

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Valleybrook Country Club
200 Golfview Drive
Blackwood, NJ 07739

File Number: 55399
Date Received: 5/13/2019
Date Reported: 5/15/2019

Submitted By: Soil and Water Consulting

Lab Number	0013			0014			
Description	TEE			TEE			
	5			17			
pH	7.5			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	166			225			
Chloride	19			19			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	68.33			65.89			
Sulfur	12.29			31.72			
Phosphorus	1.34			0.57			
Calcium	26.61	1.33	43.22	39.00	1.95	44.44	
Magnesium	8.48	0.70	22.69	15.67	1.29	29.44	
Potassium	22.06	0.56	18.36	21.51	0.55	12.56	
Sodium	11.12	0.48	15.73	13.65	0.59	13.56	
TOTAL		3.07	100		4.38	100	
Boron	0.03			0.06			
Iron	2.41			2.53			
Manganese	0.12			0.25			
Copper	0.03			0.03			
Zinc	0.03			0.03			
Aluminum	2.38			2.56			
Ammonium (NH4-N)	3.3			1.0			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.48			0.47			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0015			0016			
Description	FAIRWAY			FAIRWAY			
	5			17			
pH	7.0			7.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	126			122			
Chloride	20			17			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	29.28			39.05			
Sulfur	13.37			15.20			
Phosphorus	1.20			0.66			
Calcium	12.14	0.61	28.37	16.39	0.82	38.64	
Magnesium	4.42	0.36	17.03	7.20	0.59	27.98	
Potassium	29.11	0.74	34.86	13.85	0.35	16.73	
Sodium	9.70	0.42	19.74	8.11	0.35	16.65	
TOTAL		2.14	100		2.12	100	
Boron	0.09			0.07			
Iron	2.98			6.92			
Manganese	0.16			0.09			
Copper	0.05			0.05			
Zinc	0.06			0.04			
Aluminum	2.20			2.18			
Ammonium (NH4-N)	1.7			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.61			0.42			

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Lab Number	0017			0018			
Description	GREEN			GREEN			
	5			17			
pH	7.1			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	157			187			
Chloride	6			15			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	31.73			82.97			
Sulfur	29.09			23.07			
Phosphorus	0.65			0.59			
Calcium	22.45	1.12	49.35	33.87	1.69	48.52	
Magnesium	5.72	0.47	20.72	8.38	0.69	19.78	
Potassium	10.66	0.27	12.02	19.95	0.51	14.65	
Sodium	9.35	0.41	17.91	13.66	0.59	17.05	
TOTAL		2.27	100		3.48	100	
Boron	0.11			0.09			
Iron	1.64			2.33			
Manganese	0.20			0.62			
Copper	0.05			0.03			
Zinc	0.10			0.07			
Aluminum	1.79			2.30			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.46			0.54			

* Soluble Salts: mmhos/cm = ppm / 640