

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 10/9/2018
Date Reported: 10/11/2018

Submitted By: Soil and Water Consulting

Lab Number	0019			0020			
Description	TEE			TEE			
	1			17			
pH	7.6			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	149			150			
Chloride	17			15			
Nitrate (NO ₃ -N)	8.7			10.1			
Bicarbonate	51.25			39.05			
Sulfur	9.11			7.86			
Phosphorus	0.88			0.61			
Calcium	17.88	0.89	41.20	19.72	0.98	45.48	
Magnesium	4.44	0.37	16.86	4.07	0.33	15.46	
Potassium	13.05	0.33	15.41	14.45	0.37	17.07	
Sodium	13.22	0.57	26.53	10.95	0.48	22.00	
TOTAL		2.17	100		2.16	100	
Boron	0.05			0.05			
Iron	3.86			6.22			
Manganese	0.03			0.04			
Copper	0.05			0.05			
Zinc	0.03			0.03			
Aluminum	3.52			4.81			
Ammonium (NH ₄ -N)	1.9			2.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.72			0.59			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0021			0022			
Description	FAIRWAY			FAIRWAY			
	1			17			
pH	7.5			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	126			262			
Chloride	7			32			
Nitrate (NO ₃ -N)	12.4			14.6			
Bicarbonate	31.73			31.73			
Sulfur	4.80			25.26			
Phosphorus	0.91			0.70			
Calcium	15.43	0.77	39.62	27.71	1.38	35.00	
Magnesium	4.03	0.33	17.04	8.19	0.67	17.05	
Potassium	16.18	0.41	21.30	32.04	0.82	20.75	
Sodium	9.85	0.43	22.05	24.72	1.07	27.21	
TOTAL		1.94	100		3.95	100	
Boron	0.03			0.08			
Iron	1.53			2.53			
Manganese	< 0.01			0.02			
Copper	0.05			0.06			
Zinc	0.02			0.03			
Aluminum	1.84			1.71			
Ammonium (NH ₄ -N)	0.8			0.6			
ESP (calculated)	< .01			0.30			
SAR (calculated)	0.58			1.06			

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Lab Number	0023			0024			
Description	GREEN			GREEN			
	1			17			
pH	7.5			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	92			86			
Chloride	11			10			
Nitrate (NO ₃ -N)	2.8			3.2			
Bicarbonate	26.84			29.28			
Sulfur	5.87			5.21			
Phosphorus	1.47			2.84			
Calcium	12.34	0.62	40.74	9.81	0.49	37.17	
Magnesium	2.82	0.23	15.33	2.43	0.20	15.19	
Potassium	10.52	0.27	17.80	9.63	0.25	18.70	
Sodium	9.08	0.39	26.13	8.77	0.38	28.94	
TOTAL		1.51	100		1.32	100	
Boron	0.04			0.04			
Iron	2.49			2.09			
Manganese	0.03			0.03			
Copper	0.06			0.05			
Zinc	0.05			0.03			
Aluminum	3.05			2.32			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.61			0.65			

* Soluble Salts: mmhos/cm = ppm / 640