

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 10/25/2019
Date Reported: 10/29/2019

Submitted By: Soil and Water Consulting

Lab Number	0069			0070			
Description	TEE			TEE			
	2			12			
pH	7.7			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	419			408			
Chloride	65			58			
Nitrate (NO3-N)	14.5			3.9			
Bicarbonate	33.63			89.31			
Sulfur	27.82			16.84			
Phosphorus	0.48			5.15			
Calcium	42.73	2.13	38.55	29.92	1.49	34.42	
Magnesium	10.04	0.83	14.93	5.74	0.47	10.88	
Potassium	54.03	1.38	24.98	63.19	1.62	37.26	
Sodium	27.39	1.19	21.53	17.40	0.76	17.44	
TOTAL		5.53	100		4.34	100	
Boron	0.05			0.05			
Iron	2.60			1.91			
Manganese	0.02			0.02			
Copper	0.06			0.12			
Zinc	0.03			0.04			
Aluminum	1.86			1.73			
Ammonium (NH4-N)	1.1			19.7			
ESP (calculated)	0.18			< .01			
SAR (calculated)	0.98			0.76			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0071			0072			
Description	FAIRWAY			FAIRWAY			
	2			12			
pH	7.5			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	548			386			
Chloride	115			67			
Nitrate (NO ₃ -N)	14.6			14.8			
Bicarbonate	25.22			32.63			
Sulfur	46.30			22.84			
Phosphorus	0.62			0.51			
Calcium	55.40	2.76	37.11	43.56	2.17	42.39	
Magnesium	13.35	1.10	14.74	9.60	0.79	15.39	
Potassium	84.47	2.16	29.00	49.35	1.26	24.61	
Sodium	32.81	1.43	19.15	20.77	0.90	17.61	
TOTAL		7.45	100		5.13	100	
Boron	0.09			0.04			
Iron	1.73			2.15			
Manganese	0.02			0.01			
Copper	0.07			0.04			
Zinc	0.05			0.03			
Aluminum	2.53			2.31			
Ammonium (NH ₄ -N)	9.9			5.6			
ESP (calculated)	0.25			< .01			
SAR (calculated)	1.03			0.74			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0073			0074			
Description	GREEN			GREEN			
	2			12			
pH	7.5			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	367			305			
Chloride	61			45			
Nitrate (NO ₃ -N)	9.9			8.6			
Bicarbonate	20.26			13.48			
Sulfur	30.83			29.44			
Phosphorus	1.08			1.54			
Calcium	38.68	1.93	38.82	34.41	1.72	39.32	
Magnesium	9.69	0.80	16.03	6.62	0.54	12.48	
Potassium	53.84	1.38	27.70	47.07	1.20	27.57	
Sodium	19.96	0.87	17.46	20.72	0.90	20.63	
TOTAL		4.97	100		4.37	100	
Boron	0.04			0.05			
Iron	1.18			1.08			
Manganese	0.02			0.01			
Copper	0.05			0.05			
Zinc	0.06			0.08			
Aluminum	1.66			1.16			
Ammonium (NH ₄ -N)	5.2			1.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.74			0.85			

* Soluble Salts: mmhos/cm = ppm / 640