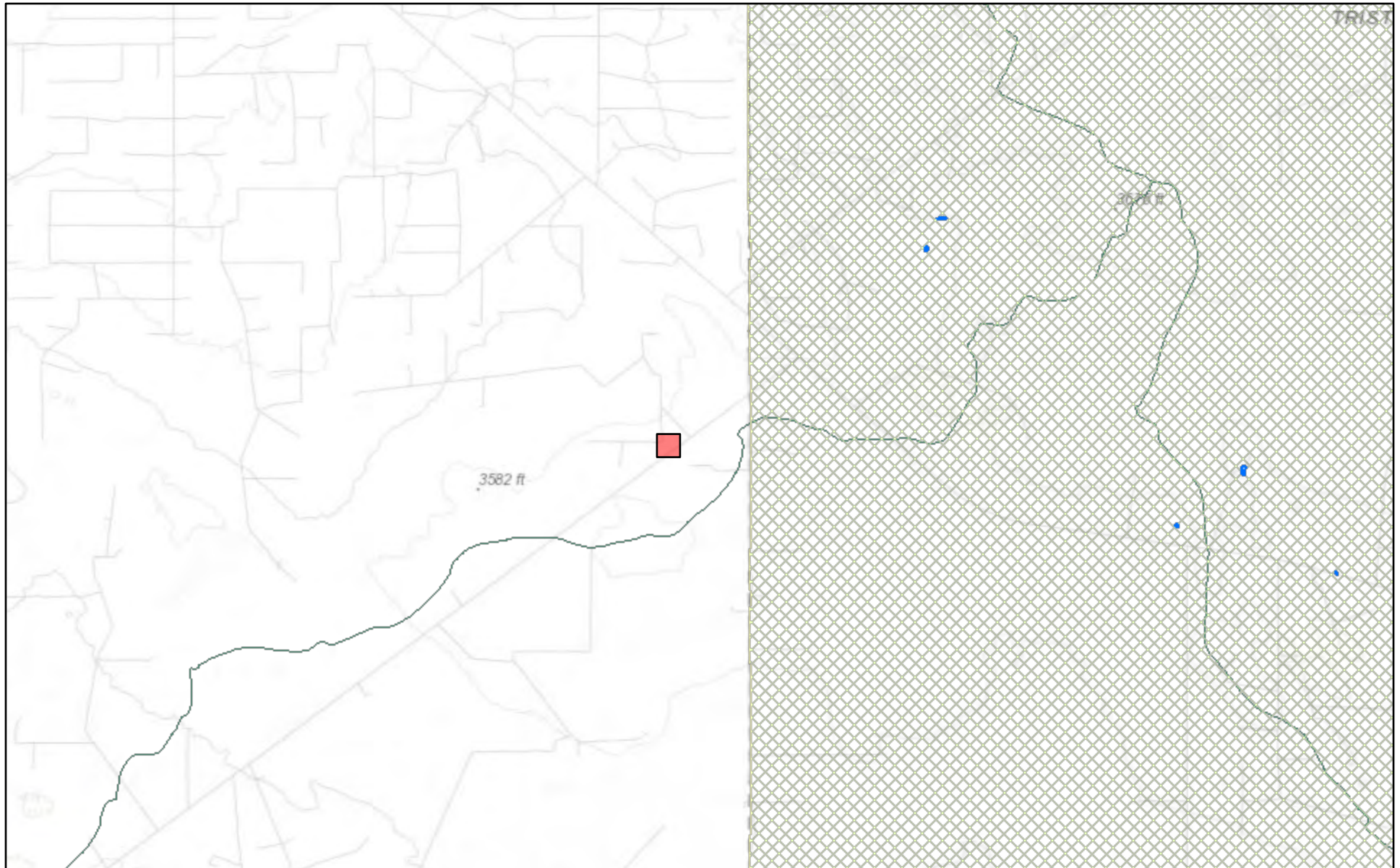
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/8/22 6:07 PM

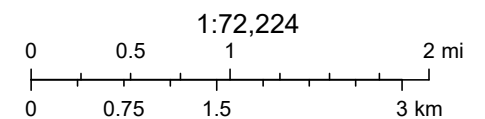
POINT OF DIVERSION SUMMARY



# New Mexico NFHL Data



May 8, 2022



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

nmflood.org is made possible through a collaboration with NMDHSEM,

This is a non-regulatory product for informational use only. Please consult your local floodplain administrator for further information.



## 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: 880-14397-1

Laboratory Sample Delivery Group: Eddy Co, NM

Client Project/Site: Seabiscuit Federal Com #2H (04.02.22)

For:

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

Attn: Conner Moehring

Authorized for release by:  
5/10/2022 3:19:26 PM

Jessica Kramer, Project Manager  
(432)704-5440

[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*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: Seabiscuit Federal Com #2H (04.02.22)

Laboratory Job ID: 880-14397-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
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
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

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

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

**Job ID: 880-14397-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-14397-1**

**Receipt**

The samples were received on 5/4/2022 10:05 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 0.2°C

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-24987 and analytical batch 880-24939 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 880-24982 and analytical batch 880-25025 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.

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

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCSD 880-24946/3-A) and (MB 880-24946/1-A). Evidence of matrix interferences is not obvious.

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

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-24813 and 880-24813 and analytical batch 880-24867 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14397-1

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 06:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 06:10	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 06:10	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/06/22 12:52	05/08/22 06:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 06:10	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/06/22 12:52	05/08/22 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/06/22 12:52	05/08/22 06:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/06/22 12:52	05/08/22 06:10	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			05/09/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7180		250		mg/Kg			05/05/22 14:52	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	<250	U	250		mg/Kg		05/04/22 11:34	05/06/22 03:58	5
Diesel Range Organics (Over C10-C28)	5400		250		mg/Kg		05/04/22 11:34	05/06/22 03:58	5
Oil Range Organics (Over C28-C36)	1780		250		mg/Kg		05/04/22 11:34	05/06/22 03:58	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/04/22 11:34	05/06/22 03:58	5
o-Terphenyl	107		70 - 130	05/04/22 11:34	05/06/22 03:58	5

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	5.00		mg/Kg			05/05/22 22:01	1

Client Sample ID: S-1 (6")

Lab Sample ID: 880-14397-2

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 06:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 06:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 06:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/06/22 12:52	05/08/22 06:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 06:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/06/22 12:52	05/08/22 06:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/06/22 12:52	05/08/22 06:30	1
1,4-Difluorobenzene (Surr)	86		70 - 130	05/06/22 12:52	05/08/22 06:30	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Client Sample ID: S-1 (6")

Lab Sample ID: 880-14397-2

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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			05/09/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8250		250		mg/Kg			05/05/22 14:52	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	<250	U	250		mg/Kg		05/04/22 11:34	05/06/22 04:18	5
Diesel Range Organics (Over C10-C28)	6150		250		mg/Kg		05/04/22 11:34	05/06/22 04:18	5
Oil Range Organics (Over C28-C36)	2100		250		mg/Kg		05/04/22 11:34	05/06/22 04:18	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				05/04/22 11:34	05/06/22 04:18	5
o-Terphenyl	119		70 - 130				05/04/22 11:34	05/06/22 04:18	5

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	288		4.95		mg/Kg			05/05/22 22:20	1

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

Lab Sample ID: 880-14397-3

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 06:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/06/22 12:52	05/08/22 06:51	1
Ethylbenzene	0.00416		0.00199		mg/Kg		05/06/22 12:52	05/08/22 06:51	1
m-Xylene & p-Xylene	0.0152		0.00398		mg/Kg		05/06/22 12:52	05/08/22 06:51	1
o-Xylene	0.00721		0.00199		mg/Kg		05/06/22 12:52	05/08/22 06:51	1
Xylenes, Total	0.0224		0.00398		mg/Kg		05/06/22 12:52	05/08/22 06:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/06/22 12:52	05/08/22 06:51	1
1,4-Difluorobenzene (Surr)	88		70 - 130				05/06/22 12:52	05/08/22 06:51	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0266		0.00398		mg/Kg			05/09/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9800		50.0		mg/Kg			05/05/22 14:52	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	106		50.0		mg/Kg		05/04/22 11:34	05/06/22 04:38	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

