

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Western Golf Properties
1 Spectrum Pointe Dr #310
Lake Forest, CA 92630

File Number: 80046
Date Received: 9/14/2018
Date Reported: 9/17/2018

Submitted By: Soil and Water Consulting

Lab Number	2304
Sample Location	SAN RAMON GC
Sample Description	IRRIGATION STREAM #9

pH	7.67
Hardness (ppm)	330.69
Hardness (grains/gal)	19.34
Conductivity (mmhos/cm)	1.20
Sodium Adsorp. Ratio	2.92
Adjusted SAR	6.84
Adjusted RNa	3.89
pHc	7.06
Residual Sodium Carbonate (RSC)	1.90

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	79.68	3.98	18.07
Magnesium	(Mg)	31.96	2.63	7.25
Potassium	(K)	8.25	0.21	1.87
Sodium	(Na)	122.20	5.31	27.71
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	425.39		96.48
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	519.06	8.51	117.72
Hydroxide	(OH)	0.00		
Chloride	(Cl)	109.78	3.10	24.90
Sulfur as	(S04)	66.75	1.39	15.14
Salt Concentration	(TDS)	765.12		173.53
Boron	(B)	0.35		0.08

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

Cation/Anion Ratio	0.93
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NO ₃ -N (ppm)	0.58
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	2303
Sample Location	SAN RAMON GC
Sample Description	IRRIGATION POND

pH	8.71
Hardness (ppm)	175.73
Hardness (grains/gal)	10.28
Conductivity (mmhos/cm)	1.08
Sodium Adsorp. Ratio	5.03
Adjusted SAR	8.19
Adjusted RNa	5.25
pHc	7.77
Residual Sodium Carbonate (RSC)	1.54

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	25.04	1.25	5.68
Magnesium	(Mg)	27.46	2.26	6.23
Potassium	(K)	8.48	0.22	1.92
Sodium	(Na)	153.20	6.66	34.75
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	252.52		57.27
Carbonate	(CO3)	53.12	1.77	12.05
Bicarbonate	(HCO3)	200.14	3.28	45.39
Hydroxide	(OH)	0.00		
Chloride	(Cl)	161.36	4.55	36.60
Sulfur as	(S04)	47.76	0.99	10.83
Salt Concentration	(TDS)	688.19		156.08
Boron	(B)	0.64		0.14

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

Cation/Anion Ratio	0.98
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NO3-N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:

