

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number: 34998
Date Received: 07/17/2020
Date Reported: 07/21/2020

Submitted By: Soil and Water Consulting

Lab Number	0037
Description	TEE
	13

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	620					
Chloride	66					
Nitrate (NO ₃ -N)	52.1					
Bicarbonate	88.19					
Sulfur	47.91					
Phosphorus	1.78					
Calcium	83.47	4.17	37.93			
Magnesium	10.67	0.88	7.99			
Potassium	28.46	0.73	6.63			
Sodium	119.83	5.21	47.45			
TOTAL		10.98	100			
Boron	0.16					
Iron	0.88					
Manganese	0.03					
Copper	0.02					
Zinc	0.02					
Aluminum	1.56					
Ammonium (NH ₄ -N)	0.9					
ESP (calculated)	3.46					
SAR (calculated)	3.28					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038
Description	FAIRWAY
	13

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1238					
Chloride	150					
Nitrate (NO3-N)	126.8					
Bicarbonate	68.42					
Sulfur	125.46					
Phosphorus	2.82					
Calcium	140.35	7.00	31.39			
Magnesium	22.26	1.83	8.21			
Potassium	66.01	1.69	7.57			
Sodium	271.13	11.79	52.84			
TOTAL		22.31	100			
Boron	0.35					
Iron	0.58					
Manganese	0.04					
Copper	0.04					
Zinc	0.03					
Aluminum	1.04					
Ammonium (NH4-N)	3.8					
ESP (calculated)	6.55					
SAR (calculated)	5.61					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0039			0040			
Description	GREEN			GREEN			
	4			13			
pH	7.9			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	571			765			
Chloride	77			84			
Nitrate (NO ₃ -N)	44.0			79.6			
Bicarbonate	74.72			72.10			
Sulfur	25.06			48.43			
Phosphorus	3.35			3.33			
Calcium	52.74	2.63	30.97	70.34	3.51	30.96	
Magnesium	9.17	0.75	8.88	14.16	1.16	10.27	
Potassium	52.76	1.35	15.88	69.27	1.77	15.63	
Sodium	86.53	3.76	44.27	112.49	4.89	43.14	
TOTAL		8.50	100		11.34	100	
Boron	0.13			0.19			
Iron	0.58			0.77			
Manganese	0.05			0.06			
Copper	0.05			0.04			
Zinc	0.02			0.03			
Aluminum	0.77			1.16			
Ammonium (NH ₄ -N)	16.0			21.9			
ESP (calculated)	2.92			3.34			
SAR (calculated)	2.89			3.20			

* Soluble Salts: mmhos/cm = ppm / 640