

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Jumping Brook Country Club
210 Jumping Brook Road
Neptune, NJ 07753

File Number: 74738
Date Received: 10/15/2021
Date Reported: 10/19/2021

Submitted By: Soil and Water Consulting

Lab Number	0005			0006			
Description	TEE			TEE			
	5			16			
pH	7.3			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	273			223			
Chloride	69			42			
Nitrate (NO3-N)	0.7			1.9			
Bicarbonate	75.40			64.77			
Sulfur	12.44			15.72			
Phosphorus	0.71			2.06			
Calcium	35.61	1.78	38.63	31.86	1.59	41.36	
Magnesium	9.43	0.78	16.86	7.63	0.63	16.33	
Potassium	36.76	0.94	20.44	34.18	0.87	22.74	
Sodium	25.48	1.11	24.08	17.30	0.75	19.57	
TOTAL		4.60	100		3.84	100	
Boron	0.05			0.04			
Iron	6.42			2.79			
Manganese	0.22			0.21			
Copper	0.06			0.08			
Zinc	0.04			0.05			
Aluminum	5.57			2.41			
Ammonium (NH4-N)	3.0			2.5			
ESP (calculated)	0.19			< .01			
SAR (calculated)	0.98			0.71			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0007			0008			
Description	FAIRWAY			FAIRWAY			
	5			16			
pH	7.4			7.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	232			270			
Chloride	41			46			
Nitrate (NO3-N)	2.4			16.9			
Bicarbonate	70.02			41.93			
Sulfur	12.79			11.86			
Phosphorus	1.79			1.04			
Calcium	31.96	1.59	41.33	38.42	1.92	44.08	
Magnesium	5.36	0.44	11.42	8.42	0.69	15.93	
Potassium	37.65	0.96	24.95	39.99	1.02	23.52	
Sodium	19.79	0.86	22.30	16.48	0.72	16.48	
TOTAL		3.86	100		4.35	100	
Boron	0.04			0.04			
Iron	3.01			4.08			
Manganese	0.08			0.06			
Copper	0.05			0.06			
Zinc	0.05			0.04			
Aluminum	3.23			4.43			
Ammonium (NH4-N)	2.9			1.7			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.85			0.63			

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Lab Number	0009			0010			
Description	GREEN			GREEN			
	5			16			
pH	7.2			6.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	243			255			
Chloride	21			24			
Nitrate (NO ₃ -N)	10.0			9.9			
Bicarbonate	28.57			20.51			
Sulfur	31.22			36.28			
Phosphorus	3.13			2.40			
Calcium	33.73	1.68	42.01	34.51	1.72	42.42	
Magnesium	6.82	0.56	14.00	5.92	0.49	11.99	
Potassium	30.93	0.79	19.74	33.30	0.85	20.98	
Sodium	22.34	0.97	24.25	22.98	1.00	24.61	
TOTAL		4.01	100		4.06	100	
Boron	0.04			0.06			
Iron	1.31			1.09			
Manganese	0.03			0.03			
Copper	0.04			0.04			
Zinc	0.07			0.03			
Aluminum	1.68			1.34			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	0.09			0.14			
SAR (calculated)	0.92			0.95			

* Soluble Salts: mmhos/cm = ppm / 640