CARMONA RESOURCES

SITE INFORMATION

Closure Report
Dayton Water Recycle
Eddy County, New Mexico
Incident ID: NAPP2230640215
Unit G Sec 27 T18S R26E
32.719355°, -104.368382°

Produced Water Release
Point of Release: Tank Overflow
Release Date: 10.30.2022
Volume Released: 5 barrels of Produced Water
Volume Recovered: 5 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

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

CARMONA RESOURCES

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

CARMONA RESOURCES

May 15, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 4
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Closure Report
Dayton Water Recycle
Silverback Operating II, LLC
Site Location: Unit G, S27, T18S, R26E
(Lat 32.719355º, Long -104.368382º)
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 assessment activities for the site Dayton Water Recycle. The site is located at 32.719355°, -104.368382° within Unit G, S27, T18S, R26E, and in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on October 30, 2022, due to an automation error that led to a tank overflow. It released approximately five (5) barrels of produced water and recovered five (5) barrels of produced water. The impacted area occurred 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 low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, four (4) known water features are within a 0.50-mile radius of the location. The nearest identified well is approximately 0.10 miles South of the site in S28, T18S, R26E and was drilled in 2013. The well has a reported depth to groundwater of 85' feet below the ground surface (ft bgs). The following closest well is approximately 0.30 miles East of the site in S27, T18S, R26E and was drilled in 2004. The well has a reported depth to groundwater of 75' feet below the ground surface (ft bgs). The third closest well is approximately 0.47 miles Northwest of the site in S27, T18S, R26E and was drilled in 1977. The well has a reported depth to groundwater of 85' feet below the ground surface (ft bgs). The fourth closest well is approximately 0.49 miles South of the site in S27, T18S, R26E and was drilled in 1997. The well has a reported depth to groundwater of 60' feet below the ground surface (ft bgs). The spill is within approximately 460’ of a freshwater well. A copy of the associated Summary Report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.

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- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On November 21, 2022, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. To assess the vertical and horizontal extent, three (3) sample points (S-1 through S-3) and four (4) horizontal points (H-1 through H-4) were advanced to depths ranging from the surface to 1.0' bgs inside the release area. See Figure 3 for the 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.

Vertical delineation was not achieved due to a dense geological formation.

Trenching Activities

On December 8, 2022, Carmona Resources, LLC returned to the site to evaluate soil impacts stemming from the release using a backhoe. Three (3) trenches (T-1 through T-3) were advanced to depths ranging from the surface to 4.0' bgs inside the release area to assess the vertical extent. See Figure 3 for the 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.

Vertical delineation was achieved in all areas. See Table 1 for the analytical results.

5.0 Remediation Activities

Carmona Resources personnel were onsite to supervise the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on April 11, 2023, per Subsection D of 19.15.29.12 NMAC. See Appendix C. The area of S-1/T-1 was excavated to a depth of 2.5' below the surface, and the areas of S-2/T-2 and S-3/T-3 were excavated to a depth of 2.0' below the surface to remove all the impacted soils. A total of seven (7) floor confirmation samples were collected (CS-1 through CS-7), and seven (7) sidewall samples (SW-1 through SW-7) were collected every 200 square feet to ensure the proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride except for confirmation samples (CS-3 and SW-2). The confirmation sample (CS-3) showed high chloride values at 928 mg/kg and was excavated another 0.25' below the surface to remove contaminated soil. The sidewall sample (SW-2) showed high chloride values at 1,310 mg/kg and was excavated another 1.0' to remove contaminated soil. After the additional excavation the samples recollected and turned into the lab.

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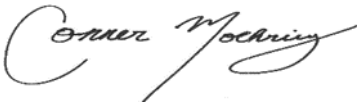
Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 160 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and 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



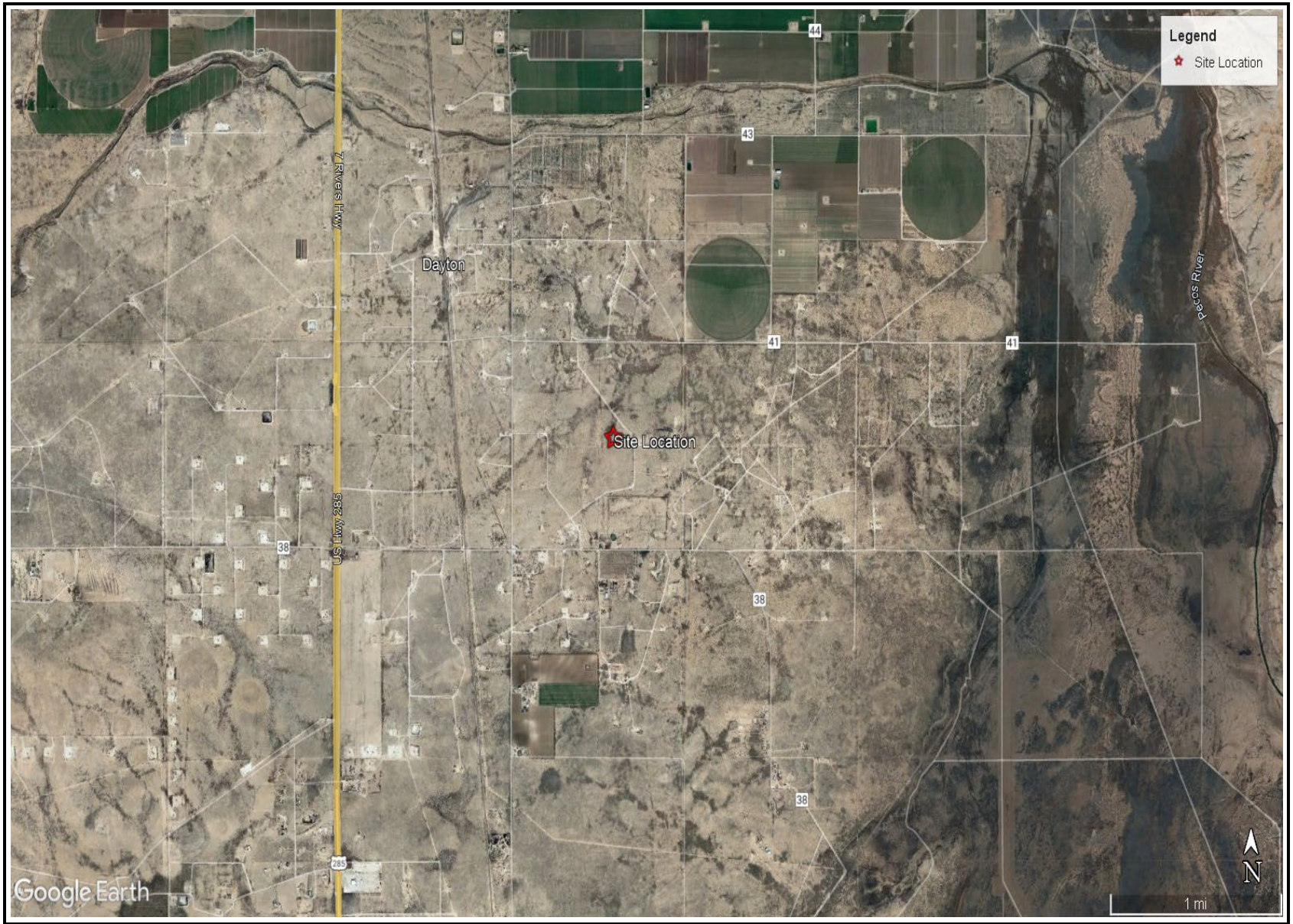
Mike Carmona
Environmental Manager

Conner Moehring
Sr. Project Manager

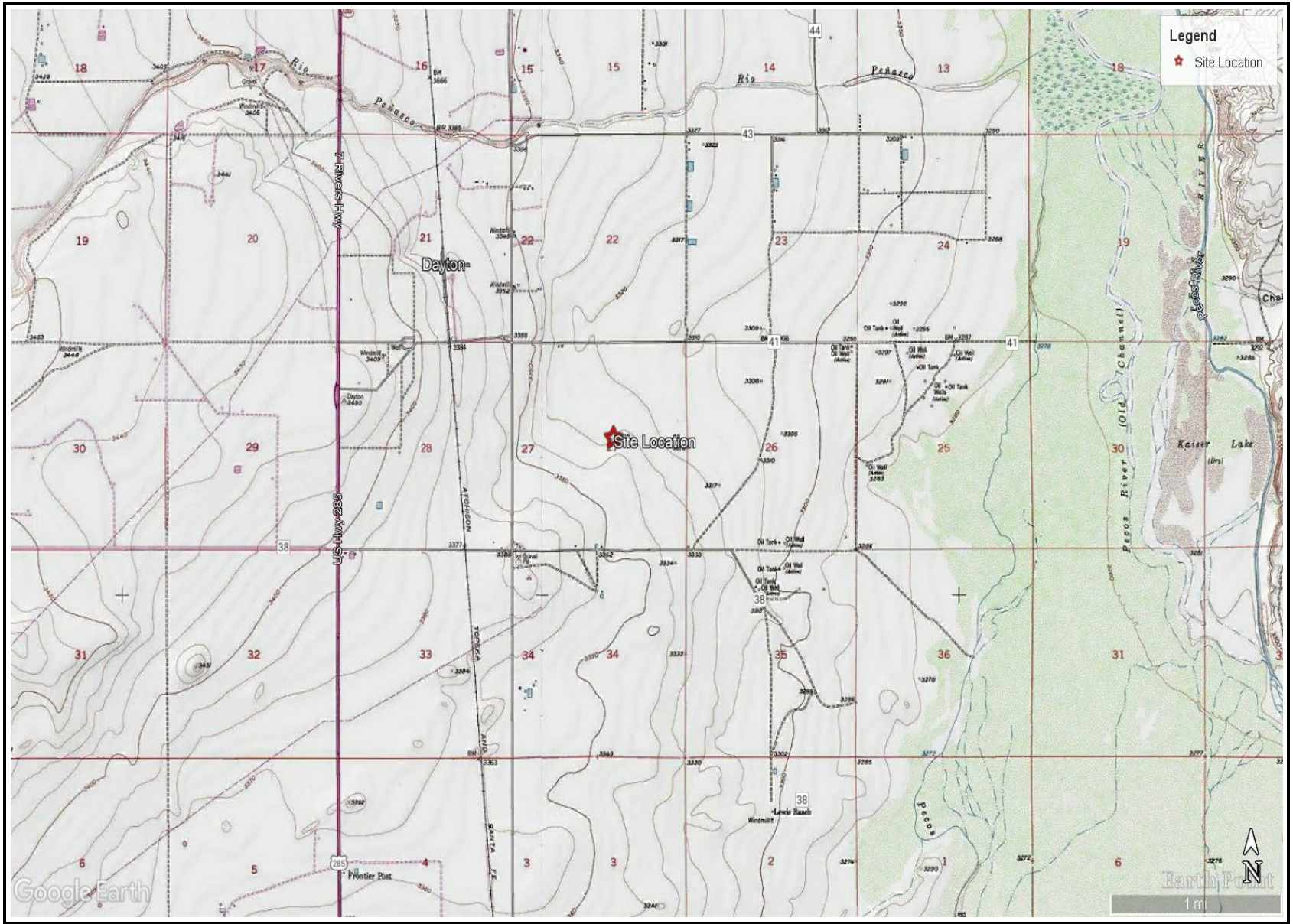
310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

