

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 3/14/2016
Date Reported: 3/16/2016

Submitted By: Soil and Water Consulting

Lab Number	0169			0170			
Description	FAIRWAY			FAIRWAY			
	5			15			
pH	7.7			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	369			290			
Chloride	23			36			
Nitrate (NO3-N)	1.5			< 0.5			
Bicarbonate	168.39			117.14			
Sulfur	35.54			22.29			
Phosphorus	1.19			2.70			
Calcium	32.20	1.61	26.08	24.41	1.22	24.91	
Magnesium	5.33	0.44	7.11	4.22	0.35	7.10	
Potassium	13.33	0.34	5.53	13.94	0.36	7.29	
Sodium	86.83	3.78	61.27	68.26	2.97	60.69	
TOTAL		6.16	100		4.89	100	
Boron	0.21			0.13			
Iron	0.71			1.89			
Manganese	0.01			0.04			
Copper	0.09			0.11			
Zinc	0.03			0.05			
Aluminum	1.32			3.36			
Ammonium (NH4-N)	0.5			0.6			
ESP (calculated)	4.07			3.56			
SAR (calculated)	3.73			3.35			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0171			0172			
Description	GREEN			GREEN			
	5			15			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	209			209			
Chloride	18			19			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	100.06			92.74			
Sulfur	17.93			18.97			
Phosphorus	2.10			2.04			
Calcium	23.25	1.16	35.80	23.82	1.19	36.24	
Magnesium	3.01	0.25	7.63	2.87	0.24	7.19	
Potassium	15.72	0.40	12.41	13.16	0.34	10.26	
Sodium	32.92	1.43	44.16	34.94	1.52	46.31	
TOTAL		3.24	100		3.28	100	
Boron	0.10			0.11			
Iron	0.99			0.72			
Manganese	0.07			0.05			
Copper	0.06			0.04			
Zinc	0.04			0.03			
Aluminum	1.62			1.36			
Ammonium (NH ₄ -N)	0.5			0.6			
ESP (calculated)	1.24			1.38			
SAR (calculated)	1.71			1.80			

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Lab Number	0173			0174			
Description	TEE			TEE			
	5			15			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	331			346			
Chloride	28			26			
Nitrate (NO ₃ -N)	< 0.5			1.5			
Bicarbonate	200.11			195.23			
Sulfur	14.37			18.05			
Phosphorus	0.97			1.35			
Calcium	39.26	1.96	32.64	45.32	2.26	37.65	
Magnesium	5.74	0.47	7.87	6.02	0.50	8.24	
Potassium	7.33	0.19	3.12	7.45	0.19	3.17	
Sodium	77.82	3.38	56.37	70.36	3.06	50.93	
TOTAL		6.00	100		6.01	100	
Boron	0.13			0.13			
Iron	1.80			0.39			
Manganese	0.06			0.02			
Copper	0.11			0.05			
Zinc	0.04			0.02			
Aluminum	3.65			1.00			
Ammonium (NH ₄ -N)	0.6			0.5			
ESP (calculated)	3.16			2.52			
SAR (calculated)	3.07			2.61			

* Soluble Salts: mmhos/cm = ppm / 640