

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 6/7/2018
Date Reported: 6/11/2018

Submitted By: Soil and Water Consulting

Lab Number	0020
Description	TEE
	3

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	547					
Chloride	71					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	290.41					

Sulfur	26.11					
Phosphorus	2.91					
Calcium	80.04	3.99	35.28			
Magnesium	11.30	0.93	8.21			
Potassium	33.49	0.86	7.57			
Sodium	127.43	5.54	48.94			
TOTAL		11.32	100			

Boron	0.18
Iron	2.00
Manganese	0.20
Copper	0.12
Zinc	0.05
Aluminum	3.75
Ammonium (NH ₄ -N)	3.5

ESP (calculated)	3.80
SAR (calculated)	3.53

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0021
Description	FAIRWAY
	3

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	846					
Chloride	132					
Nitrate (NO ₃ -N)	3.3					
Bicarbonate	241.60					
Sulfur	84.99					
Phosphorus	3.48					
Calcium	98.55	4.92	28.41			
Magnesium	15.35	1.26	7.29			
Potassium	58.19	1.49	8.60			
Sodium	221.79	9.64	55.70			
TOTAL		17.31	100			
Boron	0.26					
Iron	1.38					
Manganese	0.10					
Copper	0.10					
Zinc	0.04					
Aluminum	2.34					
Ammonium (NH ₄ -N)	2.9					
ESP (calculated)	6.39					
SAR (calculated)	5.49					

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Lab Number	0022			0023			
Description	GREEN			GREEN			
	3			12			
pH	8.3			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	527			318			
Chloride	76			45			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	126.90			180.59			
Sulfur	61.87			16.36			
Phosphorus	2.37			4.06			
Calcium	54.48	2.72	28.83	27.02	1.35	23.64	
Magnesium	7.83	0.64	6.83	9.78	0.80	14.10	
Potassium	48.85	1.25	13.25	36.70	0.94	16.46	
Sodium	110.83	4.82	51.10	60.09	2.61	45.80	
TOTAL		9.43	100		5.70	100	
Boron	0.09			0.14			
Iron	0.44			17.89			
Manganese	0.21			0.62			
Copper	0.09			0.07			
Zinc	0.02			0.14			
Aluminum	0.59			25.36			
Ammonium (NH4-N)	1.1			< 0.5			
ESP (calculated)	4.05			2.40			
SAR (calculated)	3.72			2.52			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0024
Description	GREEN NEW PG

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	207					
Chloride	24					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	107.38					

Sulfur	10.89					
Phosphorus	1.28					
Calcium	17.64	0.88	23.90			
Magnesium	3.26	0.27	7.29			
Potassium	16.25	0.42	11.29			
Sodium	48.70	2.12	57.52			
TOTAL		3.68	100			

Boron	0.15					
Iron	2.52					
Manganese	0.13					
Copper	0.05					
Zinc	0.02					
Aluminum	3.14					
Ammonium (NH ₄ -N)	1.1					

ESP (calculated)	2.78					
SAR (calculated)	2.79					

* Soluble Salts: mmhos/cm = ppm / 640