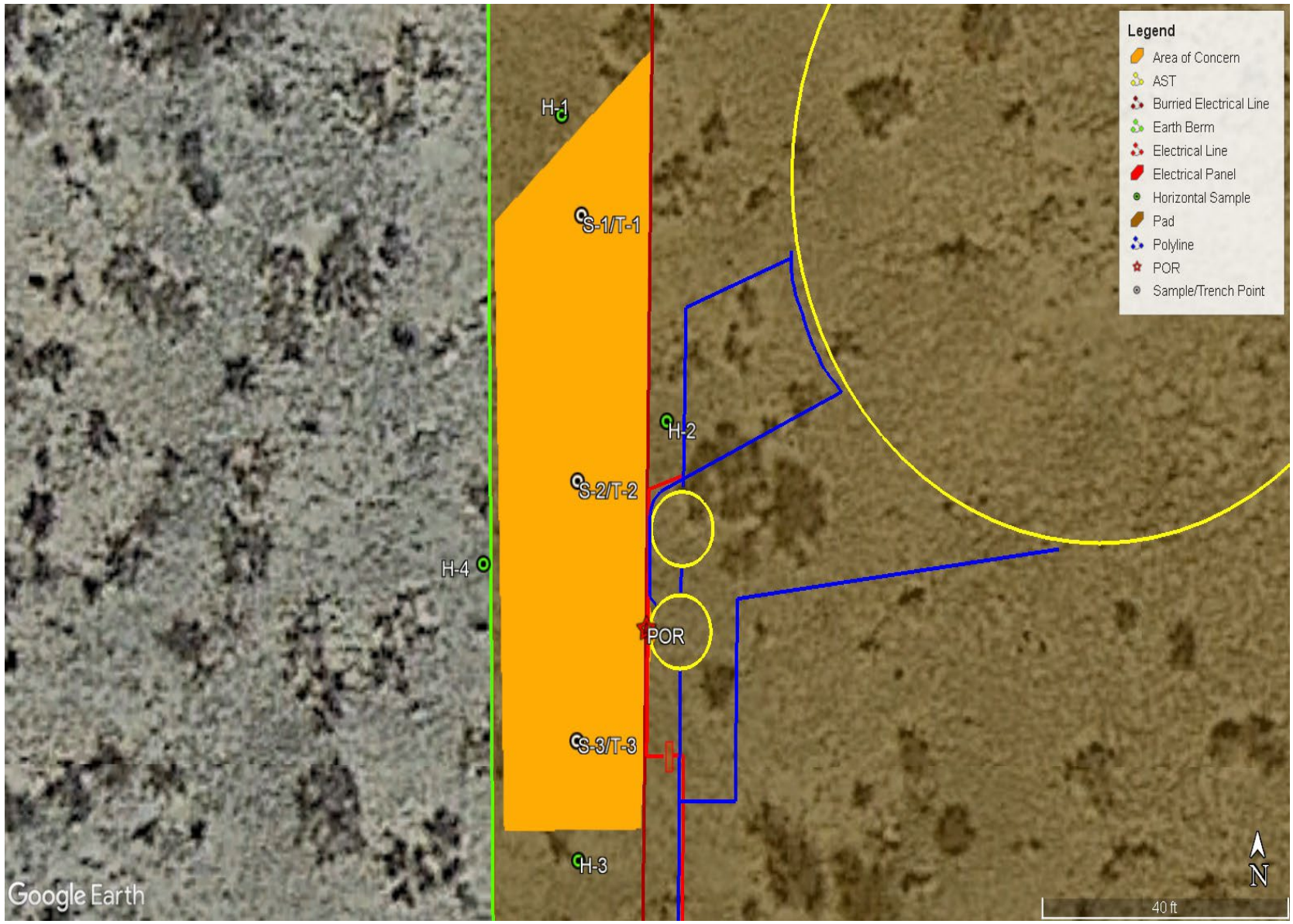
CARMONA RESOURCES



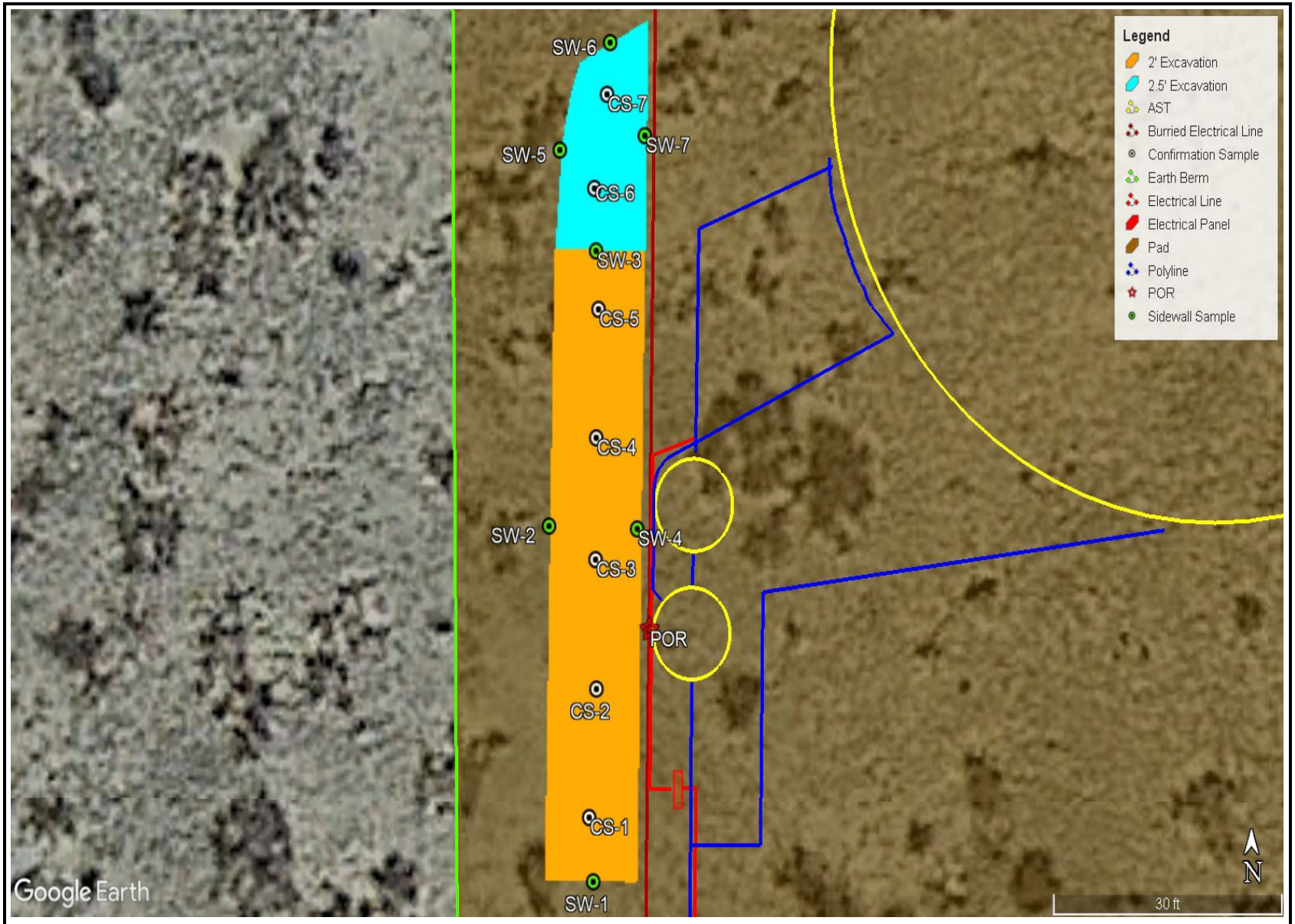
OVERVIEW MAP SILVERBACK EXPLORATION DAYTON WATER RECYCLE EDDY COUNTY, NEW MEXICO 32.719355°, -104.368382°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP SILVERBACK EXPLORATION DAYTON WATER RECYCLE EDDY COUNTY, NEW MEXICO 32.719355°, -104.368382°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP SILVERBACK EXPLORATION DAYTON WATER RECYCLE EDDY COUNTY, NEW MEXICO 32.719355°, -104.368382°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP SILVERBACK EXPLORATION DAYTON WATER RECYCLE EDDY COUNTY, NEW MEXICO 32.719355°, -104.368382°	CARMONA RESOURCES	FIGURE 4

APPENDIX A

CARMONA RESOURCES

Table 1
Silverback Exploration
Dayton Water Recycle
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	11/21/2022	0-1	34.3	**3,180**	ND	**3,214**	ND	0.460	1.76	3.12	5.34	**8,970**
T-1	12/8/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6,350**
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2,450**
	"	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	**773**
	"	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	"	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	91.6
S-2	11/21/2022	0-1	ND	ND	ND	ND	ND	ND	0.0586	ND	0.0586	**10,700**
T-2	12/8/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6,060**
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3,980**
	"	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	301
	"	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.0
	"	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.5
S-3	11/21/2022	0-1	ND	ND	ND	ND	ND	ND	0.0703	0.0946	0.165	**6,090**
T-3	12/8/2022	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.5
	"	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	**627**
	"	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	171
	"	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	"	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	85.6
H-1	11/21/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	217
H-2	11/21/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	74.5
H-3	11/21/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.2
H-4	11/21/2022	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.7
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(S) Sample Point

(H) Horizontal

(T) - Trench

Removed

Table 2
Silverback Exploration
Dayton Water Recycle
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-2	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-3	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**928**
	5/2/2023	2.3	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-4	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
CS-5	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
CS-6	4/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
CS-7	4/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-1	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-2	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	**1,310**
	5/2/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-3	4/13/2023	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-4	4/13/2023	2.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-5	4/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-6	4/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	112
SW-7	4/13/2023	2.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(CS) Confirmation Smaple

(SW) Sidewall Sample

Removed

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

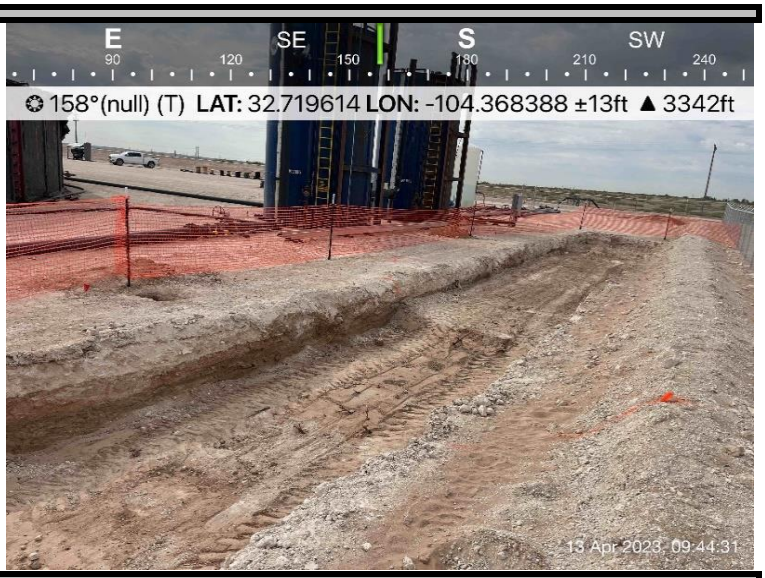
Silverback Operating II, LLC

Photograph No. 1

Facility: Dayton Water Recycle

County: Eddy County, New Mexico

Description:
View South, area of CS-1 through CS-7.



Photograph No. 2

Facility: Dayton Water Recycle

County: Eddy County, New Mexico

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

Photograph No. 3

Facility: Dayton Water Recycle

County: Eddy County, New Mexico

Description:
View North, area of CS-5 through CS-7.

CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: Mark Ritchie Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Enviro, OCD, EMNRD
Sent: Tuesday, April 11, 2023 9:45 AM
To: Mike Carmona; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
Cc: mritchie@silverbackexp.com; Conner Moehring
Subject: RE: [EXTERNAL] Silverback Operating Dayton Water Recycle Sampling Notification -Incident No. nAPP2230640215

Mike,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Mike Carmona <Mcarmona@carmonaresources.com>
Sent: Tuesday, April 11, 2023 8:09 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: mritchie@silverbackexp.com; Conner Moehring <Cmoehring@carmonaresources.com>
Subject: [EXTERNAL] Silverback Operating Dayton Water Recycle Sampling Notification -Incident No. nAPP2230640215

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

Good morning,

This email serves as a notification for confirmation sampling on the Silverback-Dayton Water Recycle facility. Sampling is scheduled to begin as early as Thursday, April 13th. Carmona Resources personnel will be on-site to collect the confirmation samples.

Incident No. nAPP2230640215

Mike J. Carmona
310 West Wall Street, Suite 500
Midland TX, 79701
M: 432-813-1992
Mcarmona@carmonaresources.com