## Lab Sample ID: 880-14397-3

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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)	7810		50.0		mg/Kg		05/04/22 11:34	05/06/22 04:38	1
Oil Range Organics (Over C28-C36)	1880		50.0		mg/Kg		05/04/22 11:34	05/06/22 04:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/04/22 11:34	05/06/22 04:38	1
o-Terphenyl	182	S1+	70 - 130				05/04/22 11:34	05/06/22 04:38	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1990		25.0		mg/Kg			05/05/22 22:26	5

## Client Sample ID: S-2 (6")

## Lab Sample ID: 880-14397-4

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 07:11	1
Toluene	0.00613		0.00201		mg/Kg		05/06/22 12:52	05/08/22 07:11	1
Ethylbenzene	0.00333		0.00201		mg/Kg		05/06/22 12:52	05/08/22 07:11	1
m-Xylene & p-Xylene	0.0105		0.00402		mg/Kg		05/06/22 12:52	05/08/22 07:11	1
o-Xylene	0.00542		0.00201		mg/Kg		05/06/22 12:52	05/08/22 07:11	1
Xylenes, Total	0.0159		0.00402		mg/Kg		05/06/22 12:52	05/08/22 07:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				05/06/22 12:52	05/08/22 07:11	1
1,4-Difluorobenzene (Surr)	86		70 - 130				05/06/22 12:52	05/08/22 07:11	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0254		0.00402		mg/Kg			05/09/22 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10400		250		mg/Kg			05/05/22 14:52	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	107		50.0		mg/Kg		05/04/22 11:34	05/06/22 04:59	1
Diesel Range Organics (Over C10-C28)	8040		250		mg/Kg		05/04/22 11:34	05/06/22 08:17	5
Oil Range Organics (Over C28-C36)	2270		50.0		mg/Kg		05/04/22 11:34	05/06/22 04:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/04/22 11:34	05/06/22 04:59	1
o-Terphenyl	227	S1+	70 - 130				05/04/22 11:34	05/06/22 04:59	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Client Sample ID: S-2 (6")

Lab Sample ID: 880-14397-4

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2620		25.1		mg/Kg			05/05/22 22:32	5

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

Lab Sample ID: 880-14397-5

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 07:31	1
Toluene	0.00625		0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:31	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:31	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/06/22 12:52	05/08/22 07:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:31	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/06/22 12:52	05/08/22 07:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	05/06/22 12:52	05/08/22 07:31	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/06/22 12:52	05/08/22 07:31	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00625		0.00396		mg/Kg			05/09/22 15:20	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			05/05/22 14:52	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		05/04/22 11:34	05/06/22 03:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/04/22 11:34	05/06/22 03:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/04/22 11:34	05/06/22 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/04/22 11:34	05/06/22 03:17	1
o-Terphenyl	116		70 - 130	05/04/22 11:34	05/06/22 03:17	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		24.9		mg/Kg			05/05/22 22:39	5

Client Sample ID: S-3 (6")

Lab Sample ID: 880-14397-6

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 07:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:52	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Client Sample ID: S-3 (6")

Lab Sample ID: 880-14397-6

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/06/22 12:52	05/08/22 07:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/06/22 12:52	05/08/22 07:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/06/22 12:52	05/08/22 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				05/06/22 12:52	05/08/22 07:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/06/22 12:52	05/08/22 07:52	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			05/09/22 15:20	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			05/05/22 14:52	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		05/04/22 11:34	05/06/22 03:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 11:34	05/06/22 03:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 11:34	05/06/22 03:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/04/22 11:34	05/06/22 03:37	1
o-Terphenyl	99		70 - 130				05/04/22 11:34	05/06/22 03:37	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1430		24.9		mg/Kg			05/05/22 22:58	5

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

Lab Sample ID: 880-14397-7

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 08:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:12	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/06/22 12:52	05/08/22 08:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:12	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/06/22 12:52	05/08/22 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				05/06/22 12:52	05/08/22 08:12	1
1,4-Difluorobenzene (Surr)	85		70 - 130				05/06/22 12:52	05/08/22 08:12	1

## Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/09/22 15:20	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Client Sample ID: H-1 (0-3")

Lab Sample ID: 880-14397-7

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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			05/05/22 14:52	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		05/04/22 14:31	05/05/22 12:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 12:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/04/22 14:31	05/05/22 12:33	1
o-Terphenyl	106		70 - 130				05/04/22 14:31	05/05/22 12:33	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.99		mg/Kg			05/05/22 23:04	1

## Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14397-8

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 08:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/22 12:52	05/08/22 08:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 08:33	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/22 12:52	05/08/22 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				05/06/22 12:52	05/08/22 08:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130				05/06/22 12:52	05/08/22 08:33	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			05/09/22 15:20	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			05/05/22 14:52	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		05/04/22 14:31	05/05/22 14:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 14:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 14:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/04/22 14:31	05/05/22 14:40	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Client Sample ID: H-2 (0-3")

Lab Sample ID: 880-14397-8

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	101		70 - 130	05/04/22 14:31	05/05/22 14:40	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		5.00		mg/Kg			05/05/22 23:10	1

## Client Sample ID: H-3 (0-3")

Lab Sample ID: 880-14397-9

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 08:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 08:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 08:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/06/22 12:52	05/08/22 08:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 08:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/06/22 12:52	05/08/22 08:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				05/06/22 12:52	05/08/22 08:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/06/22 12:52	05/08/22 08:53	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			05/09/22 15:20	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			05/05/22 14:52	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		05/04/22 14:31	05/05/22 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 15:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/04/22 14:31	05/05/22 15:02	1
o-Terphenyl	98		70 - 130				05/04/22 14:31	05/05/22 15:02	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7870		99.0		mg/Kg			05/05/22 23:17	20

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Client Sample ID: H-4 (0-3")

Lab Sample ID: 880-14397-10

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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		05/06/22 12:52	05/08/22 09:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 09:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 09:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/06/22 12:52	05/08/22 09:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/06/22 12:52	05/08/22 09:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/06/22 12:52	05/08/22 09:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/06/22 12:52	05/08/22 09:13	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/06/22 12:52	05/08/22 09:13	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			05/09/22 15:20	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			05/05/22 14:52	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		05/04/22 14:31	05/05/22 15:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 15:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/04/22 14:31	05/05/22 15:23	1
o-Terphenyl	109		70 - 130	05/04/22 14:31	05/05/22 15:23	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3730		25.2		mg/Kg			05/05/22 23:23	5

Client Sample ID: H-5 (0-3")

Lab Sample ID: 880-14397-11

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201		mg/Kg		05/06/22 13:02	05/06/22 22:01	1
Toluene	<0.00201	U F1	0.00201		mg/Kg		05/06/22 13:02	05/06/22 22:01	1
Ethylbenzene	<0.00201	U F1 F2	0.00201		mg/Kg		05/06/22 13:02	05/06/22 22:01	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		05/06/22 13:02	05/06/22 22:01	1
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		05/06/22 13:02	05/06/22 22:01	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		05/06/22 13:02	05/06/22 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/06/22 13:02	05/06/22 22:01	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/06/22 13:02	05/06/22 22:01	1

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## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Client Sample ID: H-5 (0-3")

Lab Sample ID: 880-14397-11

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

## 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			05/09/22 15:20	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			05/05/22 14:52	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		05/06/22 08:55	05/07/22 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/22 08:55	05/07/22 13:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/22 08:55	05/07/22 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				05/06/22 08:55	05/07/22 13:12	1
o-Terphenyl	120		70 - 130				05/06/22 08:55	05/07/22 13:12	1

## Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3370	F1	25.0		mg/Kg			05/05/22 23:29	5

