

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

East Orange Golf Course
Milburn, NJ

File Number: 73847
Date Received: 7/19/2021
Date Reported: 7/21/2021

Submitted By: Soil and Water Consulting

Lab Number	0036			0037			
Description	TEE			TEE			
	8			15			
pH	7.7			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	243			263			
Chloride	24			20			
Nitrate (NO3-N)	9.7			15.1			
Bicarbonate	57.63			52.66			
Sulfur	21.84			20.40			
Phosphorus	0.55			0.66			
Calcium	38.51	1.92	48.31	45.52	2.27	53.93	
Magnesium	10.69	0.88	22.10	10.00	0.82	19.52	
Potassium	26.13	0.67	16.80	24.38	0.62	14.80	
Sodium	11.69	0.51	12.78	11.38	0.49	11.75	
TOTAL		3.98	100		4.21	100	
Boron	0.05			0.08			
Iron	0.51			0.55			
Manganese	0.02			0.03			
Copper	0.02			0.03			
Zinc	0.02			0.03			
Aluminum	0.56			0.54			
Ammonium (NH4-N)	1.4			1.4			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.43			0.40			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038			0039			
Description	FAIRWAY			FAIRWAY			
	8			15			
pH	7.4			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	138			207			
Chloride	29			49			
Nitrate (NO ₃ -N)	< 0.5			1.1			
Bicarbonate	28.63			39.71			
Sulfur	9.76			12.75			
Phosphorus	0.15			0.10			
Calcium	21.46	1.07	49.24	34.61	1.73	53.75	
Magnesium	5.97	0.49	22.57	8.79	0.72	22.49	
Potassium	8.99	0.23	10.57	7.98	0.20	6.36	
Sodium	8.82	0.38	17.62	12.85	0.56	17.40	
TOTAL		2.18	100		3.21	100	
Boron	0.04			0.06			
Iron	1.06			0.44			
Manganese	0.20			0.07			
Copper	0.02			0.02			
Zinc	0.02			0.01			
Aluminum	1.08			0.62			
Ammonium (NH ₄ -N)	1.0			1.3			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.43			0.50			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0040			0041			
Description	GREEN			GREEN			
	8			15			
pH	7.6			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	194			156			
Chloride	17			14			
Nitrate (NO3-N)	3.1			2.0			
Bicarbonate	41.11			33.93			
Sulfur	23.80			17.49			
Phosphorus	0.58			0.40			
Calcium	27.20	1.36	44.05	22.65	1.13	45.99	
Magnesium	7.06	0.58	18.84	6.32	0.52	21.15	
Potassium	27.69	0.71	22.99	17.82	0.46	18.55	
Sodium	10.01	0.44	14.12	8.09	0.35	14.31	
TOTAL		3.08	100		2.46	100	
Boron	0.07			0.05			
Iron	1.25			0.92			
Manganese	0.07			0.03			
Copper	0.05			0.06			
Zinc	0.03			0.03			
Aluminum	1.73			1.41			
Ammonium (NH4-N)	1.4			0.7			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.44			0.39			

* Soluble Salts: mmhos/cm = ppm / 640