

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Ramblewood Country Club
200 Country Club Pkwy
Mount Laurel, NJ

File Number: 76006
Date Received: 5/17/2021
Date Reported: 5/19/2021

Submitted By: Soil and Water Consulting

Lab Number	0008
Description	BLUE COURSE
	TEE
	9

pH	7.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	81					
Chloride	11					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	21.15					
Sulfur	8.40					
Phosphorus	0.87					
Calcium	9.07	0.45	38.01			
Magnesium	2.73	0.22	18.84			
Potassium	7.01	0.18	15.06			
Sodium	7.69	0.33	28.08			
TOTAL		1.19	100			
Boron	0.04					
Iron	9.08					
Manganese	0.11					
Copper	0.03					
Zinc	0.04					
Aluminum	4.72					
Ammonium (NH ₄ -N)	6.3					
ESP (calculated)	< .01					
SAR (calculated)	0.57					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0009
Description	WHITE COURSE
	TEE
	9

pH	7.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	175					
Chloride	19					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	34.50					
Sulfur	24.72					
Phosphorus	0.43					
Calcium	25.28	1.26	44.54			
Magnesium	7.57	0.62	21.99			
Potassium	12.36	0.32	11.16			
Sodium	14.53	0.63	22.31			
TOTAL		2.83	100			
Boron	0.06					
Iron	4.74					
Manganese	0.13					
Copper	0.01					
Zinc	0.03					
Aluminum	2.47					
Ammonium (NH4-N)	2.5					
ESP (calculated)	< .01					
SAR (calculated)	0.65					

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Lab Number	0010
Description	BLUE COURSE FAIRWAY 9

pH	7.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	100					
Chloride	14					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	44.19					
Sulfur	5.39					
Phosphorus	0.93					
Calcium	19.14	0.96	49.13			
Magnesium	4.65	0.38	19.68			
Potassium	13.73	0.35	18.06			
Sodium	5.87	0.26	13.13			
TOTAL		1.94	100			
Boron	0.05					
Iron	5.87					
Manganese	0.05					
Copper	< 0.01					
Zinc	0.03					
Aluminum	3.74					
Ammonium (NH ₄ -N)	1.2					
ESP (calculated)	< .01					
SAR (calculated)	0.31					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0011
Description	WHITE COURSE FAIRWAY 9

pH	7.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	136					
Chloride	14					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	27.39					
Sulfur	19.26					
Phosphorus	0.36					
Calcium	20.27	1.01	43.85			
Magnesium	5.82	0.48	20.76			
Potassium	11.09	0.28	12.30			
Sodium	12.25	0.53	23.09			
TOTAL		2.31	100			
Boron	0.03					
Iron	9.11					
Manganese	0.03					
Copper	0.01					
Zinc	0.03					
Aluminum	4.94					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.62					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0012
Description	BLUE COURSE
	GREEN
	9

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	358					
Chloride	20					
Nitrate (NO3-N)	1.3					
Bicarbonate	55.38					
Sulfur	62.30					
Phosphorus	0.88					
Calcium	23.90	1.19	38.00			
Magnesium	6.20	0.51	16.26			
Potassium	33.19	0.85	27.04			
Sodium	13.50	0.59	18.70			
TOTAL		3.14	100			
Boron	0.03					
Iron	3.09					
Manganese	0.10					
Copper	0.05					
Zinc	0.05					
Aluminum	1.70					
Ammonium (NH4-N)	35.8					
ESP (calculated)	< .01					
SAR (calculated)	0.64					

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Lab Number	0013
Description	WHITE COURSE
	GREEN
	9

pH	7.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	309					
Chloride	7					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	13.89					
Sulfur	76.16					
Phosphorus	0.34					
Calcium	55.22	2.76	56.23			
Magnesium	12.78	1.05	21.45			
Potassium	20.70	0.53	10.81			
Sodium	12.97	0.56	11.51			
TOTAL		4.90	100			
Boron	0.05					
Iron	1.28					
Manganese	0.17					
Copper	0.01					
Zinc	0.07					
Aluminum	0.97					
Ammonium (NH ₄ -N)	8.6					
ESP (calculated)	< .01					
SAR (calculated)	0.41					

* Soluble Salts: mmhos/cm = ppm / 640