## Surrogate Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-14397-1	S-1 (0-3")	112	91
880-14397-2	S-1 (6")	118	86
880-14397-3	S-2 (0-3")	120	88
880-14397-4	S-2 (6")	127	86
880-14397-5	S-3 (0-3")	134 S1+	90
880-14397-6	S-3 (6")	121	92
880-14397-7	H-1 (0-3")	121	85
880-14397-8	H-2 (0-3")	123	84
880-14397-9	H-3 (0-3")	120	91
880-14397-10	H-4 (0-3")	120	93
880-14397-11	H-5 (0-3")	117	87
880-14397-11 MS	H-5 (0-3")	117	94
880-14397-11 MSD	H-5 (0-3")	114	94
890-2271-A-61-G MS	Matrix Spike	111	80
890-2271-A-61-H MSD	Matrix Spike Duplicate	117	91
LCS 880-24982/1-A	Lab Control Sample	118	94
LCS 880-24987/1-A	Lab Control Sample	108	94
LCSD 880-24982/2-A	Lab Control Sample Dup	114	92
LCSD 880-24987/2-A	Lab Control Sample Dup	114	95
MB 880-24878/5-A	Method Blank	103	90
MB 880-24939/8	Method Blank	99	91
MB 880-24982/5-A	Method Blank	102	90
MB 880-24987/5-A	Method Blank	104	90
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-14397-1	S-1 (0-3")	96	107
880-14397-2	S-1 (6")	109	119
880-14397-3	S-2 (0-3")	103	182 S1+
880-14397-4	S-2 (6")	111	227 S1+
880-14397-5	S-3 (0-3")	113	116
880-14397-6	S-3 (6")	97	99
880-14397-7	H-1 (0-3")	103	106
880-14397-7 MS	H-1 (0-3")	87	85
880-14397-7 MSD	H-1 (0-3")	85	83
880-14397-8	H-2 (0-3")	98	101
880-14397-9	H-3 (0-3")	93	98
880-14397-10	H-4 (0-3")	104	109
880-14397-11	H-5 (0-3")	108	120
880-14397-11 MS	H-5 (0-3")	102	95
880-14397-11 MSD	H-5 (0-3")	96	90
880-14398-A-5-B MS	Matrix Spike	101	91

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## Surrogate Summary

Client: Carmona Resources

Job ID: 880-14397-1

Project/Site: Seabiscuit Federal Com #2H (04.02.22)

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)
880-14398-A-5-C MSD	Matrix Spike Duplicate	106	95
LCS 880-24807/2-A	Lab Control Sample	114	113
LCS 880-24832/2-A	Lab Control Sample	109	106
LCS 880-24946/2-A	Lab Control Sample	114	123
LCSD 880-24807/3-A	Lab Control Sample Dup	106	105
LCSD 880-24832/3-A	Lab Control Sample Dup	107	108
LCSD 880-24946/3-A	Lab Control Sample Dup	136 S1+	145 S1+
MB 880-24807/1-A	Method Blank	121	132 S1+
MB 880-24832/1-A	Method Blank	90	98
MB 880-24946/1-A	Method Blank	120	141 S1+
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-24878/5-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/05/22 11:41	05/07/22 14:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/05/22 11:41	05/07/22 14:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/05/22 11:41	05/07/22 14:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/05/22 11:41	05/07/22 14:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/05/22 11:41	05/07/22 14:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/05/22 11:41	05/07/22 14:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/05/22 11:41	05/07/22 14:47	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/05/22 11:41	05/07/22 14:47	1

Lab Sample ID: MB 880-24939/8

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg			05/06/22 11:04	1
Toluene	<0.00200	U	0.00200		mg/Kg			05/06/22 11:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			05/06/22 11:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			05/06/22 11:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			05/06/22 11:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			05/06/22 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/06/22 11:04	1
1,4-Difluorobenzene (Surr)	91		70 - 130		05/06/22 11:04	1

Lab Sample ID: MB 880-24982/5-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 01:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/22 12:52	05/08/22 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 12:52	05/08/22 01:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/22 12:52	05/08/22 01:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	05/06/22 12:52	05/08/22 01:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/06/22 12:52	05/08/22 01:23	1

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-24982/1-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08345		mg/Kg		83	70 - 130
Toluene	0.100	0.09252		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09916		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2039		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-24982/2-A

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24982

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08154		mg/Kg		82	70 - 130	2	35
Toluene	0.100	0.09275		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.1010		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2085		mg/Kg		104	70 - 130	2	35
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-2271-A-61-G MS

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 24982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.101	0.02738	F1	mg/Kg		27	70 - 130
Toluene	<0.00201	U F1	0.101	0.03964	F1	mg/Kg		39	70 - 130
Ethylbenzene	<0.00201	U F1	0.101	0.04586	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.09355	F1	mg/Kg		46	70 - 130
o-Xylene	<0.00201	U F1	0.101	0.05194	F1	mg/Kg		51	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Lab Sample ID: 890-2271-A-61-H MSD

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24982

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.101	0.04665	F1 F2	mg/Kg		46	70 - 130	52	35
Toluene	<0.00201	U F1	0.101	0.05560	F1	mg/Kg		55	70 - 130	34	35
Ethylbenzene	<0.00201	U F1	0.101	0.06090	F1	mg/Kg		60	70 - 130	28	35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 890-2271-A-61-H MSD

Matrix: Solid

Analysis Batch: 25025

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24982

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.1271	F1	mg/Kg		63	70 - 130	30	35
o-Xylene	<0.00201	U F1	0.101	0.06751	F1	mg/Kg		67	70 - 130	26	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	117		70 - 130								
1,4-Difluorobenzene (Surr)	91		70 - 130								

Lab Sample ID: MB 880-24987/5-A

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/06/22 13:02	05/06/22 21:40	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/06/22 13:02	05/06/22 21:40	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/06/22 13:02	05/06/22 21:40	1

Lab Sample ID: LCS 880-24987/1-A

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.07850		mg/Kg		79	70 - 130		
Toluene	0.100	0.08329		mg/Kg		83	70 - 130		
Ethylbenzene	0.100	0.08965		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene	0.200	0.1836		mg/Kg		92	70 - 130		
o-Xylene	0.100	0.09398		mg/Kg		94	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	108		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: LCSD 880-24987/2-A

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24987

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07366		mg/Kg		74	70 - 130	6	35
Toluene	0.100	0.07878		mg/Kg		79	70 - 130	6	35
Ethylbenzene	0.100	0.08464		mg/Kg		85	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1736		mg/Kg		87	70 - 130	6	35
o-Xylene	0.100	0.09023		mg/Kg		90	70 - 130	4	35

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-14397-11 MS

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: H-5 (0-3")

Prep Type: Total/NA

Prep Batch: 24987

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.100	0.03992	F1	mg/Kg		40	70 - 130
Toluene	<0.00201	U F1	0.100	0.04472	F1	mg/Kg		45	70 - 130
Ethylbenzene	<0.00201	U F1 F2	0.100	0.04628	F1	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.09946	F1	mg/Kg		50	70 - 130
o-Xylene	<0.00201	U F1	0.100	0.05188	F1	mg/Kg		52	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-14397-11 MSD

Matrix: Solid

Analysis Batch: 24939

Client Sample ID: H-5 (0-3")

Prep Type: Total/NA

Prep Batch: 24987

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U F1 F2	0.0994	0.05892	F1 F2	mg/Kg		59	70 - 130	38	35
Toluene	<0.00201	U F1	0.0994	0.06378	F1	mg/Kg		64	70 - 130	35	35
Ethylbenzene	<0.00201	U F1 F2	0.0994	0.06872	F1 F2	mg/Kg		69	70 - 130	39	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1391		mg/Kg		70	70 - 130	33	35
o-Xylene	<0.00201	U F1	0.0994	0.07164		mg/Kg		72	70 - 130	32	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-24807/1-A

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/04/22 11:34	05/05/22 20:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 11:34	05/05/22 20:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 11:34	05/05/22 20:25	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	121		70 - 130	05/04/22 11:34	05/05/22 20:25	1			
o-Terphenyl	132	S1+	70 - 130	05/04/22 11:34	05/05/22 20:25	1			

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-24807/2-A

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1194		mg/Kg		119	70 - 130
Diesel Range Organics (Over C10-C28)	1000	982.6		mg/Kg		98	70 - 130
<b>Surrogate</b>	<b>%Recovery</b>	<b>LCS Qualifier</b>	<b>Limits</b>				
1-Chlorooctane	114		70 - 130				
o-Terphenyl	113		70 - 130				

Lab Sample ID: LCSD 880-24807/3-A

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24807

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1023		mg/Kg		102	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	869.1		mg/Kg		87	70 - 130	12	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>LCSD Qualifier</b>	<b>Limits</b>						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: 880-14398-A-5-B MS

