

BROOKSIDE LABORATORIES, INC.
SATURATED SOIL ANALYSIS

Maplewood Country Club
28 Baker Street
Maplewood, NJ 07040

File Number: 88180
Date Received: 10/17/2022
Date Reported: 10/20/2022

Submitted By: Soil and Water Consulting

Lab Number	0050			0051		
Description	TEE			TEE		
	1			17		
pH	7.7			7.8		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	227			214		
Chloride	31			28		
Nitrate (NO ₃ -N)	< 0.5			< 0.5		
Bicarbonate	95.44			95.92		
Sulfur	16.50			11.65		
Phosphorus	1.67			1.43		
Calcium	38.16	1.90	48.33	36.81	1.84	52.11
Magnesium	6.95	0.57	14.50	5.56	0.46	12.98
Potassium	19.49	0.50	12.65	20.84	0.53	15.12
Sodium	22.22	0.97	24.52	16.04	0.70	19.79
TOTAL		3.94	100		3.52	100
Boron	0.04			0.05		
Iron	3.55			1.75		
Manganese	0.28			0.16		
Copper	0.09			0.06		
Zinc	0.06			0.03		
Aluminum	3.10			2.19		
Ammonium (NH ₄ -N)	3.3			3.1		
ESP (calculated)	0.02			< .01		
SAR (calculated)	0.87			0.65		

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0052			0053		
Description	FAIRWAY			FAIRWAY		
	1			17		
pH	7.7			7.7		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	347			241		
Chloride	86			54		
Nitrate (NO3-N)	1.5			0.7		
Bicarbonate	60.26			83.12		
Sulfur	28.54			13.01		
Phosphorus	0.40			0.88		
Calcium	62.54	3.12	53.14	38.59	1.93	49.32
Magnesium	9.93	0.82	13.91	6.77	0.56	14.26
Potassium	8.99	0.23	3.91	13.47	0.34	8.82
Sodium	39.23	1.71	29.04	24.78	1.08	27.59
TOTAL		5.87	100		3.90	100
Boron	0.04			0.04		
Iron	1.81			2.36		
Manganese	0.14			0.23		
Copper	0.10			0.12		
Zinc	0.04			0.05		
Aluminum	3.14			3.75		
Ammonium (NH4-N)	1.0			3.8		
ESP (calculated)	0.53			0.17		
SAR (calculated)	1.22			0.97		

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Lab Number	0054			0055		
Description	GREEN			GREEN		
	1			17		
pH	7.4			7.4		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	159			162		
Chloride	22			21		
Nitrate (NO3-N)	4.3			2.6		
Bicarbonate	27.70			24.94		
Sulfur	13.82			17.52		
Phosphorus	4.34			2.61		
Calcium	19.47	0.97	36.37	19.35	0.97	36.06
Magnesium	4.69	0.39	14.44	4.63	0.38	14.21
Potassium	15.11	0.39	14.46	18.64	0.48	17.80
Sodium	21.34	0.93	34.73	19.67	0.86	31.94
TOTAL		2.67	100		2.68	100
Boron	0.05			0.05		
Iron	1.58			1.42		
Manganese	0.06			0.05		
Copper	0.08			0.09		
Zinc	0.05			0.04		
Aluminum	2.07			1.64		
Ammonium (NH4-N)	< 0.5			< 0.5		
ESP (calculated)	0.40			0.28		
SAR (calculated)	1.13			1.04		

* Soluble Salts: mmhos/cm = ppm / 640