

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

River Winds Golf and Tennis Club
270 Eagle Point Road
Deptford, NJ 08086

File Number: 53894
Date Received: 5/13/2019
Date Reported: 5/15/2019

Submitted By: Soil and Water Consulting

Lab Number	0019			0020			
Description	TEE			TEE			
	3			18			
pH	7.5			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	216			303			
Chloride	38			40			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	85.41			78.09			
Sulfur	20.76			45.18			
Phosphorus	0.30			0.29			
Calcium	34.35	1.71	48.08	57.16	2.85	53.29	
Magnesium	10.14	0.83	23.39	12.27	1.01	18.86	
Potassium	15.87	0.41	11.39	17.64	0.45	8.43	
Sodium	14.06	0.61	17.14	23.91	1.04	19.42	
TOTAL		3.56	100		5.35	100	
Boron	0.02			0.06			
Iron	2.11			0.65			
Manganese	0.77			0.70			
Copper	0.03			0.04			
Zinc	0.08			0.05			
Aluminum	1.91			0.75			
Ammonium (NH ₄ -N)	1.1			2.0			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.54			0.75			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0021			0022			
Description	FAIRWAY			FAIRWAY			
	3			18			
pH	7.7			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	225			357			
Chloride	23			19			
Nitrate (NO3-N)	0.5			< 0.5			
Bicarbonate	68.33			61.01			
Sulfur	31.60			76.59			
Phosphorus	0.24			0.21			
Calcium	38.53	1.92	48.83	79.69	3.98	59.52	
Magnesium	10.04	0.83	20.97	16.55	1.36	20.37	
Potassium	12.54	0.32	8.15	14.74	0.38	5.64	
Sodium	19.98	0.87	22.06	22.23	0.97	14.47	
TOTAL		3.94	100		6.68	100	
Boron	0.06			0.11			
Iron	1.58			0.69			
Manganese	0.37			0.79			
Copper	0.05			0.04			
Zinc	0.07			0.30			
Aluminum	1.77			1.00			
Ammonium (NH4-N)	0.7			1.1			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.74			0.59			

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Lab Number	0023			0024			
Description	GREEN			GREEN			
	3			18			
pH	7.8			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	188			253			
Chloride	14			14			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	58.57			112.26			
Sulfur	20.87			36.68			
Phosphorus	0.49			0.49			
Calcium	40.10	2.00	59.13	59.33	2.96	59.95	
Magnesium	8.02	0.66	19.50	12.08	0.99	20.11	
Potassium	13.08	0.33	9.88	16.98	0.43	8.80	
Sodium	8.94	0.39	11.48	12.65	0.55	11.14	
TOTAL		3.38	100		4.94	100	
Boron	0.03			0.08			
Iron	0.97			0.87			
Manganese	0.32			0.50			
Copper	< 0.01			< 0.01			
Zinc	0.03			0.02			
Aluminum	1.81			1.46			
Ammonium (NH4-N)	1.6			2.4			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.34			0.39			

* Soluble Salts: mmhos/cm = ppm / 640