

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 3/26/2021
Date Reported: 3/30/2021

Submitted By: Soil and Water Consulting

Lab Number	0037
Description	TEE
	9

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	267					
Chloride	33					
Nitrate (NO ₃ -N)	7.6					
Bicarbonate	89.09					

Sulfur	16.45					
Phosphorus	1.26					
Calcium	22.10	1.10	24.85			
Magnesium	4.29	0.35	7.94			
Potassium	9.80	0.25	5.65			
Sodium	62.83	2.73	61.56			
TOTAL		4.44	100			

Boron	0.06					
Iron	4.39					
Manganese	0.08					
Copper	0.04					
Zinc	0.05					
Aluminum	8.46					
Ammonium (NH ₄ -N)	< 0.5					

ESP (calculated)	3.35
SAR (calculated)	3.20

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038
Description	FAIRWAY
	9

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	406					
Chloride	46					
Nitrate (NO3-N)	15.6					
Bicarbonate	79.60					

Sulfur	25.75					
Phosphorus	1.23					
Calcium	22.16	1.11	19.05			
Magnesium	4.14	0.34	5.86			
Potassium	18.05	0.46	7.95			
Sodium	89.66	3.90	67.14			
TOTAL		5.81	100			

Boron	0.12					
Iron	2.06					
Manganese	0.04					
Copper	0.05					
Zinc	0.03					
Aluminum	4.12					
Ammonium (NH4-N)	0.8					

ESP (calculated)	5.21
SAR (calculated)	4.58

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0039			0040			
Description	GREEN			GREEN			
	9			18			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	257			211			
Chloride	46			38			
Nitrate (NO ₃ -N)	1.2			1.8			
Bicarbonate	53.64			41.07			
Sulfur	24.37			17.06			
Phosphorus	3.35			2.86			
Calcium	16.37	0.82	19.63	11.46	0.57	17.91	
Magnesium	3.41	0.28	6.73	2.41	0.20	6.21	
Potassium	13.24	0.34	8.14	12.82	0.33	10.26	
Sodium	62.69	2.73	65.50	48.22	2.10	65.62	
TOTAL		4.16	100		3.20	100	
Boron	0.10			0.08			
Iron	2.05			1.61			
Manganese	0.13			0.07			
Copper	0.05			0.03			
Zinc	0.05			0.03			
Aluminum	2.78			2.13			
Ammonium (NH ₄ -N)	0.6			1.7			
ESP (calculated)	4.00			3.59			
SAR (calculated)	3.68			3.38			

* Soluble Salts: mmhos/cm = ppm / 640