CARMONA RESOURCES

SITE INFORMATION

Deferral Report
Denton Battery
Incident # NAPP2234733155
Lea County, New Mexico
Unit G Sec 11 T15S R37E
33.033673°, -103.169921°

Crude Oil Release
Cause of Release: Tank Overflow
Release Date: 12/09/2022
Volume Released: 13 barrels of Crude Oil
Volume Recovered: 12 barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Fasken Oil and Ranch, Ltd
6101 Holiday Hill Road
Midland, TX 79707

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

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

March 1, 2023

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, New Mexico 87505

Re: Deferral Report
Denton Battery
Fasken Oil and Ranch, Ltd.
Incident # NAPP2234733155
Site Location: Unit G, S11, T15S, R37E
(Lat 33.033673º, Long -103.169921º)
Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd. (Fasken), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Denton Battery. This site is located at 33.033673°, -103.169921° within Unit G, S11, T15S, R37E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 9, 2022, caused by a tank overflowing due to a failed electrical sensor. It released approximately thirteen (13) barrels of crude oil, and twelve (12) barrels were recovered. The impacted area was on the pad, inside the firewall. See Figure 3. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, two known water sources are within a 0.50-mile radius of the location; however, they were not drilled within the last 25 years. The nearest identified well is located approximately 0.06 miles East of the site in Section 11 and was drilled in 1951. The well has a reported depth to groundwater of 40’ below ground surface (ft bgs). The next nearest well is located approximately 0.25 miles Southeast of the site in Section 11 and was drilled in 1951. The well has a reported depth to groundwater of 50’ ft bgs. A copy of the associated Point of Diversion Summary report is attached in Appendix C.

Groundwater gauging data collected in 2020 from NMOSE wells L-13629 POD 7 through POD 14 and POD 16 suggests a minimum groundwater depth of 69’ bgs. While older data collected within a 0.50-mile radius of the site suggests a shallower depth to groundwater, data collected more than 25 years ago is considered outdated and does not affect the site characterization. Guidance for this decision can be found in section (IX)(a) of Procedures for Implementation of the Spill Rule (19.15.29 NMAC): "If nearby wells are used, it is preferable if they are situated within ½-mile of the release, the water level information is no more than 25 years old, and well construction information is provided."

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

CARMONA RESOURCES

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: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg.

4.0 Site Assessment Activities

On January 11, 2022, and February 13, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) soil sample points and seven (7) horizontal samples were advanced to depths ranging from the surface to 1.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent before encountering a dense cemented rock layer. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D.

The results from the sampling event are summarized in Table 1. Due to the dense rock, the areas of S-1, S-2, and S-3 were not vertically defined.

Deferral Area

The areas of soil samples (S-1, S-2, & S-3) showed high TPH and chloride concentrations. TPH concentrations range from 501 mg/kg to 1,650 mg/kg. Chloride concentrations ranged from 1,230 mg/kg to 1,970 mg/kg. Refer to Table 1. The deferment areas above the regulatory limits are shown in Figure 4. Once the equipment is removed, those areas with be evaluated further.

All horizontal samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

5.0 Conclusions

Based on the dense lithology in the area, the multiple buried and surface lines, safety, and active facility equipment, Fasken requests to defer the TPH and chloride impact from areas near facility equipment until the facility is removed. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

