

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

La Valle Coastal Club
5690 Cancha de Golf
Rancho Santa Fe, CA 92091

File Number: 93033
Date Received: 10/25/2024
Date Reported: 10/28/2024

Submitted By: Soil and Water Consulting

Lab Number	2560
Sample Location	IRRIGATION WATER
Sample Description	RECLAIMED HOLE #4

pH	7.54
Hardness (ppm)	319.84
Hardness (grains/gal)	18.70
Conductivity (mmhos/cm)	1.51
Sodium Adsorp. Ratio	4.55
Adjusted SAR	7.36
Adjusted RNa	4.90
pHc	7.78
Residual Sodium Carbonate (RSC)	-4.57

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)	75.88	3.79	17.21	
Magnesium (Mg)	31.63	2.60	7.17	
Potassium (K)	19.96	0.51	4.53	
Sodium (Na)	187.03	8.13	42.42	
Iron (Fe)	< 0.10			
Total Alkalinity (CaCO3)	91.00		20.64	
Carbonate (CO3)	0.00			
Bicarbonate (HCO3)	111.04	1.82	25.18	
Hydroxide (OH)	0.00			
Chloride (Cl)	352.33	9.94	79.91	
Sulfur as (S04)	224.41	4.67	50.90	
Salt Concentration (TDS)	963.84		218.60	
Boron (B)	0.30		0.07	

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

Cation/Anion Ratio	0.89
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NO3-N (ppm)	22.56
Total P (ppm)	2.05

Reviewed by: _____

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Submitted By: Soil and Water Consulting

Lab Number	2561
Sample Location	IRRIGATION WATER
Sample Description	WELL

pH	7.63
Hardness (ppm)	1681.93
Hardness (grains/gal)	98.36
Conductivity (mmhos/cm)	4.88
Sodium Adsorp. Ratio	6.46
Adjusted SAR	17.87
Adjusted RNa	8.83
pHc	6.63
Residual Sodium Carbonate (RSC)	-25.52

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	365.03	18.22	82.79
Magnesium	(Mg)	187.14	15.39	42.44
Potassium	(K)	10.70	0.27	2.43
Sodium	(Na)	609.03	26.48	138.13
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	404.00		91.63
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	492.96	8.08	111.80
Hydroxide	(OH)	0.00		
Chloride	(Cl)	1574.42	44.40	357.08
Sulfur as	(S04)	742.45	15.46	168.39
Salt Concentration	(TDS)	3125.76		708.92
Boron	(B)	0.37		0.08

Manganese	(Mn)	1.821		0.413
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.89
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NO3-N (ppm)	1.32
Total P (ppm)	< 0.20

Reviewed by: _____