

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Los Robles Greens Golf Course
299 South Moorpark Road
91361

File Number: 80417
Date Received: 6/12/2023
Date Reported: 6/13/2023

Submitted By: Soil and Water Consulting

Lab Number	1297
Sample Location	IRRIGATION WATER
Sample Description	LAKE

pH	7.72
Hardness (ppm)	781.08
Hardness (grains/gal)	45.68
Conductivity (mmhos/cm)	1.70
Sodium Adsorp. Ratio	1.73
Adjusted SAR	4.20
Adjusted RNa	2.14
pHc	6.97
Residual Sodium Carbonate (RSC)	-9.04

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	145.41	7.26	32.98
Magnesium	(Mg)	101.51	8.35	23.02
Potassium	(K)	6.72	0.17	1.52
Sodium	(Na)	111.07	4.83	25.19
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	328.28		74.45
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	400.57	6.57	90.85
Hydroxide	(OH)	0.00		
Chloride	(Cl)	174.46	4.92	39.57
Sulfur as	(S04)	464.16	9.66	105.27
Salt Concentration	(TDS)	1088.83		246.95
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	0.97
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	0.23

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Lab Number	1298
Sample Location	IRRIGATION WATER
Sample Description	POTABLE

pH	7.98
Hardness (ppm)	130.52
Hardness (grains/gal)	7.63
Conductivity (mmhos/cm)	0.55
Sodium Adsorp. Ratio	2.26
Adjusted SAR	3.30
Adjusted RNa	2.31
pHc	7.94
Residual Sodium Carbonate (RSC)	-0.56

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		37.56	1.87	8.52
Magnesium (Mg)		8.88	0.73	2.01
Potassium (K)		2.80	0.07	0.63
Sodium (Na)		59.32	2.58	13.45
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		102.08		23.15
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		124.56	2.04	28.25
Hydroxide (OH)		0.00		
Chloride (Cl)		59.23	1.67	13.43
Sulfur as (S04)		99.09	2.06	22.47
Salt Concentration (TDS)		354.62		80.43
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	0.91
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NO ₃ -N (ppm)	1.13
Total P (ppm)	< 0.20

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Lab Number	1299
Sample Location	IRRIGATION WATER
Sample Description	HOLE #14

pH	7.61
Hardness (ppm)	700.43
Hardness (grains/gal)	40.96
Conductivity (mmhos/cm)	1.67
Sodium Adsorp. Ratio	1.71
Adjusted SAR	4.05
Adjusted RNa	2.09
pHc	7.03
Residual Sodium Carbonate (RSC)	-7.48

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)	126.89	6.33	28.78	
Magnesium (Mg)	93.15	7.66	21.13	
Potassium (K)	3.90	0.10	0.88	
Sodium (Na)	103.91	4.52	23.57	
Iron (Fe)	< 0.10			
Total Alkalinity (CaCO ₃)	325.38		73.80	
Carbonate (CO ₃)	0.00			
Bicarbonate (HCO ₃)	397.03	6.51	90.05	
Hydroxide (OH)	0.00			
Chloride (Cl)	161.87	4.56	36.71	
Sulfur as (SO ₄)	442.47	9.21	100.35	
Salt Concentration (TDS)	1067.20		242.04	
Boron (B)	0.17		0.04	

Manganese (Mn)	< 0.020	
Copper (Cu)	0.086	0.019
Zinc (Zn)	< 0.040	
Aluminum (Al)	< 0.200	

Cation/Anion Ratio	0.92
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

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Lab Number	1300
Sample Location	IRRIGATION WATER
Sample Description	WELL

pH	7.20
Hardness (ppm)	820.41
Hardness (grains/gal)	47.98
Conductivity (mmhos/cm)	1.84
Sodium Adsorp. Ratio	1.71
Adjusted SAR	4.25
Adjusted RNa	2.11
pHc	6.92
Residual Sodium Carbonate (RSC)	-8.97

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	147.15	7.34	33.37
Magnesium	(Mg)	109.87	9.04	24.92
Potassium	(K)	4.10	0.10	0.93
Sodium	(Na)	112.56	4.89	25.53
Iron	(Fe)	0.42		0.10
Total Alkalinity	(CaCO ₃)	370.62		84.06
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	452.23	7.41	102.57
Hydroxide	(OH)	0.00		
Chloride	(Cl)	195.74	5.52	44.39
Sulfur as	(S04)	507.02	10.56	114.99
Salt Concentration	(TDS)	1178.50		267.28
Boron	(B)	0.17		0.04

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

Cation/Anion Ratio	0.91
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:

