

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 6/18/2021
Date Reported: 6/22/2021

Submitted By: Soil and Water Consulting

Lab Number	0021
Description	TEE
	3

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	614					
Chloride	99					
Nitrate (NO ₃ -N)	23.3					
Bicarbonate	121.45					

Sulfur	59.93					
Phosphorus	0.76					
Calcium	55.13	2.75	24.95			
Magnesium	7.60	0.63	5.67			
Potassium	21.24	0.54	4.93			
Sodium	163.41	7.10	64.45			
TOTAL		11.02	100			

Boron	0.16					
Iron	0.25					
Manganese	0.02					
Copper	0.06					
Zinc	0.02					
Aluminum	0.48					
Ammonium (NH ₄ -N)	1.4					

ESP (calculated)	6.37					
SAR (calculated)	5.47					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0022
Description	FAIRWAY
	3

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	719					
Chloride	137					
Nitrate (NO3-N)	27.6					
Bicarbonate	96.49					
Sulfur	69.35					
Phosphorus	3.07					
Calcium	53.11	2.65	19.94			
Magnesium	8.02	0.66	4.96			
Potassium	24.72	0.63	4.76			
Sodium	215.07	9.35	70.35			
TOTAL		13.29	100			
Boron	0.26					
Iron	0.98					
Manganese	0.02					
Copper	0.11					
Zinc	0.06					
Aluminum	1.32					
Ammonium (NH4-N)	3.4					
ESP (calculated)	8.64					
SAR (calculated)	7.27					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0023			0024			
Description	GREEN			GREEN			
	3			12			
pH	7.9			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	563			399			
Chloride	131			90			
Nitrate (NO ₃ -N)	10.4			3.6			
Bicarbonate	60.43			64.76			
Sulfur	50.42			36.71			
Phosphorus	3.47			2.83			
Calcium	32.12	1.60	17.08	27.98	1.40	20.37	
Magnesium	5.66	0.47	4.96	4.59	0.38	5.51	
Potassium	27.37	0.70	7.46	15.53	0.40	5.79	
Sodium	152.24	6.62	70.51	107.71	4.68	68.33	
TOTAL		9.39	100		6.85	100	
Boron	0.19			0.13			
Iron	0.87			1.96			
Manganese	0.06			0.07			
Copper	0.07			0.04			
Zinc	0.03			0.03			
Aluminum	1.17			3.17			
Ammonium (NH ₄ -N)	0.6			0.7			
ESP (calculated)	7.70			5.73			
SAR (calculated)	6.51			4.97			

* Soluble Salts: mmhos/cm = ppm / 640