

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 4/22/2019
Date Reported: 4/24/2019

Submitted By: Soil and Water Consulting

Lab Number	0179			0180			
Description	TEE			TEE			
	6			18			
pH	7.9			7.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	221			242			
Chloride	23			17			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	80.53			68.33			
Sulfur	14.23			29.34			
Phosphorus	0.66			0.19			
Calcium	39.94	1.99	48.26	45.50	2.27	52.64	
Magnesium	9.22	0.76	18.37	10.04	0.83	19.14	
Potassium	31.14	0.80	19.29	24.73	0.63	14.66	
Sodium	13.38	0.58	14.09	13.45	0.58	13.56	
TOTAL		4.13	100		4.31	100	
Boron	0.05			0.06			
Iron	1.25			0.75			
Manganese	0.15			0.06			
Copper	0.04			0.03			
Zinc	0.02			0.03			
Aluminum	1.62			0.83			
Ammonium (NH4-N)	2.1			1.2			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.50			0.47			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0181			0182			
Description	FAIRWAY			FAIRWAY			
	6			18			
pH	7.7			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	226			184			
Chloride	15			14			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	95.18			73.21			
Sulfur	16.97			12.61			
Phosphorus	0.22			0.25			
Calcium	45.27	2.26	53.76	30.45	1.52	46.05	
Magnesium	10.07	0.83	19.71	8.39	0.69	20.91	
Potassium	14.46	0.37	8.80	14.29	0.37	11.08	
Sodium	17.14	0.75	17.73	16.67	0.72	21.97	
TOTAL		4.20	100		3.30	100	
Boron	0.04			0.03			
Iron	1.82			2.29			
Manganese	0.06			0.05			
Copper	0.05			0.05			
Zinc	0.04			0.05			
Aluminum	1.99			2.05			
Ammonium (NH ₄ -N)	2.2			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.60			0.69			

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Lab Number	0183			0184			
Description	GREEN			GREEN			
	6			18			
pH	7.6			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	194			191			
Chloride	17			9			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	70.77			63.45			
Sulfur	21.45			27.79			
Phosphorus	1.12			0.84			
Calcium	27.99	1.40	43.11	31.54	1.57	48.36	
Magnesium	6.50	0.53	16.51	5.97	0.49	15.08	
Potassium	24.53	0.63	19.36	29.16	0.75	22.91	
Sodium	15.67	0.68	21.02	10.21	0.44	13.64	
TOTAL		3.24	100		3.25	100	
Boron	0.04			0.03			
Iron	1.05			0.78			
Manganese	< 0.01			0.02			
Copper	0.04			0.03			
Zinc	0.05			0.04			
Aluminum	1.26			0.88			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.69			0.44			

* Soluble Salts: mmhos/cm = ppm / 640