

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 9/15/2020
Date Reported: 9/18/2020

Submitted By: Soil and Water Consulting

Lab Number	0081			0082			
Description	TEE			TEE			
	13			15			
pH	7.8			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	244			209			
Chloride	41			36			
Nitrate (NO ₃ -N)	0.6			< 0.5			
Bicarbonate	78.91			76.70			
Sulfur	13.87			11.88			
Phosphorus	0.22			0.39			
Calcium	33.34	1.66	41.07	18.31	0.91	33.30	
Magnesium	6.58	0.54	13.36	3.71	0.31	11.14	
Potassium	31.92	0.82	20.15	25.32	0.65	23.60	
Sodium	23.68	1.03	25.42	20.17	0.88	31.96	
TOTAL		4.05	100		2.74	100	
Boron	0.05			0.07			
Iron	1.67			2.66			
Manganese	0.27			0.15			
Copper	0.04			0.03			
Zinc	0.03			0.02			
Aluminum	2.10			3.44			
Ammonium (NH ₄ -N)	1.9			2.1			
ESP (calculated)	0.19			0.39			
SAR (calculated)	0.98			1.12			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0083			0084			
Description	FAIRWAY			FAIRWAY			
	13			17			
pH	7.4			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	163			375			
Chloride	29			66			
Nitrate (NO3-N)	1.4			10.0			
Bicarbonate	27.22			93.58			
Sulfur	12.91			16.00			
Phosphorus	0.70			0.96			
Calcium	16.71	0.83	35.20	49.55	2.47	45.07	
Magnesium	2.88	0.24	9.99	9.08	0.75	13.61	
Potassium	25.96	0.66	28.03	46.90	1.20	21.87	
Sodium	14.59	0.63	26.77	24.54	1.07	19.45	
TOTAL		2.37	100		5.49	100	
Boron	0.03			0.04			
Iron	1.94			3.18			
Manganese	0.09			0.12			
Copper	0.04			0.04			
Zinc	0.03			0.07			
Aluminum	1.98			3.42			
Ammonium (NH4-N)	1.3			4.9			
ESP (calculated)	0.02			< .01			
SAR (calculated)	0.87			0.84			

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Lab Number	0085			0086			
Description	GREEN			GREEN			
	13			15			
pH	7.3			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	166			215			
Chloride	20			24			
Nitrate (NO3-N)	2.3			5.4			
Bicarbonate	19.76			18.61			
Sulfur	16.87			17.53			
Phosphorus	1.59			1.57			
Calcium	21.24	1.06	41.64	25.24	1.26	43.33	
Magnesium	3.29	0.27	10.62	4.09	0.34	11.57	
Potassium	22.88	0.59	22.99	25.30	0.65	22.26	
Sodium	14.49	0.63	24.75	15.27	0.66	22.84	
TOTAL		2.55	100		2.91	100	
Boron	0.03			0.07			
Iron	0.99			1.27			
Manganese	0.02			0.02			
Copper	0.02			0.02			
Zinc	0.02			0.04			
Aluminum	1.21			1.53			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.77			0.74			

* Soluble Salts: mmhos/cm = ppm / 640