

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 4/27/2021
Date Reported: 4/29/2021

Submitted By: Soil and Water Consulting

Lab Number	0072			0073			
Description	TEE			TEE			
	6			18			
pH	7.7			7.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	152			173			
Chloride	23			14			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	66.26			13.64			
Sulfur	5.61			31.23			
Phosphorus	2.41			0.68			
Calcium	21.12	1.05	45.27	25.26	1.26	45.69	
Magnesium	4.83	0.40	17.07	7.23	0.59	21.57	
Potassium	16.60	0.42	18.24	16.32	0.42	15.13	
Sodium	10.40	0.45	19.43	11.17	0.49	17.61	
TOTAL		2.33	100		2.76	100	
Boron	0.03			0.05			
Iron	1.09			0.93			
Manganese	0.11			0.32			
Copper	0.04			0.03			
Zinc	0.02			0.02			
Aluminum	1.53			1.27			
Ammonium (NH ₄ -N)	1.8			2.2			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.53			0.50			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0074			0075			
Description	FAIRWAY			FAIRWAY			
	6			18			
pH	7.7			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	116			312			
Chloride	15			21			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	53.93			108.06			
Sulfur	4.73			44.81			
Phosphorus	0.75			0.33			
Calcium	20.45	1.02	49.59	65.31	3.26	57.56	
Magnesium	4.35	0.36	17.37	13.02	1.07	18.91	
Potassium	13.56	0.35	16.86	23.01	0.59	10.40	
Sodium	7.65	0.33	16.18	17.10	0.74	13.13	
TOTAL		2.06	100		5.66	100	
Boron	0.02			0.03			
Iron	3.92			2.15			
Manganese	0.10			0.29			
Copper	0.03			0.03			
Zinc	0.03			0.03			
Aluminum	4.28			1.82			
Ammonium (NH ₄ -N)	3.0			1.9			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.40			0.51			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0076			0077			
Description	GREEN			GREEN			
	6			18			
pH	7.4			7.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	115			122			
Chloride	6			7			
Nitrate (NO ₃ -N)	0.5			< 0.5			
Bicarbonate	28.13			24.69			
Sulfur	17.57			18.65			
Phosphorus	1.90			1.58			
Calcium	15.09	0.75	42.66	13.17	0.66	38.23	
Magnesium	3.10	0.25	14.44	2.61	0.21	12.47	
Potassium	16.43	0.42	23.80	18.99	0.49	28.25	
Sodium	7.76	0.34	19.10	8.32	0.36	21.04	
TOTAL		1.77	100		1.72	100	
Boron	0.03			0.04			
Iron	0.72			0.92			
Manganese	0.02			0.02			
Copper	0.04			0.03			
Zinc	0.03			0.03			
Aluminum	0.83			1.05			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.48			0.55			

* Soluble Salts: mmhos/cm = ppm / 640