

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 80046
Date Received: 9/20/2019
Date Reported: 9/24/2019

Submitted By: Soil and Water Consulting

Lab Number	0096			0097			
Description	SAN RAMON GC			SAN RAMON GC			
	TEE			FAIRWAY			
	4			4			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	880			1072			
Chloride	233			275			
Nitrate (NO3-N)	20.8			22.2			
Bicarbonate	146.42			165.95			
Sulfur	43.94			81.43			
Phosphorus	1.18			1.65			
Calcium	45.51	2.27	16.97	55.99	2.79	16.82	
Magnesium	21.67	1.78	13.31	29.12	2.40	14.42	
Potassium	6.78	0.17	1.30	11.61	0.30	1.79	
Sodium	210.66	9.16	68.43	255.94	11.13	66.98	
TOTAL		13.39	100		16.61	100	
Boron	0.71			1.09			
Iron	1.35			1.91			
Manganese	0.02			0.02			
Copper	0.06			0.05			
Zinc	0.01			0.02			
Aluminum	1.66			2.49			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	7.60			8.20			
SAR (calculated)	6.43			6.91			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0098			0099			
Description	SAN RAMON GC			SAN RAMON GC			
	GREEN			GREEN			
	1			4			
pH	8.1			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1009			843			
Chloride	234			193			
Nitrate (NO3-N)	1.0			4.3			
Bicarbonate	131.78			97.62			
Sulfur	127.78			84.28			
Phosphorus	0.72			0.42			
Calcium	62.70	3.13	19.88	52.87	2.64	21.03	
Magnesium	28.66	2.36	14.98	22.40	1.84	14.68	
Potassium	39.11	1.00	6.36	31.53	0.81	6.43	
Sodium	212.78	9.25	58.79	166.99	7.26	57.86	
TOTAL		15.74	100		12.55	100	
Boron	0.42			0.33			
Iron	1.43			1.04			
Manganese	0.05			0.03			
Copper	0.03			0.04			
Zinc	0.02			0.01			
Aluminum	1.96			1.35			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	6.52			5.57			
SAR (calculated)	5.59			4.85			

* Soluble Salts: mmhos/cm = ppm / 640