



Arkansas Water Resources Center Water Quality Laboratory

Analytical Report

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In Cooperation with Arkansas Cooperative Extension Service (501) 671-2000

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Analytical Package Domestic
Entered By Machaela Morrison
Date Received 9/2/2025
Date Reported 9/12/2025
Date Sampled 9/2/2025
County:

Sample Number: 260194-01
Sample ID: Prairie Grove Spring

Parameter	Result	Units	Method	Analyzed	MDL	RL
Aggressive Index (calc.)	11.6			09/08/2025	-	-
Conductivity	280.4	µS/cm	EPA 120.1	09/03/2025	0.9	-
Total Dissolved Solids (calc.)	154.2	mg/L		09/08/2025	-	-
pH	7.4		EPA 150.1	09/03/2025	-	-
Alkalinity	136.0	mg/L as CaCO ₃	APHA 2320 B	09/04/2025	-	2
Hardness (calc.)	140.3	mg/L as CaCO ₃	APHA 2340 B		-	-
Fluoride	0.075	mg/L	EPA 300.0	09/05/2025	0.018	0.050
Chloride	1.742	mg/L	EPA 300.0	09/05/2025	0.184	0.500
Sulfate	3.119	mg/L	EPA 300.0	09/05/2025	0.339	0.500
Nitrate-N	0.263	mg/L	EPA 300.0	09/05/2025	0.026	0.050
Arsenic	E 0.001	mg/L	EPA 200.7	09/08/2025	0.004	0.010
Calcium	50.900	mg/L	EPA 200.7	09/08/2025	0.066	0.100
Copper	E 0.000	mg/L	EPA 200.7	09/08/2025	0.008	0.010
Iron	E 0.000	mg/L	EPA 200.7	09/08/2025	0.015	0.050
Magnesium	3.210	mg/L	EPA 200.7	09/08/2025	0.005	0.010
Manganese	E 0.000	mg/L	EPA 200.7	09/08/2025	0.005	0.010
Lead	E 0.000	mg/L	EPA 200.7	09/08/2025	0.006	0.010
Sodium	2.410	mg/L	EPA 200.7	09/08/2025	0.078	0.100
Total Coliform	1553.1	MPN/100mls	APHA 9223, B	09/02/2025	-	-
E. coli	40.4	MPN/100mls	APHA 9223, B	09/02/2025	-	-

An "E" next to the result value indicates the value reported is less than the Reporting Limit (RL) and should be viewed as an estimate.

For further questions, contact the University of Arkansas Division of Agricultural Cooperative Extension specialist, Mike Daniels at mdaniels@uada.edu.