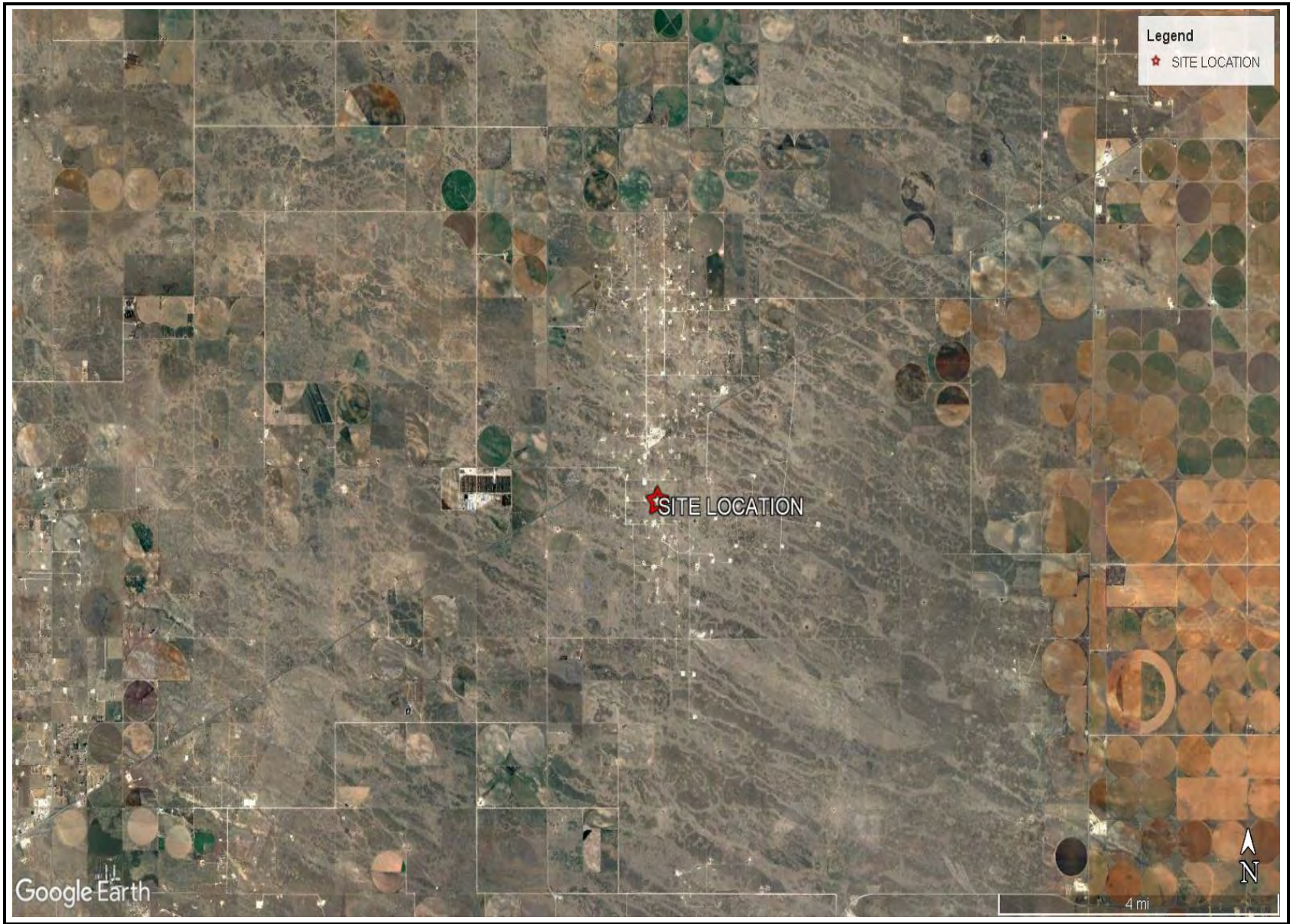
Carmona Resources, LLC

Mike Carmona
Environmental Manager

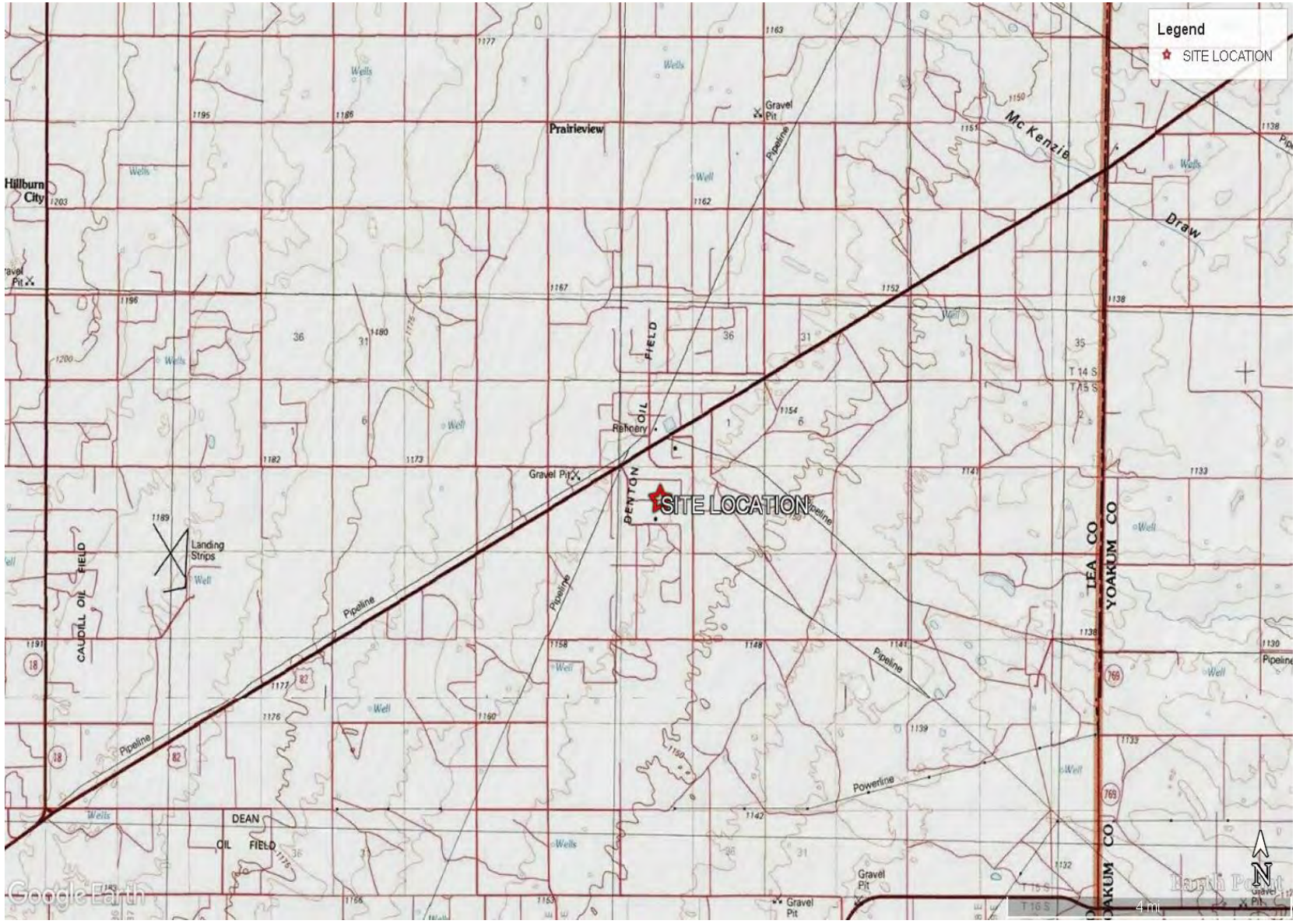
Ashton Thielke
Sr. Project Manager

FIGURES

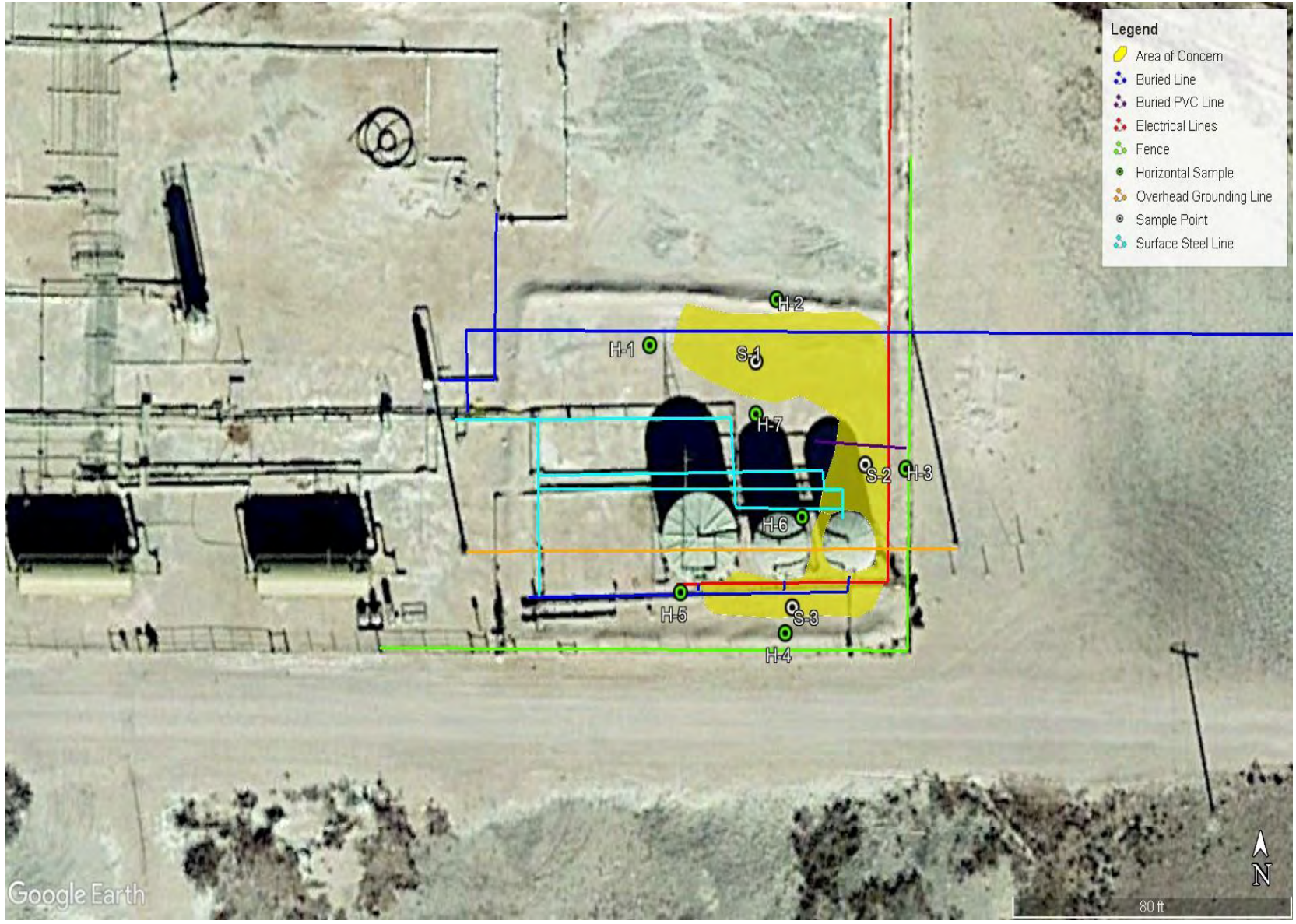
CARMONA RESOURCES



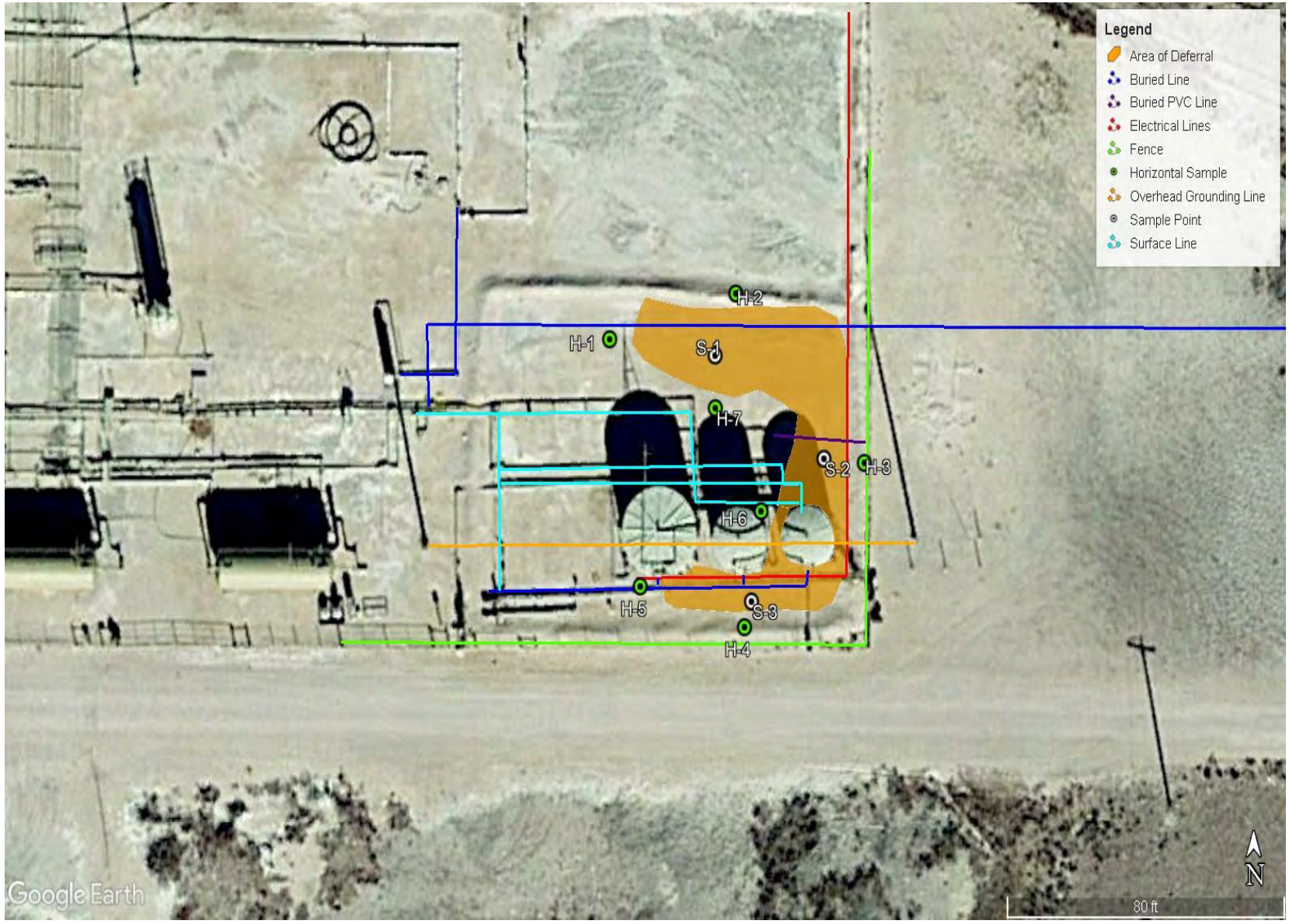
SITE OVERVIEW MAP FASKEN OIL & RANCH DENTON BATTERY LEA COUNTY, NEW MEXICO 33.033673, -103.169921	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP FASKEN OIL & RANCH DENTON BATTERY LEA COUNTY, NEW MEXICO 33.033673, -103.169921	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP FASKEN OIL & RANCH DENTON BATTERY LEA COUNTY, NEW MEXICO 33.033673, -103.169921	CARMONA RESOURCES	FIGURE 3



DEFERRAL MAP FASKEN OIL & RANCH DENTON BATTERY LEA COUNTY, NEW MEXICO 33.033673, -103.169921	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil and Ranch
Denton Battery (12.09.22)
Lea 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						
S-1	2/13/2023	0-1	<49.9	774	284	1,060	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,970
	"	1.5	<49.9	889	293	1,180	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,230
S-2	2/13/2023	0-1	<50.0	**1,060**	377	1,440	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	1,900
	"	1.5	<49.8	811	239	1,050	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,970
S-3	2/13/2023	0-1	<49.9	383	119	502	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,290
	"	1.5	<50.0	**1,260**	387	1,650	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,980
H-1	1/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<5.05
H-2	1/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<4.99
H-3	1/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<5.01
H-4	1/11/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.00
H-5	1/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<5.02
H-6	1/11/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<5.01
H-7	1/11/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<5.00
Regulatory Criteria [A]			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft-feet
(H) Horizontal Sample
(S) Soil Sample

Exceeds

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Fasken Oil and Ranch

Photograph No. 1

Facility: Denton Battery

County: Lea County, New Mexico

Description:
View South of Soil Sample (S-1).

Photograph No. 2

Facility: Denton Battery

County: Lea County, New Mexico

Description:
View South of Soil Sample (S-2).

Photograph No. 3

Facility: Denton Battery

County: Lea County, New Mexico

Description:
View Southeast of Soil Sample (S-2).

CARMONA RESOURCES

PHOTOGRAPHIC LOG

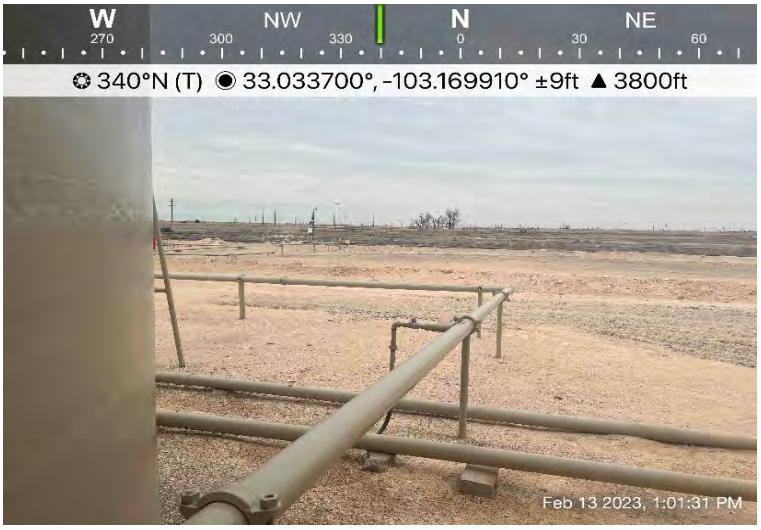
Fasken Oil and Ranch

Photograph No. 4

Facility: Denton Battery

County: Lea County, New Mexico

Description:
View South of Soil Samples (S-1 and S-2).



Photograph No. 5

Facility: Denton Battery

County: Lea County, New Mexico

Description:
View Southeast of Soil Sample (S-3).

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	nAPP2234733155
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Fasken Oil and Ranch, Ltd.	OGRID 151416
Contact Name Addison Guelker	Contact Telephone 432-687-1777
Contact email addisong@forl.com	Incident # *(assigned by OCD)* *nAPP2234733155*
Contact mailing address 6101 Holiday Hill Road, Midland TX 79707	

Location of Release Source

Latitude 33.033673 Longitude -103.169921
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Denton Battery	Site Type Battery
Date Release Discovered 12/09/22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
G	11	15S	37E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* Darr Angell)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 13	Volume Recovered (bbls) 12
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Tank overflow – Electrical issue caused alarms to not go off.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2231843021
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Addison Guelker Title: Environmental Tech

Signature: [signature] Date: 12/13/22

email: addisong@forl.com Telephone: 432-687-1777

OCD Only

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

****** LIQUID SPILLS - VOLUME CALCULATIONS ******

Location of spill: Denton Battery **Date of Spill:** 9-Dec-2022

If the leak/spill is associated with production equipment, i.e. - wellhead, stuffing box, flowline, tank battery, production vessel, transfer pump, or storage tank **place an "X" here:** X

Input Data:

	OIL:	WATER:
If spill volumes from measurement, i.e. metering, tank volumes, etc. are known enter the volumes here:	0.0 BBL	0.0 BBL

If "known" spill volumes are given, input data for the following "Area Calculations" is optional. The above will override the calculated volumes.

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	22 ft		58 ft	X	3.00 in	100%
Rectangle Area #2	36 ft	X	17 ft	X	3.00 in	100%
Rectangle Area #3	4 ft	X	52 ft	X	3.00 in	100%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Standing Liquid Calculations

Standing Liquid Area	width		length		liquid depth	oil (%)
Rectangle Area #1	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

okay

production system leak - DAILY PRODUCTION DATA REQUIRED

Average Daily Production: Oil 0 BBL Water 0 BBL 0 Gas (MCFD)

Total Hydrocarbon Content in gas: 0% (percentage)

Did leak occur before the separator?: YES N/A *(place an "X")*

H2S Content in Produced Gas: 0 PPM

H2S Content in Tank Vapors: 0 PPM

Amount of Free Liquid Recovered: 0 BBL okay

Percentage of Oil in Free Liquid Recovered: 0% (percentage)

Liquid holding factor *: 0.14 gal per gal

Use the following when the spill wets the grains of the soil.
* Sand = **0.08** gallon (gal.) liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.14** gal. liquid per gal. volume of soil.
* Sandy clay loam soil = **0.14** gal liquid per gal. volume of soil.
* Clay loam = **0.16** gal. liquid per gal. volume of soil.

Use the following when the liquid completely fills the pore space of the soil:
Occurs when the spill soaked soil is contained by barriers, natural (or not).
* Clay loam = **0.20** gal. liquid per gal. volume of soil.
* Gravelly (caliche) loam = **0.25** gal. liquid per gal. volume of soil.
* Sandy loam = **0.5** gal. liquid per gal. volume of soil.

Total Solid/Liquid Volume: 2,096 sq. ft. cu. ft. 524 cu. ft.

Total Free Liquid Volume: sq. ft. cu. ft. cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	0.0 BBL	13.1 BBL
Free Liquid:	0.0 BBL	0.0 BBL
Totals:	**0.0 BBL**	**13.1 BBL**
Total Liquid Spill Liquid:	**0.0 BBL**	**13.07 BBL**

Estimated Production Volumes Lost

	H2O	OIL
Estimated Production Spilled:	0.0 BBL	0.0 BBL

Estimated Surface Damage

Surface Area: 2,096 sq. ft.

Surface Area: .0481 acre

Recovered Volumes

Estimated oil recovered: BBL check - okay

Estimated water recovered: BBL check - okay

Estimated Weights, and Volumes

Saturated Soil = 58,688 lbs 524 cu. ft. 19 cu. yds.

Total Liquid = 13 BBL 549 gallon 4,565 lbs

Air Emission from flowline leaks:

Volume of oil spill:	-	BBL
Separator gas calculated:	-	MCF
Separator gas released:	-	MCF
Gas released from oil:	-	lb
H2S released:	-	lb
Total HC gas released:	-	lb
Total HC gas released:	-	MCF

Air Emission of Reporting Requirements:

	New Mexico	Texas
HC gas release reportable?	NO	NO
H2S release reportable?	NO	NO

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

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

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 166428
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	12/13/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2234733155
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: Addison Guelker Title: Environmental Tech

Signature: Date: 03/02/23

email: addisong@forl.com Telephone: (432) 687-1777

OCD Only

Received by: Jocelyn Harimon Date: 3/2/23

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2234733155
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Addison Guelker Title: Environmental Tech

Signature: [signature] Date: 03/02/23

email: addisong@forl.com Telephone: (432) 687-1777

OCD Only

Received by: Jocelyn Harimon Date: 03/02/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Jennifer Nobui Date: 03/10/2023

APPENDIX D

CARMONA RESOURCES

From: David Boyer
To: Aaron Pachlhofer
Cc: Rebecca Pons
Subject: Fasken SWD #2 information
Date: Tuesday, October 08, 2019 6:39:05 PM
Attachments: Fasken SWD #2 Nearby Water Well Map.pdf

Aaron,

Attached is a map of nearby wells with depth to water and distance from SWD #2.

Some dates are greater than 30 years old, but are include to show water levels were greater than 50 feet at that time. Water levels in the Lea County ground water basin are declining everywhere to pumping, mainly for agriculture. These have been documented historically by numerous USGS and NM State Engineer Studies.

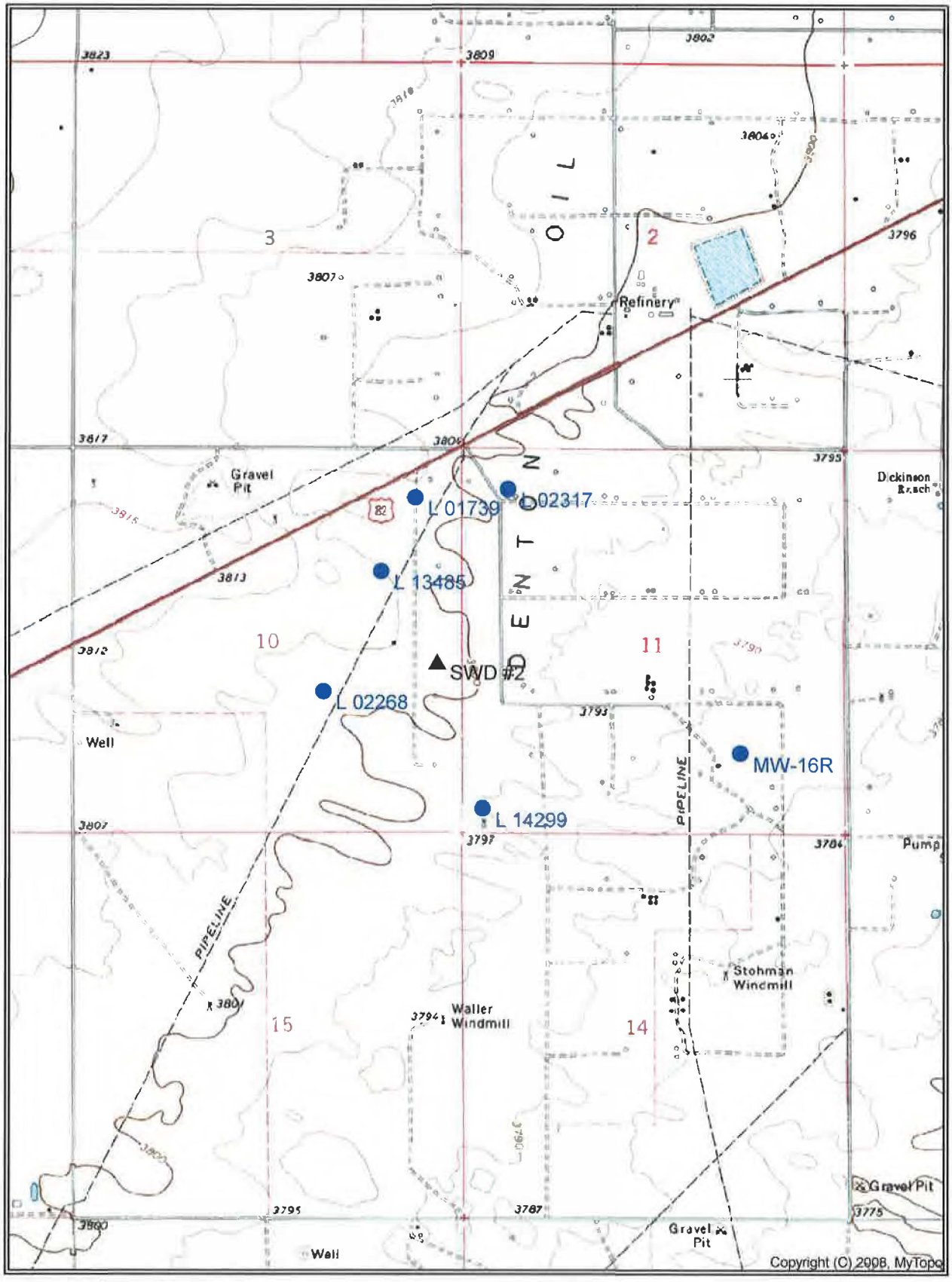
Monitor Well MW-16R is located at site of your Trunkline release and was sampled by me on Monday September 30, 2019

Well ID	Date	DTW (ft.)	Distance (miles)
L 01739	03/1953	55	0.43
L 02268	06/1953	55	0.31
L 02317	08/1953	65	0.48
L 13485	12/2013	103	0.27
L 14299	08/2017	84	0.40
MW-16R	09/2019	67.85	0.82

Also attached is a map composite of all the sampling locations at the SWD #2.

Rebecca should be able to help you if you have additional questions.

David G. Boyer, P.G.
Hydrogeologist
Safety & Environmental Solutions, Inc.
703 East Clinton St.
P.O. Box 1613
Hobbs, New Mexico 88241
(575) 397-0510 (office)
(575) 393-4388 (fax)
(575) 390-7067 (cell)
dgboyer@sesi-nm.com



SCALE 1:24000

0 1000 2000 3000 4000 5000 6000

FEET

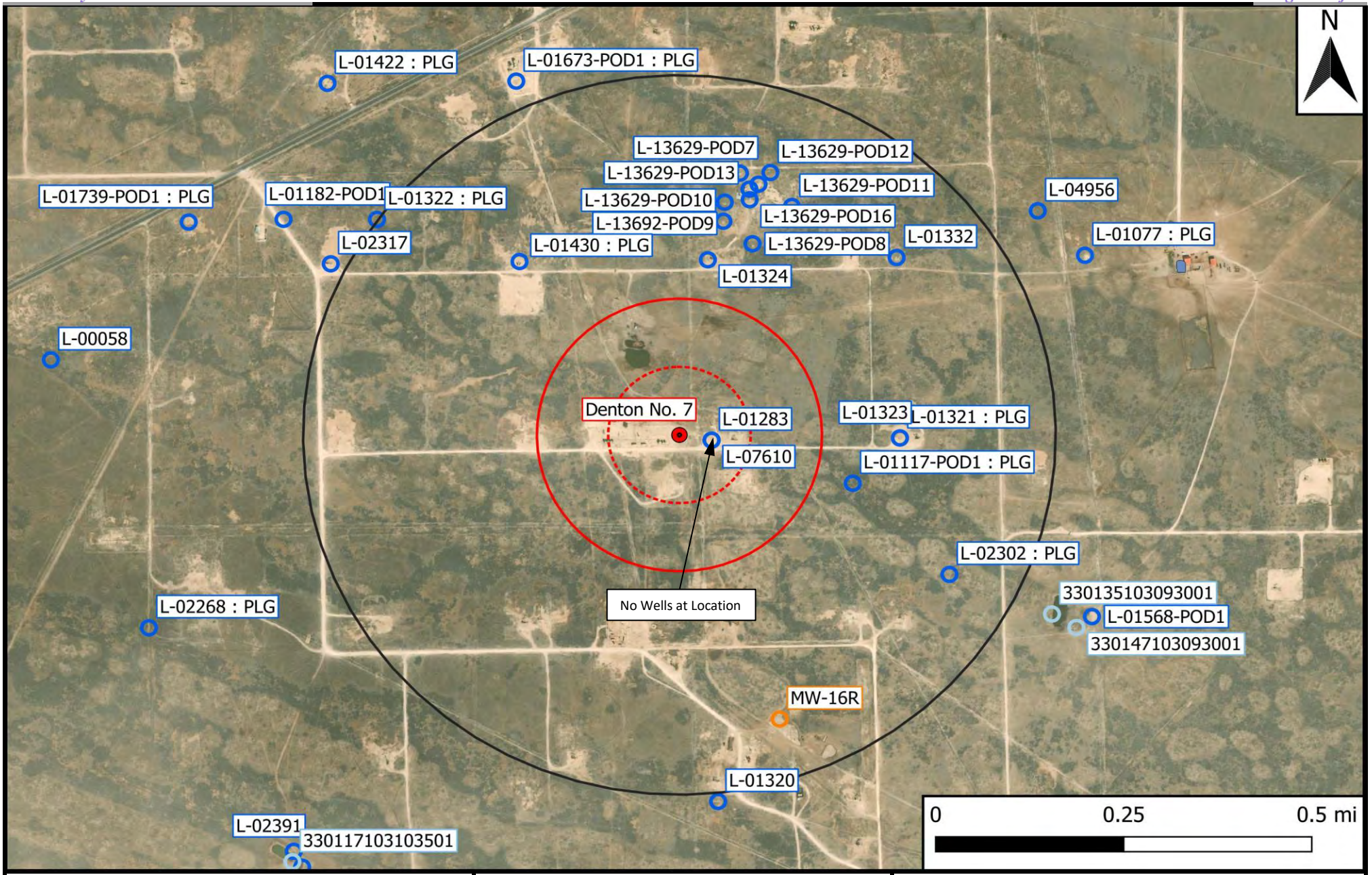
From: Camille J Bryant
To: Aaron Pachlhofer
Subject: DTW
Date: Wednesday, November 07, 2018 4:22:50 PM

Aaron,

As per our discussion this morning regarding depth to groundwater in Section 2, T15S, R37E in Lea County, New Mexico, the depth to water in this area should approximately 70 to 75 feet bgs. This depth is based on monitor wells in the area.

Thanks,

Camille J. Bryant
Remediation Supervisor
Plains All American
505 N. Big Spring, Suite 600
Midland, Texas 79701
Office: 432.221.7924
Cell: 575.441.1099



Legend

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Other
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Aerial Proximity Map
Fasken Oil and Ranch, Ltd.
Denton
GPS: 33.033834, -103.169512
Lea County

Nearest Water Well

Fasken Oil and Ranch

LOW KARST

Fasken Oil and Ranch

Legend

Denton Battery (12.02.22)

Low

Dickinson Ln

Denton Battery (12.02.22)

N

Google Earth

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01117 POD1	L	LE	3	4	2	11	15S	37E	671314	3656419*	120	50	70
L 01182 POD1	L	LE	1	1	1	11	15S	37E	670096	3657007*	110	35	75
L 01283	L	LE		3	2	11	15S	37E	671012	3656515*	120	40	80
L 01320	L	LE		3	4	11	15S	37E	671026	3655710*	120	32	88
L 01321	L	LE		4	2	11	15S	37E	671415	3656520*	120	32	88
L 01322	L	LE	2	1	1	11	15S	37E	670296	3657007*	120	32	88
L 01323	L	LE		4	2	11	15S	37E	671415	3656520*	120	32	88
L 01324	L	LE		1	2	11	15S	37E	671004	3656917*	120	32	88
L 01332	L	LE		2	2	11	15S	37E	671408	3656922*	115	32	83
L 01430	L	LE		2	1	11	15S	37E	670601	3656913*	120	33	87
L 02302	L	LE	2	2	4	11	15S	37E	671521	3656216*	80	45	35
L 02317	L	LE		1	1	11	15S	37E	670197	3656908*	110	65	45
L 02391	L	LE	3	3	3	11	15S	37E	670118	3655599*	80	37	43
L 07610	L	LE		3	2	11	15S	37E	671012	3656515*	100		
L 07665	L	LE	4	4	4	11	15S	37E	671529	3655614*	126	40	86
L 13629 POD10	L	LE	2	1	2	11	15S	37E	671037	3657002	90	70	20
L 13629 POD11	L	LE	2	1	2	11	15S	37E	671184	3657035	90	71	19
L 13629 POD12	L	LE	2	1	2	11	15S	37E	671138	3657111	90	72	18
L 13629 POD13	L	LE	2	1	2	11	15S	37E	671093	3657074	90	70	20
L 13629 POD14	L	LE	2	1	2	11	15S	37E	671112	3657085	90	70	20
L 13629 POD16	L	LE	2	1	2	11	15S	37E	671094	3657050	90	70	20
L 13629 POD7	L	LE	2	1	2	11	15S	37E	671073	3657109	90	73	17
L 13629 POD8	L	LE	2	1	2	11	15S	37E	671100	3656952	90	69	21
L 13692 POD9	L	LE	2	1	2	11	15S	37E	671040	3657045	90	70	20
L 14152 POD20	L	LE	3	4	4	11	15S	37E	671250	3655547	89	65	24
L 14152 POD22	L	LE	4	3	4	11	15S	37E	671227	3655455	89	65	24

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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 14299 POD1	L	LE	3	3	3	11	15S	37E	670136	3655563	210	84	126

Average Depth to Water: **53 feet**

Minimum Depth: **32 feet**

Maximum Depth: **84 feet**

Record Count: 27

PLSS Search:

Section(s): 11 **Township:** 15S **Range:** 37E

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
	L 01283	3	2		11	15S	37E	671012	3656515*

Driller License:	33	**Driller Company:**	TATUM CLAUDE E.		
Driller Name:	CLAUDE TATUM				
Drill Start Date:	10/20/1951	**Drill Finish Date:**	10/23/1951	**Plug Date:**	
Log File Date:	02/18/1952	**PCW Rcv Date:**	02/02/1953	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	8.00	**Depth Well:**	120 feet	**Depth Water:**	40 feet

Water Bearing Stratifications:	Top	Bottom	Description
	40	120	Sandstone/Gravel/Conglomerate

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

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
	L 01117 POD1	3	4	2	11	15S	37E	671314	3656419*

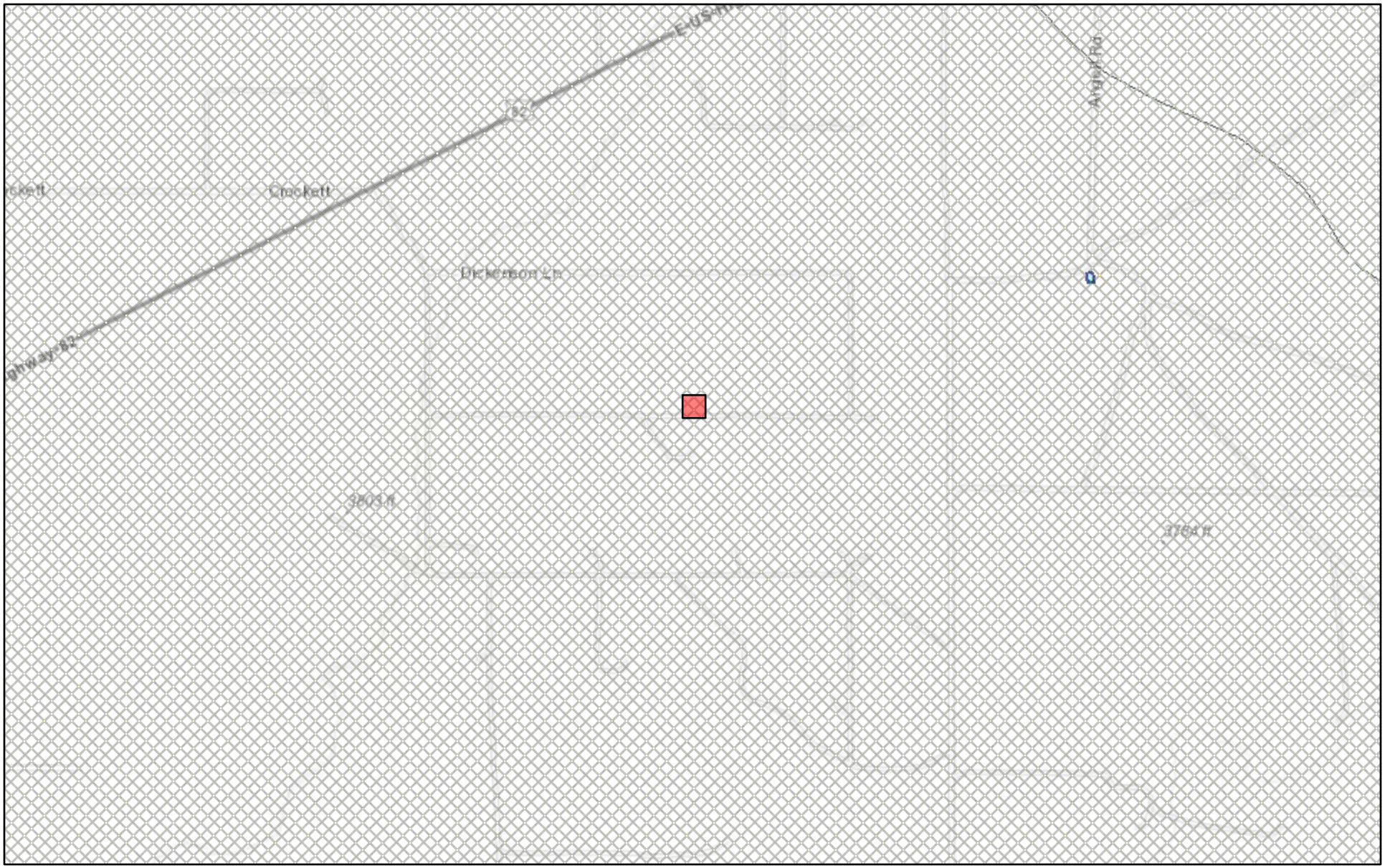
Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT BROTHERS				
Drill Start Date:	05/10/1951	**Drill Finish Date:**	05/11/1951	**Plug Date:**	10/15/1951
Log File Date:	12/05/1952	**PCW Rcv Date:**	05/16/1952	**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	120 feet	**Depth Water:**	50 feet

Water Bearing Stratifications:	Top	Bottom	Description
	50	120	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	2	120

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

New Mexico NFHL Data



January 31, 2023

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

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APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2023 2:58:09 PM

JOB DESCRIPTION

Denton Battery (12.09.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-24778-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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
2/20/2023 2:58:09 PM

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

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Laboratory Job ID: 880-24778-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Job ID: 880-24778-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24778-1

Receipt
The samples were received on 2/15/2023 11:08 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (0-1') (880-24778-1) and S-1 (1.5') (880-24778-2).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-46342 and analytical batch 880-46568 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24778-1

Date Collected: 02/13/23 00:00
Matrix: Solid
Date Received: 02/15/23 11:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/23 16:34	02/17/23 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/23 16:34	02/17/23 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/15/23 16:34*	*02/17/23 22:06*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/15/23 16:34*	*02/17/23 22:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/20/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1060**		49.9		mg/Kg			02/20/23 15:10	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		02/16/23 09:41	02/17/23 17:49	1
Diesel Range Organics (Over C10-C28)	**774**		49.9		mg/Kg		02/16/23 09:41	02/17/23 17:49	1
Oil Range Organics (Over C28-C36)	**284**		49.9		mg/Kg		02/16/23 09:41	02/17/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/16/23 09:41*	*02/17/23 17:49*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/16/23 09:41*	*02/17/23 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1970**		25.3		mg/Kg			02/20/23 08:44	5

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-24778-2

Date Collected: 02/13/23 00:00
Matrix: Solid
Date Received: 02/15/23 11:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/23 16:34	02/17/23 22:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/23 16:34	02/17/23 22:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/23 16:34	02/17/23 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/15/23 16:34*	*02/17/23 22:27*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*02/15/23 16:34*	*02/17/23 22:27*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Client Sample ID: S-1 (1.5')

Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

Lab Sample ID: 880-24778-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/20/23 14:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1180**		49.9		mg/Kg			02/20/23 15:10	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		02/16/23 09:41	02/17/23 18:54	1
Diesel Range Organics (Over C10-C28)	**889**		49.9		mg/Kg		02/16/23 09:41	02/17/23 18:54	1
Oil Range Organics (Over C28-C36)	**293**		49.9		mg/Kg		02/16/23 09:41	02/17/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:54*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1230**		25.0		mg/Kg			02/20/23 09:00	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24778-1	S-1 (0-1')	114	87
880-24778-2	S-1 (1.5')	108	83
890-4089-A-1-B MS	Matrix Spike	126	114
890-4089-A-1-C MSD	Matrix Spike Duplicate	132 S1+	104
LCS 880-46342/1-A	Lab Control Sample	109	105
LCSD 880-46342/2-A	Lab Control Sample Dup	116	103
MB 880-46342/5-A	Method Blank	76	96

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24778-1	S-1 (0-1')	91	98
880-24778-2	S-1 (1.5')	91	98
890-4100-A-1-D MS	Matrix Spike	113	110
890-4100-A-1-E MSD	Matrix Spike Duplicate	109	107
LCS 880-46507/2-A	Lab Control Sample	98	114
LCSD 880-46507/3-A	Lab Control Sample Dup	114	125
MB 880-46507/1-A	Method Blank	91	112

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46342/5-A
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/23 16:34	02/17/23 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/23 16:34	02/17/23 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/23 16:34	02/17/23 14:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/23 16:34	02/17/23 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/23 16:34	02/17/23 14:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/23 16:34	02/17/23 14:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/14/23 16:34*	*02/17/23 14:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/14/23 16:34*	*02/17/23 14:09*	*1*

Lab Sample ID: LCS 880-46342/1-A
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1214		mg/Kg		121	70 - 130
Toluene	0.100	0.1106		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2456		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1219		mg/Kg		122	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-46342/2-A
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46342

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1054		mg/Kg		105	70 - 130	14	35
Toluene	0.100	0.1042		mg/Kg		104	70 - 130	6	35
Ethylbenzene	0.100	0.1073		mg/Kg		107	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2301		mg/Kg		115	70 - 130	6	35
o-Xylene	0.100	0.1157		mg/Kg		116	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-4089-A-1-B MS
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U F1 F2	0.100	0.1523	F1	mg/Kg		152	70 - 130
Toluene	<0.00202	U	0.100	0.09819		mg/Kg		98	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4089-A-1-B MS
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.09453		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.2043		mg/Kg		102	70 - 130
o-Xylene	<0.00202	U	0.100	0.1039		mg/Kg		104	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-4089-A-1-C MSD
Matrix: Solid
Analysis Batch: 46568

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1 F2	0.0990	0.1032	F2	mg/Kg		104	70 - 130	38	35
Toluene	<0.00202	U	0.0990	0.09209		mg/Kg		93	70 - 130	6	35
Ethylbenzene	<0.00202	U	0.0990	0.09634		mg/Kg		97	70 - 130	2	35
m-Xylene & p-Xylene	<0.00403	U	0.198	0.2071		mg/Kg		105	70 - 130	1	35
o-Xylene	<0.00202	U	0.0990	0.1053		mg/Kg		106	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 880-46507/1-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46507

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		02/16/23 09:40	02/17/23 08:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/16/23 09:40*	*02/17/23 08:54*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/16/23 09:40*	*02/17/23 08:54*	*1*

Lab Sample ID: LCS 880-46507/2-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	860.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	994.1		mg/Kg		99	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-46507/2-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46507

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-46507/3-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1078		mg/Kg		108	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-4100-A-1-D MS
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1059		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1114		mg/Kg		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-4100-A-1-E MSD
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1047		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1079		mg/Kg		106	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46508/1-A
Matrix: Solid
Analysis Batch: 46697

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			02/20/23 08:28	1

Lab Sample ID: LCS 880-46508/2-A
Matrix: Solid
Analysis Batch: 46697

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-46508/3-A
Matrix: Solid
Analysis Batch: 46697

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	235.1		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 880-24778-1 MS
Matrix: Solid
Analysis Batch: 46697

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1970		1260	3263		mg/Kg		103	90 - 110		

Lab Sample ID: 880-24778-1 MSD
Matrix: Solid
Analysis Batch: 46697

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1970		1260	3243		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 46342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	5035	
880-24778-2	S-1 (1.5')	Total/NA	Solid	5035	
MB 880-46342/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46342/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46342/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4089-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-4089-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	8021B	46342
880-24778-2	S-1 (1.5')	Total/NA	Solid	8021B	46342
MB 880-46342/5-A	Method Blank	Total/NA	Solid	8021B	46342
LCS 880-46342/1-A	Lab Control Sample	Total/NA	Solid	8021B	46342
LCSD 880-46342/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46342
890-4089-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	46342
890-4089-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46342

Analysis Batch: 46747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	Total BTEX	
880-24778-2	S-1 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 46507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	8015NM Prep	
880-24778-2	S-1 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	8015B NM	46507
880-24778-2	S-1 (1.5')	Total/NA	Solid	8015B NM	46507
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015B NM	46507
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46507
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46507
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	46507
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	46507

Analysis Batch: 46785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Total/NA	Solid	8015 NM	
880-24778-2	S-1 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 46508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Soluble	Solid	DI Leach	
880-24778-2	S-1 (1.5')	Soluble	Solid	DI Leach	
MB 880-46508/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24778-1 MS	S-1 (0-1')	Soluble	Solid	DI Leach	
880-24778-1 MSD	S-1 (0-1')	Soluble	Solid	DI Leach	

Analysis Batch: 46697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24778-1	S-1 (0-1')	Soluble	Solid	300.0	46508
880-24778-2	S-1 (1.5')	Soluble	Solid	300.0	46508
MB 880-46508/1-A	Method Blank	Soluble	Solid	300.0	46508
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	300.0	46508
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46508
880-24778-1 MS	S-1 (0-1')	Soluble	Solid	300.0	46508
880-24778-1 MSD	S-1 (0-1')	Soluble	Solid	300.0	46508

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24778-1
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46342	02/15/23 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46568	02/17/23 22:06	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46747	02/20/23 14:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46785	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 17:49	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 08:44	CH	EET MID

Client Sample ID: S-1 (1.5')

Lab Sample ID: 880-24778-2
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46342	02/15/23 16:34	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46568	02/17/23 22:27	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46747	02/20/23 14:15	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46785	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 18:54	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 09:00	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24778-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24778-1	S-1 (0-1')	Solid	02/13/23 00:00	02/15/23 11:08
880-24778-2	S-1 (1.5')	Solid	02/13/23 00:00	02/15/23 11:08

Work Order No: 24778

Project Manager	Conner Moehring	Bill to: (if different)	Grant Huckabay
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 415	Address	6101 Holiday Hill Road
City, State ZIP	Midland TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Denton Battery (12 09 22)	Turn Around	
Project Number	1216	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	CRM		
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice	Yes No
Received Intact	Yes No	Thermometer ID	IR5
Cooler Custody Seals	Yes No N/A	Correction Factor	-.30
Sample Custody Seals	Yes No N/A	Temperature Reading	8.9
Total Containers		Corrected Temperature	8.6

Preservative Codes

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

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-1')	2/13/2023		X		G	1		X	X	X	402
S-1 (1 5')	2/13/2023		X		G	1		X	X	X	

880-24778 Chain of Custody

Comments

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	2.15.23 1102		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24778-1
SDG Number: Lea County, New Mexico

Login Number: 24778
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2023 2:58:09 PM

JOB DESCRIPTION

Denton Battery (12.09.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-24779-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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
2/20/2023 2:58:09 PM

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

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Laboratory Job ID: 880-24779-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Job ID: 880-24779-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24779-1

Receipt
The samples were received on 2/15/2023 11:08 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 0.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S-2 (0-1') (880-24779-1) and S-2 (1.5') (880-24779-2).

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24779-1

Date Collected: 02/13/23 00:00
Matrix: Solid
Date Received: 02/15/23 11:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 22:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 22:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 22:17	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/23 13:08	02/16/23 22:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 22:17	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/23 13:08	02/16/23 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/15/23 13:08*	*02/16/23 22:17*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/15/23 13:08*	*02/16/23 22:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/20/23 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1440**		50.0		mg/Kg			02/20/23 15:10	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		02/16/23 09:41	02/17/23 18:10	1
Diesel Range Organics (Over C10-C28)	**1060**		50.0		mg/Kg		02/16/23 09:41	02/17/23 18:10	1
Oil Range Organics (Over C28-C36)	**377**		50.0		mg/Kg		02/16/23 09:41	02/17/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:10*	*1*
o-Terphenyl	*122*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		25.0		mg/Kg			02/20/23 09:05	5

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-24779-2

Date Collected: 02/13/23 00:00
Matrix: Solid
Date Received: 02/15/23 11:08

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		02/15/23 13:08	02/16/23 22:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/23 13:08	02/16/23 22:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/23 13:08	02/16/23 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/23 13:08	02/16/23 22:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/23 13:08	02/16/23 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/23 13:08	02/16/23 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/15/23 13:08*	*02/16/23 22:37*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/15/23 13:08*	*02/16/23 22:37*	*1*

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Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Client Sample ID: S-2 (1.5')

Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

Lab Sample ID: 880-24779-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/20/23 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1050**		49.8		mg/Kg			02/20/23 15:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/16/23 09:41	02/17/23 19:15	1
Diesel Range Organics (Over C10-C28)	**811**		49.8		mg/Kg		02/16/23 09:41	02/17/23 19:15	1
Oil Range Organics (Over C28-C36)	**239**		49.8		mg/Kg		02/16/23 09:41	02/17/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*02/16/23 09:41*	*02/17/23 19:15*	*1*
o-Terphenyl	*101*		*70 - 130*	*02/16/23 09:41*	*02/17/23 19:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1970**		24.8		mg/Kg			02/20/23 09:10	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24676-A-7-A MS	Matrix Spike	119	105
880-24676-A-7-B MSD	Matrix Spike Duplicate	121	108
880-24779-1	S-2 (0-1')	127	109
880-24779-2	S-2 (1.5')	126	110
LCS 880-46421/1-A	Lab Control Sample	114	108
LCSD 880-46421/2-A	Lab Control Sample Dup	119	103
MB 880-46421/5-A	Method Blank	119	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24779-1	S-2 (0-1')	111	122
880-24779-2	S-2 (1.5')	95	101
890-4100-A-1-D MS	Matrix Spike	113	110
890-4100-A-1-E MSD	Matrix Spike Duplicate	109	107
LCS 880-46507/2-A	Lab Control Sample	98	114
LCSD 880-46507/3-A	Lab Control Sample Dup	114	125
MB 880-46507/1-A	Method Blank	91	112

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46421/5-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/23 13:08	02/16/23 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/15/23 13:08*	*02/16/23 14:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/15/23 13:08*	*02/16/23 14:11*	*1*

Lab Sample ID: LCS 880-46421/1-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46421

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1152		mg/Kg		115	70 - 130		
Toluene			0.100	0.1103		mg/Kg		110	70 - 130		
Ethylbenzene			0.100	0.1087		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.2232		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1075		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-46421/2-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46421

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1159		mg/Kg		116	70 - 130	1	35
Toluene			0.100	0.1169		mg/Kg		117	70 - 130	6	35
Ethylbenzene			0.100	0.1158		mg/Kg		116	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2421		mg/Kg		121	70 - 130	8	35
o-Xylene			0.100	0.1153		mg/Kg		115	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-24676-A-7-A MS
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46421

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.100	0.1043		mg/Kg		104	70 - 130		
Toluene	<0.00201	U	0.100	0.1034		mg/Kg		103	70 - 130		

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24676-A-7-A MS
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46421

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.1021		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2134		mg/Kg		106	70 - 130
o-Xylene	<0.00201	U	0.100	0.1021		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 880-24676-A-7-B MSD
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46421

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1168		mg/Kg		117	70 - 130	11	35
Toluene	<0.00201	U	0.0996	0.1089		mg/Kg		109	70 - 130	5	35
Ethylbenzene	<0.00201	U	0.0996	0.1089		mg/Kg		109	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2274		mg/Kg		114	70 - 130	6	35
o-Xylene	<0.00201	U	0.0996	0.1075		mg/Kg		107	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

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

Lab Sample ID: MB 880-46507/1-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46507

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		02/16/23 09:40	02/17/23 08:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/16/23 09:40*	*02/17/23 08:54*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/16/23 09:40*	*02/17/23 08:54*	*1*

