

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Valleybrook Country Club
200 Golfview Drive
Blackwood, NJ 07739

File Number: 55399
Date Received: 5/26/2023
Date Reported: 6/1/2023

Submitted By: Soil and Water Consulting

Lab Number	0007			0008			
Description	TEE			TEE			
	3			16			
pH	7.0			6.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	152			129			
Chloride	25			21			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	37.99			30.49			
Sulfur	12.07			8.49			
Phosphorus	1.35			1.64			
Calcium	19.49	0.97	42.97	18.10	0.90	46.28	
Magnesium	5.01	0.41	18.19	3.76	0.31	15.85	
Potassium	18.84	0.48	21.28	18.40	0.47	24.11	
Sodium	9.14	0.40	17.56	6.18	0.27	13.77	
TOTAL		2.26	100		1.95	100	
Boron	0.05			0.03			
Iron	1.93			1.86			
Manganese	0.06			0.12			
Copper	0.06			0.09			
Zinc	0.04			0.04			
Aluminum	1.86			1.43			
Ammonium (NH4-N)	4.5			3.4			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.48			0.35			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0009			0010			
Description	FAIRWAY			FAIRWAY			
	3			16			
pH	6.7			6.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	121			271			
Chloride	25			33			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	21.06			36.78			
Sulfur	8.13			45.13			
Phosphorus	1.25			0.61			
Calcium	17.91	0.89	45.32	50.75	2.53	51.82	
Magnesium	4.26	0.35	17.77	15.49	1.27	26.07	
Potassium	15.40	0.39	19.96	19.13	0.49	10.01	
Sodium	7.69	0.33	16.95	13.60	0.59	12.10	
TOTAL		1.97	100		4.89	100	
Boron	0.03			0.06			
Iron	2.13			4.04			
Manganese	0.10			0.16			
Copper	0.09			0.09			
Zinc	0.05			0.05			
Aluminum	1.81			3.07			
Ammonium (NH4-N)	1.8			1.4			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.42			0.43			

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Lab Number	0011			0012			
Description	GREEN			GREEN			
	3			16			
pH	6.8			6.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	316			593			
Chloride	10			40			
Nitrate (NO3-N)	2.4			< 0.5			
Bicarbonate	8.08			21.22			
Sulfur	74.31			146.53			
Phosphorus	0.53			0.99			
Calcium	53.64	2.68	48.70	104.14	5.20	47.17	
Magnesium	18.21	1.50	27.25	35.19	2.89	26.27	
Potassium	30.24	0.77	14.07	84.51	2.16	19.62	
Sodium	12.62	0.55	9.98	17.60	0.77	6.95	
TOTAL		5.50	100		11.02	100	
Boron	0.05			0.06			
Iron	0.72			0.66			
Manganese	0.06			0.86			
Copper	0.02			0.04			
Zinc	0.08			0.10			
Aluminum	0.87			0.67			
Ammonium (NH4-N)	< 0.5			2.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.38			0.38			

* Soluble Salts: mmhos/cm = ppm / 640