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 24807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1224		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	919.6		mg/Kg		92	70 - 130
<b>Surrogate</b>	<b>%Recovery</b>	<b>MS Qualifier</b>	<b>Limits</b>						
1-Chlorooctane	101		70 - 130						
o-Terphenyl	91		70 - 130						

Lab Sample ID: 880-14398-A-5-C MSD

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24807

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1294		mg/Kg		127	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	991.4		mg/Kg		99	70 - 130	8	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>Limits</b>								
1-Chlorooctane	106		70 - 130								

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14398-A-5-C MSD

Matrix: Solid

Analysis Batch: 24860

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 24807

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	95		70 - 130

Lab Sample ID: MB 880-24832/1-A

Matrix: Solid

Analysis Batch: 24856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24832

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 11:02	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 11:02	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/04/22 14:31	05/05/22 11:02	1	
	MB	MB								
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	90		70 - 130				05/04/22 14:31	05/05/22 11:02	1	
<i>o</i> -Terphenyl	98		70 - 130				05/04/22 14:31	05/05/22 11:02	1	

Lab Sample ID: LCS 880-24832/2-A

Matrix: Solid

Analysis Batch: 24856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24832

		Spike	LCS	LCS				%Rec		
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10		1000	1034		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)		1000	1088		mg/Kg		109	70 - 130		
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	109		70 - 130							
<i>o</i> -Terphenyl	106		70 - 130							

Lab Sample ID: LCSD 880-24832/3-A

Matrix: Solid

Analysis Batch: 24856

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24832

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	894.7		mg/Kg		89	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	983.9		mg/Kg		98	70 - 130	10	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	108		70 - 130								

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14397-7 MS

Matrix: Solid

Analysis Batch: 24856

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

Prep Type: Total/NA

Prep Batch: 24832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	817.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	905.9		mg/Kg		88	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	85		70 - 130						

Lab Sample ID: 880-14397-7 MSD

Matrix: Solid

Analysis Batch: 24856

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

Prep Type: Total/NA

Prep Batch: 24832

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	787.9		mg/Kg		79	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	884.1		mg/Kg		86	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	85		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: MB 880-24946/1-A

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 24946

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/06/22 08:55	05/07/22 12:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/06/22 08:55	05/07/22 12:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/06/22 08:55	05/07/22 12:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130				05/06/22 08:55	05/07/22 12:08	1
o-Terphenyl	141	S1+	70 - 130				05/06/22 08:55	05/07/22 12:08	1

Lab Sample ID: LCS 880-24946/2-A

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1181		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1078		mg/Kg		108	70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: LCS 880-24946/2-A

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 24946

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: LCSD 880-24946/3-A

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 24946

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1303		mg/Kg		130	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1203		mg/Kg		120	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	145	S1+	70 - 130

Lab Sample ID: 880-14397-11 MS

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: H-5 (0-3")

Prep Type: Total/NA

Prep Batch: 24946

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1147		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	996.2		mg/Kg		100	70 - 130

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

Lab Sample ID: 880-14397-11 MSD

Matrix: Solid

Analysis Batch: 25017

Client Sample ID: H-5 (0-3")

Prep Type: Total/NA

Prep Batch: 24946

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1137		mg/Kg		114	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	868.4		mg/Kg		87	70 - 130	14	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	90		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-24813/1-A

Matrix: Solid

Analysis Batch: 24867

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/05/22 21:42	1

Lab Sample ID: LCS 880-24813/2-A

Matrix: Solid

Analysis Batch: 24867

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	242.7		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-24813/3-A

Matrix: Solid

Analysis Batch: 24867

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	267.1		mg/Kg		107	90 - 110	10	20

Lab Sample ID: 880-14397-1 MS

Matrix: Solid

Analysis Batch: 24867

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	250	457.3		mg/Kg		99	90 - 110

Lab Sample ID: 880-14397-1 MSD

Matrix: Solid

Analysis Batch: 24867

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

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	250	423.7	F1	mg/Kg		85	90 - 110	8	20

Lab Sample ID: 880-14397-11 MS

Matrix: Solid

Analysis Batch: 24867

Client Sample ID: H-5 (0-3")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3370	F1	1250	5171	F1	mg/Kg		144	90 - 110

Lab Sample ID: 880-14397-11 MSD

Matrix: Solid

Analysis Batch: 24867

Client Sample ID: H-5 (0-3")

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3370	F1	1250	4886	F1	mg/Kg		121	90 - 110	6	20

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## QC Association Summary

Client: Carmona Resources

Job ID: 880-14397-1

Project/Site: Seabiscuit Federal Com #2H (04.02.22)

SDG: Eddy Co, NM

## GC VOA

## Prep Batch: 24878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24878/5-A	Method Blank	Total/NA	Solid	5035	

## Analysis Batch: 24939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-11	H-5 (0-3")	Total/NA	Solid	8021B	24987
MB 880-24939/8	Method Blank	Total/NA	Solid	8021B	
MB 880-24987/5-A	Method Blank	Total/NA	Solid	8021B	24987
LCS 880-24987/1-A	Lab Control Sample	Total/NA	Solid	8021B	24987
LCSD 880-24987/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24987
880-14397-11 MS	H-5 (0-3")	Total/NA	Solid	8021B	24987
880-14397-11 MSD	H-5 (0-3")	Total/NA	Solid	8021B	24987

## Prep Batch: 24982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	5035	
880-14397-2	S-1 (6")	Total/NA	Solid	5035	
880-14397-3	S-2 (0-3")	Total/NA	Solid	5035	
880-14397-4	S-2 (6")	Total/NA	Solid	5035	
880-14397-5	S-3 (0-3")	Total/NA	Solid	5035	
880-14397-6	S-3 (6")	Total/NA	Solid	5035	
880-14397-7	H-1 (0-3")	Total/NA	Solid	5035	
880-14397-8	H-2 (0-3")	Total/NA	Solid	5035	
880-14397-9	H-3 (0-3")	Total/NA	Solid	5035	
880-14397-10	H-4 (0-3")	Total/NA	Solid	5035	
MB 880-24982/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24982/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24982/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2271-A-61-G MS	Matrix Spike	Total/NA	Solid	5035	
890-2271-A-61-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Prep Batch: 24987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-11	H-5 (0-3")	Total/NA	Solid	5035	
MB 880-24987/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-24987/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-24987/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-14397-11 MS	H-5 (0-3")	Total/NA	Solid	5035	
880-14397-11 MSD	H-5 (0-3")	Total/NA	Solid	5035	

## Analysis Batch: 25025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	8021B	24982
880-14397-2	S-1 (6")	Total/NA	Solid	8021B	24982
880-14397-3	S-2 (0-3")	Total/NA	Solid	8021B	24982
880-14397-4	S-2 (6")	Total/NA	Solid	8021B	24982
880-14397-5	S-3 (0-3")	Total/NA	Solid	8021B	24982
880-14397-6	S-3 (6")	Total/NA	Solid	8021B	24982
880-14397-7	H-1 (0-3")	Total/NA	Solid	8021B	24982
880-14397-8	H-2 (0-3")	Total/NA	Solid	8021B	24982
880-14397-9	H-3 (0-3")	Total/NA	Solid	8021B	24982
880-14397-10	H-4 (0-3")	Total/NA	Solid	8021B	24982

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## GC VOA (Continued)

## Analysis Batch: 25025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24878/5-A	Method Blank	Total/NA	Solid	8021B	24878
MB 880-24982/5-A	Method Blank	Total/NA	Solid	8021B	24982
LCS 880-24982/1-A	Lab Control Sample	Total/NA	Solid	8021B	24982
LCSD 880-24982/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	24982
890-2271-A-61-G MS	Matrix Spike	Total/NA	Solid	8021B	24982
890-2271-A-61-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	24982

## Analysis Batch: 25138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-2	S-1 (6")	Total/NA	Solid	Total BTEX	
880-14397-3	S-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-4	S-2 (6")	Total/NA	Solid	Total BTEX	
880-14397-5	S-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-6	S-3 (6")	Total/NA	Solid	Total BTEX	
880-14397-7	H-1 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-8	H-2 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-9	H-3 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-10	H-4 (0-3")	Total/NA	Solid	Total BTEX	
880-14397-11	H-5 (0-3")	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 24807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-2	S-1 (6")	Total/NA	Solid	8015NM Prep	
880-14397-3	S-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-4	S-2 (6")	Total/NA	Solid	8015NM Prep	
880-14397-5	S-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-6	S-3 (6")	Total/NA	Solid	8015NM Prep	
MB 880-24807/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24807/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14398-A-5-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-14398-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 24832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-7	H-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-8	H-2 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-9	H-3 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-10	H-4 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-24832/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24832/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24832/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14397-7 MS	H-1 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-7 MSD	H-1 (0-3")	Total/NA	Solid	8015NM Prep	

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## GC Semi VOA

## Analysis Batch: 24856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-7	H-1 (0-3")	Total/NA	Solid	8015B NM	24832
880-14397-8	H-2 (0-3")	Total/NA	Solid	8015B NM	24832
880-14397-9	H-3 (0-3")	Total/NA	Solid	8015B NM	24832
880-14397-10	H-4 (0-3")	Total/NA	Solid	8015B NM	24832
MB 880-24832/1-A	Method Blank	Total/NA	Solid	8015B NM	24832
LCS 880-24832/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24832
LCSD 880-24832/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24832
880-14397-7 MS	H-1 (0-3")	Total/NA	Solid	8015B NM	24832
880-14397-7 MSD	H-1 (0-3")	Total/NA	Solid	8015B NM	24832

## Analysis Batch: 24860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	8015B NM	24807
880-14397-2	S-1 (6")	Total/NA	Solid	8015B NM	24807
880-14397-3	S-2 (0-3")	Total/NA	Solid	8015B NM	24807
880-14397-4	S-2 (6")	Total/NA	Solid	8015B NM	24807
880-14397-4	S-2 (6")	Total/NA	Solid	8015B NM	24807
880-14397-5	S-3 (0-3")	Total/NA	Solid	8015B NM	24807
880-14397-6	S-3 (6")	Total/NA	Solid	8015B NM	24807
MB 880-24807/1-A	Method Blank	Total/NA	Solid	8015B NM	24807
LCS 880-24807/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24807
LCSD 880-24807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24807
880-14398-A-5-B MS	Matrix Spike	Total/NA	Solid	8015B NM	24807
880-14398-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	24807

## Analysis Batch: 24912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Total/NA	Solid	8015 NM	
880-14397-2	S-1 (6")	Total/NA	Solid	8015 NM	
880-14397-3	S-2 (0-3")	Total/NA	Solid	8015 NM	
880-14397-4	S-2 (6")	Total/NA	Solid	8015 NM	
880-14397-5	S-3 (0-3")	Total/NA	Solid	8015 NM	
880-14397-6	S-3 (6")	Total/NA	Solid	8015 NM	
880-14397-7	H-1 (0-3")	Total/NA	Solid	8015 NM	
880-14397-8	H-2 (0-3")	Total/NA	Solid	8015 NM	
880-14397-9	H-3 (0-3")	Total/NA	Solid	8015 NM	
880-14397-10	H-4 (0-3")	Total/NA	Solid	8015 NM	
880-14397-11	H-5 (0-3")	Total/NA	Solid	8015 NM	

## Prep Batch: 24946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-11	H-5 (0-3")	Total/NA	Solid	8015NM Prep	
MB 880-24946/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-24946/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-24946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-14397-11 MS	H-5 (0-3")	Total/NA	Solid	8015NM Prep	
880-14397-11 MSD	H-5 (0-3")	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 25017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-11	H-5 (0-3")	Total/NA	Solid	8015B NM	24946

Eurofins Midland

## QC Association Summary

Client: Carmona Resources  
 Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
 SDG: Eddy Co, NM

## GC Semi VOA (Continued)

## Analysis Batch: 25017 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-24946/1-A	Method Blank	Total/NA	Solid	8015B NM	24946
LCS 880-24946/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	24946
LCSD 880-24946/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	24946
880-14397-11 MS	H-5 (0-3")	Total/NA	Solid	8015B NM	24946
880-14397-11 MSD	H-5 (0-3")	Total/NA	Solid	8015B NM	24946

## HPLC/IC

## Leach Batch: 24813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14397-2	S-1 (6")	Soluble	Solid	DI Leach	
880-14397-3	S-2 (0-3")	Soluble	Solid	DI Leach	
880-14397-4	S-2 (6")	Soluble	Solid	DI Leach	
880-14397-5	S-3 (0-3")	Soluble	Solid	DI Leach	
880-14397-6	S-3 (6")	Soluble	Solid	DI Leach	
880-14397-7	H-1 (0-3")	Soluble	Solid	DI Leach	
880-14397-8	H-2 (0-3")	Soluble	Solid	DI Leach	
880-14397-9	H-3 (0-3")	Soluble	Solid	DI Leach	
880-14397-10	H-4 (0-3")	Soluble	Solid	DI Leach	
880-14397-11	H-5 (0-3")	Soluble	Solid	DI Leach	
MB 880-24813/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-24813/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-24813/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-14397-1 MS	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14397-1 MSD	S-1 (0-3")	Soluble	Solid	DI Leach	
880-14397-11 MS	H-5 (0-3")	Soluble	Solid	DI Leach	
880-14397-11 MSD	H-5 (0-3")	Soluble	Solid	DI Leach	

## Analysis Batch: 24867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-14397-1	S-1 (0-3")	Soluble	Solid	300.0	24813
880-14397-2	S-1 (6")	Soluble	Solid	300.0	24813
880-14397-3	S-2 (0-3")	Soluble	Solid	300.0	24813
880-14397-4	S-2 (6")	Soluble	Solid	300.0	24813
880-14397-5	S-3 (0-3")	Soluble	Solid	300.0	24813
880-14397-6	S-3 (6")	Soluble	Solid	300.0	24813
880-14397-7	H-1 (0-3")	Soluble	Solid	300.0	24813
880-14397-8	H-2 (0-3")	Soluble	Solid	300.0	24813
880-14397-9	H-3 (0-3")	Soluble	Solid	300.0	24813
880-14397-10	H-4 (0-3")	Soluble	Solid	300.0	24813
880-14397-11	H-5 (0-3")	Soluble	Solid	300.0	24813
MB 880-24813/1-A	Method Blank	Soluble	Solid	300.0	24813
LCS 880-24813/2-A	Lab Control Sample	Soluble	Solid	300.0	24813
LCSD 880-24813/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	24813
880-14397-1 MS	S-1 (0-3")	Soluble	Solid	300.0	24813
880-14397-1 MSD	S-1 (0-3")	Soluble	Solid	300.0	24813
880-14397-11 MS	H-5 (0-3")	Soluble	Solid	300.0	24813
880-14397-11 MSD	H-5 (0-3")	Soluble	Solid	300.0	24813

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

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

Lab Sample ID: 880-14397-1

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 06:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			24860	05/06/22 03:58	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		1			24867	05/05/22 22:01	CH	XEN MID

Client Sample ID: S-1 (6")

Lab Sample ID: 880-14397-2

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 06:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			24860	05/06/22 04:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		1			24867	05/05/22 22:20	CH	XEN MID

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

Lab Sample ID: 880-14397-3

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 06:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24860	05/06/22 04:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 22:26	CH	XEN MID

Client Sample ID: S-2 (6")

Lab Sample ID: 880-14397-4

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 07:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Client Sample ID: S-2 (6")

## Lab Sample ID: 880-14397-4

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24860	05/06/22 04:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			24860	05/06/22 08:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 22:32	CH	XEN MID

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

## Lab Sample ID: 880-14397-5

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 07:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24860	05/06/22 03:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 22:39	CH	XEN MID

## Client Sample ID: S-3 (6")

## Lab Sample ID: 880-14397-6

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 07:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24807	05/04/22 11:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24860	05/06/22 03:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 22:58	CH	XEN MID

## Client Sample ID: H-1 (0-3")

## Lab Sample ID: 880-14397-7

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 08:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID

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## Lab Chronicle

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Client Sample ID: H-1 (0-3")

## Lab Sample ID: 880-14397-7

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 12:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		1			24867	05/05/22 23:04	CH	XEN MID

