

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 9/27/2018
Date Reported: 10/1/2018

Submitted By: Soil and Water Consulting

Lab Number	0049
Description	TEE
	2

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	854					
Chloride	125					
Nitrate (NO ₃ -N)	17.6					
Bicarbonate	207.43					
Sulfur	87.24					
Phosphorus	1.34					
Calcium	90.85	4.53	28.47			
Magnesium	13.81	1.14	7.14			
Potassium	31.78	0.81	5.11			
Sodium	217.10	9.44	59.29			
TOTAL		15.92	100			
Boron	0.18					
Iron	1.29					
Manganese	0.03					
Copper	0.13					
Zinc	0.02					
Aluminum	2.45					
Ammonium (NH ₄ -N)	0.8					
ESP (calculated)	6.55					
SAR (calculated)	5.61					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0050
Description	FAIRWAY
	2

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	838					
Chloride	105					
Nitrate (NO ₃ -N)	27.7					
Bicarbonate	275.77					
Sulfur	64.80					
Phosphorus	1.89					
Calcium	90.67	4.52	29.07			
Magnesium	14.95	1.23	7.90			
Potassium	51.07	1.31	8.39			
Sodium	195.56	8.50	54.64			
TOTAL		15.56	100			
Boron	0.22					
Iron	1.01					
Manganese	0.05					
Copper	0.15					
Zinc	0.03					
Aluminum	1.76					
Ammonium (NH ₄ -N)	1.3					
ESP (calculated)	5.78					
SAR (calculated)	5.01					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0051			0052			
Description	GREEN			GREEN			
	2			11			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	264			308			
Chloride	30			42			
Nitrate (NO3-N)	< 0.5			0.9			
Bicarbonate	73.21			85.41			
Sulfur	15.85			16.65			
Phosphorus	3.08			4.23			
Calcium	18.61	0.93	20.36	19.73	0.98	18.10	
Magnesium	4.22	0.35	7.61	4.62	0.38	6.98	
Potassium	23.34	0.60	13.09	31.07	0.79	14.61	
Sodium	61.84	2.69	58.95	75.42	3.28	60.30	
TOTAL		4.56	100		5.44	100	
Boron	0.12			0.14			
Iron	1.77			1.35			
Manganese	0.15			0.09			
Copper	0.11			0.12			
Zinc	0.04			0.03			
Aluminum	2.43			1.75			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	3.57			4.39			
SAR (calculated)	3.37			3.97			

* Soluble Salts: mmhos/cm = ppm / 640