

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 9/19/2017
Date Reported: 9/21/2017

Submitted By: Soil and Water Consulting

Lab Number	0001			0002			
Description	TEE			TEE			
	8			17			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	985			1177			
Chloride	192			72			
Nitrate (NO3-N)	0.6			18.2			
Bicarbonate	363.62			209.87			
Sulfur	42.37			218.70			
Phosphorus	5.97			1.32			
Calcium	96.19	4.80	32.56	256.04	12.78	56.26	
Magnesium	12.14	1.00	6.77	30.54	2.51	11.06	
Potassium	174.97	4.47	30.35	62.67	1.60	7.06	
Sodium	102.81	4.47	30.32	133.80	5.82	25.62	
TOTAL		14.74	100		22.71	100	
Boron	0.14			0.23			
Iron	1.10			0.78			
Manganese	0.17			1.41			
Copper	0.10			0.10			
Zinc	0.04			0.04			
Aluminum	1.83			1.24			
Ammonium (NH4-N)	9.3			5.1			
ESP (calculated)	2.55			1.81			
SAR (calculated)	2.63			2.10			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0003			0004			
Description	FAIRWAY			FAIRWAY			
	8			17			
pH	8.1			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	912			974			
Chloride	82			74			
Nitrate (NO ₃ -N)	34.1			41.5			
Bicarbonate	339.22			327.01			
Sulfur	78.54			87.27			
Phosphorus	2.59			1.83			
Calcium	168.10	8.39	47.62	145.15	7.24	41.75	
Magnesium	22.72	1.87	10.61	18.31	1.51	8.68	
Potassium	53.28	1.36	7.73	60.03	1.54	8.85	
Sodium	137.91	6.00	34.04	162.47	7.06	40.72	
TOTAL		17.62	100		17.35	100	
Boron	0.26			0.25			
Iron	0.90			0.97			
Manganese	0.09			0.10			
Copper	0.13			0.12			
Zinc	0.02			0.02			
Aluminum	1.71			2.01			
Ammonium (NH ₄ -N)	3.6			1.6			
ESP (calculated)	2.58			3.59			
SAR (calculated)	2.65			3.38			

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Lab Number	0005			0006			
Description	GREEN			GREEN			
	8			17			
pH	8.4			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	378			404			
Chloride	26			24			
Nitrate (NO ₃ -N)	6.3			3.2			
Bicarbonate	124.46			124.46			
Sulfur	36.33			51.73			
Phosphorus	2.52			1.81			
Calcium	40.50	2.02	34.56	52.76	2.63	40.82	
Magnesium	5.78	0.48	8.13	7.37	0.61	9.40	
Potassium	33.81	0.86	14.79	34.06	0.87	13.51	
Sodium	57.21	2.49	42.53	53.80	2.34	36.27	
TOTAL		5.85	100		6.45	100	
Boron	0.10			0.11			
Iron	0.14			0.68			
Manganese	0.01			0.02			
Copper	0.06			0.06			
Zinc	< 0.01			< 0.01			
Aluminum	0.27			1.04			
Ammonium (NH ₄ -N)	1.2			< 0.5			
ESP (calculated)	1.98			1.43			
SAR (calculated)	2.23			1.84			

* Soluble Salts: mmhos/cm = ppm / 640