

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Jumping Brook Country Club

File Number: 74738

Date Received: 10/13/2016

Date Reported: 10/17/2016

Submitted By: Soil and Water Consulting

Lab Number	0057			0058			
Description	GREEN			GREEN			
	4			7			
pH	7.7			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	121			124			
Chloride	14			20			
Nitrate (NO3-N)	2.3			1.9			
Bicarbonate	48.81			24.40			
Sulfur	7.24			8.60			
Phosphorus	2.92			2.24			
Calcium	12.79	0.64	35.16	12.16	0.61	32.43	
Magnesium	3.59	0.30	16.27	3.63	0.30	15.97	
Potassium	20.13	0.51	28.36	24.08	0.62	32.92	
Sodium	8.44	0.37	20.21	8.03	0.35	18.67	
TOTAL		1.82	100		1.87	100	
Boron	0.03			0.04			
Iron	1.63			1.33			
Manganese	0.01			0.01			
Copper	0.09			0.09			
Zinc	0.06			0.07			
Aluminum	2.52			1.87			
Ammonium (NH4-N)	< 0.5			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.54			0.52			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0059			0060			
Description	GREEN			GREEN			
	9			11			
pH	7.6			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	117			116			
Chloride	12			11			
Nitrate (NO ₃ -N)	0.8			0.7			
Bicarbonate	41.49			46.37			
Sulfur	7.01			8.02			
Phosphorus	1.97			3.16			
Calcium	14.22	0.71	38.47	12.59	0.63	37.26	
Magnesium	3.22	0.26	14.33	2.61	0.21	12.71	
Potassium	18.94	0.48	26.26	19.51	0.50	29.58	
Sodium	8.89	0.39	20.94	7.93	0.34	20.45	
TOTAL		1.85	100		1.69	100	
Boron	0.03			0.03			
Iron	0.90			1.18			
Manganese	< 0.01			< 0.01			
Copper	0.09			0.08			
Zinc	0.04			0.04			
Aluminum	1.38			1.73			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.55			0.53			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0061
Description	GREEN
	15

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	137					
Chloride	13					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	56.13					

Sulfur	7.45					
Phosphorus	2.68					
Calcium	16.26	0.81	38.86			
Magnesium	3.53	0.29	13.89			
Potassium	24.00	0.61	29.40			
Sodium	8.57	0.37	17.85			
TOTAL		2.09	100			

Boron	0.03					
Iron	2.79					
Manganese	0.04					
Copper	0.10					
Zinc	0.08					
Aluminum	2.99					
Ammonium (NH ₄ -N)	0.5					

ESP (calculated)	< .01					
SAR (calculated)	0.50					

* Soluble Salts: mmhos/cm = ppm / 640