

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Los Robles Greens Golf Course
299 South Moorpark Road
91361

File Number: 80417
Date Received: 10/7/2022
Date Reported: 10/10/2022

Submitted By: Soil and Water Consulting

Lab Number	2269
Sample Location	IRRIGATION WATER
Sample Description	HOLE #14

pH	8.06
Hardness (ppm)	231.19
Hardness (grains/gal)	13.52
Conductivity (mmhos/cm)	0.82
Sodium Adsorp. Ratio	2.50
Adjusted SAR	3.84
Adjusted RNa	2.54
pHc	7.86
Residual Sodium Carbonate (RSC)	-2.47

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		46.61	2.33	10.57
Magnesium (Mg)		27.85	2.29	6.32
Potassium (K)		3.25	0.08	0.74
Sodium (Na)		87.36	3.80	19.81
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		107.16		24.30
Carbonate (CO ₃)		10.26	0.34	2.33
Bicarbonate (HCO ₃)		109.89	1.80	24.92
Hydroxide (OH)		0.00		
Chloride (Cl)		86.64	2.44	19.65
Sulfur as (S04)		192.57	4.01	43.67
Salt Concentration (TDS)		524.29		118.91
Boron (B)		0.19		0.04

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

Cation/Anion Ratio	0.99
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NO ₃ -N (ppm)	0.14
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	2270
Sample Location	IRRIGATION WATER
Sample Description	WELL

pH	7.38
Hardness (ppm)	863.51
Hardness (grains/gal)	50.50
Conductivity (mmhos/cm)	1.86
Sodium Adsorp. Ratio	1.76
Adjusted SAR	4.33
Adjusted RNa	2.15
pHc	6.94
Residual Sodium Carbonate (RSC)	-10.19

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	151.10	7.54	34.27
Magnesium	(Mg)	117.10	9.63	26.56
Potassium	(K)	3.46	0.09	0.78
Sodium	(Na)	118.50	5.15	26.88
Iron	(Fe)	2.36		0.54
Total Alkalinity	(CaCO ₃)	348.84		79.12
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	425.65	6.98	96.54
Hydroxide	(OH)	0.00		
Chloride	(Cl)	169.36	4.78	38.41
Sulfur as	(S04)	531.00	11.06	120.43
Salt Concentration	(TDS)	1188.35		269.52
Boron	(B)	0.19		0.04
Manganese	(Mn)	0.147		0.033
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.98
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

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Lab Number	2271
Sample Location	IRRIGATION WATER
Sample Description	POTABLE

pH	7.83
Hardness (ppm)	168.19
Hardness (grains/gal)	9.84
Conductivity (mmhos/cm)	0.68
Sodium Adsorp. Ratio	2.64
Adjusted SAR	4.09
Adjusted RNa	2.80
pHc	7.85
Residual Sodium Carbonate (RSC)	-1.17

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		45.34	2.26	10.28
Magnesium (Mg)		13.06	1.07	2.96
Potassium (K)		2.89	0.07	0.65
Sodium (Na)		78.44	3.41	17.79
Iron (Fe)		0.68		0.15
Total Alkalinity (CaCO ₃)		108.30		24.56
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		132.15	2.17	29.97
Hydroxide (OH)		0.00		
Chloride (Cl)		73.53	2.07	16.68
Sulfur as (SO ₄)		136.05	2.83	30.86
Salt Concentration (TDS)		433.54		98.33
Boron (B)		0.18		0.04

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)	0.93
Total P (ppm)	< 0.20

Reviewed by:

