

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Ramblewood Country Club
200 Country Club Pkwy
Mount Laurel, NJ

File Number: 76006
Date Received: 5/13/2019
Date Reported: 5/15/2019

Submitted By: Soil and Water Consulting

Lab Number	0045
Description	WHITE COURSE
	TEE
	7

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	88					
Chloride	11					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	24.40					
Sulfur	8.21					
Phosphorus	0.45					
Calcium	12.22	0.61	40.11			
Magnesium	3.78	0.31	20.43			
Potassium	11.13	0.28	18.72			
Sodium	7.25	0.32	20.74			
TOTAL		1.52	100			
Boron	0.02					
Iron	4.68					
Manganese	0.07					
Copper	0.05					
Zinc	0.03					
Aluminum	1.90					
Ammonium (NH ₄ -N)	0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.46					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0046
Description	RED COURSE
	TEE
	7

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	223					
Chloride	21					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	92.74					
Sulfur	30.58					
Phosphorus	0.64					
Calcium	41.33	2.06	48.23			
Magnesium	12.86	1.06	24.73			
Potassium	16.32	0.42	9.76			
Sodium	16.99	0.74	17.28			
TOTAL		4.28	100			
Boron	0.04					
Iron	2.70					
Manganese	0.31					
Copper	0.02					
Zinc	0.05					
Aluminum	1.73					
Ammonium (NH4-N)	0.8					
ESP (calculated)	< .01					
SAR (calculated)	0.59					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0047
Description	WHITE COURSE FAIRWAY 7

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	595					
Chloride	26					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	56.13					
Sulfur	152.05					
Phosphorus	0.14					
Calcium	149.38	7.45	61.30			
Magnesium	34.07	2.80	23.04			
Potassium	27.38	0.70	5.76			
Sodium	27.70	1.20	9.90			
TOTAL		12.16	100			
Boron	0.02					
Iron	1.57					
Manganese	0.25					
Copper	0.02					
Zinc	0.03					
Aluminum	0.75					
Ammonium (NH ₄ -N)	0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.53					

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Lab Number	0048
Description	RED COURSE FAIRWAY 7

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	116					
Chloride	14					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	24.40					
Sulfur	11.37					
Phosphorus	0.82					
Calcium	20.60	1.03	44.02			
Magnesium	5.43	0.45	19.14			
Potassium	13.60	0.35	14.90			
Sodium	11.79	0.51	21.95			
TOTAL		2.34	100			
Boron	0.05					
Iron	11.10					
Manganese	0.14					
Copper	0.04					
Zinc	0.03					
Aluminum	5.77					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.60					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0049
Description	WHITE COURSE GREEN 7

pH	7.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	271					
Chloride	9					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	46.37					
Sulfur	57.47					
Phosphorus	0.30					
Calcium	43.75	2.18	47.02			
Magnesium	12.28	1.01	21.74			
Potassium	39.28	1.00	21.64			
Sodium	10.25	0.45	9.60			
TOTAL		4.64	100			
Boron	0.01					
Iron	1.44					
Manganese	0.42					
Copper	0.02					
Zinc	0.09					
Aluminum	0.79					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	< .01					
SAR (calculated)	0.35					

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Lab Number	0050
Description	RED COURSE
	GREEN
	7

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	353					
Chloride	10					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	56.13					
Sulfur	78.30					
Phosphorus	0.25					
Calcium	62.74	3.13	49.25			
Magnesium	17.72	1.46	22.92			
Potassium	46.58	1.19	18.74			
Sodium	13.29	0.58	9.09			
TOTAL		6.36	100			
Boron	0.04					
Iron	1.38					
Manganese	0.21					
Copper	0.02					
Zinc	0.06					
Aluminum	0.92					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.38					

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Lab Number	0051
Description	FRONT LAWN

pH	7.7
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	172					
Chloride	24					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	63.45					
Sulfur	4.42					
Phosphorus	0.33					
Calcium	25.74	1.28	46.49			
Magnesium	6.06	0.50	18.03			
Potassium	16.39	0.42	15.17			
Sodium	12.90	0.56	20.31			
TOTAL		2.76	100			
Boron	0.03					
Iron	3.32					
Manganese	0.26					
Copper	0.02					
Zinc	0.05					
Aluminum	2.18					
Ammonium (NH ₄ -N)	1.9					
ESP (calculated)	< .01					
SAR (calculated)	0.59					

* Soluble Salts: mmhos/cm = ppm / 640