

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS

Gainey Ranch Golf Club
7600 East Gainey Club Drive
Scottsdale, AZ 85258

File Number: 93641
Date Received: 03/12/2025
Date Reported: 03/13/2025

Submitted By: Soil and Water Consulting

Lab Number	0445
Sample Location	IRRIGATION WATER
Sample Description	HOLE #1

pH	7.62
Hardness (ppm)	348.03
Hardness (grains/gal)	20.35
Conductivity (mmhos/cm)	1.64
Sodium Adsorp. Ratio	5.20
Adjusted SAR	10.49
Adjusted RNA	6.51
pHc	7.38
Residual Sodium Carbonate (RSC)	-2.89

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		87.53	4.37	19.85
Magnesium (Mg)		31.41	2.58	7.12
Potassium (K)		21.49	0.55	4.87
Sodium (Na)		223.02	9.70	50.58
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		203.00		46.04
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		247.70	4.06	56.18
Hydroxide (OH)		0.00		
Chloride (Cl)		316.42	8.92	71.76
Sulfur as (SO ₄)		236.13	4.92	53.55
Salt Concentration (TDS)		1052.16		238.63
Boron (B)		0.32		0.07

Manganese (Mn)	< 0.020
Copper (Cu)	< 0.020
Zinc (Zn)	< 0.040
Aluminum (Al)	< 0.200

Cation/Anion Ratio	0.96
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NO ₃ -N (ppm)	3.74
Total P (ppm)	2.22

Reviewed by: Malorie Dirksen