Lab Sample ID: LCS 880-46507/2-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	860.8		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	994.1		mg/Kg		99	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-46507/2-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46507

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-46507/3-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1078		mg/Kg		108	70 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-4100-A-1-D MS
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1059		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1114		mg/Kg		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	110		70 - 130

Lab Sample ID: 890-4100-A-1-E MSD
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1047		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1079		mg/Kg		106	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	107		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46508/1-A
Matrix: Solid
Analysis Batch: 46697

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			02/20/23 08:28	1

Lab Sample ID: LCS 880-46508/2-A
Matrix: Solid
Analysis Batch: 46697

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-46508/3-A
Matrix: Solid
Analysis Batch: 46697

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	235.1		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 880-24778-A-1-C MS
Matrix: Solid
Analysis Batch: 46697

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	1970		1260	3263		mg/Kg		103	90 - 110		

Lab Sample ID: 880-24778-A-1-D MSD
Matrix: Solid
Analysis Batch: 46697

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	1970		1260	3243		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 46421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	5035	
880-24779-2	S-2 (1.5')	Total/NA	Solid	5035	
MB 880-46421/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46421/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46421/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24676-A-7-A MS	Matrix Spike	Total/NA	Solid	5035	
880-24676-A-7-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	8021B	46421
880-24779-2	S-2 (1.5')	Total/NA	Solid	8021B	46421
MB 880-46421/5-A	Method Blank	Total/NA	Solid	8021B	46421
LCS 880-46421/1-A	Lab Control Sample	Total/NA	Solid	8021B	46421
LCSD 880-46421/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46421
880-24676-A-7-A MS	Matrix Spike	Total/NA	Solid	8021B	46421
880-24676-A-7-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46421

Analysis Batch: 46731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	Total BTEX	
880-24779-2	S-2 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 46507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	8015NM Prep	
880-24779-2	S-2 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	8015B NM	46507
880-24779-2	S-2 (1.5')	Total/NA	Solid	8015B NM	46507
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015B NM	46507
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46507
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46507
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	46507
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	46507

Analysis Batch: 46786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Total/NA	Solid	8015 NM	
880-24779-2	S-2 (1.5')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

HPLC/IC

Leach Batch: 46508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Soluble	Solid	DI Leach	
880-24779-2	S-2 (1.5')	Soluble	Solid	DI Leach	
MB 880-46508/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24778-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-24778-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 46697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24779-1	S-2 (0-1')	Soluble	Solid	300.0	46508
880-24779-2	S-2 (1.5')	Soluble	Solid	300.0	46508
MB 880-46508/1-A	Method Blank	Soluble	Solid	300.0	46508
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	300.0	46508
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46508
880-24778-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	46508
880-24778-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	46508

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24779-1
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46421	02/15/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46482	02/16/23 22:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46731	02/20/23 13:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46786	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 18:10	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 09:05	CH	EET MID

Client Sample ID: S-2 (1.5')

Lab Sample ID: 880-24779-2
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46421	02/15/23 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46482	02/16/23 22:37	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46731	02/20/23 13:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46786	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 19:15	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 09:10	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24779-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24779-1	S-2 (0-1')	Solid	02/13/23 00:00	02/15/23 11:08
880-24779-2	S-2 (1.5')	Solid	02/13/23 00:00	02/15/23 11:08

Work Order No: 24779

Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay
Company Name.	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 415	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton Battery (12 09 22)	Turn Around	
Project Number	1216	☑ Routine ☐ Rush	
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name.	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice.	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals	Yes No N/A	Correction Factor	-3.0
Sample Custody Seals.	Yes No N/A	Temperature Reading	0.9
Total Containers.		Corrected Temperature	0.6

ANALYSIS REQUEST

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3 HN

~~H_2SO_4 H_2~~ ~~NaOH Na~~

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-2 (0-1')	2/13/2023		X		G	1	X	X	X	402
S-2 (1 5')	2/13/2023		X		G	1	X	X	X	

880-24779 Chain of Custody

Comments

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
	2.15.23 1100		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24779-1
SDG Number: Lea County, New Mexico

Login Number: 24779
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/20/2023 2:58:34 PM

JOB DESCRIPTION

Denton Battery (12.09.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-24780-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

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

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Job ID: 880-24780-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-24780-1

Receipt
The samples were received on 2/15/2023 11:08 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 0.6°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-46534 and analytical batch 880-46482 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-3 (1.5') (880-24780-2). Evidence of matrix interferences is not obvious.

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

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

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

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24780-1
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 18:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 18:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 18:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/23 08:51	02/17/23 18:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 18:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/23 08:51	02/17/23 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/17/23 08:51*	*02/17/23 18:21*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/17/23 08:51*	*02/17/23 18:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/20/23 13:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**502**		49.9		mg/Kg			02/20/23 15:10	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		02/16/23 09:41	02/17/23 19:37	1
Diesel Range Organics (Over C10-C28)	**383**		49.9		mg/Kg		02/16/23 09:41	02/17/23 19:37	1
Oil Range Organics (Over C28-C36)	**119**		49.9		mg/Kg		02/16/23 09:41	02/17/23 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/16/23 09:41*	*02/17/23 19:37*	*1*
o-Terphenyl	*122*		*70 - 130*	*02/16/23 09:41*	*02/17/23 19:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1290**		24.9		mg/Kg			02/20/23 09:16	5

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-24780-2
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/16/23 14:15	02/17/23 03:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/16/23 14:15	02/17/23 03:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/16/23 14:15	02/17/23 03:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/16/23 14:15	02/17/23 03:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/16/23 14:15	02/17/23 03:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/16/23 14:15	02/17/23 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*02/16/23 14:15*	*02/17/23 03:17*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/16/23 14:15*	*02/17/23 03:17*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Client Sample ID: S-3 (1.5')

Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

Lab Sample ID: 880-24780-2

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/20/23 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1650**		50.0		mg/Kg			02/20/23 15:10	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		02/16/23 09:41	02/17/23 18:32	1
Diesel Range Organics (Over C10-C28)	**1260**		50.0		mg/Kg		02/16/23 09:41	02/17/23 18:32	1
Oil Range Organics (Over C28-C36)	**387**		50.0		mg/Kg		02/16/23 09:41	02/17/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:32*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/16/23 09:41*	*02/17/23 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1980**		25.3		mg/Kg			02/20/23 09:31	5

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-24215-A-3-A MB	Method Blank	123	99
880-24598-A-1-F MS	Matrix Spike	96	98
880-24598-A-1-G MSD	Matrix Spike Duplicate	97	98
880-24780-1	S-3 (0-1')	127	104
880-24780-2	S-3 (1.5')	136 S1+	108
880-24844-A-1-A MS	Matrix Spike	123	103
880-24844-A-1-B MSD	Matrix Spike Duplicate	128	102
LCS 880-46534/1-A	Lab Control Sample	127	106
LCS 880-46575/1-A	Lab Control Sample	100	97
LCSD 880-46534/2-A	Lab Control Sample Dup	128	106
LCSD 880-46575/2-A	Lab Control Sample Dup	107	93
MB 880-46421/5-A	Method Blank	119	98
MB 880-46534/5-A	Method Blank	121	102
MB 880-46575/5-A	Method Blank	98	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-24780-1	S-3 (0-1')	112	122
880-24780-2	S-3 (1.5')	89	95
890-4100-A-1-D MS	Matrix Spike	113	110
890-4100-A-1-E MSD	Matrix Spike Duplicate	109	107
LCS 880-46507/2-A	Lab Control Sample	98	114
LCSD 880-46507/3-A	Lab Control Sample Dup	114	125
MB 880-46507/1-A	Method Blank	91	112

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-46421/5-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46421

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/23 13:08	02/16/23 14:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/23 13:08	02/16/23 14:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/15/23 13:08*	*02/16/23 14:11*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/15/23 13:08*	*02/16/23 14:11*	*1*

Lab Sample ID: MB 880-46534/5-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/16/23 14:15	02/17/23 01:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/16/23 14:15	02/17/23 01:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/16/23 14:15	02/17/23 01:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/16/23 14:15	02/17/23 01:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/16/23 14:15	02/17/23 01:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/16/23 14:15	02/17/23 01:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/16/23 14:15*	*02/17/23 01:47*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/16/23 14:15*	*02/17/23 01:47*	*1*

Lab Sample ID: LCS 880-46534/1-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1259		mg/Kg		126	70 - 130
Toluene	0.100	0.1242		mg/Kg		124	70 - 130
Ethylbenzene	0.100	0.1209		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2489		mg/Kg		124	70 - 130
o-Xylene	0.100	0.1205		mg/Kg		121	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-46534/2-A
Matrix: Solid
Analysis Batch: 46482

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46534

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1261		mg/Kg		126	70 - 130	0	35

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-46534/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46482 — **Prep Batch: 46534**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1238		mg/Kg		124	70 - 130	0	35
Ethylbenzene			0.100	0.1230		mg/Kg		123	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2540		mg/Kg		127	70 - 130	2	35
o-Xylene			0.100	0.1231		mg/Kg		123	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-24844-A-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46482 — **Prep Batch: 46534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.09597		mg/Kg		95	70 - 130
Toluene	<0.00199	U	0.101	0.08045		mg/Kg		79	70 - 130
Ethylbenzene	<0.00199	U F1	0.101	0.06771	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	0.00509	F1	0.203	0.1422	F1	mg/Kg		68	70 - 130
o-Xylene	0.00524	F1	0.101	0.07111	F1	mg/Kg		65	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 880-24844-A-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46482 — **Prep Batch: 46534**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.09101		mg/Kg		91	70 - 130	5	35
Toluene	<0.00199	U	0.0996	0.07157		mg/Kg		72	70 - 130	12	35
Ethylbenzene	<0.00199	U F1	0.0996	0.05876	F1	mg/Kg		58	70 - 130	14	35
m-Xylene & p-Xylene	0.00509	F1	0.199	0.1255	F1	mg/Kg		60	70 - 130	12	35
o-Xylene	0.00524	F1	0.0996	0.06290	F1	mg/Kg		58	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-24215-A-3-A MB — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46569 — **Prep Batch: 46575**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 17:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 17:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 17:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/23 08:51	02/17/23 17:19	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24215-A-3-A MB
Matrix: Solid
Analysis Batch: 46569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 17:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/23 08:51	02/17/23 17:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/17/23 08:51*	*02/17/23 17:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/17/23 08:51*	*02/17/23 17:19*	*1*

Lab Sample ID: MB 880-46575/5-A
Matrix: Solid
Analysis Batch: 46569

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 46575

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 15:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 15:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 15:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/23 08:51	02/17/23 15:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/23 08:51	02/17/23 15:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/23 08:51	02/17/23 15:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/17/23 08:51*	*02/17/23 15:36*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*02/17/23 08:51*	*02/17/23 15:36*	*1*

Lab Sample ID: LCS 880-46575/1-A
Matrix: Solid
Analysis Batch: 46569

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09721		mg/Kg		97	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09383		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1812		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09381		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-46575/2-A
Matrix: Solid
Analysis Batch: 46569

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46575

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1111		mg/Kg		111	70 - 130	13	35
Toluene	0.100	0.1198		mg/Kg		120	70 - 130	17	35
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130	19	35
m-Xylene & p-Xylene	0.200	0.2200		mg/Kg		110	70 - 130	19	35
o-Xylene	0.100	0.1124		mg/Kg		112	70 - 130	18	35

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-24598-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46569 — **Prep Batch: 46575**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.101	0.09359		mg/Kg		92	70 - 130
Toluene	<0.00201	U	0.101	0.09616		mg/Kg		95	70 - 130
Ethylbenzene	<0.00201	U	0.101	0.08569		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.202	0.1646		mg/Kg		82	70 - 130
o-Xylene	<0.00201	U	0.101	0.08652		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-24598-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46569 — **Prep Batch: 46575**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0996	0.1038		mg/Kg		103	70 - 130	10	35
Toluene	<0.00201	U	0.0996	0.1047		mg/Kg		105	70 - 130	9	35
Ethylbenzene	<0.00201	U	0.0996	0.09296		mg/Kg		93	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U	0.199	0.1791		mg/Kg		90	70 - 130	8	35
o-Xylene	<0.00201	U	0.0996	0.09331		mg/Kg		93	70 - 130	8	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-46507/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 46558 — **Prep Batch: 46507**

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		02/16/23 09:40	02/17/23 08:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/16/23 09:40	02/17/23 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	02/16/23 09:40	02/17/23 08:54	1
o-Terphenyl	112		70 - 130	02/16/23 09:40	02/17/23 08:54	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCS 880-46507/2-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 46507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	860.8		mg/Kg		86	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	994.1		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: LCSD 880-46507/3-A
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 46507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	988.4		mg/Kg		99	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1078		mg/Kg		108	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 890-4100-A-1-D MS
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1059		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1114		mg/Kg		110	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 890-4100-A-1-E MSD
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	1047		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	1079		mg/Kg		106	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 890-4100-A-1-E MSD
Matrix: Solid
Analysis Batch: 46558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 46507

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	*107*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-46508/1-A
Matrix: Solid
Analysis Batch: 46697

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			02/20/23 08:28	1

Lab Sample ID: LCS 880-46508/2-A
Matrix: Solid
Analysis Batch: 46697

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.8		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-46508/3-A
Matrix: Solid
Analysis Batch: 46697

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	235.1		mg/Kg		94	90 - 110	2	20

Lab Sample ID: 880-24778-A-1-C MS
Matrix: Solid
Analysis Batch: 46697

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	1970		1260	3263		mg/Kg		103	90 - 110		

Lab Sample ID: 880-24778-A-1-D MSD
Matrix: Solid
Analysis Batch: 46697

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	1970		1260	3243		mg/Kg		101	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 46421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-46421/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 46482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-2	S-3 (1.5')	Total/NA	Solid	8021B	46534
MB 880-46421/5-A	Method Blank	Total/NA	Solid	8021B	46421
MB 880-46534/5-A	Method Blank	Total/NA	Solid	8021B	46534
LCS 880-46534/1-A	Lab Control Sample	Total/NA	Solid	8021B	46534
LCSD 880-46534/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46534
880-24844-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	46534
880-24844-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46534

Prep Batch: 46534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-2	S-3 (1.5')	Total/NA	Solid	5035	
MB 880-46534/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46534/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46534/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24844-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-24844-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	8021B	46575
880-24215-A-3-A MB	Method Blank	Total/NA	Solid	8021B	46575
MB 880-46575/5-A	Method Blank	Total/NA	Solid	8021B	46575
LCS 880-46575/1-A	Lab Control Sample	Total/NA	Solid	8021B	46575
LCSD 880-46575/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	46575
880-24598-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	46575
880-24598-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	46575

Prep Batch: 46575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	5035	
880-24215-A-3-A MB	Method Blank	Total/NA	Solid	5035	
MB 880-46575/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-46575/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-46575/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-24598-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
880-24598-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 46727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	Total BTEX	
880-24780-2	S-3 (1.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 46507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 46507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-2	S-3 (1.5')	Total/NA	Solid	8015NM Prep	
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	8015B NM	46507
880-24780-2	S-3 (1.5')	Total/NA	Solid	8015B NM	46507
MB 880-46507/1-A	Method Blank	Total/NA	Solid	8015B NM	46507
LCS 880-46507/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	46507
LCSD 880-46507/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	46507
890-4100-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	46507
890-4100-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	46507

Analysis Batch: 46787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Total/NA	Solid	8015 NM	
880-24780-2	S-3 (1.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 46508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Soluble	Solid	DI Leach	
880-24780-2	S-3 (1.5')	Soluble	Solid	DI Leach	
MB 880-46508/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-24778-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-24778-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 46697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-24780-1	S-3 (0-1')	Soluble	Solid	300.0	46508
880-24780-2	S-3 (1.5')	Soluble	Solid	300.0	46508
MB 880-46508/1-A	Method Blank	Soluble	Solid	300.0	46508
LCS 880-46508/2-A	Lab Control Sample	Soluble	Solid	300.0	46508
LCSD 880-46508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	46508
880-24778-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	46508
880-24778-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	46508

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-24780-1
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46575	02/17/23 08:51	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46569	02/17/23 18:21	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46727	02/20/23 13:47	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46787	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 19:37	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 09:16	CH	EET MID

Client Sample ID: S-3 (1.5')

Lab Sample ID: 880-24780-2
Matrix: Solid
Date Collected: 02/13/23 00:00
Date Received: 02/15/23 11:08

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	46534	02/16/23 14:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	46482	02/17/23 03:17	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			46727	02/20/23 13:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			46787	02/20/23 15:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	46507	02/16/23 09:41	SM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46558	02/17/23 18:32	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	46508	02/16/23 09:43	KS	EET MID
Soluble	Analysis	300.0		5			46697	02/20/23 09:31	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-24780-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-24780-1	S-3 (0-1')	Solid	02/13/23 00:00	02/15/23 11:08
880-24780-2	S-3 (1.5')	Solid	02/13/23 00:00	02/15/23 11:08

Work Order No: 24780

Page 1 of 1

Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 415	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland Texas 79707
Phone	432-813-6823	Email	Granth@forl com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton Battery (12 09 22)	Turn Around	
Project Number	1216	☑ Routine	☐ Rush
Project Location	Lea County, New Mexico	Due Date	Standard
Sampler's Name	CRM		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes No	Wet Ice.	Yes No
Received Intact:	Yes No	Thermometer ID	IR8
Cooler Custody Seals.	Yes No N/A	Correction Factor	-.30
Sample Custody Seals	Yes No N/A	Temperature Reading	0.9
Total Containers		Corrected Temperature	0.6

Preservative Codes

None NO DI Water H_2O

Cool Cool MeOH Me

HCL HC HNO_3. HN

H_2SO_4. H_2 NaOH. Na

H_3PO_4 HP

$NaHSO_4$ NABIS

$Na_2S_2O_3$ $NaSO_3$

Zn Acetate+NaOH Zn

NaOH+Ascorbic Acid SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-3 (0-1')	2/13/2023		X		G	1		X	X	X	602
S-3 (1 5')	2/13/2023		X		G	1		X	X	X	

880-24780 Chain of Custody

Comments

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	2.15.23 1108		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-24780-1
SDG Number: Lea County, New Mexico

Login Number: 24780
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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/25/2023 3:22:44 PM

JOB DESCRIPTION

Denton Battery (12.09.22)
SDG NUMBER Lea County, New Mexico

JOB NUMBER

880-23964-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

Authorization

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1/25/2023 3:22:44 PM

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

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Laboratory Job ID: 880-23964-1
SDG: Lea County, New Mexico

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

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

GC Semi VOA

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

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.
¤	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: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Job ID: 880-23964-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-23964-1

Receipt
The samples were received on 1/20/2023 3:04 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 -3.9°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (0-0.5') (880-23964-1), H-2 (0-0.5') (880-23964-2), H-3 (0-0.5') (880-23964-3), H-4 (0-0.5') (880-23964-4), H-5 (0-0.5') (880-23964-5), H-6 (0-0.5') (880-23964-6) and H-7 (0-0.5') (880-23964-7).

The following samples were found to be frozen solid upon receipt by the laboratory. The samples and containers appeared to be intact. H-1 (0-0.5') (880-23964-1), H-2 (0-0.5') (880-23964-2), H-3 (0-0.5') (880-23964-3), H-4 (0-0.5') (880-23964-4), H-5 (0-0.5') (880-23964-5), H-6 (0-0.5') (880-23964-6) and H-7 (0-0.5') (880-23964-7)

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44601 and analytical batch 880-44611 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-44525 and analytical batch 880-44678 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: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-1
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:36	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:36	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:36	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		01/23/23 13:40	01/24/23 01:36	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:36	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		01/23/23 13:40	01/24/23 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:36*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:36*	*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			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/25/23 15:41	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 F2	50.0		mg/Kg		01/24/23 08:14	01/24/23 13:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 13:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/24/23 08:14*	*01/24/23 13:36*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/24/23 08:14*	*01/24/23 13:36*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			01/25/23 04:27	1

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

Lab Sample ID: 880-23964-2
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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		01/23/23 13:40	01/24/23 01:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/23/23 13:40	01/24/23 01:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/23/23 13:40	01/24/23 01:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/23/23 13:40	01/24/23 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:57*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:57*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-2
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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			01/24/23 13:41	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			01/25/23 15:41	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		01/24/23 08:14	01/24/23 14:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 14:44	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*47*	*S1-*	*70 - 130*	*01/24/23 08:14*	*01/24/23 14:44*	*1*
o-Terphenyl	*44*	*S1-*	*70 - 130*	*01/24/23 08:14*	*01/24/23 14:44*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/25/23 04:34	1

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

Lab Sample ID: 880-23964-3
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/23/23 13:40	01/24/23 02:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/23/23 13:40	01/24/23 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:17*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/25/23 15:41	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		01/24/23 08:14	01/24/23 15:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 15:07	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-3
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:07*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:07*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			01/25/23 04:52	1

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

Lab Sample ID: 880-23964-4
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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		01/23/23 13:40	01/24/23 02:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 02:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 02:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 13:40	01/24/23 02:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 02:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 13:40	01/24/23 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:37*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:37*	*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			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/25/23 15:41	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		01/24/23 08:14	01/24/23 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 15:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/24/23 08:14	01/24/23 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:29*	*1*
o-Terphenyl	*84*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:29*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/25/23 04:58	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-5
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/23/23 13:40	01/24/23 02:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 02:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/23/23 13:40	01/24/23 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:58*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/23/23 13:40*	*01/24/23 02:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/24/23 13:41	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			01/25/23 15:41	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		01/24/23 08:14	01/24/23 15:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 15:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:53*	*1*
o-Terphenyl	*89*		*70 - 130*	*01/24/23 08:14*	*01/24/23 15:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			01/25/23 05:04	1

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

Lab Sample ID: 880-23964-6
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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		01/23/23 13:40	01/24/23 03:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 03:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 03:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/23/23 13:40	01/24/23 03:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/23/23 13:40	01/24/23 03:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/23/23 13:40	01/24/23 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/23/23 13:40*	*01/24/23 03:18*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/23/23 13:40*	*01/24/23 03:18*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-6
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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			01/24/23 13:41	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			01/25/23 15:41	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		01/24/23 08:14	01/24/23 16:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 16:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/24/23 08:14*	*01/24/23 16:14*	*1*
o-Terphenyl	*92*		*70 - 130*	*01/24/23 08:14*	*01/24/23 16:14*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.01	U	5.01		mg/Kg			01/25/23 05:10	1

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

Lab Sample ID: 880-23964-7
Matrix: Solid
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/23/23 13:40	01/24/23 03:39	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/23/23 13:40	01/24/23 03:39	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/23/23 13:40	01/24/23 03:39	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/23/23 13:40	01/24/23 03:39	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/23/23 13:40	01/24/23 03:39	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/23/23 13:40	01/24/23 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*01/23/23 13:40*	*01/24/23 03:39*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*01/23/23 13:40*	*01/24/23 03:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/24/23 13:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/25/23 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/24/23 08:14	01/24/23 16:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/24/23 08:14	01/24/23 16:37	1

Client Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

Lab Sample ID: 880-23964-7
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/24/23 08:14	01/24/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*01/24/23 08:14*	*01/24/23 16:37*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*01/24/23 08:14*	*01/24/23 16:37*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/25/23 05:17	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-23964-1	H-1 (0-0.5')	100	114
880-23964-1 MS	H-1 (0-0.5')	101	112
880-23964-1 MSD	H-1 (0-0.5')	110	109
880-23964-2	H-2 (0-0.5')	112	100
880-23964-3	H-3 (0-0.5')	110	109
880-23964-4	H-4 (0-0.5')	111	111
880-23964-5	H-5 (0-0.5')	102	111
880-23964-6	H-6 (0-0.5')	103	109
880-23964-7	H-7 (0-0.5')	103	114
LCS 880-44570/1-A	Lab Control Sample	95	110
LCSD 880-44570/2-A	Lab Control Sample Dup	91	112
MB 880-44534/5-A	Method Blank	100	112
MB 880-44570/5-A	Method Blank	96	109

