

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 9/23/2019
Date Reported: 9/25/2019

Submitted By: Soil and Water Consulting

Lab Number	0054
Description	TEE
	16

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	541					
Chloride	61					
Nitrate (NO ₃ -N)	6.0					
Bicarbonate	192.79					
Sulfur	69.23					
Phosphorus	1.00					
Calcium	70.90	3.54	35.45			
Magnesium	8.42	0.69	6.94			
Potassium	19.80	0.51	5.07			
Sodium	120.60	5.24	52.54			
TOTAL		9.98	100			
Boron	0.17					
Iron	1.22					
Manganese	0.06					
Copper	0.07					
Zinc	0.03					
Aluminum	1.99					
Ammonium (NH ₄ -N)	1.9					
ESP (calculated)	3.90					
SAR (calculated)	3.61					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0055
Description	FAIRWAY
	16

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	787					
Chloride	91					
Nitrate (NO3-N)	9.6					
Bicarbonate	266.00					
Sulfur	71.52					
Phosphorus	1.27					
Calcium	65.09	3.25	26.19			
Magnesium	10.72	0.88	7.11			
Potassium	56.74	1.45	11.70			
Sodium	156.85	6.82	55.00			
TOTAL		12.40	100			
Boron	0.15					
Iron	1.41					
Manganese	0.05					
Copper	0.10					
Zinc	0.04					
Aluminum	2.42					
Ammonium (NH4-N)	22.3					
ESP (calculated)	5.43					
SAR (calculated)	4.75					

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0056			0057			
Description	GREEN			GREEN			
	7			16			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	219			209			
Chloride	21			20			
Nitrate (NO3-N)	3.3			0.8			
Bicarbonate	97.62			107.38			
Sulfur	9.53			12.12			
Phosphorus	2.87			2.85			
Calcium	14.50	0.72	20.49	13.42	0.67	20.94	
Magnesium	3.42	0.28	7.98	3.18	0.26	8.18	
Potassium	23.29	0.60	16.87	22.07	0.56	17.65	
Sodium	44.40	1.93	54.67	39.17	1.70	53.23	
TOTAL		3.53	100		3.20	100	
Boron	0.14			0.10			
Iron	1.59			1.26			
Manganese	0.09			0.07			
Copper	0.06			0.07			
Zinc	0.03			0.03			
Aluminum	1.90			1.65			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	2.68			2.36			
SAR (calculated)	2.72			2.50			

* Soluble Salts: mmhos/cm = ppm / 640