CARMONA RESOURCES

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

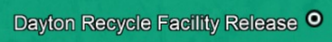
Silverback Exploration

Low Karst

Silverback Exploration

Legend

- Dayton Recycle Facility Release
- High
- Low
- Medium



N

1 mi

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

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

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

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

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 11890 POD1	RA	ED	1	1	4	28	18S	26E	559161	3620210	155	175	85	90
RA 10490	RA	ED		4	2	27	18S	26E	559659	3620486*	481	200	75	125
RA 03055	RA	ED	1	2	1	27	18S	26E	558757	3620986*	760	146	85	61
RA 04003	RA	ED	3	3	4	27	18S	26E	559161	3619578*	785	100		
RA 09437	RA	ED	3	3	4	27	18S	26E	559161	3619578*	785	120	60	60
RA 12961 POD1	RA	ED	4	3	3	27	18S	26E	558578	3619477	1077	215	180	35
RA 11952 POD1	RA	ED	4	2	2	28	18S	26E	558153	3620727	1101	170	90	80
RA 01881	RA	ED		3	3	26	18S	26E	560060	3619681*	1102	2450		
RA 04701	RA	ED		3	3	22	18S	26E	558456	3621290*	1184	80	55	25
RA 05425	RA	ED		4	4	28	18S	26E	558060	3619677*	1324	160	90	70
RA 11506 POD1	RA	ED	1	3	3	22	18S	26E	558290	3621345	1334	160	78	82
RA 04046	RA	ED			4	28	18S	26E	557859	3619879*	1419	125		
RA 07408	RA	ED	2	4	4	21	18S	26E	558152	3621389*	1462	155	85	70
RA 03771	RA	ED	3	1	3	22	18S	26E	558354	3621592*	1488	110	75	35
RA 12890 POD1	RA	ED	2	4	4	21	18S	26E	558105	3621429	1524	180	102	78
RA 04022	RA	CH		2	1	35	18S	26E	560465	3619281*	1669	520		
RA 09874	RA	ED		2	1	35	18S	26E	560465	3619281*	1669	150		
RA 04018	RA	CH	3	3	4	26	18S	26E	560762	3619581*	1752	250		
RA 07654	RA	ED		2	4	21	18S	26E	558052	3621693*	1752	180	170	10
RA 06828	RA	CH			4	21	18S	26E	557851	3621491*	1753	130	105	25
RA 07242 EXP	RA	ED		3	4	26	18S	26E	560863	3619682*	1803	102	55	47
RA 07243 EXP	RA	ED		3	4	26	18S	26E	560863	3619682*	1803	110	50	60
RA 01296	RA	ED	3	3	1	23	18S	26E	559954	3622001*	1806	180	80	100
RA 03598	RA	ED	1	3	2	22	18S	26E	559154	3622198*	1835	1815		
RA 09466	RA	ED	3	3	1	22	18S	26E	558353	3621996*	1836	160	70	90
RA 03340	RA	ED		3	1	22	18S	26E	558454	3622097*	1885	100	60	40

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 03580		RA	ED		3	1	22	18S	26E	558454	3622097*	1885	1700		
RA 04287		RA	ED	1	2	4	21	18S	26E	557951	3621792*	1893	170	140	30
RA 09763		RA	ED	4	1	4	21	18S	26E	557748	3621592*	1897	240	140	100
RA 07219		RA	ED			4	26	18S	26E	561064	3619883*	1931	110	50	60
RA 01144 -S		RA	CH		3	1	23	18S	26E	560055	3622102*	1941	809		
RA 01296 CLW229885	O	RA	ED	1	3	1	23	18S	26E	559954	3622201*	1989	180	70	110
RA 01703 REPAR		RA	ED		1	3	34	18S	26E	558468	3618471*	2025	735		
RA 02786		RA	CH	1	2	1	28	18S	26E	557148	3620987*	2138	250	60	190
RA 01703		RA	ED	3	1	3	34	18S	26E	558367	3618370*	2156	735		
RA 01703 CLW		RA	ED	3	1	3	34	18S	26E	558367	3618370*	2156	871		
RA 01703 REPAR 2		RA	ED	3	1	3	34	18S	26E	558367	3618370*	2156	754	70	684
RA 01858		RA	ED	3	1	3	34	18S	26E	558367	3618370*	2156	735		
RA 02804		RA	CH	3	1	3	34	18S	26E	558367	3618370	2156	750		
RA 02804 POD2		RA	ED	3	1	3	34	18S	26E	558425	3618324	2177	200	168	32
RA 02627		RA	ED	1	2	2	35	18S	26E	561169	3619382*	2205	75	40	35
RA 11784 POD1		RA	ED	1	2	2	22	18S	26E	559480	3622632	2288	154	98	56
RA 06102		RA	ED				21	18S	26E	557447	3621893*	2321	202	136	66
RA 03599		RA	ED	2	1	1	22	18S	26E	558552	3622599*	2326	1765		
RA 04004		RA	ED	3	2	2	21	18S	26E	557948	3622399*	2387	140		
RA 08976		RA	ED	2	3	3	21	18S	26E	556943	3621389*	2473	225	120	105
RA 06979		RA	ED		1	1	25	18S	26E	561660	3620896*	2523	100		
RA 06029		RA	ED		3	3	21	18S	26E	556844	3621290*	2525	183	140	43
RA 07394		RA	ED	3	3	3	34	18S	26E	558369	3617968*	2532	166	100	66
RA 09207		RA	ED	2	4	3	35	18S	26E	560574	3618175*	2586	140	50	90
RA 09208		RA	ED	2	4	3	35	18S	26E	560574	3618175*	2586	160	50	110
RA 09209		RA	ED	2	4	3	35	18S	26E	560574	3618175*	2586	105	45	60
RA 09210		RA	ED	2	4	3	35	18S	26E	560574	3618175*	2586	140	50	90
RA 12706 POD1		RA	ED	4	1	3	21	18S	26E	556871	3621549	2608	210	140	70
RA 01474 REPAR		RA	ED	1	1	1	33	18S	26E	556754	3619377*	2630	200		

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

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

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

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

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

POD Number		POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 01474 SUP		RA	ED	1	1	1	33	18S	26E	556754	3619377*	2630	210		
RA 01474 CLW		RA	ED	2	3	1	33	18S	26E	556956	3618975*	2632	225		
RA 09374		RA	ED	2	1	1	25	18S	26E	561759	3620995*	2642	101		
RA 11480 POD1		RA	ED	2	1	3	21	18S	26E	556958	3621808	2662	199	175	24
RA 09286		RA	ED	2	4	4	29	18S	26E	556550	3619778*	2706	300		
RA 00773		RA	ED		1	2	23	18S	26E	560856	3622508*	2714			
RA 00774		RA	ED		1	2	23	18S	26E	560856	3622508*	2714			
RA 00775		RA	ED		1	2	23	18S	26E	560856	3622508*	2714	900		
RA 01474		RA	ED	4	3	1	33	18S	26E	556956	3618775*	2743	300		
RA 09211		RA	ED	4	4	3	35	18S	26E	560574	3617975*	2758	100	45	55
RA 09212		RA	ED	4	4	3	35	18S	26E	560574	3617975*	2758	120	45	75
RA 09213		RA	ED	4	4	3	35	18S	26E	560574	3617975*	2758	120	45	75
RA 09214		RA	ED	4	4	3	35	18S	26E	560574	3617975*	2758	100	45	55
RA 01296 S3		RA	ED	1	3	3	15	18S	26E	558351	3623003*	2771	230	70	160
RA 01296 S5		RA	ED	1	3	3	15	18S	26E	558351	3623003*	2771	223	35	188
RA 01446 CLW		RA	ED	1	3	3	15	18S	26E	558351	3623003*	2771	165	42	123
RA 02800		RA	ED	1	3	3	15	18S	26E	558351	3623003*	2771	102	30	72
RA 12897 POD1		RA	ED	1	4	1	21	18S	26E	557046	3622199	2825	180	120	60
RA 08812 REPAR		RA	ED		4	4	29	18S	26E	556451	3619679*	2826	350	150	200
RA 01884		RA	ED	1	1	3	21	18S	26E	556741	3621792*	2838	127		
RA 13107 POD1		RA	ED	4	2	4	20	18S	26E	556595	3621516	2843	185	166	19
RA 04309		RA	ED			1	21	18S	26E	557041	3622297*	2893	180		
RA 12364 POD1		RA	ED	1	3	2	03	19S	26E	559177	3617411	2951	195	155	40
L 04209 POD3		L	LE	2	2	2	04	19S	36E	560772	3617845	2970	162	72	90
RA 05241		RA	ED		3	4	16	18S	26E	557644	3622903*	2975	200	100	100
RA 03900		RA	ED	1	3	1	24	18S	26E	561557	3622206*	2997	845	90	755
RA 01446		RA	ED		1	3	15	18S	26E	558450	3623307*	3036	175		
RA 11874 POD1	R	RA	ED	3	1	2	02	19S	26E	560707	3617638	3116	140	40	100
RA 11874 POD2		RA	ED	3	1	2	02	19S	26E	560710	3617630	3125	125	58	67

