

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 80046
Date Received: 7/22/2020
Date Reported: 7/24/2020

Submitted By: Soil and Water Consulting

Lab Number	0048			0049			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	TEE			FAIRWAY			
	3			3			
pH	7.8			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	403			950			
Chloride	59			57			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	106.63			105.95			
Sulfur	38.96			279.27			
Phosphorus	4.46			0.17			
Calcium	70.73	3.53	45.92	194.17	9.69	47.57	
Magnesium	17.43	1.43	18.64	53.49	4.40	21.60	
Potassium	32.11	0.82	10.68	7.42	0.19	0.93	
Sodium	43.74	1.90	24.75	140.05	6.09	29.90	
TOTAL		7.69	100		20.37	100	
Boron	0.07			0.15			
Iron	0.85			0.73			
Manganese	0.31			0.79			
Copper	0.05			0.01			
Zinc	0.08			0.01			
Aluminum	1.26			0.98			
Ammonium (NH4-N)	3.9			< 0.5			
ESP (calculated)	0.52			2.08			
SAR (calculated)	1.21			2.29			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0050			0051			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	GREEN			GREEN			
	3			7			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	428			378			
Chloride	62			48			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	123.08			113.86			
Sulfur	48.09			28.95			
Phosphorus	1.36			1.03			
Calcium	67.54	3.37	43.42	59.37	2.96	44.14	
Magnesium	11.14	0.92	11.80	10.24	0.84	12.55	
Potassium	55.65	1.42	18.34	54.36	1.39	20.71	
Sodium	47.21	2.05	26.44	34.89	1.52	22.60	
TOTAL		7.76	100		6.71	100	
Boron	0.07			0.08			
Iron	0.88			2.56			
Manganese	0.84			0.44			
Copper	0.03			0.02			
Zinc	0.03			0.03			
Aluminum	1.20			3.68			
Ammonium (NH4-N)	2.6			3.2			
ESP (calculated)	0.80			0.36			
SAR (calculated)	1.40			1.10			

* Soluble Salts: mmhos/cm = ppm / 640