

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Brooklake Country Club
Florham Park, NJ

File Number: 90018
Date Received: 8/3/2023
Date Reported: 8/4/2023

Submitted By: Soil and Water Consulting

Lab Number	1751
Sample Location	IRRIGATION WATER
Sample Description	#9

pH	6.97
Hardness (ppm)	86.36
Hardness (grains/gal)	5.05
Conductivity (mmhos/cm)	0.32
Sodium Adsorp. Ratio	1.18
Adjusted SAR	1.40
Adjusted RNa	1.08
pHc	8.21
Residual Sodium Carbonate (RSC)	-0.14

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		23.60	1.18	5.35
Magnesium (Mg)		6.62	0.54	1.50
Potassium (K)		2.87	0.07	0.65
Sodium (Na)		25.21	1.10	5.72
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		78.88		17.89
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		96.25	1.58	21.83
Hydroxide (OH)		0.00		
Chloride (Cl)		43.40	1.22	9.84
Sulfur as (SO ₄)		7.00	0.15	1.59
Salt Concentration (TDS)		202.18		45.85
Boron (B)		0.08		0.02

Manganese (Mn)	< 0.020	
Copper (Cu)	0.043	0.010
Zinc (Zn)	< 0.040	
Aluminum (Al)	< 0.200	

Cation/Anion Ratio	0.98
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NO ₃ -N (ppm)	0.36
Total P (ppm)	< 0.20

Reviewed by: _____

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File Number: 90018
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Submitted By: Soil and Water Consulting

Lab Number	1752
Sample Location	IRRIGATION WATER
Sample Description	WET WELL

pH	6.39
Hardness (ppm)	46.69
Hardness (grains/gal)	2.73
Conductivity (mmhos/cm)	0.20
Sodium Adsorp. Ratio	1.09
Adjusted SAR	0.77
Adjusted RNa	0.77
pHc	8.70
Residual Sodium Carbonate (RSC)	-0.05

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	13.02	0.65	2.95
Magnesium	(Mg)	3.24	0.27	0.73
Potassium	(K)	4.16	0.11	0.94
Sodium	(Na)	17.03	0.74	3.86
Iron	(Fe)	0.47		0.11
Total Alkalinity	(CaCO ₃)	43.50		9.87
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	53.08	0.87	12.04
Hydroxide	(OH)	0.00		
Chloride	(Cl)	26.55	0.75	6.02
Sulfur as	(S04)	13.05	0.27	2.96
Salt Concentration	(TDS)	128.13		29.06
Boron	(B)	< 0.05		

Manganese	(Mn)	0.061		0.014
Copper	(Cu)	0.033		0.008
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.93
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	2.16

Reviewed by: _____