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

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POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 12483 POD5		RA	ED	1	4	4	14	18S	26E	561126	3622920	3205	59	53	6
RA 12483 POD4		RA	ED	1	4	4	14	18S	26E	561086	3622959	3214	60	48	12
RA 12483 POD1		RA	ED	1	4	4	14	18S	26E	561070	3623006	3242	72	55	17
RA 12483 POD2		RA	ED	1	4	4	14	18S	26E	561084	3622999	3245	62	51	11
RA 12483 POD3		RA	ED	1	4	4	14	18S	26E	561120	3623003	3269	58	47	11
RA 07526		RA	ED		4	2	04	19S	26E	558076	3617273*	3285	140	95	45
RA 07562		RA	ED	4	4	2	04	19S	26E	558175	3617172*	3348	161	125	36
RA 03499		RA	ED		3	2	15	18S	26E	559251	3623715*	3353	616	40	576
RA 03499 CLW261762	O	RA	ED		3	2	15	18S	26E	559251	3623715*	3353	616	40	576
RA 03585		RA	ED	4	1	4	14	18S	26E	560955	3623216*	3353	1849		
RA 03750		RA	ED		3	4	24	18S	26E	562465	3621299*	3403	110	35	75
RA 12698 POD1		RA	ED	4	4	1	02	19S	26E	560619	3617198	3470	140	90	50
RA 12572 POD1		RA	ED	4	4	1	02	19S	26E	560592	3617171	3484	159		
RA 11179 POD2		RA	ED	4	4	2	16	18S	26E	558180	3623696	3484	71	60	11
RA 06431		RA	ED	1	1	1	04	19S	26E	556765	3617775*	3548	200		
RA 02132 B		RA	ED	1	2	1	24	18S	26E	561958	3622611*	3563	166		
RA 11179 POD1		RA	ED	2	3	2	16	18S	26E	558172	3623807	3593	74	60	14
RA 03618		RA	ED		3	2	20	18S	26E	556037	3622093*	3599	1838		
RA 01343 CLW	O	RA	CH	1	2	4	14	18S	26E	561157	3623417*	3631	150	23	127
RA 04160		RA	ED	1	4	1	29	18S	26E	555542	3620580*	3657	160	100	60
RA 07324		RA	ED		2	4	04	19S	26E	558080	3616870*	3665	150	105	45
RA 12771 POD1		RA	ED	1	1	4	04	19S	26E	557469	3617067	3718	250	150	100
RA 11682 POD2		RA	ED	4	2	2	16	18S	26E	558236	3623959	3721	98		
RA 10246		RA	ED	3	4	2	02	19S	26E	561189	3617174*	3761	220	50	170
RA 04283		RA	LE	1	4	3	20	18S	26E	555538	3621384*	3795	158	125	33
RA 06995		RA	ED		1	4	04	19S	26E	557679	3616869*	3807	150	100	50
RA 08875		RA	ED	1	2	2	05	19S	26E	556362	3617773*	3836	220	150	70
RA 12740 POD1		RA	ED	2	3	2	14	18S	26E	560985	3623759	3841	150	86	64
RA 12238 POD1		RA	ED	2	4	4	04	19S	26E	558180	3616638	3859	171	103	68

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

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POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 02389	RA	ED	1	2	2	15	18S	26E	559551	3624221*	3875	209		
RA 03600	RA	ED	2	3	2	14	18S	26E	560956	3623821*	3881	955		
RA 03731	RA	ED	1	1	1	14	18S	26E	559953	3624223*	3934	120	30	90
RA 08097	RA	ED	3	2	2	05	19S	26E	556362	3617573*	3974	210	120	90
RA 11036 POD1	RA	ED	2	4	2	05	19S	26E	556567	3617370*	3981	210	110	100

Average Depth to Water: **84 feet**

Minimum Depth: **23 feet**

Maximum Depth: **180 feet**

Record Count: 118

UTMNAD83 Radius Search (in meters):

Easting (X): 559193.13 **Northing (Y):** 3620362.44 **Radius:** 4000

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

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 11890 POD1	1	1	4	28	18S	26E	559161	3620210

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN

Driller Name: MARTIN, DELFORD

Drill Start Date:	01/12/2013	**Drill Finish Date:**	01/20/2013	**Plug Date:**	
Log File Date:	01/31/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	10 GPM
Casing Size:	5.50	**Depth Well:**	175 feet	**Depth Water:**	85 feet

Water Bearing Stratifications:	Top	Bottom	Description
	144	175	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	95	175

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	Twn	Rng	X	Y
	RA 10490	4	2		27	18S	26E	559659	3620486*

Driller License: 1229 **Driller Company:** CARTER'S WELL DRILLING

Driller Name: CARTER, RICHARD M.

Drill Start Date:	03/18/2004	**Drill Finish Date:**	04/20/2004	**Plug Date:**	
Log File Date:	06/01/2004	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	4.50	**Depth Well:**	200 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	100	110	Other/Unknown
	185	190	Other/Unknown

Casing Perforations:	Top	Bottom
	100	200

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twsp	Rng	X	Y
	RA 03055	1	2	1	27	18S	26E	558757	3620986*

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

Driller License: 460 **Driller Company:** JENKINS BROTHERS DRILLING

Driller Name:

Drill Start Date: 04/21/1977 **Drill Finish Date:** 04/23/1977 **Plug Date:**

Log File Date: 05/03/1977 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: 7.00 **Depth Well:** 146 feet **Depth Water:** 85 feet

Water Bearing Stratifications:	Top	Bottom	Description
	105	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	140

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

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 09437	3	3	4	27	18S	26E	559161	3619578*

Driller License: 763 **Driller Company:** C & R DRILLING

Driller Name: FELKINS, CLIFTON L.

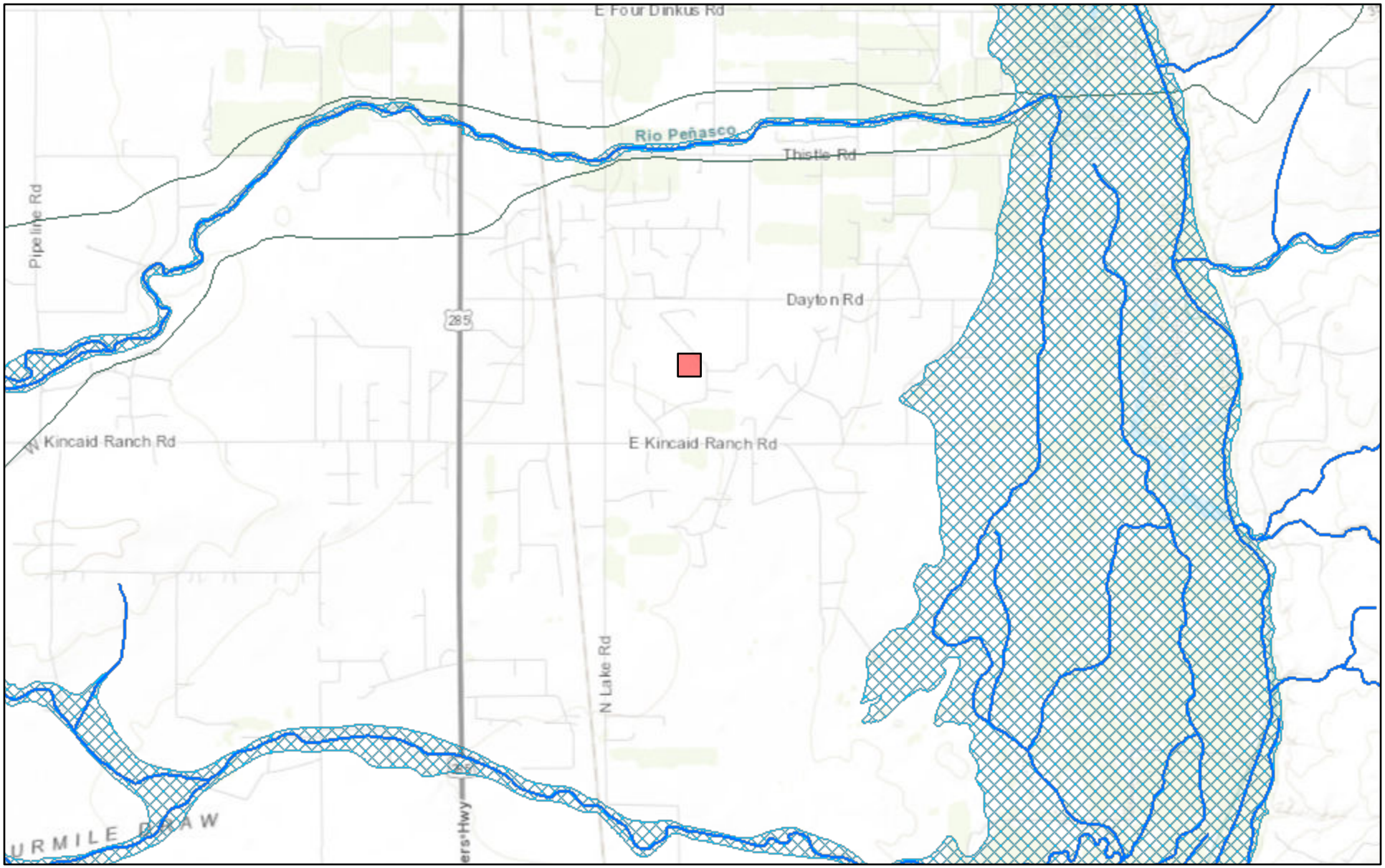
Drill Start Date:	09/10/1997	**Drill Finish Date:**	09/11/1997	**Plug Date:**	
Log File Date:	09/16/1997	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	15 GPM
Casing Size:	4.00	**Depth Well:**	120 feet	**Depth Water:**	60 feet

Water Bearing Stratifications:	Top	Bottom	Description
	68	115	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	100	120

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

New Mexico NFHL Data



November 23, 2022

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

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

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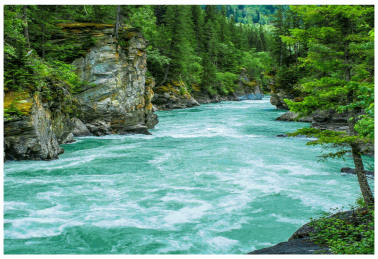
APPENDIX E

CARMONA RESOURCES

Report to:

Conner Moehring



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

NELAP ACCREDITED TNI LABORATORY

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Analytical Report

Carmona Resources

Project Name:	Dayton Water Recycle
Work Order:	E211161
Job Number:	22113-0001
Received:	11/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/1/22

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.
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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: 12/1/22

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

Project Name: Dayton Water Recycle
Workorder: E211161
Date Received: 11/29/2022 11:00:00AM

Conner Moehring,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/29/2022 11:00:00AM, under the Project Name: Dayton Water Recycle.