## Client Sample ID: H-2 (0-3")

## Lab Sample ID: 880-14397-8

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 08:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 14:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		1			24867	05/05/22 23:10	CH	XEN MID

## Client Sample ID: H-3 (0-3")

## Lab Sample ID: 880-14397-9

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 08:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		20			24867	05/05/22 23:17	CH	XEN MID

## Client Sample ID: H-4 (0-3")

## Lab Sample ID: 880-14397-10

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24982	05/06/22 12:52	MR	XEN MID
Total/NA	Analysis	8021B		1			25025	05/08/22 09:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24832	05/04/22 14:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			24856	05/05/22 15:23	AJ	XEN MID

Eurofins Midland

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

## Client Sample ID: H-4 (0-3")

## Lab Sample ID: 880-14397-10

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 23:23	CH	XEN MID

## Client Sample ID: H-5 (0-3")

## Lab Sample ID: 880-14397-11

Date Collected: 05/03/22 00:00

Matrix: Solid

Date Received: 05/04/22 10:05

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	24987	05/06/22 13:02	MR	XEN MID
Total/NA	Analysis	8021B		1			24939	05/06/22 22:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			25138	05/09/22 15:20	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			24912	05/05/22 14:52	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	24946	05/06/22 08:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1			25017	05/07/22 13:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	24813	05/04/22 12:05	SC	XEN MID
Soluble	Analysis	300.0		5			24867	05/05/22 23:29	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: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
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: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
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



## Sample Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-14397-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-14397-1	S-1 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-2	S-1 (6")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-3	S-2 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-4	S-2 (6")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-5	S-3 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-6	S-3 (6")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-7	H-1 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-8	H-2 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-9	H-3 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-10	H-4 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05
880-14397-11	H-5 (0-3")	Solid	05/03/22 00:00	05/04/22 10:05

- 1
- 2
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- 13
- 14

Work Order No: 14397

Page 1 of 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	jacqui.harris@conocophillips.com

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

Project Name	Seabiscuit Federal Com #2H (04 02 22)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number	1055															None NO	DI Water H <sub>2</sub> O
Project Location	Eddy Co, NM	Due Date	72 Hrs													Cool Cool	MeOH Me
Sampler's Name	CRM															HCL HC	HNO <sub>3</sub> HN
PG #:																H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>	NaOH Na
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No											H <sub>3</sub> PO <sub>4</sub> HP	
Received Intact:	Yes No	Thermometer ID														NaHSO <sub>4</sub> NABIS	
Cooler Custody Seals:	Yes No	Correction Factor														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>	
Sample Custody Seals	Yes No	Temperature Reading														Zn Acetate+NaOH Zn	
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments									
S-1 (0-3")	5/3/2022		X		G	1	BTEX 8021B																			
S-1 (6")	5/3/2022		X		G	1	TPH 8015M ( GRO + DRO + MRO)																			
S-2 (0-3")	5/3/2022		X		G	1	Chloride 300 0																			
S-2 (6")	5/3/2022		X		G	1																				
S-3 (0-3")	5/3/2022		X		G	1																				
S-3 (6")	5/3/2022		X		G	1																				
H-1 (0-6")	5/3/2022		X		G	1																				
H-2 (0-6")	5/3/2022		X		G	1																				
H-3 (0-6")	5/3/2022		X		G	1																				
H-4 (0-6")	5/3/2022		X		G	1																				
H-5 (0-6")	5/3/2022		X		G	1																				

Comments:



880-14397 Chain of Custody

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
<i>Conner Moehring</i>	5/4/22 10:05	<i>Jacqui Harris</i>	

## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-14397-1

SDG Number: Eddy Co, NM

Login Number: 14397

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



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

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August 12, 2022

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: SEABISCUIT FEDERAL COM #2H

Enclosed are the results of analyses for samples received by the laboratory on 08/11/22 14:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://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 style with a large, stylized 'C' and 'K'.

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: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 1 ( 1' ) (H223657-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	2.02	101	2.00	1.64	
Toluene*	<0.050	0.050	08/11/2022	ND	2.12	106	2.00	1.81	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.17	108	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.67	111	6.00	0.697	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	96.0	16.0	08/12/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 43-149

Surrogate: 1-Chlorooctadecane 95.2 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 2 ( 1' ) (H223657-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	2.02	101	2.00	1.64		
Toluene*	<0.050	0.050	08/11/2022	ND	2.12	106	2.00	1.81		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.17	108	2.00	1.37		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.67	111	6.00	0.697		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	144	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 ( 1' ) (H223657-03)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	2.02	101	2.00	1.64	
Toluene*	<0.050	0.050	08/11/2022	ND	2.12	106	2.00	1.81	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.17	108	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.67	111	6.00	0.697	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	08/12/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 43-149

Surrogate: 1-Chlorooctadecane 98.9 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 ( 1' ) (H223657-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	2.02	101	2.00	1.64	
Toluene*	<0.050	0.050	08/11/2022	ND	2.12	106	2.00	1.81	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.17	108	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.67	111	6.00	0.697	
Total BTEx	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	112	16.0	08/12/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 5 ( 1' ) (H223657-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.02	101	2.00	1.64		
Toluene*	<0.050	0.050	08/12/2022	ND	2.12	106	2.00	1.81		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.17	108	2.00	1.37		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.67	111	6.00	0.697		
Total BTX	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	64.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 6 ( 1' ) (H223657-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	2.02	101	2.00	1.64		
Toluene*	<0.050	0.050	08/12/2022	ND	2.12	106	2.00	1.81		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.17	108	2.00	1.37		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.67	111	6.00	0.697		
Total BTX	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	80.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/11/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 96.8 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 7 ( 1' ) (H223657-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	2.02	101	2.00	1.64	
Toluene*	<0.050	0.050	08/12/2022	ND	2.12	106	2.00	1.81	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	2.17	108	2.00	1.37	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.67	111	6.00	0.697	
Total BTEx	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	32.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 8 ( 1' ) (H223657-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2022	ND	1.94	96.8	2.00	0.159	
Toluene*	<0.050	0.050	08/12/2022	ND	2.00	100	2.00	0.277	
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	1.99	99.6	2.00	2.93	
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.26	104	6.00	4.37	
Total BTEX	<0.300	0.300	08/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	48.0	16.0	08/12/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 ( 1' ) (H223657-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	1.94	96.8	2.00	0.159		
Toluene*	<0.050	0.050	08/12/2022	ND	2.00	100	2.00	0.277		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	1.99	99.6	2.00	2.93		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.26	104	6.00	4.37		
Total BTEx	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 ( 1' ) (H223657-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	1.94	96.8	2.00	0.159		
Toluene*	<0.050	0.050	08/12/2022	ND	2.00	100	2.00	0.277		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	1.99	99.6	2.00	2.93		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.26	104	6.00	4.37		
Total BTEx	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	08/12/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 ( 1' ) (H223657-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	1.94	96.8	2.00	0.159		
Toluene*	<0.050	0.050	08/12/2022	ND	2.00	100	2.00	0.277		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	1.99	99.6	2.00	2.93		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.26	104	6.00	4.37		
Total BTEx	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 42.5-161

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**Analytical Results For:**

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

Received: 08/11/2022  
 Reported: 08/12/2022  
 Project Name: SEABISCUIT FEDERAL COM #2H  
 Project Number: 1055 ( 04.02.22 )  
 Project Location: COG - EDDY CO NM

Sampling Date: 08/11/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 ( 1' ) (H223657-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2022	ND	1.94	96.8	2.00	0.159		
Toluene*	<0.050	0.050	08/12/2022	ND	2.00	100	2.00	0.277		
Ethylbenzene*	<0.050	0.050	08/12/2022	ND	1.99	99.6	2.00	2.93		
Total Xylenes*	<0.150	0.150	08/12/2022	ND	6.26	104	6.00	4.37		
Total BTEx	<0.300	0.300	08/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	08/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2022	ND	219	109	200	1.95	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	203	102	200	3.26	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 43-149

Surrogate: 1-Chlorooctadecane 95.5 % 42.5-161

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### 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

Work Order No: 4223457

Page 1 of 2

Project Manager:						Conner Moehring																
Company Name:						Carmona Resources																
Address:						310 W Wall St Ste 415 Midland, TX 79701																
City, State ZIP:																						
Phone:						432-813-6823																
Email:						jacqui.harris@conocophillips.com																
Bill to: (if different)						Jacqui Harris																
COG						C/O G																
Address:						15 W London Rd Loving, NM 88256																
City, State ZIP:																						
Work Order Comments																						
Program: UST/PST PRP Rowfields RC [ ] Deepfund [ ] State of Project: Reporting Level II [ ] Level III ST/UST RRP Level IV [ ] Deliverables: EDD [ ] ADAPT [ ] Other: [ ]																						
ANALYSIS REQUEST																						
Project Name:						Seabiscuit Federal Com #2H (04.02.22)			Turn Around			Pres. Code										
Project Number:						1055			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush													
Project Location:						Eddy Co., NM			Due Date:			24 Hrs										
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:			N/A			-0.1°C							
Cooler Custody Seals:						Yes No N/A			Correction Factor:			N/A			4.0°C							
Sample Custody Seals:						Yes No N/A			Temperature Reading:			N/A			4.0°C							
Total Containers:									Corrected Temperature:			4.0°C										
Sample Identification						Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO )	Chloride 4500								
CS-1 (1')						8/11/2022		X		C	1	X	X	X								
CS-2 (1')						8/11/2022		X		C	1	X	X	X								
CS-3 (1')						8/11/2022		X		C	1	X	X	X								
CS-4 (1')						8/11/2022		X		C	1	X	X	X								
CS-5 (1')						8/11/2022		X		C	1	X	X	X								
CS-6 (1')						8/11/2022		X		C	1	X	X	X								
CS-7 (1')						8/11/2022		X		C	1	X	X	X								
CS-8 (1')						8/11/2022		X		C	1	X	X	X								
SW-1 (1')						8/11/2022		X		C	1	X	X	X								
SW-2 (1')						8/11/2022		X		C	1	X	X	X								
Comments:																						
Relinquished by: (Signature) <i>[Signature]</i>													Date/Time 8/11/22 1452			Received by: (Signature) <i>[Signature]</i>			Date/Time 8/11/22 1452			



## Chain of Custody

Work Order No: 1723457

Page 2 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Jacqui Harris
Company Name:	Carmora 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:	<a href="mailto:jacqui.harris@conocophillips.com">jacqui.harris@conocophillips.com</a>

Work Order Comments	
<b>Program:</b> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
<b>State of Project:</b>	
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"/>	
<b>Deliverables:</b> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Seabiscuit Federal Com #2H (04.02.22)	Turn Around		ANALYSIS REQUEST										Preservative Codes				
Project Number:	1055	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush												None: NO	DI Water: H <sub>2</sub> O		
Project Location:	Eddy Co. NM	Due Date:	24 Hrs												Cool: Cool	MeOH: Me		
Sampler's Name:	CRM	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO <sub>3</sub> : HN		
PO #:															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											HOLD	
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	113														NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.162														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NASO <sub>3</sub>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	4.162														Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	4.02														NaOH+Ascorbic Acid: SAPC	

[illegible]

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Erin Ingold</i>	8/11/22 1452	<i>Stadkiewicz</i>	8.11.22 1452



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Conner Moehring  
Carmona Resources  
310 W Wall St  
Ste 415  
Midland, Texas 79701

Generated 12/7/2022 12:18:14 PM

## JOB DESCRIPTION

Seabiscuit Federal Com #2H (04.02.22)  
SDG NUMBER Eddy Co NM

## JOB NUMBER

880-22352-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

**Eurofins Midland****Job Notes**

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

**Authorization**

Generated  
12/7/2022 12:18:14 PM

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



Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Laboratory Job ID: 880-22352-1  
SDG: Eddy Co NM

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## Definitions/Glossary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

## Qualifiers

## GC VOA

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

## GC Semi VOA

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

## HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

## Glossary

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

## Case Narrative

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

**Job ID: 880-22352-1**

**Laboratory: Eurofins Midland**

**Narrative**

**Job Narrative  
880-22352-1**

**Receipt**

The samples were received on 12/6/2022 1:03 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

**GC VOA**

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

**GC Semi VOA**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (880-22243-A-22-B). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: H-3 (0-6") (880-22352-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

**HPLC/IC**

Method 300\_ORGFM\_28D: Samples ran within hold time.H-3 (0-6") (880-22352-1), H-4 (0-6") (880-22352-2) and H-5 (0-6") (880-22352-3)

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: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

Client Sample ID: H-3 (0-6")

Lab Sample ID: 880-22352-1

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/07/22 09:16	12/07/22 12:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/07/22 09:16	12/07/22 12:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/07/22 09:16	12/07/22 12:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/07/22 09:16	12/07/22 12:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/07/22 09:16	12/07/22 12:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/07/22 09:16	12/07/22 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	12/07/22 09:16	12/07/22 12:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/07/22 09:16	12/07/22 12:02	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/07/22 12:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/22 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 03:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 03:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	12/06/22 15:00	12/07/22 03:54	1
o-Terphenyl	126		70 - 130	12/06/22 15:00	12/07/22 03:54	1

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.7	H	0.500		mg/Kg			12/07/22 00:28	1

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22352-2

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/22 09:16	12/07/22 12:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/22 09:16	12/07/22 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/07/22 09:16	12/07/22 12:22	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/07/22 09:16	12/07/22 12:22	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

Client Sample ID: H-4 (0-6")

Lab Sample ID: 880-22352-2

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/07/22 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/06/22 15:00	12/07/22 04:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/22 15:00	12/07/22 04:16	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/22 15:00	12/07/22 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				12/06/22 15:00	12/07/22 04:16	1
o-Terphenyl	118		70 - 130				12/06/22 15:00	12/07/22 04:16	1

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.2	H	0.500		mg/Kg			12/07/22 00:36	1

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-22352-3

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/07/22 09:16	12/07/22 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/07/22 09:16	12/07/22 12:42	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/07/22 09:16	12/07/22 12:42	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/07/22 13:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/07/22 09:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 04:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 04:38	1

Eurofins Midland

## Client Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

Client Sample ID: H-5 (0-6")

Lab Sample ID: 880-22352-3

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/06/22 15:00	12/07/22 04:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	12/06/22 15:00	12/07/22 04:38	1
o-Terphenyl	121		70 - 130	12/06/22 15:00	12/07/22 04:38	1

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.05	H	0.500		mg/Kg			12/07/22 00:44	1



## Surrogate Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
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)
880-22352-1	H-3 (0-6")	115	101
880-22352-1 MS	H-3 (0-6")	102	114
880-22352-1 MSD	H-3 (0-6")	102	119
880-22352-2	H-4 (0-6")	100	105
880-22352-3	H-5 (0-6")	102	106
LCS 880-40641/1-A	Lab Control Sample	97	111
LCSD 880-40641/2-A	Lab Control Sample Dup	96	116
MB 880-40641/5-A	Method Blank	82	100
<b>Surrogate Legend</b>			
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)
880-22243-A-22-C MS	Matrix Spike	117	97
880-22243-A-22-D MSD	Matrix Spike Duplicate	118	98
880-22352-1	H-3 (0-6")	131 S1+	126
880-22352-2	H-4 (0-6")	126	118
880-22352-3	H-5 (0-6")	123	121
LCS 880-41142/2-A	Lab Control Sample	128	114
LCSD 880-41142/3-A	Lab Control Sample Dup	109	113
MB 880-41142/1-A	Method Blank	109	110
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

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

Lab Sample ID: MB 880-40641/5-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40641

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/29/22 09:16	12/07/22 11:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/29/22 09:16	12/07/22 11:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/29/22 09:16	12/07/22 11:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/29/22 09:16	12/07/22 11:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/29/22 09:16	12/07/22 11:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/29/22 09:16	12/07/22 11:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	11/29/22 09:16	12/07/22 11:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/29/22 09:16	12/07/22 11:40	1

Lab Sample ID: LCS 880-40641/1-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09342		mg/Kg		93	70 - 130
Toluene	0.100	0.08359		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.07983		mg/Kg		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1630		mg/Kg		82	70 - 130
o-Xylene	0.100	0.08217		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-40641/2-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40641

