

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 74738
Date Received: 4/24/2017
Date Reported: 4/26/2017

Submitted By: Soil and Water Consulting

Lab Number	0038
Description	CLUBHOUSE PG

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	99					
Chloride	9					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	65.89					
Sulfur	3.24					
Phosphorus	2.69					
Calcium	13.99	0.70	47.97			
Magnesium	2.79	0.23	15.78			
Potassium	10.46	0.27	18.39			
Sodium	5.98	0.26	17.85			
TOTAL		1.46	100			
Boron	0.03					
Iron	1.04					
Manganese	0.02					
Copper	0.03					
Zinc	0.02					
Aluminum	2.11					
Ammonium (NH ₄ -N)	0.8					
ESP (calculated)	< .01					
SAR (calculated)	0.38					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0039			0040			
Description	GREEN			GREEN			
	5			13			
pH	7.7			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	106			122			
Chloride	8			11			
Nitrate (NO3-N)	1.4			< 0.5			
Bicarbonate	53.69			70.77			
Sulfur	4.19			5.61			
Phosphorus	4.12			3.17			
Calcium	14.08	0.70	41.45	16.80	0.84	43.11	
Magnesium	3.95	0.32	19.17	3.95	0.32	16.70	
Potassium	18.42	0.47	27.79	20.08	0.51	26.42	
Sodium	4.52	0.20	11.59	6.15	0.27	13.76	
TOTAL		1.70	100		1.94	100	
Boron	0.05			0.04			
Iron	4.30			4.03			
Manganese	0.05			0.04			
Copper	0.07			0.08			
Zinc	0.13			0.08			
Aluminum	6.32			5.60			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.27			0.35			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0041			0042			
Description	GREEN			GREEN			
	14			16			
pH	7.6			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	111			95			
Chloride	11			9			
Nitrate (NO ₃ -N)	< 0.5			1.7			
Bicarbonate	56.13			48.81			
Sulfur	5.38			3.65			
Phosphorus	1.91			2.57			
Calcium	14.41	0.72	41.32	12.79	0.64	44.97	
Magnesium	3.65	0.30	17.23	2.71	0.22	15.72	
Potassium	18.05	0.46	26.53	14.38	0.37	25.91	
Sodium	5.97	0.26	14.92	4.37	0.19	13.40	
TOTAL		1.74	100		1.42	100	
Boron	0.04			0.04			
Iron	1.50			2.02			
Manganese	0.04			0.03			
Copper	0.07			0.07			
Zinc	0.07			0.04			
Aluminum	1.87			2.80			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.36			0.29			

* Soluble Salts: mmhos/cm = ppm / 640