The analytical test results summarized in this report with the Project Name: Dayton Water Recycle 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 reguarding 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,

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Table of Contents

Sample Summary

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/01/22 14:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (0 - 1')	E211161-01A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
S-2 (0 - 1')	E211161-02A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
S-3 (0.1')	E211161-03A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
H-1 (0 - 5')	E211161-04A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
H-2 (0 - 5')	E211161-05A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
H-3 (0 - 5')	E211161-06A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.
H-4 (0 - 5')	E211161-07A	Soil	11/21/22	11/29/22	Glass Jar, 4 oz.

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

S-1 (0 - 1')

E211161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	**1.76**	0.0250	1	11/29/22	11/30/22	
Toluene	**0.460**	0.0250	1	11/29/22	11/30/22	
o-Xylene	**1.08**	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	**2.03**	0.0500	1	11/29/22	11/30/22	
Total Xylenes	**3.12**	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	**34.3**	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.2 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	**3180**	500	20	11/29/22	11/29/22	
Oil Range Organics (C28-C36)	ND	1000	20	11/29/22	11/29/22	
Surrogate: n-Nonane		*116 %*	*50-200*	*11/29/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**8970**	100	5	11/29/22	12/01/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

S-2 (0 - 1')

E211161-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	**0.0586**	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	ND	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	ND	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.8 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/29/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/29/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**10700**	400	20	11/29/22	11/30/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

S-3 (0.1')

E211161-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	**0.0703**	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	**0.0946**	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	**0.0946**	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.0 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/29/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/29/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**6090**	100	5	11/29/22	11/30/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

H-1 (0 - 5')

E211161-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	ND	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	ND	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	ND	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/29/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*11/29/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**217**	20.0	1	11/29/22	11/30/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

H-2 (0 - 5')

E211161-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	ND	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	ND	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	ND	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.4 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.8 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/29/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/29/22*	*11/29/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**74.5**	20.0	1	11/29/22	11/30/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

H-3 (0 - 5')

E211161-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	ND	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	ND	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	ND	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/30/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/29/22*	*11/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**64.2**	20.0	1	11/29/22	11/30/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

H-4 (0 - 5')

E211161-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Benzene	ND	0.0250	1	11/29/22	11/30/22	
Ethylbenzene	ND	0.0250	1	11/29/22	11/30/22	
Toluene	ND	0.0250	1	11/29/22	11/30/22	
o-Xylene	ND	0.0250	1	11/29/22	11/30/22	
p,m-Xylene	ND	0.0500	1	11/29/22	11/30/22	
Total Xylenes	ND	0.0250	1	11/29/22	11/30/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2249018
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/29/22	11/30/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*11/29/22*	*11/30/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2249022
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/22	11/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/22	11/30/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/29/22*	*11/30/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2249027
Chloride	**35.7**	20.0	1	11/29/22	11/30/22	

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249018-BLK1)									Prepared: 11/29/22 Analyzed: 11/29/22
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	*7.81*		*8.00*		*97.6*	*70-130*			
LCS (2249018-BS1)									Prepared: 11/29/22 Analyzed: 11/29/22
Benzene	4.47	0.0250	5.00		89.5	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.0	70-130			
Toluene	4.68	0.0250	5.00		93.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130			
Total Xylenes	14.1	0.0250	15.0		93.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.7*	*70-130*			
Matrix Spike (2249018-MS1)				**Source: E211158-01**					Prepared: 11/29/22 Analyzed: 11/29/22
Benzene	4.84	0.0250	5.00	ND	96.9	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133			
Toluene	5.07	0.0250	5.00	ND	101	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.3*	*70-130*			
Matrix Spike Dup (2249018-MSD1)				**Source: E211158-01**					Prepared: 11/29/22 Analyzed: 11/29/22
Benzene	4.65	0.0250	5.00	ND	92.9	54-133	4.14	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133	3.99	20	
Toluene	4.86	0.0250	5.00	ND	97.2	61-130	4.15	20	
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131	4.09	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	3.98	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	4.01	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249018-BLK1)									Prepared: 11/29/22 Analyzed: 11/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			
LCS (2249018-BS2)									Prepared: 11/29/22 Analyzed: 11/29/22
Gasoline Range Organics (C6-C10)	36.8	20.0	50.0		73.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.81*		*8.00*		*97.6*	*70-130*			
Matrix Spike (2249018-MS2)				**Source: E211158-01**					Prepared: 11/29/22 Analyzed: 11/29/22
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.42*		*8.00*		*92.8*	*70-130*			
Matrix Spike Dup (2249018-MSD2)				**Source: E211158-01**					Prepared: 11/29/22 Analyzed: 11/29/22
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0	ND	98.8	70-130	1.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.8*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249022-BLK1)									Prepared: 11/29/22 Analyzed: 11/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			
LCS (2249022-BS1)									Prepared: 11/29/22 Analyzed: 11/29/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	*57.7*		*50.0*		*115*	*50-200*			
Matrix Spike (2249022-MS1)				**Source: E211158-03**					Prepared: 11/29/22 Analyzed: 11/30/22
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.1*	*50-200*			
Matrix Spike Dup (2249022-MSD1)				**Source: E211158-03**					Prepared: 11/29/22 Analyzed: 11/29/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.283	20	
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/1/2022 2:48:58PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2249027-BLK1)									Prepared: 11/29/22 Analyzed: 11/30/22
Chloride	ND	20.0							
LCS (2249027-BS1)									Prepared: 11/29/22 Analyzed: 11/30/22
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2249027-MS1)				**Source: E211161-01**					Prepared: 11/29/22 Analyzed: 12/01/22
Chloride	8350	100	250	8970	NR	80-120			M2
Matrix Spike Dup (2249027-MSD1)				**Source: E211161-01**					Prepared: 11/29/22 Analyzed: 12/01/22
Chloride	9080	100	250	8970	46.0	80-120	8.45	20	M2

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:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/01/22 14:48

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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: E211161

Job# 22113-0001

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Water Recycle	Turn Around	☑ Routine ☐ Rush
Project Number:	1187	Due Date:	
Project Location	Eddy County, New Mexico		
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
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:	

ANALYSIS REQUEST

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
S-1 (0-1')	11/21/2022		X		G	1		X	X	X	1
S-2 (0-1')	11/21/2022		X		G	1		X	X	X	2
S-3 (0.1')	11/21/2022		X		G	1		X	X	X	3
H-1 (0-5')	11/21/2022		X		G	1		X	X	X	4
H-2 (0-5')	11/21/2022		X		G	1		X	X	X	5
H-3 (0-5')	11/21/2022		X		G	1		X	X	X	6
H-4 (0-5')	11/21/2022		X		G	1		X	X	X	7

Comments: Email Results to Mcarmona@carmonaresources.com & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	11/22/22		11.22.22
	11.28.22		11.29.22

Envirotech Analytical Laboratory

Printed: 11/30/2022 10:38:00AM

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:	11/29/22 11:00	Work Order ID:	E211161
Phone:	(432) 813-6823	Date Logged In:	11/29/22 11:30	Logged In By:	Alexa Michaels
Email:	cmoehring@carmonaresouces.com	Due Date:	12/01/22 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	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

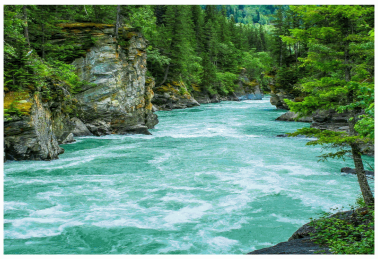
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Conner Moehring



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Carmona Resources

Project Name:	Dayton Water Recycle
Work Order:	E212091
Job Number:	22113-0001
Received:	12/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/22

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: Dayton Water Recycle
Workorder: E212091
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: Dayton Water Recycle.

