

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Brooklake Country Club
Florham Park, NJ

File Number: 90018
Date Received: 5/20/2024
Date Reported: 5/22/2024

Submitted By: Soil and Water Consulting

Lab Number	0078
Description	TEE
	2

pH	7.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	148					
Chloride	16					
Nitrate (NO ₃ -N)	1.0					
Bicarbonate	79.95					
Sulfur	14.42					
Phosphorus	1.79					
Calcium	19.56	0.98	46.01			
Magnesium	3.87	0.32	15.02			
Potassium	12.94	0.33	15.60			
Sodium	11.41	0.50	23.38			
TOTAL		2.12	100			
Boron	0.03					
Iron	3.53					
Manganese	0.13					
Copper	0.06					
Zinc	0.05					
Aluminum	2.23					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	< .01					
SAR (calculated)	0.62					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0079
Description	FAIRWAY
	2

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	166					
Chloride	10					
Nitrate (NO3-N)	0.6					
Bicarbonate	36.18					
Sulfur	12.20					
Phosphorus	0.43					
Calcium	22.05	1.10	51.80			
Magnesium	4.89	0.40	18.95			
Potassium	4.50	0.12	5.41			
Sodium	11.65	0.51	23.83			
TOTAL		2.12	100			
Boron	0.03					
Iron	3.00					
Manganese	0.10					
Copper	0.02					
Zinc	0.04					
Aluminum	4.83					
Ammonium (NH4-N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.58					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0080			0081			
Description	GREEN			GREEN			
	2			18			
pH	7.2			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	59			117			
Chloride	5			8			
Nitrate (NO3-N)	< 0.5			1.3			
Bicarbonate	12.28			23.71			
Sulfur	3.24			5.85			
Phosphorus	1.56			2.52			
Calcium	6.20	0.31	39.73	10.87	0.54	41.79	
Magnesium	1.38	0.11	14.57	2.84	0.23	17.97	
Potassium	4.99	0.13	16.41	6.93	0.18	13.65	
Sodium	5.24	0.23	29.29	7.94	0.35	26.60	
TOTAL		0.78	100		1.30	100	
Boron	0.02			0.04			
Iron	3.24			5.66			
Manganese	0.09			0.11			
Copper	0.07			0.08			
Zinc	0.05			0.11			
Aluminum	4.14			8.36			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.50			0.55			

* Soluble Salts: mmhos/cm = ppm / 640