

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 6/28/2016
Date Reported: 6/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0001			0002			
Description	FAIRWAY			FAIRWAY			
	6			15			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1067			716			
Chloride	160			109			
Nitrate (NO3-N)	16.7			4.3			
Bicarbonate	246.48			178.15			
Sulfur	112.35			68.05			
Phosphorus	1.10			3.21			
Calcium	114.12	5.69	33.97	61.16	3.05	27.08	
Magnesium	14.93	1.23	7.32	10.59	0.87	7.72	
Potassium	56.83	1.45	8.67	37.35	0.96	8.47	
Sodium	192.90	8.39	50.03	147.07	6.39	56.73	
TOTAL		16.76	100		11.27	100	
Boron	0.24			0.26			
Iron	0.59			1.58			
Manganese	< 0.01			0.04			
Copper	0.14			0.14			
Zinc	0.02			0.05			
Aluminum	1.46			3.44			
Ammonium (NH4-N)	1.9			1.8			
ESP (calculated)	5.11			5.19			
SAR (calculated)	4.51			4.57			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0003			0004			
Description	GREEN			GREEN			
	6			15			
pH	8.2			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	259			261			
Chloride	25			26			
Nitrate (NO3-N)	< 0.5			2.3			
Bicarbonate	97.62			100.06			
Sulfur	23.89			16.54			
Phosphorus	2.92			3.28			
Calcium	27.40	1.37	34.06	21.69	1.08	29.83	
Magnesium	3.05	0.25	6.24	2.99	0.25	6.77	
Potassium	20.42	0.52	13.01	23.96	0.61	16.89	
Sodium	43.12	1.87	46.69	38.81	1.69	46.51	
TOTAL		4.02	100		3.63	100	
Boron	0.15			0.18			
Iron	0.73			0.65			
Manganese	0.01			< 0.01			
Copper	0.10			0.10			
Zinc	0.01			< 0.01			
Aluminum	1.38			1.29			
Ammonium (NH4-N)	0.6			1.9			
ESP (calculated)	1.78			1.76			
SAR (calculated)	2.08			2.07			

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Lab Number	0005			0006			
Description	TEE			TEE			
	6			15			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	595			1000			
Chloride	88			136			
Nitrate (NO3-N)	4.0			3.1			
Bicarbonate	192.79			256.24			
Sulfur	46.10			126.92			
Phosphorus	1.36			1.72			
Calcium	62.59	3.12	31.42	132.00	6.59	39.47	
Magnesium	8.32	0.68	6.88	14.15	1.16	6.98	
Potassium	10.79	0.28	2.78	26.92	0.69	4.13	
Sodium	134.68	5.86	58.92	189.70	8.25	49.43	
TOTAL		9.94	100		16.69	100	
Boron	0.13			0.19			
Iron	1.79			1.14			
Manganese	0.03			0.08			
Copper	0.14			0.10			
Zinc	0.03			0.04			
Aluminum	4.04			2.56			
Ammonium (NH4-N)	1.1			2.3			
ESP (calculated)	4.76			4.69			
SAR (calculated)	4.24			4.19			

* Soluble Salts: mmhos/cm = ppm / 640