

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 6/5/2017
Date Reported: 6/7/2017

Submitted By: Soil and Water Consulting

Lab Number	0097			0098			
Description	TEE			TEE			
	4			13			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	585			357			
Chloride	64			39			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	241.60			187.91			
Sulfur	56.66			23.42			
Phosphorus	2.26			1.74			
Calcium	50.96	2.54	25.59	35.79	1.79	28.38	
Magnesium	8.03	0.66	6.64	5.24	0.43	6.85	
Potassium	15.13	0.39	3.89	12.09	0.31	4.92	
Sodium	146.03	6.35	63.88	86.62	3.77	59.85	
TOTAL		9.94	100		6.29	100	
Boron	0.14			0.13			
Iron	0.99			1.21			
Manganese	0.09			0.09			
Copper	0.08			0.07			
Zinc	0.04			0.04			
Aluminum	1.53			2.38			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	5.79			3.86			
SAR (calculated)	5.02			3.58			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0099			0100			
Description	FAIRWAY			FAIRWAY			
	4			13			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	739			565			
Chloride	99			72			
Nitrate (NO ₃ -N)	< 0.5			0.8			
Bicarbonate	202.55			153.75			
Sulfur	82.25			62.88			
Phosphorus	3.30			2.31			
Calcium	70.01	3.49	27.97	50.13	2.50	26.68	
Magnesium	12.55	1.03	8.26	7.82	0.64	6.86	
Potassium	52.30	1.34	10.71	30.34	0.78	8.28	
Sodium	152.44	6.63	53.06	125.46	5.45	58.19	
TOTAL		12.49	100		9.37	100	
Boron	0.23			0.19			
Iron	0.84			0.64			
Manganese	0.15			0.08			
Copper	0.12			0.10			
Zinc	0.07			0.04			
Aluminum	1.09			0.98			
Ammonium (NH ₄ -N)	0.6			< 0.5			
ESP (calculated)	4.98			4.90			
SAR (calculated)	4.41			4.35			

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Lab Number	0101			0102			
Description	GREEN			GREEN			
	4			13			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	198			269			
Chloride	21			25			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	102.50			148.86			
Sulfur	12.90			17.97			
Phosphorus	2.14			1.75			
Calcium	20.63	1.03	31.76	32.81	1.64	36.77	
Magnesium	3.12	0.26	7.93	4.99	0.41	9.22	
Potassium	18.17	0.46	14.34	22.56	0.58	12.96	
Sodium	34.26	1.49	45.97	42.04	1.83	41.05	
TOTAL		3.24	100		4.45	100	
Boron	0.09			0.10			
Iron	0.81			0.38			
Manganese	0.06			0.15			
Copper	0.04			0.05			
Zinc	0.02			0.02			
Aluminum	1.11			0.47			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	1.46			1.39			
SAR (calculated)	1.86			1.81			

* Soluble Salts: mmhos/cm = ppm / 640