

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 80046
Date Received: 09/14/2018
Date Reported: 09/18/2018

Submitted By: Soil and Water Consulting

Lab Number	0045			0046			
Description	SANRAMON GC			SANRAMON GC			
	TEE			FAIRWAY			
	1			1			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	950			936			
Chloride	301			283			
Nitrate (NO3-N)	18.2			2.5			
Bicarbonate	134.22			178.15			
Sulfur	36.07			38.47			
Phosphorus	0.18			1.09			
Calcium	39.64	1.98	13.03	59.89	2.99	18.73	
Magnesium	21.57	1.77	11.68	30.29	2.49	15.61	
Potassium	11.39	0.29	1.92	8.94	0.23	1.43	
Sodium	256.27	11.14	73.37	235.63	10.24	64.22	
TOTAL		15.19	100		15.95	100	
Boron	0.64			0.98			
Iron	3.12			1.34			
Manganese	0.06			0.02			
Copper	0.12			0.11			
Zinc	0.01			0.02			
Aluminum	2.09			1.72			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	9.70			7.30			
SAR (calculated)	8.13			6.19			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0047
Description	SANRAMON GC
	GREEN
	1

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	788					
Chloride	178					
Nitrate (NO3-N)	1.3					
Bicarbonate	107.38					
Sulfur	53.04					
Phosphorus	0.35					
Calcium	54.55	2.72	19.75			
Magnesium	24.18	1.99	14.43			
Potassium	37.27	0.95	6.92			
Sodium	186.77	8.12	58.91			
TOTAL		13.78	100			
Boron	0.58					
Iron	1.75					
Manganese	0.05					
Copper	0.11					
Zinc	0.02					
Aluminum	2.13					
Ammonium (NH4-N)	< 0.5					
ESP (calculated)	6.14					
SAR (calculated)	5.29					

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0048
Description	SAN RAMON GC GREEN 18

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	236					
Chloride	41					
Nitrate (NO3-N)	6.5					
Bicarbonate	80.53					
Sulfur	13.39					
Phosphorus	0.54					
Calcium	15.62	0.78	19.29			
Magnesium	7.70	0.63	15.66			
Potassium	8.01	0.20	5.07			
Sodium	55.74	2.42	59.98			
TOTAL		4.04	100			
Boron	0.25					
Iron	1.18					
Manganese	0.05					
Copper	0.06					
Zinc	0.01					
Aluminum	2.38					
Ammonium (NH4-N)	< 0.5					
ESP (calculated)	2.91					
SAR (calculated)	2.88					

* Soluble Salts: mmhos/cm = ppm / 640