

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/13/2023

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

Closure Approved by: Robert Hamlet Date: 9/1/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



SITE INFORMATION

Closure Report
Mimosa Fed #3 SWD
Incident # NAPP2227144903
Eddy County, New Mexico
Unit P Sec 4 T20S R24E
32.597879°, -104.585853°

Produced Water Release
Point of Release: Tank Overflow
Release Date: 09/28/2022
Volume Released: 2,155 barrels of Produced Water
Volume Recovered: 2,155 barrels of Produced Water

CARMONA RESOURCES



Prepared for:
Silverback Operating II, LLC
19707 West IH 10, Suite 201
San Antonio, Texas 78257

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

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January 30, 2023

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

Re: Closure Report
Mimosa Fed #3 SWD
Silverback Operating II, LLC
Incident # NAPP2227144903
Site Location: Unit P, S04, T20S, R24E
(Lat 32.597879°, Long -104.585853°)
Eddy County, New Mexico

Mr. Bratcher:

On behalf of Silverback Operating II, LLC (Silverback Exploration), Carmona Resources, LLC has prepared this letter to document site activities for the Mimosa Fed #3 SWD. The site is located at 32.597879°, -104.585853° within Unit P, S04, T20S, R24E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on September 28, 2022, due to an overflowing water tank. It resulted in approximately two thousand one hundred and fifty-five (2,155) barrels of produced water, and two thousand one hundred and fifty-five (2,155) barrels of produced water were recovered. The impacted area is located on the pad, shown in Figure 3. The initial C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is within a 0.50-mile radius of the location. The nearest identified well is approximately 0.64 miles Northeast of the site in S03, T20S, R24E and was drilled in 1994. The well has a reported depth to groundwater of 227.85 feet below the ground surface (ft bgs). A copy of the associated Summary Report is attached in Appendix D.

On December 6, 2022, Carmona Resources, LLC was onsite to drill a groundwater determination bore to 105' below ground surface and within a 0.50-mile radius of the location. The groundwater determination bore is located approximately 0.03 miles south of the site at 32.597389, -104.586147 in S4, T20S, R24E. The bore was left open for 72 hours and tagged with a water level meter. The bore has shown no signs of water at a depth of 105' below ground surface (bgs). A copy of the groundwater determination bore log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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



- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 1,000 mg/kg (GRO + DRO).
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 20,000 mg/kg

4.0 Site Assessment Activities

Initial Assessment

On October 4, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of six (6) sample points (S-1 through S-6) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 1.0' below the surface. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The sample locations are shown in Figure 3. Refer to Table 1.

Trenching Activities

On October 17, 2022, Carmona Resources, LLC performed trenching activities to evaluate soil impacts stemming from the release and attempt to delineate vertical. Four (4) trenches (T-1 through T-4) were advanced to depths ranging from the surface to 3' bgs inside the release area to evaluate the extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Envirotech Laboratories in Farmington, New Mexico. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

The analytical results are provided in Table 1.

Further Assessment

On December 6, 2022, Carmona Resources was onsite to define the release for the area of S-4 (T-2), S-5 (T-3), and S-6 (T-4) vertically. Soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

All samples were below the regulatory limits and summarized in Table 1.

5.0 Conclusions

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

Sincerely,

Carmona Resources, LLC

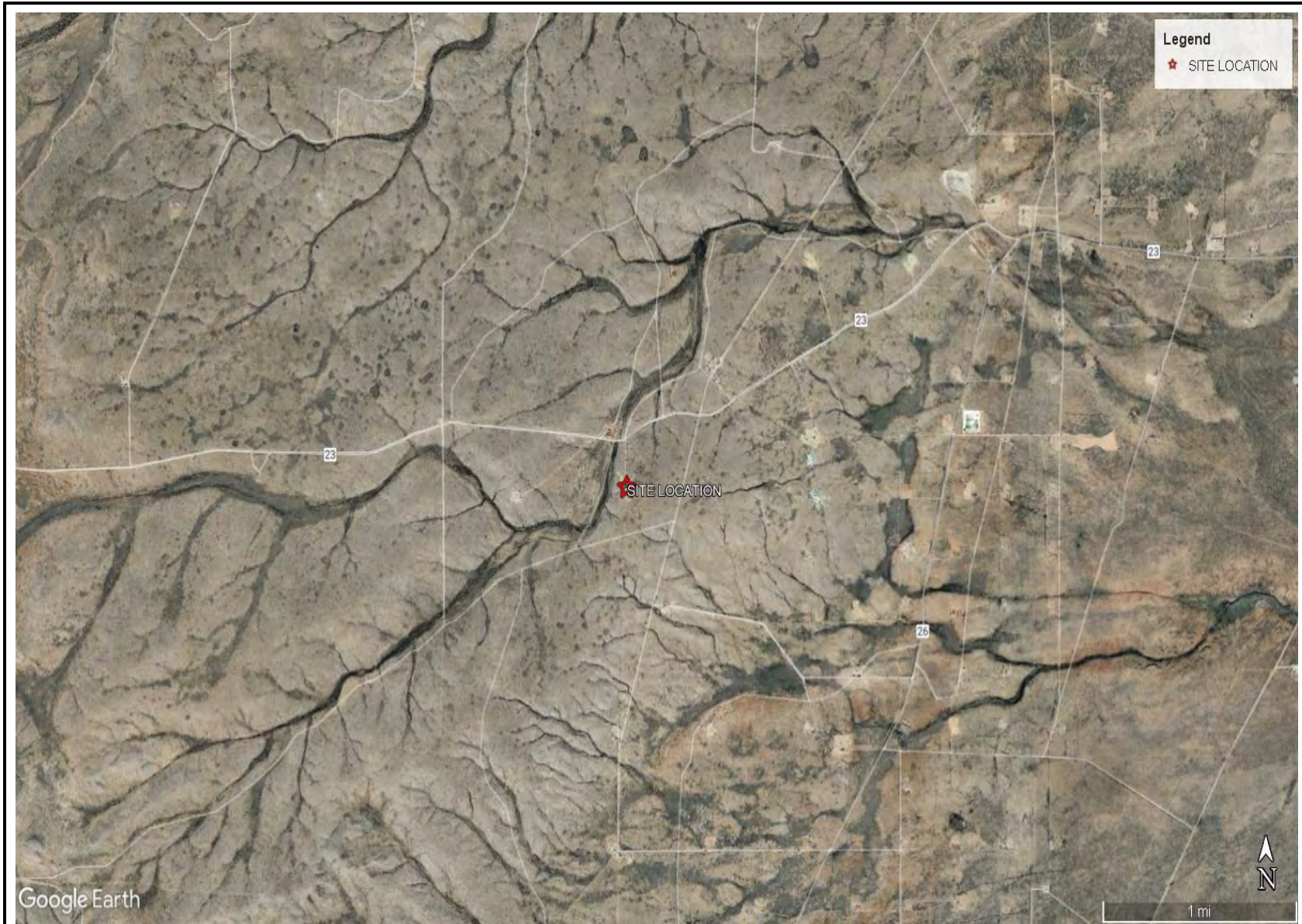
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

FIGURES

CARMONA RESOURCES

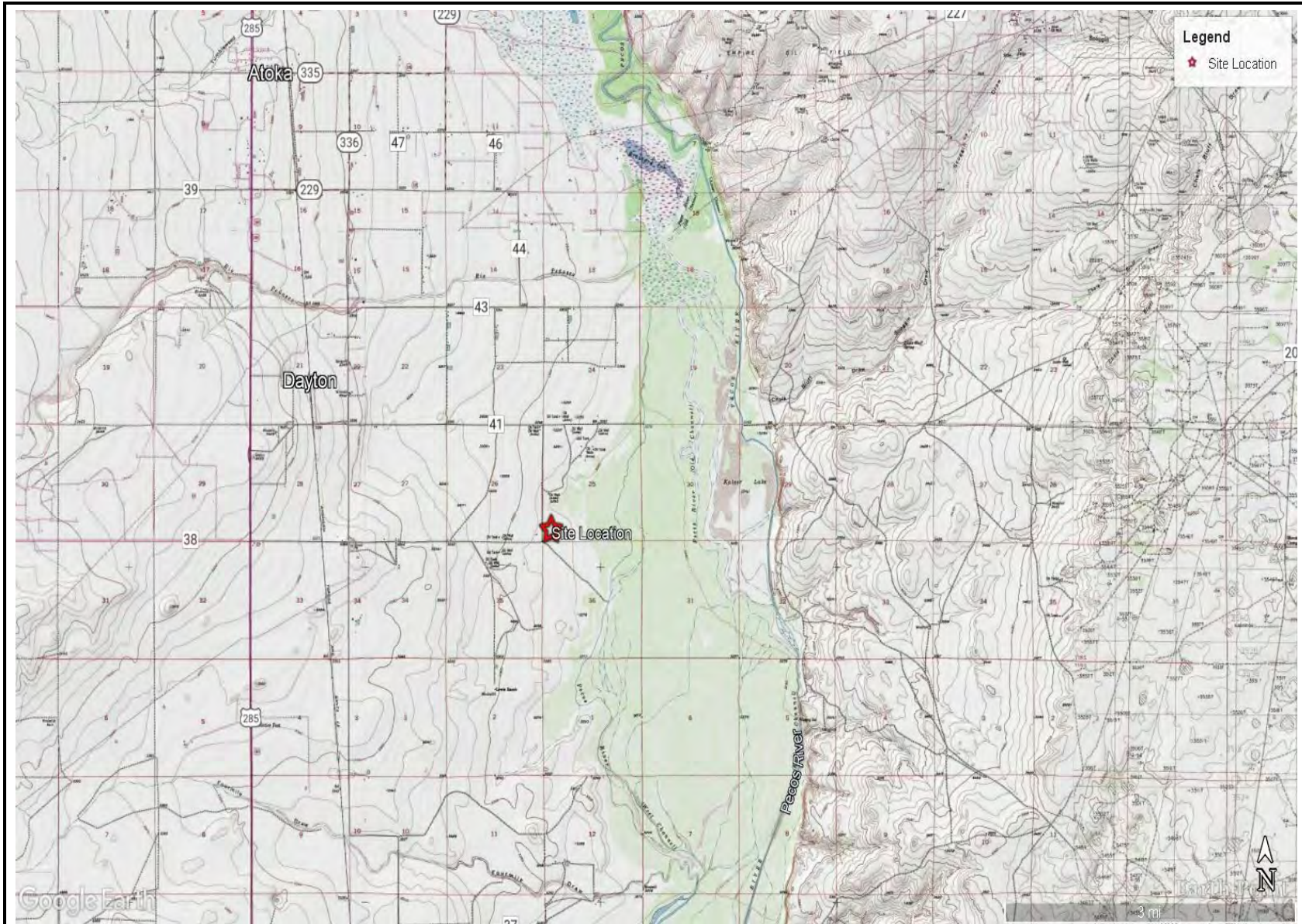




SITE OVERVIEW MAP
SILVERBACK EXPLORATION
MIMOSA FEDERAL SWD 003
EDDY COUNTY, NEW MEXICO
32.597943 -104.586042



FIGURE 1



TOPOGRAPHIC MAP
SILVERBACK EXPLORATION
MIMOSA FEDERAL SWD 003
EDDY COUNTY, NEW MEXICO
32.597943 -104.586042



FIGURE 2



SAMPLE LOCATION MAP
SILVERBACK EXPLORATION
MIMOSA FEDERAL SWD 003
EDDY COUNTY, NEW MEXICO
32.597943 -104.586042



FIGURE 3

APPENDIX A

CARMONA RESOURCES



Table 1
Silverback Exploration
Mimosa Federal SWD 003
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	10/4/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	775
T-1	10/17/2022	0-1	ND	ND	ND	ND	0.0692	0.0420	ND	ND	0.1112	205
	"	1.5	ND	ND	ND	ND	0.0357	ND	ND	ND	0.0357	472
	"	2.0	ND	ND	ND	ND	0.0361	ND	ND	ND	0.0361	951
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	512
S-2	10/4/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	417
S-3	10/4/2022	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	230
S-4	10/4/2022	0-1	ND	106	135	241	ND	ND	ND	ND	ND	13,900
T-2	10/17/2022	0-1	ND	ND	ND	ND	0.0585	0.0303	ND	ND	0.0888	1,950
	"	1.5	ND	ND	ND	ND	0.0369	ND	ND	ND	0.0369	876
	"	2.0	ND	ND	ND	ND	0.0515	ND	ND	ND	0.0515	1,420
	"	3.0	ND	ND	ND	ND	0.0462	ND	ND	ND	0.0462	689
	12/6/2022	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.5
S-5	10/4/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,730
T-3	10/17/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	462
	"	1.5	ND	ND	ND	ND	0.0291	ND	ND	ND	0.0291	4,620
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,130
	"	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	830
	12/6/2022	3.5	ND	29.1	ND	29.1	ND	ND	ND	ND	ND	33.3
S-6	10/4/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	807
T-4	10/17/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,710
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,030
	"	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,380
	"	3.0	ND	44.7	ND	44.7	0.0858	0.0361	ND	ND	ND	664
	12/6/2022	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.5
H-1	10/4/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.8
H-2	10/4/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	177
H-3	10/4/2022	0-0.5	ND	130	193	323	ND	ND	ND	ND	ND	1,440
	10/17/2022	0-0.5	ND	ND	ND	ND	0.0974	0.0545	ND	ND	ND	518
H-4	10/4/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	483
Regulatory Criteria^A			1,000 mg/kg		2,500 mg/kg		10 mg/kg	-	-	-	50 mg/kg	20,000 mg/kg

(-) Not Analyzed

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

(T) Trench

(ND) Non Detect

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

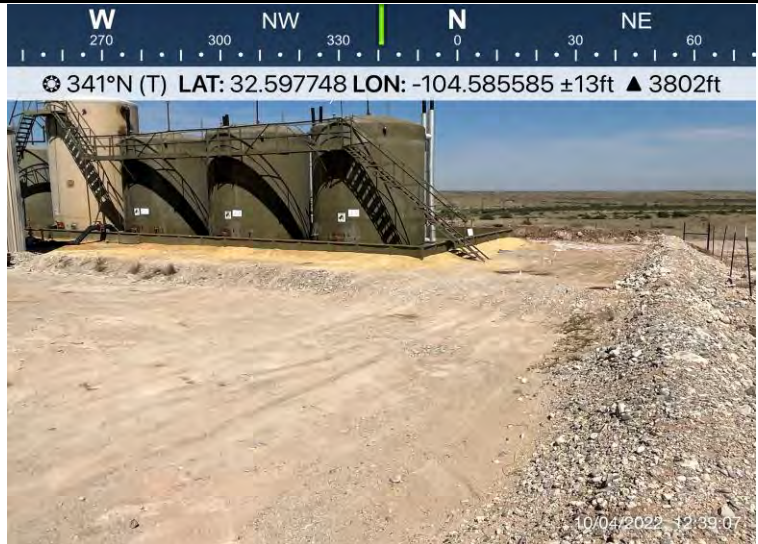
Silverback Operating II, LLC

Photograph No. 1

Facility: Mimosa Fed #3 SWD

County: Eddy County, New Mexico

Description:
View North, area of S-1/T-1.

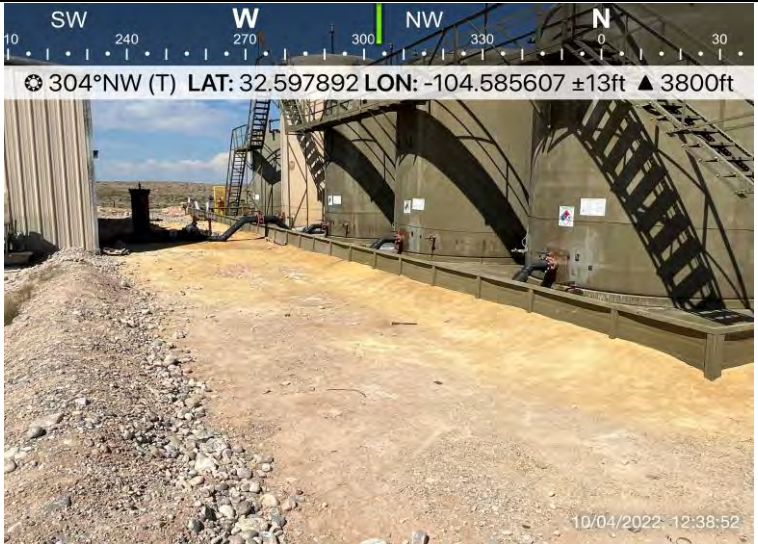


Photograph No. 2

Facility: Mimosa Fed #3 SWD

County: Eddy County, New Mexico

Description:
View Northwest, area of S-2 & S-3.

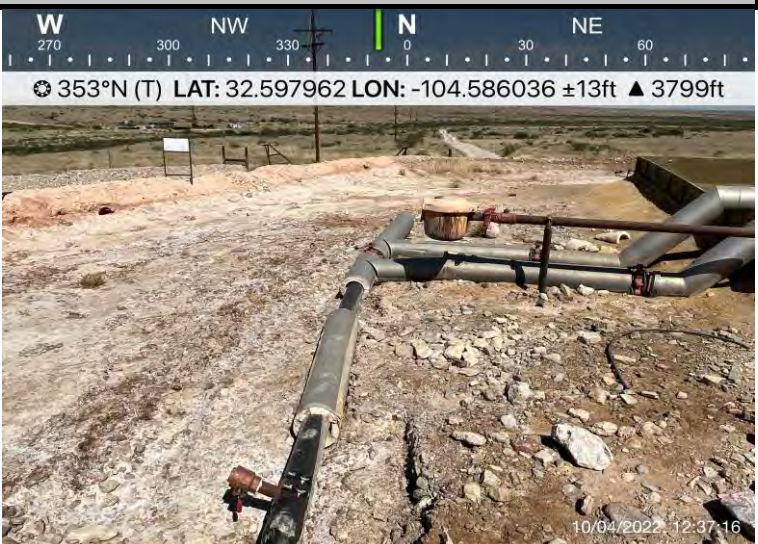


Photograph No. 3

Facility: Mimosa Fed #3 SWD

County: Eddy County, New Mexico

Description:
View North, area of S-4/T-2.



PHOTOGRAPHIC LOG

Silverback Operating II, LLC

Photograph No. 1

Facility: Mimosa Fed #3 SWD

County: Eddy County, New Mexico

Description:
View East, area of S-5/T-3 and S-6/T-4.



Photograph No. 2

Facility: Mimosa Fed #3 SWD

County: Eddy County, New Mexico

Description:
View Northeast, of installing the groundwater determination bore.



APPENDIX C

CARMONA RESOURCES



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

QUESTIONS

Action 146926

QUESTIONS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 146926
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	Mimosa Fed #3 SWD
Date Release Discovered	09/28/2022
Surface Owner	Federal

Incident Details	
<i>Please answer all of the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Water Tank Produced Water Released: 2,155 BBL Recovered: 2,155 BBL Lost: 0 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 146926

QUESTIONS (continued)

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 146926
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Mark Ritchie
If YES, was immediate notice given to the OCD, to whom	Mike Bratcher
If YES, was immediate notice given to the OCD, when	09/28/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Email
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response	
<i>The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.</i>	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
<i>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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.</i>	

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ACKNOWLEDGMENTS

Action 146926

ACKNOWLEDGMENTS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 146926
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 146926

CONDITIONS

Operator: Silverback Operating II, LLC IH10 West, Suite 201 San Antonio, TX 78257	OGRID: 330968
	Action Number: 146926
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
mrithchie	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	9/28/2022

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/13/2023

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Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 04/13/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES



Groundwater Determination Bore Map

Silverback Operating
Mimosa Fed #3 SWD
Eddy County, New Mexico

Legend

- 0.50 Mile Radius
- GWDB 105'
- Mimosa Fed #3 SWD





Project Name :	Mimosa Federal SWD 003	Date :	Tuesday, December 6, 2022
Project No. :	1148	Sampler :	Lane Scarborough
Location :	Eddy County, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.597389°, -104.586147°	Method :	Air Rotary
Elevation :	3,797'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0'-1') - White/Light coarse grained, well graded, angular gravel (GW).		50		(50') - White/Light coarse grained, well graded, angular gravel (GW).	
5		(5') - White/Light coarse grained, well graded, angular gravel (GW).		55		(55') - White/Light coarse grained, well graded, angular gravel (GW).	
10		(10') - White/Light coarse grained, well graded, angular gravel (GW).		60		(60') - White/Light coarse grained, well graded, angular gravel (GW).	
15		(15') - Light brown medium stiff clay with >25% coarse grained angular gravel (GC).		65		(65') - White/Light coarse grained, well graded, angular gravel (GW).	
20		(20') - Light brown medium stiff clay with >25% coarse grained angular gravel (GC).		70		(70') - White/Light grey silty sand with gypsum grains (SM).	
25		(25') - White/Light coarse grained, well graded, angular gravel (GW).		75		(75') - White/Light grey silty sand with gypsum grains (SM).	
30		(30') - White/Light coarse grained, well graded, angular gravel (GW).		80		(80') - White/Light grey silty sand with gypsum grains (SM).	
35		(35') - White/Light coarse grained, well graded, angular gravel (GW).		85		(85') - White/Light grey silty sand with gypsum grains (SM).	
40		(40') - White/Light coarse grained, well graded, angular gravel (GW).		90		(90') - Red/Light brown very loose clayey sand (SC)	
45		(45') - Red/Light brown very stiff clayey sand with >5% coarse, well cemented angular gravel (SC).		95		(95') - Red/Light brown very loose clayey sand (SC)	
50				105		(100'-105') - White/Light grey coarse grained, well graded, angular gravel (GW).	

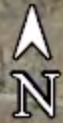
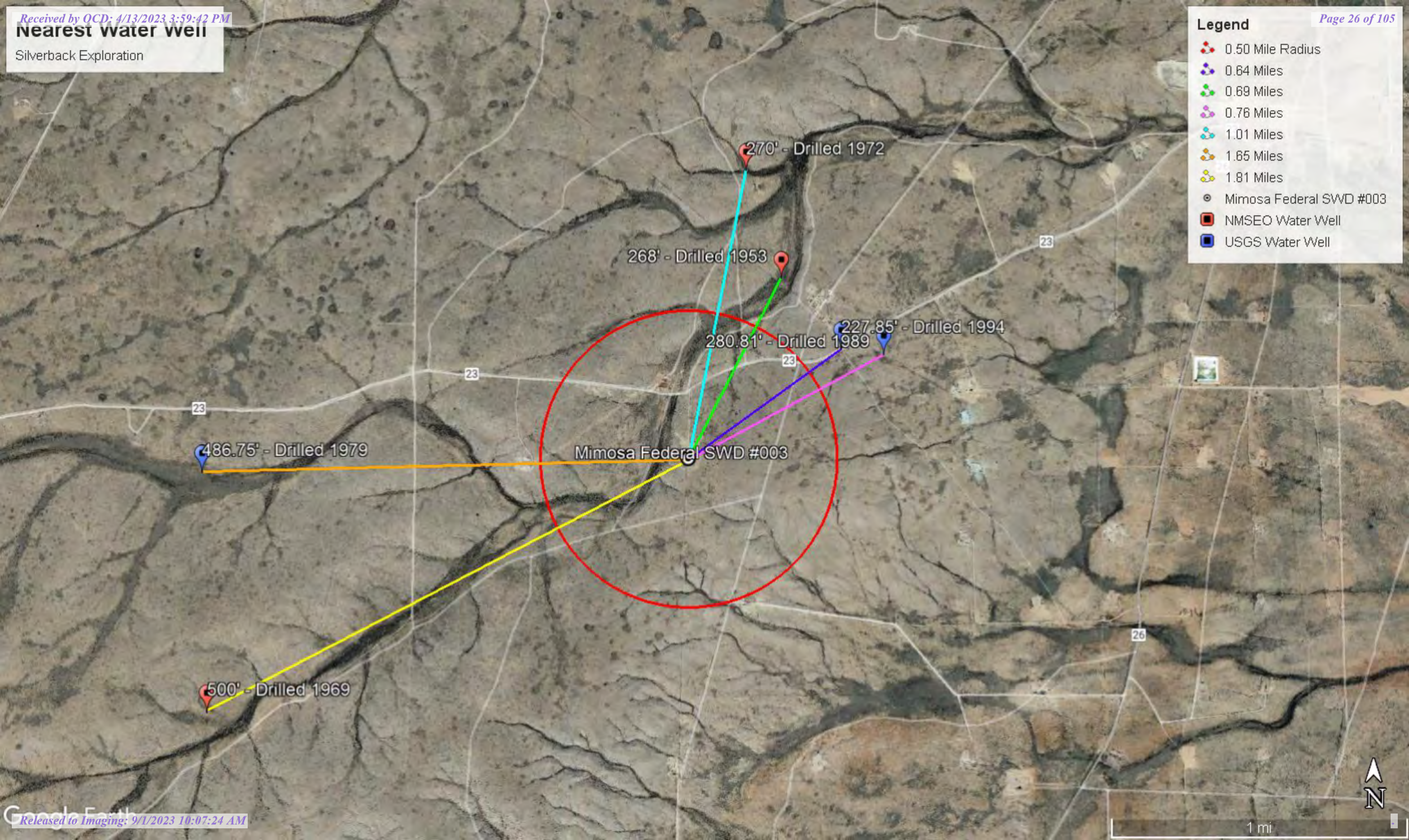
Comments :
 Boring terminated at 105' with no presence of groundwater or moisture.

Nearest water well

Silverback Exploration

Legend

- 0.50 Mile Radius
- 0.64 Miles
- 0.69 Miles
- 0.76 Miles
- 1.01 Miles
- 1.65 Miles
- 1.81 Miles
- Mimosa Federal SWD #003
- NMSEO Water Well
- USGS Water Well






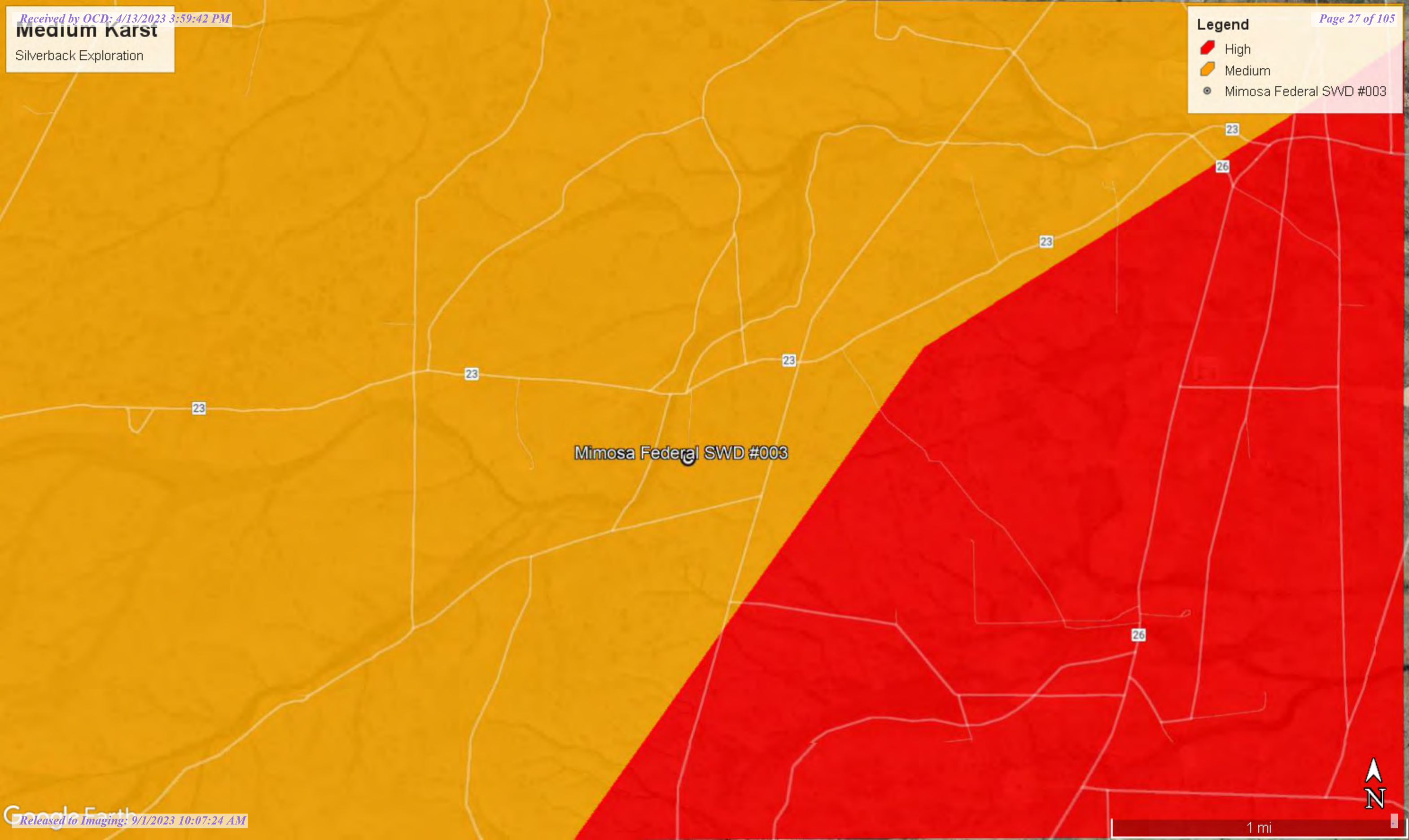
1 mi

Medium Karst

Silverback Exploration

Legend

-  High
-  Medium
-  Mimosa Federal SWD #003



Mimosa Federal SWD #003



1 mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 03084	RA	ED		1	03	20S	24E			539366	3607752*	1112	330	268	62
RA 05723	RA	ED		3	3	34	19S	24E		539170	3608353*	1622	310	270	40
RA 05478	RA	ED		3	2	3	08	20S	24E	536272	3605389*	2930	550	500	50
RA 05146	RA	ED		1	2	14	20S	24E		541600	3604734*	3406	300	80	220
RA 04245	RA	ED		4	4	35	19S	24E		542005	3608363*	3528	300		
RA 05676	RA	ED		2	2	3	28	19S	24E	538058	3610471*	3796	600	558	42
RA 04956	RA	ED		1	1	21	20S	24E		537605	3603101*	3869	1013		
RA 03085	RA	CH		1	01	20S	24E			542613	3607799*	3892	465	300	165

Average Depth to Water: **329 feet**
 Minimum Depth: **80 feet**
 Maximum Depth: **558 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 538861.82

Northing (Y): 3606760.37

Radius: 4000


*UTM location was derived from PLSS - see Help

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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
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- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 323611104343701

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

USGS 323611104343701 20S.24E.03.132443

Eddy County, New Mexico
 Latitude 32°36'11", Longitude 104°34'37" NAD27
 Land-surface elevation 3,736 feet above NAVD88
 The depth of the well is 465 feet below land surface.
 This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
 This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1979-11-08			D 62610		3463.34	NGVD29	1		Z	
1979-11-08			D 62611		3464.95	NAVD88	1		Z	
1979-11-08			D 72019	271.05			1		Z	
1984-02-02			D 62610		3507.05	NGVD29	1		Z	
1984-02-02			D 62611		3508.66	NAVD88	1		Z	
1984-02-02			D 72019	227.34			1		Z	
1989-02-10			D 62610		3513.29	NGVD29	1		Z	
1989-02-10			D 62611		3514.90	NAVD88	1		Z	
1989-02-10			D 72019	221.10			1		Z	
1994-02-11			D 62610		3506.54	NGVD29	1		S	
1994-02-11			D 62611		3508.15	NAVD88	1		S	
1994-02-11			D 72019	227.85			1		S	

10/2/22, 10:35 AM

Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
		Water-level date-time accuracy	Parameter code			
Parameter code		72019	Depth to water level, feet below land surface			
Referenced vertical datum		NAVD88	North American Vertical Datum of 1988			
Referenced vertical datum		NGVD29	National Geodetic Vertical Datum of 1929			
Status		1	Static			
Method of measurement		S	Steel-tape measurement.			
Method of measurement		Z	Other.			
Measuring agency			Not determined			
Source of measurement			Not determined			
Water-level approval status		A	Approved for publication -- Processing and review completed.			

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2022-10-02 11:34:55 EDT

0.3 0.27 nadww01



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	Tw	Rng	X	Y
RA 03084		1	03	20S	24E	539366	3607752*

Driller License:		Driller Company:	
Driller Name: EXISTING WELL			
Drill Start Date: 06/03/1953	Drill Finish Date: 06/12/1953	Plug Date:	
Log File Date: 11/19/1953	PCW Rev Date:	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield:	
Casing Size:	Depth Well: 330 feet	Depth Water: 268 feet	

Water Bearing Stratifications:	Top	Bottom	Description
	305	310	Limestone/Dolomite/Chalk

Meter Number: 3588	Meter Make: BROOKS
Meter Serial Number: 9011T506832	Meter Multiplier: 10.0000
Number of Dials: 4	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/06/2000	2000	6078	A	RPT		0
07/04/2000	2000	6078	A	RPT		0
01/19/2001	2000	6078	A	RPT		0
07/09/2001	2001	6078	A	RPT		0
01/17/2002	2001	6078	A	RPT		0
04/04/2002	2002	6078	A	RPT		0
01/31/2003	2003	6078	A	tw		0
07/31/2003	2003	6078	A	tw		0
10/30/2003	2003	6078	A	tw		0
03/01/2004	2004	6078	A	sj		0
06/01/2004	2004	6078	A	sj		0
09/01/2004	2004	6078	A	sj		0
04/13/2005	2005	6078	A	RPT		0
10/06/2005	2005	6078	A	RPT		0
12/31/2013	2013	6078	A	RPT		0
03/31/2014	2014	6078	A	RPT		0
09/30/2014	2014	6078	A	RPT		0
12/31/2014	2014	6078	A	RPT		0
06/30/2015	2015	6078	A	RPT		0
09/30/2015	2015	6078	A	RPT		0
12/31/2015	2015	6078	A	RPT		0
09/30/2016	2016	6078	A	RPT	well not in service	0

12/31/2018	2018	6078	A	ap	0
03/31/2019	2019	6078	A	ap	0
12/31/2019	2020	6078	A	ap	0
09/30/2020	2020	6078	A	RPT	0
12/31/2020	2021	6078	A	WEB	0 X

x

**YTD Meter Amounts:	Year	Amount
	2000	0
	2001	0
	2002	0
	2003	0
	2004	0
	2005	0
	2013	0
	2014	0
	2015	0
	2016	0
	2018	0
	2019	0
	2020	0
	2021	0

x

Meter Number:	8260	Meter Make:	BROOKS
Meter Serial Number:	9011T5068321	Meter Multiplier:	1.0000
Number of Dials:	6	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	Quarterly

*UTM location was derived from PLSS - see Help

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10/2/22 9:24 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
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Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 323610104342801

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

USGS 323610104342801 20S.24E.03.14322

Eddy County, New Mexico
 Latitude 32°36'10", Longitude 104°34'28" NAD27
 Land-surface elevation 3,721 feet above NAVD88
 The depth of the well is 310 feet below land surface.
 This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
 This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1961-01-06			D 62610		3438.67	NGVD29	1		Z	
1961-01-06			D 62611		3440.27	NAVD88	1		Z	
1961-01-06			D 72019	280.73			1		Z	
1963-01-07			D 62610		3438.29	NGVD29	1		Z	
1963-01-07			D 62611		3439.89	NAVD88	1		Z	
1963-01-07			D 72019	281.11			1		Z	
1963-07-24			D 62610		3422.03	NGVD29	1		Z	
1963-07-24			D 62611		3423.63	NAVD88	1		Z	
1963-07-24			D 72019	297.37			1		Z	
1963-09-04			D 62610		3431.60	NGVD29	1		Z	
1963-09-04			D 62611		3433.20	NAVD88	1		Z	
1963-09-04			D 72019	287.80			1		Z	
1963-10			M 62610		3437.58	NGVD29	1		Z	
1963-10			M 62611		3439.18	NAVD88	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1963-10	M	72019	281.82		1	Z
1963-11-20	D	62610	3437.63	NGVD29	1	Z
1963-11-20	D	62611	3439.23	NAVD88	1	Z
1963-11-20	D	72019	281.77		1	Z
1964-01-10	D	62610	3437.80	NGVD29	1	Z
1964-01-10	D	62611	3439.40	NAVD88	1	Z
1964-01-10	D	72019	281.60		1	Z
1965-01-13	D	62610	3437.62	NGVD29	1	Z
1965-01-13	D	62611	3439.22	NAVD88	1	Z
1965-01-13	D	72019	281.78		1	Z
1966-01-27	D	62610	3437.89	NGVD29	1	Z
1966-01-27	D	62611	3439.49	NAVD88	1	Z
1966-01-27	D	72019	281.51		1	Z
1966-09-26	D	62610	3437.80	NGVD29	1	Z
1966-09-26	D	62611	3439.40	NAVD88	1	Z
1966-09-26	D	72019	281.60		1	Z
1969-01-02	D	62610	3437.72	NGVD29	1	Z
1969-01-02	D	62611	3439.32	NAVD88	1	Z
1969-01-02	D	72019	281.68		1	Z
1979-11-15	D	62610	3438.28	NGVD29	1	Z
1979-11-15	D	62611	3439.88	NAVD88	1	Z
1979-11-15	D	72019	281.12		1	Z
1984-02-02	D	62610	3437.54	NGVD29	1	Z
1984-02-02	D	62611	3439.14	NAVD88	1	Z
1984-02-02	D	72019	281.86		1	Z
1989-02-10	D	62610	3438.59	NGVD29	1	Z
1989-02-10	D	62611	3440.19	NAVD88	1	Z
1989-02-10	D	72019	280.81		1	Z

Explanation

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

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Date	Time	?	?	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
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Title: Groundwater for New Mexico: Water Levels
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2022-10-02 11:33:08 EDT
0.28 0.25 nadww01



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
RA 05723		3	3	34	19S	24E	539170	3608353*	

Driller License:	353	Driller Company:	OSBOURN DRILLING & PUMP CO.						
Driller Name:									
Drill Start Date:	02/22/1972	Drill Finish Date:	03/13/1972	Plug Date:					
Log File Date:	03/15/1972	PCW Rev Date:		Source:	Shallow				
Pump Type:		Pipe Discharge Size:		Estimated Yield:					
Casing Size:	7.00	Depth Well:	310 feet	Depth Water:	270 feet				

Water Bearing Stratifications:	Top	Bottom	Description
	272	290	Limestone/Dolomite/Chalk

*UTM location was derived from PLSS - see Help

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

10/2/22 9:27 AM

POINT OF DIVERSION SUMMARY

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
------	------	-------------------------------------	---------------------	--------------------------------------	---	---------------------------

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- [Full News](#)

Groundwater levels for New Mexico

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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323549104365101

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

USGS 323549104365101 20S.24E.05.331141

Eddy County, New Mexico
 Latitude 32°35'49", Longitude 104°36'51" NAD27
 Land-surface elevation 3,847 feet above NAVD88
 The depth of the well is 500 feet below land surface.
 This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1968-12-12			D 62610		3369.83	NGVD29	1		Z	
1968-12-12			D 62611		3371.50	NAVD88	1		Z	
1968-12-12			D 72019	475.50			1		Z	
1970-01-12			D 62610		3370.93	NGVD29	1		Z	
1970-01-12			D 62611		3372.60	NAVD88	1		Z	
1970-01-12			D 72019	474.40			1		Z	
1971-01-20			D 62610		3370.12	NGVD29	1		Z	
1971-01-20			D 62611		3371.79	NAVD88	1		Z	
1971-01-20			D 72019	475.21			1		Z	
1974-01-24			D 62610		3360.63	NGVD29	1		Z	
1974-01-24			D 62611		3362.30	NAVD88	1		Z	
1974-01-24			D 72019	484.70			1		Z	
1975-01-14			D 62610		3359.68	NGVD29	1		Z	
1975-01-14			D 62611		3361.35	NAVD88	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum
1975-01-14	D	72019	485.65		1	Z
1979-01-30	D	62610	3358.58	NGVD29	1	Z
1979-01-30	D	62611	3360.25	NAVD88	1	Z
1979-01-30	D	72019	486.75		1	Z

Explanation

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

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Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2022-10-02 11:31:42 EDT

0.28 0.25 nadww02



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
RA 05478		3	2	3	08	20S	24E	536272	3605389*

Driller License: 46	Driller Company: ABBOTT BROTHERS COMPANY	
Driller Name:		
Drill Start Date: 02/25/1969	Drill Finish Date: 03/07/1969	Plug Date:
Log File Date: 03/24/1969	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 550 feet	Depth Water: 500 feet

Water Bearing Stratifications:	Top	Bottom	Description
	257	270	Limestone/Dolomite/Chalk
	270	289	Limestone/Dolomite/Chalk
	289	292	Shale/Mudstone/Siltstone
	480	500	Sandstone/Gravel/Conglomerate

*UTM location was derived from PLSS - see Help

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

10/2/22 9:29 AM

POINT OF DIVERSION SUMMARY

APPENDIX E

CARMONA RESOURCES



Report to:
Conner Moehring



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Mimoso Federal SWD 003

Work Order: E210025

Job Number: [none]

Received: 10/6/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/10/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/10/22

Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701



Project Name: Mimosa Federal SWD 003
Workorder: E210025
Date Received: 10/6/2022 10:07:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2022 10:07:00AM, under the Project Name: Mimosa Federal SWD 003.

The analytical test results summarized in this report with the Project Name: Mimosa Federal SWD 003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Sample Summary

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Mimoso Federal SWD 003
Project Number:
Project Manager: Conner Moehring

Reported:
10/10/22 16:38

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (0 - 1')	E210025-01A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
S-2 (0 - 1')	E210025-02A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
S-3 (0 .5')	E210025-03A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
S-4 (0 - 1')	E210025-04A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
S-5 (0 - 1')	E210025-05A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
S-6 (0 - 1'	E210025-06A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
H-1 (0 - 5')	E210025-07A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
H-2 (0 - 5')	E210025-08A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
H-3 (0 - 5')	E210025-09A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.
H-4 (0 - 5')	E210025-10A	Soil	10/04/22	10/06/22	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-1 (0 - 1')

E210025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	10/06/22	10/06/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	775	20.0	1	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-2 (0 - 1')

E210025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.1 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/06/22	
<i>Surrogate: n-Nonane</i>		111 %	50-200	10/06/22	10/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	417	200	10	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-3 (0.5')

E210025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.9 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	230	20.0	1	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-4 (0 - 1')

E210025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	106	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	135	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		100 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	13900	1000	50	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-5 (0 - 1')

E210025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		110 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	1730	40.0	2	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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S-6 (0 - 1'

E210025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.5 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	807	20.0	1	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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H-1 (0 - 5')

E210025-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	73.8	20.0	1	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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H-2 (0 - 5')**E210025-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	177	20.0	1	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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H-3 (0 - 5')**E210025-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	130	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	193	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	1440	200	10	10/06/22	10/06/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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H-4 (0 - 5')

E210025-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Benzene	ND	0.0250	1	10/06/22	10/07/22	
Ethylbenzene	ND	0.0250	1	10/06/22	10/07/22	
Toluene	ND	0.0250	1	10/06/22	10/07/22	
o-Xylene	ND	0.0250	1	10/06/22	10/07/22	
p,m-Xylene	ND	0.0500	1	10/06/22	10/07/22	
Total Xylenes	ND	0.0250	1	10/06/22	10/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		110 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2241085
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/06/22	10/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	10/06/22	10/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2241086
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/22	10/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/22	10/07/22	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/06/22	10/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2241087
Chloride	483	20.0	1	10/06/22	10/06/22	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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Volatiles Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2241085-BLK1)

Prepared: 10/06/22 Analyzed: 10/06/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

LCS (2241085-BS1)

Prepared: 10/06/22 Analyzed: 10/06/22

Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	5.20	0.0250	5.00		104	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.36	0.0250	5.00		107	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

LCS Dup (2241085-BSD1)

Prepared: 10/06/22 Analyzed: 10/06/22

Benzene	4.41	0.0250	5.00		88.2	70-130	9.91	20	
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130	9.71	20	
Toluene	4.75	0.0250	5.00		95.0	70-130	9.74	20	
o-Xylene	4.87	0.0250	5.00		97.3	70-130	9.70	20	
p,m-Xylene	9.56	0.0500	10.0		95.6	70-130	9.57	20	
Total Xylenes	14.4	0.0250	15.0		96.2	70-130	9.61	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2241085-BLK1)

Prepared: 10/06/22 Analyzed: 10/06/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

LCS (2241085-BS2)

Prepared: 10/06/22 Analyzed: 10/06/22

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

LCS Dup (2241085-BSD2)

Prepared: 10/06/22 Analyzed: 10/06/22

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0		112	70-130	4.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2241086-BLK1)

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	62.2		50.0		124	50-200			

LCS (2241086-BS1)

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132			
Surrogate: <i>n-Nonane</i>	55.8		50.0		112	50-200			

Matrix Spike (2241086-MS1)

Source: E210025-06

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: <i>n-Nonane</i>	46.7		50.0		93.4	50-200			

Matrix Spike Dup (2241086-MSD1)

Source: E210025-06

Prepared: 10/06/22 Analyzed: 10/06/22

Diesel Range Organics (C10-C28)	207	25.0	250	ND	82.7	38-132	26.1	20	R3
Surrogate: <i>n-Nonane</i>	32.9		50.0		65.8	50-200			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: [none] Project Manager: Conner Moehring	Reported: 10/10/2022 4:38:21PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241087-BLK1)

Prepared: 10/06/22 Analyzed: 10/06/22

Chloride ND 20.0

LCS (2241087-BS1)

Prepared: 10/06/22 Analyzed: 10/06/22

Chloride 254 20.0 250 101 90-110

Matrix Spike (2241087-MS1)

Source: E210023-01

Prepared: 10/06/22 Analyzed: 10/06/22

Chloride 253 40.0 250 ND 101 80-120

Matrix Spike Dup (2241087-MSD1)

Source: E210023-01

Prepared: 10/06/22 Analyzed: 10/06/22

Chloride 248 40.0 250 ND 99.0 80-120 2.21 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimoso Federal SWD 003 Project Number: Project Manager: Conner Moehring	Reported: 10/10/22 16:38
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R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Work Order No: E210025

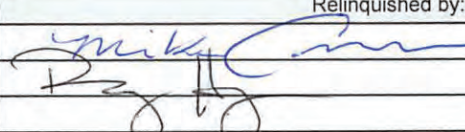
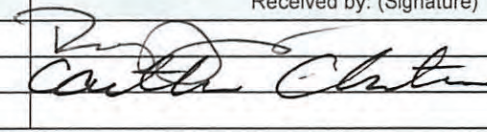
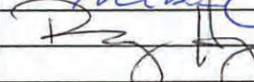
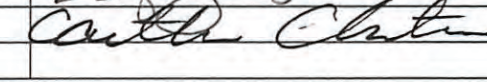
Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

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

Project Name:	Mimosa Federal SWD 003	Turn Around		ANALYSIS REQUEST															Preservative Codes											
Project Number:	1148	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code																									None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico	Due Date:	72HR																									Cool: Cool	MeOH: Me	
Sampler's Name:	GP/MM																											HCL: HC	HNO ₃ : HN	
PO #:																												H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MIRO)	Chloride 300.0																					
Received Intact:	Yes No	Thermometer ID:																												
Cooler Custody Seals:	Yes No N/A	Correction Factor:																												
Sample Custody Seals:	Yes No N/A	Temperature Reading:																												
Total Containers:		Corrected Temperature:																												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																								
S-1 (0-1')	10/4/2022		X		G	1	X	X	X																					
S-2 (0-1')	10/4/2022		X		G	1	X	X	X																					
S-3 (0.5')	10/4/2022		X		G	1	X	X	X																					
S-4 (0-1')	10/4/2022		X		G	1	X	X	X																					
S-5 (0-1')	10/4/2022		X		G	1	X	X	X																					
S-6 (0-1')	10/4/2022		X		G	1	X	X	X																					
H-1 (0-5')	10/4/2022		X		G	1	X	X	X																					
H-2 (0-5')	10/4/2022		X		G	1	X	X	X																					
H-3 (0-5')	10/4/2022		X		G	1	X	X	X																					
H-4 (0-5')	10/4/2022		X		G	1	X	X	X																					

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10.05.2022		10.5.22
	10.5.22		10/6/22 10:07

Released to Imaging: 9/1/2023 10:07:24 AM

Received by OCD: 4/13/2023 3:59:42 PM

Page 59 of 105

Envirotech Analytical Laboratory

Printed: 10/6/2022 10:10:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	10/06/22 10:07	Work Order ID:	E210025
Phone:	(432) 813-6823	Date Logged In:	10/05/22 16:36	Logged In By:	Caitlin Christian
Email:	cmochring@carmonaresouces.com	Due Date:	10/10/22 17:00 (2 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? No
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC.

Client Instruction

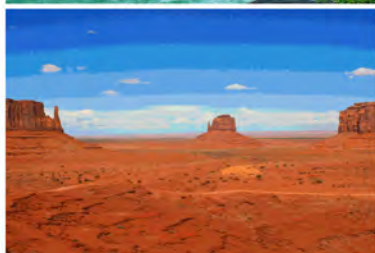
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Conner Moehring



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Mimosa Federal SWD 003

Work Order: E210101

Job Number: 22113-0001

Received: 10/19/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/25/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/25/22



Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Mimosa Federal SWD 003
Workorder: E210101
Date Received: 10/19/2022 10:40:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/19/2022 10:40:00AM, under the Project Name: Mimosa Federal SWD 003.

The analytical test results summarized in this report with the Project Name: Mimosa Federal SWD 003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Office: 505-632-1881
labadmin@envirotech-inc.com

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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Carmona Resources
310 West Wall St. Suite 415
Midland TX, 79701

Project Name: Mimosa Federal SWD 003
Project Number: 22113-0001
Project Manager: Conner Moehring

Reported:
10/25/22 15:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0-1')	E210101-01A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-1 (1.5')	E210101-02A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-1 (2')	E210101-03A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-1 (3')	E210101-04A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-2 (0-1')	E210101-05A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-2 (1.5')	E210101-06A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-2 (2')	E210101-07A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-2 (3')	E210101-08A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-3 (0-1')	E210101-09A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-3 (1.5')	E210101-10A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-3 (2')	E210101-11A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-3 (3')	E210101-12A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-4 (0-1')	E210101-13A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-4 (1.5')	E210101-14A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-4 (2')	E210101-15A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
T-4 (3')	E210101-16A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.
H-3 (0-0.5')	E210101-17A	Soil	10/17/22	10/19/22	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-1 (0-1')

E210101-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: RKS		Batch: 2243093
Benzene	0.0692	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	0.0420	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2243102
Chloride	205	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-1 (1.5')

E210101-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0357	0.0250	1	10/20/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/25/22	
Toluene	ND	0.0250	1	10/20/22	10/25/22	
o-Xylene	ND	0.0250	1	10/20/22	10/25/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	472	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-1 (2')

E210101-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0361	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.8 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	951	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-1 (3')

E210101-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/25/22	
Toluene	ND	0.0250	1	10/20/22	10/25/22	
o-Xylene	ND	0.0250	1	10/20/22	10/25/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.7 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	512	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-2 (0-1')

E210101-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0585	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	0.0303	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		96.4 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	1950	40.0	2	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-2 (1.5')

E210101-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0369	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	876	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-2 (2')

E210101-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0515	0.0250	1	10/20/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/25/22	
Toluene	ND	0.0250	1	10/20/22	10/25/22	
o-Xylene	ND	0.0250	1	10/20/22	10/25/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		90.6 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	1420	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-2 (3')

E210101-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0462	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>						
		81.1 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	689	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-3 (0-1')

E210101-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.1 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	462	20.0	1	10/21/22	10/21/22	

Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-3 (1.5')

E210101-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0291	0.0250	1	10/20/22	10/25/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/25/22	
Toluene	ND	0.0250	1	10/20/22	10/25/22	
o-Xylene	ND	0.0250	1	10/20/22	10/25/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/25/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.7 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.7 %	70-130	10/20/22	10/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>		85.9 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	4620	40.0	2	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-3 (2')

E210101-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/21/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	10/21/22	10/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	1130	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-3 (3')

E210101-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.0 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		96.0 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	830	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-4 (0-1')

E210101-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.3 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		93.5 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	2710	40.0	2	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-4 (1.5')

E210101-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		93.2 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	7030	100	5	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-4 (2')

E210101-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	ND	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	ND	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		82.2 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	3380	40.0	2	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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T-4 (3')

E210101-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0858	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	0.0361	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	44.7	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		93.4 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	664	20.0	1	10/21/22	10/21/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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H-3 (0-0.5')

E210101-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Benzene	0.0974	0.0250	1	10/20/22	10/21/22	
Ethylbenzene	ND	0.0250	1	10/20/22	10/21/22	
Toluene	0.0545	0.0250	1	10/20/22	10/21/22	
o-Xylene	ND	0.0250	1	10/20/22	10/21/22	
p,m-Xylene	ND	0.0500	1	10/20/22	10/21/22	
Total Xylenes	ND	0.0250	1	10/20/22	10/21/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2243093
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/20/22	10/21/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	10/20/22	10/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2243077
Diesel Range Organics (C10-C28)	35.0	25.0	1	10/21/22	10/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/22	10/22/22	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	10/21/22	10/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2243102
Chloride	518	20.0	1	10/21/22	10/21/22	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243093-BLK1)

Prepared: 10/20/22 Analyzed: 10/21/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.23		8.00		103	70-130			

LCS (2243093-BS1)

Prepared: 10/20/22 Analyzed: 10/21/22

Benzene	3.99	0.0250	5.00		79.8	70-130			
Ethylbenzene	4.30	0.0250	5.00		85.9	70-130			
Toluene	4.32	0.0250	5.00		86.3	70-130			
o-Xylene	4.43	0.0250	5.00		88.6	70-130			
p,m-Xylene	8.72	0.0500	10.0		87.2	70-130			
Total Xylenes	13.2	0.0250	15.0		87.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

LCS Dup (2243093-BSD1)

Prepared: 10/20/22 Analyzed: 10/21/22

Benzene	3.75	0.0250	5.00		75.0	70-130	6.15	20	
Ethylbenzene	4.07	0.0250	5.00		81.5	70-130	5.33	20	
Toluene	4.07	0.0250	5.00		81.5	70-130	5.79	20	
o-Xylene	4.20	0.0250	5.00		84.0	70-130	5.29	20	
p,m-Xylene	8.28	0.0500	10.0		82.8	70-130	5.19	20	
Total Xylenes	12.5	0.0250	15.0		83.2	70-130	5.22	20	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243093-BLK1)

Prepared: 10/20/22 Analyzed: 10/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS (2243093-BS2)

Prepared: 10/20/22 Analyzed: 10/21/22

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

LCS Dup (2243093-BSD2)

Prepared: 10/20/22 Analyzed: 10/21/22

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130	8.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243077-BLK1)

Prepared: 10/21/22 Analyzed: 10/21/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.4	50-200			

LCS (2243077-BS1)

Prepared: 10/21/22 Analyzed: 10/21/22

Diesel Range Organics (C10-C28)	235	25.0	250		94.2	38-132			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	50-200			

Matrix Spike (2243077-MS1)

Source: E210101-08

Prepared: 10/21/22 Analyzed: 10/21/22

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.3	38-132			
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.1	50-200			

Matrix Spike Dup (2243077-MSD1)

Source: E210101-08

Prepared: 10/21/22 Analyzed: 10/21/22

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.2	38-132	3.00	20	
Surrogate: <i>n</i> -Nonane	42.4		50.0		84.8	50-200			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 10/25/2022 3:16:28PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2243102-BLK1)

Prepared: 10/21/22 Analyzed: 10/21/22

Chloride ND 20.0

LCS (2243102-BS1)

Prepared: 10/21/22 Analyzed: 10/21/22

Chloride 253 20.0 250 101 90-110

Matrix Spike (2243102-MS1)

Source: E210101-01

Prepared: 10/21/22 Analyzed: 10/21/22

Chloride 588 20.0 250 205 153 80-120 M2

Matrix Spike Dup (2243102-MSD1)

Source: E210101-01

Prepared: 10/21/22 Analyzed: 10/21/22

Chloride 462 20.0 250 205 103 80-120 24.1 20 R3

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources	Project Name:	Mimosa Federal SWD 003	
310 West Wall St. Suite 415	Project Number:	22113-0001	Reported:
Midland TX, 79701	Project Manager:	Conner Moehring	10/25/22 15:16

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Work Order No: E210101
Job # 22113-0001

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> RRC <input type="checkbox"/> perfund <input type="checkbox"/>
State of Project:	
Reporting: Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables: EDD	<input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name: Mimosa Federal SWD 003			Turn Around		Parameters	ANALYSIS REQUEST													Preservative Codes							
Project Number:	1148		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Pres. Code																		None: NO	DI Water: H ₂ O	
Project Location	Eddy County, New Mexico		Due Date:																					Cool: Cool	MeOH: Me	
Sampler's Name:	CRM																							HCL: HC	HNO ₃ : HN	
PO #:																							H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes No	Wet Ice:	Yes No	BTEX 8021B	TPH 8015M (GRO + DRO + MIRO)	Chloride 300.0																	
Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No		Thermometer ID:		4																		H ₃ PO ₄ : HP			
Cooler Custody Seals:	Yes	<input type="radio"/> No	N/A	Correction Factor:																			NaHSO ₄ : NABIS			
Sample Custody Seals:	Yes	<input type="radio"/> No	N/A	Temperature Reading:																			Na ₂ S ₂ O ₃ : NaSO ₃			
Total Containers:			Corrected Temperature:																				Zn Acetate+NaOH: Zn			
															NaOH+Ascorbic Acid: SAPC											
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																			Sample Comments	
T-1 (0-1')	10/17/2022		X		G	1	X	X	X																1	
T-1 (1.5')	10/17/2022		X		G	1	X	X	X																2	
T-1 (2')	10/17/2022		X		G	1	X	X	X																3	
T-1 (3')	10/17/2022		X		G	1	X	X	X																4	
T-2 (0-1')	10/17/2022		X		G	1	X	X	X																5	
T-2 (1.5')	10/17/2022		X		G	1	X	X	X																6	
T-2 (2')	10/17/2022		X		G	1	X	X	X																7	
T-2 (3')	10/17/2022		X		G	1	X	X	X																8	
T-3 (0-1')	10/17/2022		X		G	1	X	X	X																9	
T-3 (1.5')	10/17/2022		X		G	1	X	X	X																10	

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Conner Moehring</i>	10/18/22	<i>Conner Moehring</i>	10/18/22
	10-18-22	<i>Conner Moehring</i>	10/19/22 10:40

Released to Imaging: 9/1/2023 10:07:24 AM

Received by OCD: 4/13/2023 3:59:42 PM

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Chain of Custody

Work Order No: E210101
Job # 22113-0001

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 415	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

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

Project Name:		Mimosa Federal SWD 003		Turn Around		ANALYSIS REQUEST										Preservative Codes					
Project Number:		1148		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush												None: NO DI Water: H ₂ O					
Project Location:		Eddy County, New Mexico		Due Date:												Cool: Cool MeOH: Me					
Sampler's Name:		CRM														HCL: HC HNO ₃ : HN					
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No												H ₃ PO ₄ : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:				4												NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			ANALYSIS REQUEST										Sample Comments	
T-3 (2')	10/17/2022		X		G	1	BTEX 8021B	X	X	X											11
T-3 (3')	10/17/2022		X		G	1	TPH 8015M (GRO + DRO + MRO)	X	X	X											12
T-4 (0-1')	10/17/2022		X		G	1	Chloride 300.0	X	X	X											13
T-4 (1.5')	10/17/2022		X		G	1		X	X	X											14
T-4 (2')	10/17/2022		X		G	1		X	X	X											15
T-4 (3')	10/17/2022		X		G	1		X	X	X											16
H-3 (0-0.5')	10/17/2022		X		G	1		X	X	X											17

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	10/18/22		10.18.22
	10.18.22		10/19/22 10:49

Envirotech Analytical Laboratory

Printed: 10/19/2022 1:18:10PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	10/19/22 10:40	Work Order ID:	E210101
Phone:	(432) 813-6823	Date Logged In:	10/18/22 16:51	Logged In By:	Caitlin Christian
Email:	cmochring@carmonaresouces.com	Due Date:	10/25/22 17:00 (4 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Time sampled not provided on COC.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

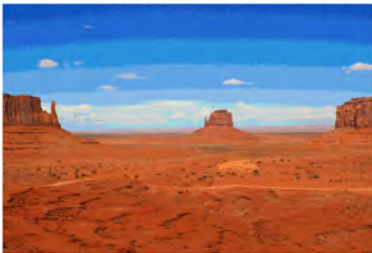
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Conner Moehring



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name: Mimoso Federal SWD 003

Work Order: E212094

Job Number: 22113-0001

Received: 12/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/22

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/20/22



Conner Moehring
310 West Wall St. Suite 415
Midland, TX 79701

Project Name: Mimosa Federal SWD 003
Workorder: E212094
Date Received: 12/15/2022 10:30:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/15/2022 10:30:00AM, under the Project Name: Mimosa Federal SWD 003.

The analytical test results summarized in this report with the Project Name: Mimosa Federal SWD 003 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimoso Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/22 11:05
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-2 (3.5')	E212094-01A	Solid	12/06/22	12/15/22	Glass Jar, 4 oz.
T-3 (3.5')	E212094-02A	Solid	12/06/22	12/15/22	Glass Jar, 4 oz.
T-4 (3.5')	E212094-03A	Solid	12/06/22	12/15/22	Glass Jar, 4 oz.



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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T-2 (3.5')

E212094-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Benzene	ND	0.0250	1	12/16/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/16/22	12/17/22	
Toluene	ND	0.0250	1	12/16/22	12/17/22	
o-Xylene	ND	0.0250	1	12/16/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/16/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/16/22	12/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/22	12/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.1 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2251080
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/17/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2251089
Chloride	23.5	20.0	1	12/19/22	12/20/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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T-3 (3.5')

E212094-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Benzene	ND	0.0250	1	12/16/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/16/22	12/17/22	
Toluene	ND	0.0250	1	12/16/22	12/17/22	
o-Xylene	ND	0.0250	1	12/16/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/16/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/16/22	12/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/22	12/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.0 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2251080
Diesel Range Organics (C10-C28)	29.1	25.0	1	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/17/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2251089
Chloride	33.3	20.0	1	12/19/22	12/20/22	



Sample Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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T-4 (3.5')

E212094-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Benzene	ND	0.0250	1	12/16/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/16/22	12/17/22	
Toluene	ND	0.0250	1	12/16/22	12/17/22	
o-Xylene	ND	0.0250	1	12/16/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/16/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/16/22	12/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2251082
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/22	12/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		98.3 %	70-130	12/16/22	12/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2251080
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/17/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/16/22	12/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2251089
Chloride	25.5	20.0	1	12/19/22	12/20/22	



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251082-BLK1)

Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

LCS (2251082-BS1)

Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	4.76	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

Matrix Spike (2251082-MS1)

Source: E212092-22

Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	5.28	0.0250	5.00	ND	106	61-133			
Toluene	5.37	0.0250	5.00	ND	107	61-130			
o-Xylene	5.40	0.0250	5.00	ND	108	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

Matrix Spike Dup (2251082-MSD1)

Source: E212092-22

Prepared: 12/16/22 Analyzed: 12/17/22

Benzene	4.98	0.0250	5.00	ND	99.6	54-133	2.66	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	3.12	20	
Toluene	5.23	0.0250	5.00	ND	105	61-130	2.73	20	
o-Xylene	5.25	0.0250	5.00	ND	105	63-131	2.83	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	3.23	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	3.09	20	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251082-BLK1)

Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.92		8.00		98.9	70-130			

LCS (2251082-BS2)

Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.06		8.00		101	70-130			

Matrix Spike (2251082-MS2)

Source: E212092-22

Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

Matrix Spike Dup (2251082-MSD2)

Source: E212092-22

Prepared: 12/16/22 Analyzed: 12/17/22

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130	3.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251080-BLK1)

Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	55.2		50.0		110	50-200			

LCS (2251080-BS1)

Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	215	25.0	250		86.1	38-132			
Surrogate: <i>n-Nonane</i>	46.6		50.0		93.2	50-200			

Matrix Spike (2251080-MS1)

Source: E212095-04

Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.6	38-132			
Surrogate: <i>n-Nonane</i>	44.6		50.0		89.2	50-200			

Matrix Spike Dup (2251080-MSD1)

Source: E212095-04

Prepared: 12/16/22 Analyzed: 12/16/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.2	38-132	2.78	20	
Surrogate: <i>n-Nonane</i>	49.0		50.0		98.0	50-200			



QC Summary Data

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimosa Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/2022 11:05:46AM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251089-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

Chloride ND 20.0

LCS (2251089-BS1)

Prepared: 12/19/22 Analyzed: 12/19/22

Chloride 260 20.0 250 104 90-110

Matrix Spike (2251089-MS1)

Source: E212092-21

Prepared: 12/19/22 Analyzed: 12/19/22

Chloride 261 20.0 250 ND 104 80-120

Matrix Spike Dup (2251089-MSD1)

Source: E212092-21

Prepared: 12/19/22 Analyzed: 12/20/22

Chloride 259 20.0 250 ND 104 80-120 0.511 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Carmona Resources 310 West Wall St. Suite 415 Midland TX, 79701	Project Name: Mimoso Federal SWD 003 Project Number: 22113-0001 Project Manager: Conner Moehring	Reported: 12/20/22 11:05
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Envirotech Analytical Laboratory

Printed: 12/16/2022 12:55:22PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Carmona Resources	Date Received:	12/15/22 10:30	Work Order ID:	E212094
Phone:	(432) 813-6823	Date Logged In:	12/15/22 11:17	Logged In By:	Caitlin Christian
Email:	cmochring@carmonaresouces.com	Due Date:	12/21/22 17:00 (4 day TAT)		

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: UPS

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Comments/Resolution

Time sampled not provided on COC by client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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 207695

CONDITIONS

Operator: Silverback Operating II, LLC 19707 IH10 West, Suite 201 San Antonio, TX 78256	OGRID: 330968
	Action Number: 207695
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2227144903 MIMOSA FED #3 SWD, thank you. This closure is approved.	9/1/2023