

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Valleybrook Country Club
200 Golfview Drive
Blackwood, NJ 07739

File Number: 55399
Date Received: 6/11/2024
Date Reported: 6/13/2024

Submitted By: Soil and Water Consulting

Lab Number	0062			0063			
Description	TEE			TEE			
	9			14			
pH	7.3			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	257			301			
Chloride	39			47			
Nitrate (NO3-N)	< 0.5			0.8			
Bicarbonate	32.91			28.59			
Sulfur	29.46			36.63			
Phosphorus	1.29			0.99			
Calcium	23.71	1.18	33.12	40.84	2.04	43.92	
Magnesium	6.85	0.56	15.77	11.83	0.97	20.96	
Potassium	45.82	1.17	32.81	34.26	0.88	18.88	
Sodium	15.03	0.65	18.30	17.33	0.75	16.24	
TOTAL		3.57	100		4.64	100	
Boron	0.07			0.08			
Iron	3.26			2.85			
Manganese	0.05			0.03			
Copper	0.08			0.06			
Zinc	0.04			0.04			
Aluminum	3.63			1.52			
Ammonium (NH4-N)	2.1			1.1			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.70			0.61			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0064			0065			
Description	FAIRWAY			FAIRWAY			
	9			14			
pH	7.2			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	163			301			
Chloride	28			55			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	< 2.00			76.34			
Sulfur	12.74			36.46			
Phosphorus	0.71			0.51			
Calcium	18.80	0.94	40.68	43.45	2.17	43.08	
Magnesium	5.97	0.49	21.29	15.69	1.29	25.64	
Potassium	15.93	0.41	17.67	24.39	0.62	12.40	
Sodium	10.80	0.47	20.36	21.85	0.95	18.88	
TOTAL		2.31	100		5.03	100	
Boron	0.06			0.19			
Iron	8.05			22.96			
Manganese	0.09			0.28			
Copper	0.06			0.07			
Zinc	0.05			0.07			
Aluminum	7.05			10.11			
Ammonium (NH4-N)	< 0.5			0.6			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.56			0.72			

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Lab Number	0066			0067			
Description	GREEN			GREEN			
	9			14			
pH	7.0			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	184			263			
Chloride	< 1			8			
Nitrate (NO3-N)	1.7			1.8			
Bicarbonate	52.46			21.74			
Sulfur	31.93			51.44			
Phosphorus	0.56			0.63			
Calcium	21.98	1.10	43.28	30.72	1.53	38.19	
Magnesium	7.14	0.59	23.18	12.78	1.05	26.19	
Potassium	16.00	0.41	16.15	32.58	0.83	20.76	
Sodium	10.14	0.44	17.40	13.73	0.60	14.87	
TOTAL		2.53	100		4.01	100	
Boron	0.07			0.14			
Iron	0.87			7.68			
Manganese	0.04			0.07			
Copper	0.01			0.03			
Zinc	0.02			0.04			
Aluminum	0.82			4.22			
Ammonium (NH4-N)	< 0.5			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.48			0.53			

* Soluble Salts: mmhos/cm = ppm / 640