The analytical test results summarized in this report with the Project Name: Dayton Water Recycle 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 reguarding 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
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/22 09:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
T-1 (0 - 1')	E212091-01A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-1 (1.5')	E212091-02A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-1 (2')	E212091-03A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-1 (3')	E212091-04A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-1 (4')	E212091-05A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-2 (0 - 1')	E212091-06A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-2 (1.5')	E212091-07A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-2 (2')	E212091-08A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-2 (3')	E212091-09A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-2 (4')	E212091-10A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-3 (0 - 1')	E212091-11A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-3 (1.5')	E212091-12A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-3 (2')	E212091-13A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-3 (3')	E212091-14A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.
T-3 (4')	E212091-15A	Soil	12/08/22	12/15/22	Glass Jar, 4 oz.

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-1 (0 - 1')

E212091-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**6350**	100	5	12/16/22	12/19/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-1 (1.5')

E212091-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.1 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**2450**	40.0	2	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-1 (2')

E212091-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**773**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-1 (3')

E212091-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	ND	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-1 (4')

E212091-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.9 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**91.6**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-2 (0 - 1')

E212091-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**6060**	40.0	2	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-2 (1.5')

E212091-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**3980**	40.0	2	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-2 (2')

E212091-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**301**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-2 (3')

E212091-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**61.0**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-2 (4')

E212091-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**60.5**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-3 (0 - 1')

E212091-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**627**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-3 (1.5')

E212091-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/16/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/16/22	
Toluene	ND	0.0250	1	12/15/22	12/16/22	
o-Xylene	ND	0.0250	1	12/15/22	12/16/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/16/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/16/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*12/15/22*	*12/16/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**171**	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-3 (2')

E212091-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/17/22	
Toluene	ND	0.0250	1	12/15/22	12/17/22	
o-Xylene	ND	0.0250	1	12/15/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.4 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	ND	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-3 (3')

E212091-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/17/22	
Toluene	ND	0.0250	1	12/15/22	12/17/22	
o-Xylene	ND	0.0250	1	12/15/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/22	12/16/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*12/16/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	ND	20.0	1	12/16/22	12/16/22	

Sample Data

Carmona Resources	Project Name:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

T-3 (4')

E212091-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Benzene	ND	0.0250	1	12/15/22	12/17/22	
Ethylbenzene	ND	0.0250	1	12/15/22	12/17/22	
Toluene	ND	0.0250	1	12/15/22	12/17/22	
o-Xylene	ND	0.0250	1	12/15/22	12/17/22	
p,m-Xylene	ND	0.0500	1	12/15/22	12/17/22	
Total Xylenes	ND	0.0250	1	12/15/22	12/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2251073
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/15/22	12/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*12/15/22*	*12/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251092
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	
Surrogate: n-Nonane		*110 %*	*50-200*	*12/16/22*	*12/17/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251086
Chloride	**85.6**	20.0	1	12/16/22	12/16/22	

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251073-BLK1)									Prepared: 12/15/22 Analyzed: 12/16/22
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	*8.07*		*8.00*		*101*	*70-130*			
LCS (2251073-BS1)									Prepared: 12/15/22 Analyzed: 12/19/22
Benzene	4.34	0.0250	5.00		86.9	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.1	70-130			
Toluene	4.58	0.0250	5.00		91.6	70-130			
o-Xylene	4.65	0.0250	5.00		92.9	70-130			
p,m-Xylene	9.17	0.0500	10.0		91.7	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			
Matrix Spike (2251073-MS1)				**Source: E212091-04**					Prepared: 12/15/22 Analyzed: 12/16/22
Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.32	0.0250	5.00	ND	106	61-133			
Toluene	5.42	0.0250	5.00	ND	108	61-130			
o-Xylene	5.44	0.0250	5.00	ND	109	63-131			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2251073-MSD1)				**Source: E212091-04**					Prepared: 12/15/22 Analyzed: 12/16/22
Benzene	4.78	0.0250	5.00	ND	95.7	54-133	7.77	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133	8.02	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	7.92	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	7.32	20	
p,m-Xylene	9.96	0.0500	10.0	ND	99.6	63-131	7.88	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	7.69	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251073-BLK1)									Prepared: 12/15/22 Analyzed: 12/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.6*	*70-130*			
LCS (2251073-BS2)									Prepared: 12/15/22 Analyzed: 12/16/22
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2251073-MS2)				**Source: E212091-04**					Prepared: 12/15/22 Analyzed: 12/16/22
Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.00*		*8.00*		*99.9*	*70-130*			
Matrix Spike Dup (2251073-MSD2)				**Source: E212091-04**					Prepared: 12/15/22 Analyzed: 12/16/22
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	98.9	70-130	13.6	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251092-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: n-Nonane	*56.3*		*50.0*		*113*	*50-200*			
LCS (2251092-BS1)									Prepared: 12/16/22 Analyzed: 12/16/22
Diesel Range Organics (C10-C28)	236	25.0	250		94.6	38-132			
Surrogate: n-Nonane	*53.7*		*50.0*		*107*	*50-200*			
Matrix Spike (2251092-MS1)				**Source: E212091-05**					Prepared: 12/16/22 Analyzed: 12/16/22
Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.0	38-132			
Surrogate: n-Nonane	*56.1*		*50.0*		*112*	*50-200*			
Matrix Spike Dup (2251092-MSD1)				**Source: E212091-05**					Prepared: 12/16/22 Analyzed: 12/16/22
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.7	38-132	0.270	20	
Surrogate: n-Nonane	*55.7*		*50.0*		*111*	*50-200*			

QC Summary Data

Carmona Resources	Project Name:	Dayton Water Recycle	**Reported:**
310 West Wall St. Suite 415	Project Number:	22113-0001	
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/2022 9:58:58AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251086-BLK1)									Prepared: 12/16/22 Analyzed: 12/19/22
Chloride	ND	20.0							
LCS (2251086-BS1)									Prepared: 12/16/22 Analyzed: 12/16/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2251086-MS1)				**Source: E212091-01**					Prepared: 12/16/22 Analyzed: 12/19/22
Chloride	6730	100	250	6350	153	80-120			M4
Matrix Spike Dup (2251086-MSD1)				**Source: E212091-01**					Prepared: 12/16/22 Analyzed: 12/19/22
Chloride	6420	100	250	6350	27.7	80-120	4.75	20	M4

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:	Dayton Water Recycle	
310 West Wall St. Suite 415	Project Number:	22113-0001	**Reported:**
Midland TX, 79701	Project Manager:	Conner Moehring	12/20/22 09:58

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
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: E212091
Job # 22113-0001

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Water Recycle	Turn Around	☑ Routine ☐ Rush
Project Number:	1187	Due Date:	
Project Location	Eddy County, New Mexico		
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading: 4	
Total Containers:		Corrected Temperature:	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		Sample Comments
T-1 (0-1')	12/8/2022		X		G	1	X	X	X	1	
T-1 (1.5')	12/8/2022		X		G	1	X	X	X	2	
T-1 (2')	12/8/2022		X		G	1	X	X	X	3	
T-1 (3')	12/8/2022		X		G	1	X	X	X	4	
T-1 (4')	12/8/2022		X		G	1	X	X	X	5	
T-2 (0-1')	12/8/2022		X		G	1	X	X	X	6	
T-2 (1.5')	12/8/2022		X		G	1	X	X	X	7	
T-2 (2')	12/8/2022		X		G	1	X	X	X	8	
T-2 (3')	12/8/2022		X		G	1	X	X	X	9	
T-2 (4')	12/8/2022		X		G	1	X	X	X	10	

Comments: Email Results to Mcarmona@carmon[illegible] & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/13/22		12.13.22
	12.14.22		

Chain of Custody

Work Order No: E212091
Job # 22113-0001

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Water Recycle	Turn Around	
Project Number:	1187	☑ Routine ☐ Rush	
Project Location	Eddy County, New Mexico	Due Date:	
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes (No) N/A	Temperature Reading: 4	
Total Containers:		Corrected Temperature:	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0		Sample Comments
T-3 (0-1')	12/8/2022		X		G	1	X	X	X	11	
T-3 (1.5')	12/8/2022		X		G	1	X	X	X	12	
T-3 (2')	12/8/2022		X		G	1	X	X	X	13	
T-3 (3')	12/8/2022		X		G	1	X	X	X	14	
T-3 (4')	12/8/2022		X		G	1	X	X	X	15	

Comments: Email Results to Mcarmona@carmonaresources.com & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	12/13/22		12.13.22
	12.14.22		

Envirotech Analytical Laboratory

Printed: 12/15/2022 2:50:23PM

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:	E212091
Phone:	(432) 813-6823	Date Logged In:	12/15/22 11:06	Logged In By:	Caitlin Christian
Email:	cmoehring@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	Carrier: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	No	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

CARDINAL Laboratories

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

April 17, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DAYTON RECYCLE FACILITY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 04/14/23 8:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 1 (2') (H231791-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *86.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 2 (2') (H231791-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *91.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 3 (2') (H231791-03)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**928**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *78.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 4 (2') (H231791-04)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *80.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 5 (2') (H231791-05)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *87.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 6 (2.5') (H231791-06)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *88.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *100 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 7 (2.5') (H231791-07)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *87.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.0 %* *49.1-148*

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 1 (2') (H231791-08)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	04/14/2023	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *88.7 %* *48.2-134*

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

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 2 (2') (H231791-09)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1310**	16.0	04/14/2023	ND	400	100	400	3.92	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *88.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 3 (0.5') (H231791-10)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *88.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *98.5 %* *49.1-148*

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Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 4 (2') (H231791-11)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	04/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	170	84.9	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	180	90.0	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane *92.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 5 (2.5') (H231791-12)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	212	106	200	0.116	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	207	104	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane *79.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.5 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 6 (2.5') (H231791-13)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	04/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	212	106	200	0.116	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	207	104	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane *78.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.7 %* *49.1-148*

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CARDINAL Laboratories

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

Analytical Results For:

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

Received:	04/14/2023	Sampling Date:	04/13/2023
Reported:	04/17/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 7 (2.5') (H231791-14)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.97	98.4	2.00	1.78	
Toluene*	<0.050	0.050	04/14/2023	ND	2.15	107	2.00	0.897	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.20	110	2.00	2.44	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.90	115	6.00	2.44	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	04/14/2023	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	212	106	200	0.116	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	207	104	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane *84.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.2 %* *49.1-148*

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CARDINAL Laboratories

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H231791

Page 1 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Recycle Facility Release	Turn Around	
Project Number:	1187	☐ Routine ☑ Rush	Prs. Code
Project Location	Eddy County, New Mexico	Due Date:	24 HR
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8
Total Containers.		Corrected Temperature:	2.2

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4,500.0	Sample Comments
CS-1 (2')	4/13/2023		X		Comp	1	X	X	X	
CS-2 (2')	4/13/2023		X		Comp	1	X	X	X	
CS-3 (2')	4/13/2023		X		Comp	1	X	X	X	
CS-4 (2')	4/13/2023		X		Comp	1	X	X	X	
CS-5 (2')	4/13/2023		X		Comp	1	X	X	X	
CS-6 (2.5')	4/13/2023		X		Comp	1	X	X	X	
CS-7 (2.5')	4/13/2023		X		Comp	1	X	X	X	
SW-1 (2')	4/13/2023		X		Comp	1	X	X	X	
SW-2 (2')	4/13/2023		X		Comp	1	X	X	X	
SW-3 (0.5')	4/13/2023		X		Comp	1	X	X	X	

1 2 3 4 5 6 7 8 9 10

Comments: Email Results to Mcarmona@carmonaresources.com & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-14-23 0805		

Chain of Custody

Work Order No: H231791

Page 2 of 2

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Recycle Facility Release	Turn Around	☐ Routine ☑ Rush
Project Number:	1187	Pres. Code	
Project Location	Eddy County, New Mexico	Due Date:	24 HR
Sampler's Name:	FV		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes (No)
Received Intact:	(Yes) No	Thermometer ID:	113
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.1°C
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	2.8°C
Total Containers:		Corrected Temperature:	2.7°C

Preservative Codes

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

	Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4,500.0	Sample Comments
11	SW-4 (2')	4/13/2023		X		Comp	1	X	X	X	
12	SW-5 (2.5')	4/13/2023		X		Comp	1	X	X	X	
13	SW-6 (2.5')	4/13/2023		X		Comp	1	X	X	X	
14	SW-7 (2.5')	4/13/2023		X		Comp	1	X	X	X	

Comments: Email Results to Mcarmona@carmonaresources.com & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-14-23 0805		

CARDINAL Laboratories

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

May 03, 2023

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST SUITE 415

MIDLAND, TX 79701

RE: DAYTON RECYCLE FACILITY RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/02/23 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: CS - 3 (2.25') (H232153-01)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.08	104	2.00	3.38	
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	109	2.00	3.38	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.14	107	2.00	1.25	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.65	111	6.00	0.641	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/03/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	187	93.4	200	4.97	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	178	88.9	200	8.30	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane *95.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/02/2023	Sampling Date:	05/02/2023
Reported:	05/03/2023	Sampling Type:	Soil
Project Name:	DAYTON RECYCLE FACILITY RELEASE	Sampling Condition:	Cool & Intact
Project Number:	1187	Sample Received By:	Tamara Oldaker
Project Location:	SILVERBACK - EDDY CO, NM		

Sample ID: SW - 2 (2') (H232153-02)

BTEX 8021B mg/kg Analyzed By: JH/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	2.08	104	2.00	3.38	
Toluene*	<0.050	0.050	05/02/2023	ND	2.19	109	2.00	3.38	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.14	107	2.00	1.25	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.65	111	6.00	0.641	
Total BTEX	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

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

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/03/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	187	93.4	200	4.97	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	178	88.9	200	8.30	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane *99.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H23-2153

Page 1 of 1

Project Manager:	Conner Moehring	Bill to: (if different)	Mark Ritchie
Company Name:	Carmona Resources	Company Name:	Silverback Exploration
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	(432) 813-6823	Email:	mritchie@silverbackexp.com

Work Order Comments

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

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Dayton Recycle Facility Release	Turn Around	☐ Routine ☑ Rush
Project Number:	1187	Due Date:	24 HR
Project Location	Eddy County, New Mexico		
Sampler's Name:	CM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	T3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.6 c
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-2.1 c
Total Containers:		Corrected Temperature:	-2.7 c

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4,500.0
1 CS-3 (2.25')	5/2/2023		X		Comp	1		X	X	X
2 SW-2 (2')	5/2/2023		X		Comp	1		X	X	X

Preservative Codes

None: NO DI Water: H_2O

Cool: Cool MeOH: Me

HCL: HC HNO_3: HN

H_2S0_4: H_2 NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

Comments: Email Results to Mcarmona@carmonaresources.com & Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	5-2-23 1400		

District I
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District IV
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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 374557

QUESTIONS

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2230640215**
Incident Name	**NAPP2230640215 DAYTON WATER RECYCLE @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	DAYTON WATER RECYCLE
Date Release Discovered	10/30/2022
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	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	
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.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. | Tank (Any) | Produced Water | Released: 5 BBL (Unknown Released Amount) | Recovered: 5 BBL | Lost: 0 BBL.
Is the concentration of 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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QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
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.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	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.*
Per Paragraph (4) of Subsection B of 19.15.29.8 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 Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 08/16/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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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 (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	10700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3214
GRO+DRO (EPA SW-846 Method 8015M)	3214
BTEX (EPA SW-846 Method 8021B or 8260B)	5.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/13/2023
On what date will (or did) the final sampling or liner inspection occur	04/13/2023
On what date will (or was) the remediation complete(d)	05/02/2023
What is the estimated surface area (in square feet) that will be reclaimed	1850
What is the estimated volume (in cubic yards) that will be reclaimed	160
What is the estimated surface area (in square feet) that will be remediated	1850
What is the estimated volume (in cubic yards) that will be remediated	160
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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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 (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 08/16/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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 (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**374584**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**04/13/2023**
What was the (estimated) number of samples that were to be gathered	**14**
What was the sampling surface area in square feet	**2800**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1850
What was the total volume (cubic yards) remediated	160
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1850
What was the total volume (in cubic yards) reclaimed	160
Summarize any additional remediation activities not included by answers (above)	NA

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Justin Carter Title: Landman Email: jcarter@novoog.com Date: 08/16/2024

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QUESTIONS (continued)

Operator: Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	OGRID: 330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 374557

CONDITIONS

Operator:	OGRID:
Silverback Operating II, LLC 1001 W. Wilshire Blvd Oklahoma City, OK 73112	330968
	Action Number: 374557
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2230640215 DAYTON WATER RECYCLE, thank you. This Remediation Closure Report is approved.	9/9/2024