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-23964-1	H-1 (0-0.5')	90	93
880-23964-1 MS	H-1 (0-0.5')	88	80
880-23964-1 MSD	H-1 (0-0.5')	105	97
880-23964-2	H-2 (0-0.5')	47 S1-	44 S1-
880-23964-3	H-3 (0-0.5')	84	84
880-23964-4	H-4 (0-0.5')	80	84
880-23964-5	H-5 (0-0.5')	85	89
880-23964-6	H-6 (0-0.5')	90	92
880-23964-7	H-7 (0-0.5')	67 S1-	67 S1-
LCS 880-44601/2-A	Lab Control Sample	138 S1+	140 S1+
LCSD 880-44601/3-A	Lab Control Sample Dup	111	110
MB 880-44601/1-A	Method Blank	113	122

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-44534/5-A
Matrix: Solid
Analysis Batch: 44511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44534

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 10:55	01/23/23 13:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 10:55	01/23/23 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*01/23/23 10:55*	*01/23/23 13:29*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*01/23/23 10:55*	*01/23/23 13:29*	*1*

Lab Sample ID: MB 880-44570/5-A
Matrix: Solid
Analysis Batch: 44511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44570

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 01:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 01:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/23/23 13:40	01/24/23 01:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/23/23 13:40	01/24/23 01:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/23/23 13:40	01/24/23 01:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:07*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*01/23/23 13:40*	*01/24/23 01:07*	*1*

Lab Sample ID: LCS 880-44570/1-A
Matrix: Solid
Analysis Batch: 44511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44570

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09508		mg/Kg		95	70 - 130		
Toluene			0.100	0.08901		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.08811		mg/Kg		88	70 - 130		
m-Xylene & p-Xylene			0.200	0.1813		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.08770		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: LCSD 880-44570/2-A
Matrix: Solid
Analysis Batch: 44511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44570

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09431		mg/Kg		94	70 - 130	1	35

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-44570/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 44511 — **Prep Batch: 44570**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09129		mg/Kg		91	70 - 130	3	35
Ethylbenzene			0.100	0.08861		mg/Kg		89	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1824		mg/Kg		91	70 - 130	1	35
o-Xylene			0.100	0.08829		mg/Kg		88	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-23964-1 MS — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 44511 — **Prep Batch: 44570**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U F2 F1	0.100	0.09319		mg/Kg		93	70 - 130
Toluene	<0.00199	U F1	0.100	0.06382	F1	mg/Kg		64	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.06863	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1304	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.07859		mg/Kg		78	70 - 130

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

Lab Sample ID: 880-23964-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 44511 — **Prep Batch: 44570**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.0996	0.06368	F2 F1	mg/Kg		64	70 - 130	38	35
Toluene	<0.00199	U F1	0.0996	0.04906	F1	mg/Kg		49	70 - 130	26	35
Ethylbenzene	<0.00199	U F1	0.0996	0.05437	F1	mg/Kg		55	70 - 130	23	35
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1062	F1	mg/Kg		53	70 - 130	20	35
o-Xylene	<0.00199	U F1	0.0996	0.06751	F1	mg/Kg		68	70 - 130	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

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

Lab Sample ID: MB 880-44601/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 44611 — **Prep Batch: 44601**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 10:28	1

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-44601/1-A
Matrix: Solid
Analysis Batch: 44611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 44601

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 10:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/24/23 08:14	01/24/23 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*01/24/23 08:14*	*01/24/23 10:28*	*1*
o-Terphenyl	*122*		*70 - 130*	*01/24/23 08:14*	*01/24/23 10:28*	*1*

Lab Sample ID: LCS 880-44601/2-A
Matrix: Solid
Analysis Batch: 44611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 44601

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			999	1023		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			999	1151		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*138*	*S1+*	*70 - 130*
o-Terphenyl	*140*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-44601/3-A
Matrix: Solid
Analysis Batch: 44611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 44601

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			999	1180		mg/Kg		118	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			999	1172		mg/Kg		117	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: 880-23964-1 MS
Matrix: Solid
Analysis Batch: 44611

Client Sample ID: H-1 (0-0.5')
Prep Type: Total/NA
Prep Batch: 44601

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 F2	1000	828.2		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1004		mg/Kg		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*80*		*70 - 130*

QC Sample Results

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-23964-1 MSD — **Client Sample ID: H-1 (0-0.5')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 44611 — **Prep Batch: 44601**

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 F2	998	1078	F2	mg/Kg		106	70 - 130	26	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1218		mg/Kg		122	70 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-44525/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 44678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/25/23 03:38	1

Lab Sample ID: LCS 880-44525/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 44678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	268.5		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-44525/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 44678

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	271.8		mg/Kg		109	90 - 110	1	20

Lab Sample ID: 880-23961-A-41-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 44678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	794	F1	1260	2313	F1	mg/Kg		121	90 - 110

Lab Sample ID: 880-23961-A-41-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 44678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	794	F1	1260	2316	F1	mg/Kg		121	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

GC VOA

Analysis Batch: 44511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	8021B	44570
MB 880-44534/5-A	Method Blank	Total/NA	Solid	8021B	44534
MB 880-44570/5-A	Method Blank	Total/NA	Solid	8021B	44570
LCS 880-44570/1-A	Lab Control Sample	Total/NA	Solid	8021B	44570
LCSD 880-44570/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	44570
880-23964-1 MS	H-1 (0-0.5')	Total/NA	Solid	8021B	44570
880-23964-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8021B	44570

Prep Batch: 44534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-44534/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 44570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	5035	
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	5035	
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	5035	
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	5035	
MB 880-44570/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-44570/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-44570/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-23964-1 MS	H-1 (0-0.5')	Total/NA	Solid	5035	
880-23964-1 MSD	H-1 (0-0.5')	Total/NA	Solid	5035	

Analysis Batch: 44636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	Total BTEX	
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 44601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 44601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-44601/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-44601/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-44601/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-23964-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-23964-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 44611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	8015B NM	44601
MB 880-44601/1-A	Method Blank	Total/NA	Solid	8015B NM	44601
LCS 880-44601/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	44601
LCSD 880-44601/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	44601
880-23964-1 MS	H-1 (0-0.5')	Total/NA	Solid	8015B NM	44601
880-23964-1 MSD	H-1 (0-0.5')	Total/NA	Solid	8015B NM	44601

Analysis Batch: 44753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-5	H-5 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-6	H-6 (0-0.5')	Total/NA	Solid	8015 NM	
880-23964-7	H-7 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 44525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-5	H-5 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-6	H-6 (0-0.5')	Soluble	Solid	DI Leach	
880-23964-7	H-7 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-44525/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-44525/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-44525/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-23961-A-41-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-23961-A-41-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

QC Association Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

HPLC/IC

Analysis Batch: 44678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-23964-1	H-1 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-2	H-2 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-3	H-3 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-4	H-4 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-5	H-5 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-6	H-6 (0-0.5')	Soluble	Solid	300.0	44525
880-23964-7	H-7 (0-0.5')	Soluble	Solid	300.0	44525
MB 880-44525/1-A	Method Blank	Soluble	Solid	300.0	44525
LCS 880-44525/2-A	Lab Control Sample	Soluble	Solid	300.0	44525
LCSD 880-44525/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	44525
880-23961-A-41-B MS	Matrix Spike	Soluble	Solid	300.0	44525
880-23961-A-41-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	44525

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Client Sample ID: H-1 (0-0.5')
Lab Sample ID: 880-23964-1
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 13:36	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 04:27	CH	EET MID

Client Sample ID: H-2 (0-0.5')
Lab Sample ID: 880-23964-2
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 14:44	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 04:34	CH	EET MID

Client Sample ID: H-3 (0-0.5')
Lab Sample ID: 880-23964-3
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 02:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 15:07	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 04:52	CH	EET MID

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-23964-4
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 02:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Client Sample ID: H-4 (0-0.5')
Lab Sample ID: 880-23964-4
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 15:29	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 04:58	CH	EET MID

Client Sample ID: H-5 (0-0.5')
Lab Sample ID: 880-23964-5
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 02:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 15:53	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 05:04	CH	EET MID

Client Sample ID: H-6 (0-0.5')
Lab Sample ID: 880-23964-6
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

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	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 03:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 16:14	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 05:10	CH	EET MID

Client Sample ID: H-7 (0-0.5')
Lab Sample ID: 880-23964-7
Date Collected: 01/11/23 00:00
Matrix: Solid
Date Received: 01/20/23 15:04

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	44570	01/23/23 13:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	44511	01/24/23 03:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			44636	01/24/23 13:41	AJ	EET MID
Total/NA	Analysis	8015 NM		1			44753	01/25/23 15:41	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	44601	01/24/23 08:14	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	44611	01/24/23 16:37	AJ	EET MID

Lab Chronicle

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Client Sample ID: H-7 (0-0.5')
Date Collected: 01/11/23 00:00
Date Received: 01/20/23 15:04

Lab Sample ID: 880-23964-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	44525	01/23/23 09:51	KS	EET MID
Soluble	Analysis	300.0		1			44678	01/25/23 05:17	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

Method Summary

Client: Carmona Resources
Project/Site: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	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: Denton Battery (12.09.22)

Job ID: 880-23964-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-23964-1	H-1 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-2	H-2 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-3	H-3 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-4	H-4 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-5	H-5 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-6	H-6 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04
880-23964-7	H-7 (0-0.5')	Solid	01/11/23 00:00	01/20/23 15:04

Work Order No: 23964

Project Manager	Conner Moehring	Bill to (if different)	Grant Huckabay
Company Name	Carmona Resources	Company Name	Fasken Oil and Ranch
Address	310 W Wall St Ste 415	Address	6101 Holiday Hill Road
City, State ZIP	Midland, TX 79701	City, State ZIP	Midland, Texas 79707
Phone	432-813-6823	Email	Granth@forl.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables EDD ☐ ADaPT ☐ Other:

Project Name	Denton Battery (12 09 22)	Turn Around	☑ Routine ☑ Rush
Project Number	1216	Due Date	3day
Project Location	Lea County, New Mexico		
Sampler's Name	CRM		
PO #			

SAMPLE RECEIPT				
Temp Blank	Yes No	Wet Ice	Yes No	
Received Intact:	Yes No	Thermometer ID	IR2	
Cooler Custody Seals	Yes No N/A	Correction Factor	-.30	
Sample Custody Seals	Yes No N/A	Temperature Reading	-4.2	
Total Containers		Corrected Temperature	-3.9	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
H-1 (0-0 5')	1/11/2023		X		G	1		X	X	X	4oz
H-2 (0-0 5')	1/11/2023		X		G	1		X	X	X	
H-3 (0-0 5')	1/11/2023		X		G	1		X	X	X	
H-4 (0-0 5')	1/11/2023		X		G	1		X	X	X	
H-5 (0-0 5')	1/11/2023		X		G	1		X	X	X	
H-6 (0-0 5')	1/11/2023		X		G	1		X	X	X	
H-7 (0-0 5')	1/11/2023		X		G	1		X	X	X	

880-23964 Chain of Custody

Comments:

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Conner Moehring	1-20-23 1504		

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-23964-1
SDG Number: Lea County, New Mexico

Login Number: 23964
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
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 192274

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 192274
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. The OCD will not close a release, where contaminants are left in place, due to close proximity to equipment. The incident will only be closed after all contaminated soil has been remediated to meet OCD Spill Rule Standards.	3/10/2023