

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 5/14/2024
Date Reported: 5/16/2024

Submitted By: Soil and Water Consulting

Lab Number	0116			0117			
Description	TEE			TEE			
	6			18			
pH	7.6			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	146			225			
Chloride	20			28			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	30.85			14.74			
Sulfur	10.66			29.37			
Phosphorus	2.71			1.14			
Calcium	16.23	0.81	39.35	26.49	1.32	42.27	
Magnesium	3.98	0.33	15.92	6.27	0.52	16.48	
Potassium	17.48	0.45	21.72	26.03	0.67	21.29	
Sodium	10.89	0.47	23.01	14.36	0.62	19.96	
TOTAL		2.06	100		3.13	100	
Boron	0.04			0.05			
Iron	4.00			2.89			
Manganese	0.09			0.20			
Copper	0.03			0.02			
Zinc	0.05			0.03			
Aluminum	4.62			6.79			
Ammonium (NH4-N)	0.8			1.1			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.63			0.65			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0118			0119			
Description	FAIRWAY			FAIRWAY			
	6			18			
pH	7.8			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	278			243			
Chloride	61			38			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	58.87			51.18			
Sulfur	13.95			18.80			
Phosphorus	3.12			1.18			
Calcium	29.34	1.46	36.86	31.78	1.59	44.50	
Magnesium	6.49	0.53	13.44	5.92	0.49	13.67	
Potassium	34.06	0.87	21.93	25.59	0.65	18.37	
Sodium	25.37	1.10	27.77	19.23	0.84	23.46	
TOTAL		3.97	100		3.56	100	
Boron	0.05			0.06			
Iron	4.50			8.95			
Manganese	0.19			0.19			
Copper	0.04			0.02			
Zinc	0.08			0.06			
Aluminum	8.20			15.13			
Ammonium (NH ₄ -N)	1.4			< 0.5			
ESP (calculated)	0.37			< .01			
SAR (calculated)	1.10			0.82			

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Lab Number	0120			0121			
Description	GREEN			GREEN			
	6			18			
pH	7.1			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	227			269			
Chloride	11			6			
Nitrate (NO3-N)	3.9			2.0			
Bicarbonate	12.69			13.32			
Sulfur	36.95			50.96			
Phosphorus	2.26			1.88			
Calcium	33.28	1.66	51.65	41.44	2.07	55.62	
Magnesium	5.61	0.46	14.34	5.70	0.47	12.60	
Potassium	21.99	0.56	17.49	28.23	0.72	19.42	
Sodium	12.22	0.53	16.52	10.57	0.46	12.36	
TOTAL		3.22	100		3.72	100	
Boron	0.04			0.03			
Iron	3.09			0.82			
Manganese	0.12			0.04			
Copper	0.02			0.02			
Zinc	0.07			0.03			
Aluminum	4.61			1.16			
Ammonium (NH4-N)	0.9			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.52			0.41			

* Soluble Salts: mmhos/cm = ppm / 640