

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Brooklake Country Club
Florham Park, NJ

File Number: 90018
Date Received: 5/16/2023
Date Reported: 5/18/2023

Submitted By: Soil and Water Consulting

Lab Number	0036
Description	TEE
	13

pH	7.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	140					
Chloride	16					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	48.04					

Sulfur	10.40					
Phosphorus	1.44					
Calcium	24.25	1.21	51.12			
Magnesium	4.84	0.40	16.82			
Potassium	11.20	0.29	12.11			
Sodium	10.86	0.47	19.95			
TOTAL		2.37	100			

Boron	0.04					
Iron	1.29					
Manganese	0.11					
Copper	0.04					
Zinc	0.03					
Aluminum	1.46					
Ammonium (NH ₄ -N)	< 0.5					

ESP (calculated)	< .01
SAR (calculated)	0.53

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0037
Description	FAIRWAY
	13

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	301					
Chloride	34					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	53.34					
Sulfur	46.17					
Phosphorus	0.24					
Calcium	70.29	3.51	63.97			
Magnesium	11.54	0.95	17.31			
Potassium	5.86	0.15	2.73			
Sodium	20.17	0.88	15.99			
TOTAL		5.48	100			
Boron	0.04					
Iron	1.62					
Manganese	0.63					
Copper	0.06					
Zinc	0.03					
Aluminum	2.53					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.59					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038			0039			
Description	GREEN			GREEN			
	3			6			
pH	7.2			7.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	124			63			
Chloride	10			3			
Nitrate (NO3-N)	3.8			1.2			
Bicarbonate	27.16			15.56			
Sulfur	9.64			3.19			
Phosphorus	1.78			1.30			
Calcium	18.51	0.92	43.80	8.09	0.40	40.29	
Magnesium	3.74	0.31	14.60	1.99	0.16	16.35	
Potassium	8.89	0.23	10.78	4.04	0.10	10.31	
Sodium	14.95	0.65	30.82	7.61	0.33	33.04	
TOTAL		2.11	100		1.00	100	
Boron	0.05			0.04			
Iron	1.48			1.14			
Manganese	0.05			0.03			
Copper	0.11			0.07			
Zinc	0.04			0.02			
Aluminum	1.74			2.40			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.83			0.62			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0040
Description	GREEN
	13

pH	7.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	83					
Chloride	7					
Nitrate (NO ₃ -N)	1.5					
Bicarbonate	32.49					
Sulfur	4.44					
Phosphorus	1.15					
Calcium	12.68	0.63	42.69			
Magnesium	3.87	0.32	21.46			
Potassium	5.33	0.14	9.20			
Sodium	9.08	0.39	26.65			
TOTAL		1.48	100			
Boron	0.04					
Iron	1.28					
Manganese	0.02					
Copper	0.04					
Zinc	0.01					
Aluminum	1.73					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	< .01					
SAR (calculated)	0.57					

* Soluble Salts: mmhos/cm = ppm / 640