

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Vellano Country Club
24441 Vellano Club Drive
Chino Hills, CA 91709

File Number: 78222
Date Received: 6/28/2017
Date Reported: 6/29/2017

Submitted By: Soil and Water Consulting

Lab Number	1630
Sample Location	IRRIGATION WATER
Sample Description	POTABLE

pH	7.71
Hardness (ppm)	154.40
Hardness (grains/gal)	9.03
Conductivity (mmhos/cm)	0.49
Sodium Adsorp. Ratio	0.95
Adjusted SAR	1.24
Adjusted RNa	0.86
pHc	8.10
Residual Sodium Carbonate (RSC)	-1.99

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	46.20	2.31	10.48
Magnesium	(Mg)	9.44	0.78	2.14
Potassium	(K)	1.52	0.04	0.35
Sodium	(Na)	27.26	1.19	6.18
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	54.74		12.42
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	66.79	1.09	15.15
Hydroxide	(OH)	0.00		
Chloride	(Cl)	90.55	2.55	20.54
Sulfur as	(S04)	14.26	0.30	3.23
Salt Concentration	(TDS)	313.60		71.12
Boron	(B)	0.08		0.02

Cation/Anion Ratio	1.09
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Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	1631
Sample Location	IRRIGATION WATER
Sample Description	EFFLUENT

pH	7.56
Hardness (ppm)	122.32
Hardness (grains/gal)	7.15
Conductivity (mmhos/cm)	0.76
Sodium Adsorp. Ratio	3.64
Adjusted SAR	5.62
Adjusted RNa	3.97
pHc	7.86
Residual Sodium Carbonate (RSC)	0.14

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	37.36	1.86	8.47
Magnesium	(Mg)	7.01	0.58	1.59
Potassium	(K)	14.59	0.37	3.31
Sodium	(Na)	92.61	4.03	21.00
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	129.12		29.28
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	157.55	2.58	35.73
Hydroxide	(OH)	0.00		
Chloride	(Cl)	114.38	3.23	25.94
Sulfur as	(S04)	44.22	0.92	10.03
Salt Concentration	(TDS)	485.12		110.03
Boron	(B)	0.23		0.05

Manganese	(Mn)	< 0.020		
Copper	(Cu)	< 0.020		
Zinc	(Zn)	0.052		0.012
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	1.00
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NO ₃ -N (ppm)	5.06
Total P (ppm)	1.17

Reviewed by:

