

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 80046
Date Received: 7/1/2019
Date Reported: 7/3/2019

Submitted By: Soil and Water Consulting

Lab Number	0013			0014			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	TEE			FAIRWAY			
	2			2			
pH	7.5			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1000			1430			
Chloride	91			81			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	268.44			256.24			
Sulfur	147.24			327.41			
Phosphorus	8.45			0.34			
Calcium	172.83	8.62	51.09	331.51	16.54	50.72	
Magnesium	46.39	3.82	22.60	78.58	6.46	19.82	
Potassium	76.08	1.95	11.53	12.71	0.33	1.00	
Sodium	57.40	2.50	14.78	213.51	9.28	28.46	
TOTAL		16.88	100		32.61	100	
Boron	0.19			0.15			
Iron	0.83			1.84			
Manganese	2.03			0.89			
Copper	0.09			0.03			
Zinc	0.19			0.02			
Aluminum	0.91			2.30			
Ammonium (NH4-N)	20.7			2.0			
ESP (calculated)	0.22			2.70			
SAR (calculated)	1.00			2.74			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0015			0016			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	GREEN			GREEN			
	2			17			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	511			769			
Chloride	57			80			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	195.23			217.20			
Sulfur	29.90			101.55			
Phosphorus	1.19			1.20			
Calcium	69.17	3.45	43.07	140.14	6.99	48.96	
Magnesium	14.88	1.22	15.27	22.38	1.84	12.89	
Potassium	79.60	2.04	25.41	119.10	3.05	21.33	
Sodium	29.94	1.30	16.25	55.28	2.40	16.83	
TOTAL		8.01	100		14.28	100	
Boron	0.07			0.11			
Iron	1.26			0.99			
Manganese	2.26			2.08			
Copper	0.04			0.08			
Zinc	0.04			0.05			
Aluminum	1.69			1.30			
Ammonium (NH4-N)	14.8			6.1			
ESP (calculated)	< .01			0.43			
SAR (calculated)	0.85			1.14			

* Soluble Salts: mmhos/cm = ppm / 640