

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 80046
Date Received: 6/12/2023
Date Reported: 6/15/2023

Submitted By: Soil and Water Consulting

Lab Number	0016			0017			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	TEE			FAIRWAY			
	4			4			
pH	7.6			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	486			673			
Chloride	80			101			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	160.72			160.01			
Sulfur	46.50			103.32			
Phosphorus	3.28			0.38			
Calcium	98.86	4.93	55.22	136.41	6.81	52.14	
Magnesium	22.65	1.86	20.85	29.84	2.45	18.80	
Potassium	20.98	0.54	6.01	17.43	0.45	3.41	
Sodium	36.80	1.60	17.91	77.00	3.35	25.64	
TOTAL		8.93	100		13.05	100	
Boron	0.12			0.14			
Iron	0.34			0.26			
Manganese	0.33			0.11			
Copper	0.03			0.02			
Zinc	0.05			0.02			
Aluminum	0.36			0.29			
Ammonium (NH4-N)	1.8			< 0.5			
ESP (calculated)	0.02			1.02			
SAR (calculated)	0.87			1.56			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0018			0019			
Description	BIRCH HILLS GC			BIRCH HILLS GC			
	GREEN			GREEN			
	4			8			
pH	7.5			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	243			223			
Chloride	19			21			
Nitrate (NO3-N)	1.9			0.5			
Bicarbonate	60.44			60.23			
Sulfur	29.88			22.71			
Phosphorus	1.04			1.47			
Calcium	36.26	1.81	46.56	28.26	1.41	41.73	
Magnesium	6.44	0.53	13.62	5.35	0.44	13.02	
Potassium	24.29	0.62	15.98	19.30	0.49	14.61	
Sodium	21.30	0.93	23.83	23.81	1.04	30.64	
TOTAL		3.89	100		3.38	100	
Boron	0.16			0.10			
Iron	0.81			1.55			
Manganese	0.03			0.06			
Copper	0.01			0.01			
Zinc	0.02			0.02			
Aluminum	0.98			1.92			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			0.33			
SAR (calculated)	0.86			1.08			

* Soluble Salts: mmhos/cm = ppm / 640