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1165		mg/Kg		117	70 - 130	22	35
Toluene	0.100	0.09996		mg/Kg		100	70 - 130	18	35
Ethylbenzene	0.100	0.09697		mg/Kg		97	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.1952		mg/Kg		98	70 - 130	18	35
o-Xylene	0.100	0.09498		mg/Kg		95	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: 880-22352-1 MS

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: H-3 (0-6")

Prep Type: Total/NA

Prep Batch: 40641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.0996	0.1040		mg/Kg		104	70 - 130
Toluene	<0.00201	U	0.0996	0.09168		mg/Kg		92	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

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

Lab Sample ID: 880-22352-1 MS

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: H-3 (0-6")

Prep Type: Total/NA

Prep Batch: 40641

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.0996	0.09094		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1829		mg/Kg		92	70 - 130
o-Xylene	<0.00201	U	0.0996	0.08962		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-22352-1 MSD

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: H-3 (0-6")

Prep Type: Total/NA

Prep Batch: 40641

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.100	0.1129		mg/Kg		112	70 - 130	8	35
Toluene	<0.00201	U	0.100	0.09632		mg/Kg		96	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.100	0.09439		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene	<0.00402	U	0.201	0.1932		mg/Kg		96	70 - 130	5	35
o-Xylene	<0.00201	U	0.100	0.09459		mg/Kg		94	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

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

Lab Sample ID: MB 880-41142/1-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41142

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		12/06/22 10:12	12/06/22 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/06/22 10:12	12/06/22 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/06/22 10:12	12/06/22 20:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/06/22 10:12	12/06/22 20:18	1
o-Terphenyl	110		70 - 130	12/06/22 10:12	12/06/22 20:18	1

Lab Sample ID: LCS 880-41142/2-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	867.2		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	841.6		mg/Kg		84	70 - 130

Eurofins Midland

## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

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

Lab Sample ID: LCS 880-41142/2-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41142

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-41142/3-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41142

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	998.7		mg/Kg		100	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	841.9		mg/Kg		84	70 - 130	0	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 880-22243-A-22-C MS

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 41142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	853.6		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	902.6		mg/Kg		90	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-22243-A-22-D MSD

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 41142

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	822.8		mg/Kg		80	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	918.3		mg/Kg		92	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	98		70 - 130

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## QC Sample Results

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41115/1-A

Matrix: Solid

Analysis Batch: 41165

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			12/06/22 20:40	1

Lab Sample ID: LCS 880-41115/2-A

Matrix: Solid

Analysis Batch: 41165

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	239.8		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-41115/3-A

Matrix: Solid

Analysis Batch: 41165

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	240.1		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-22290-A-1-H MS

Matrix: Solid

Analysis Batch: 41165

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	803		500	1306		mg/Kg		101	90 - 110

Lab Sample ID: 880-22290-A-1-I MSD

Matrix: Solid

Analysis Batch: 41165

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	803		500	1307		mg/Kg		101	90 - 110	0	20

## QC Association Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

## GC VOA

## Prep Batch: 40641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	5035	
880-22352-2	H-4 (0-6")	Total/NA	Solid	5035	
880-22352-3	H-5 (0-6")	Total/NA	Solid	5035	
MB 880-40641/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-40641/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-40641/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-22352-1 MS	H-3 (0-6")	Total/NA	Solid	5035	
880-22352-1 MSD	H-3 (0-6")	Total/NA	Solid	5035	

## Analysis Batch: 41222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	8021B	40641
880-22352-2	H-4 (0-6")	Total/NA	Solid	8021B	40641
880-22352-3	H-5 (0-6")	Total/NA	Solid	8021B	40641
MB 880-40641/5-A	Method Blank	Total/NA	Solid	8021B	40641
LCS 880-40641/1-A	Lab Control Sample	Total/NA	Solid	8021B	40641
LCSD 880-40641/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	40641
880-22352-1 MS	H-3 (0-6")	Total/NA	Solid	8021B	40641
880-22352-1 MSD	H-3 (0-6")	Total/NA	Solid	8021B	40641

## Analysis Batch: 41290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	Total BTEX	
880-22352-2	H-4 (0-6")	Total/NA	Solid	Total BTEX	
880-22352-3	H-5 (0-6")	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Analysis Batch: 41104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	8015B NM	41142
880-22352-2	H-4 (0-6")	Total/NA	Solid	8015B NM	41142
880-22352-3	H-5 (0-6")	Total/NA	Solid	8015B NM	41142
MB 880-41142/1-A	Method Blank	Total/NA	Solid	8015B NM	41142
LCS 880-41142/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	41142
LCSD 880-41142/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	41142
880-22243-A-22-C MS	Matrix Spike	Total/NA	Solid	8015B NM	41142
880-22243-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	41142

## Prep Batch: 41142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	8015NM Prep	
880-22352-2	H-4 (0-6")	Total/NA	Solid	8015NM Prep	
880-22352-3	H-5 (0-6")	Total/NA	Solid	8015NM Prep	
MB 880-41142/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-41142/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-41142/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-22243-A-22-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-22243-A-22-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland



## QC Association Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

## GC Semi VOA

## Analysis Batch: 41234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Total/NA	Solid	8015 NM	
880-22352-2	H-4 (0-6")	Total/NA	Solid	8015 NM	
880-22352-3	H-5 (0-6")	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 41115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-41115/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-41115/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-41115/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 41165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-22352-1	H-3 (0-6")	Soluble	Solid	300.0	
880-22352-2	H-4 (0-6")	Soluble	Solid	300.0	
880-22352-3	H-5 (0-6")	Soluble	Solid	300.0	
MB 880-41115/1-A	Method Blank	Soluble	Solid	300.0	41115
LCS 880-41115/2-A	Lab Control Sample	Soluble	Solid	300.0	41115
LCSD 880-41115/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	41115
880-22290-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	
880-22290-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	

## Lab Chronicle

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

## Client Sample ID: H-3 (0-6")

## Lab Sample ID: 880-22352-1

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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	40641	12/07/22 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41222	12/07/22 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41290	12/07/22 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			41234	12/07/22 09:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	41142	12/06/22 15:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41104	12/07/22 03:54	SM	EET MID
Soluble	Analysis	300.0		1			41165	12/07/22 00:28	CH	EET MID

## Client Sample ID: H-4 (0-6")

## Lab Sample ID: 880-22352-2

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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	40641	12/07/22 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41222	12/07/22 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41290	12/07/22 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			41234	12/07/22 09:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	41142	12/06/22 15:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41104	12/07/22 04:16	SM	EET MID
Soluble	Analysis	300.0		1			41165	12/07/22 00:36	CH	EET MID

## Client Sample ID: H-5 (0-6")

## Lab Sample ID: 880-22352-3

Date Collected: 12/06/22 00:00

Matrix: Solid

Date Received: 12/06/22 13:03

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	40641	12/07/22 09:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	41222	12/07/22 12:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			41290	12/07/22 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			41234	12/07/22 09:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	41142	12/06/22 15:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	41104	12/07/22 04:38	SM	EET MID
Soluble	Analysis	300.0		1			41165	12/07/22 00:44	CH	EET MID

## Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
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	T104704400-22-24	06-30-23
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
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: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

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

## Protocol References:

ASTM = ASTM International

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:

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

Sample Summary

Client: Carmona Resources  
Project/Site: Seabiscuit Federal Com #2H (04.02.22)

Job ID: 880-22352-1  
SDG: Eddy Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-22352-1	H-3 (0-6")	Solid	12/06/22 00:00	12/06/22 13:03
880-22352-2	H-4 (0-6")	Solid	12/06/22 00:00	12/06/22 13:03
880-22352-3	H-5 (0-6")	Solid	12/06/22 00:00	12/06/22 13:03

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

2535


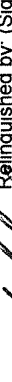
Page 1 of 1

Page _____ of _____	
<b>Work Order Comments</b>	
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"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other _____

Project 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	jacqui.harris@conocophillips.com	

[illegible]

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	1303 1216		12/16
			1303



## Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-22352-1

SDG Number: Eddy Co NM

Login Number: 22352

List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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

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

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

CONDITIONS  
  
Action 166591

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 166591
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/9/2023