

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 3/22/2017
Date Reported: 3/24/2017

Submitted By: Soil and Water Consulting

Lab Number	0094			0095			
Description	FAIRWAY			FAIRWAY			
	1			10			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	460			453			
Chloride	43			36			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	248.92			273.32			
Sulfur	30.45			28.19			
Phosphorus	1.91			1.37			
Calcium	52.68	2.63	31.54	65.84	3.29	38.96	
Magnesium	8.69	0.71	8.57	8.72	0.72	8.50	
Potassium	30.16	0.77	9.26	28.73	0.73	8.71	
Sodium	97.03	4.22	50.63	85.04	3.70	43.84	
TOTAL		8.33	100		8.43	100	
Boron	0.22			0.16			
Iron	2.57			1.61			
Manganese	0.19			0.25			
Copper	0.09			0.10			
Zinc	0.05			0.04			
Aluminum	5.13			3.48			
Ammonium (NH4-N)	0.5			1.0			
ESP (calculated)	3.43			2.53			
SAR (calculated)	3.26			2.61			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0096			0097			
Description	GREEN			GREEN			
	1			10			
pH	8.2			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	170			173			
Chloride	14			13			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	100.06			104.94			
Sulfur	10.35			11.51			
Phosphorus	2.18			2.43			
Calcium	17.27	0.86	30.10	17.83	0.89	29.66	
Magnesium	2.68	0.22	7.70	2.77	0.23	7.60	
Potassium	12.79	0.33	11.43	14.43	0.37	12.30	
Sodium	33.42	1.45	50.77	34.81	1.51	50.44	
TOTAL		2.86	100		3.00	100	
Boron	0.08			0.07			
Iron	1.71			2.32			
Manganese	0.07			0.09			
Copper	0.05			0.05			
Zinc	0.03			0.03			
Aluminum	2.52			3.45			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	1.63			1.70			
SAR (calculated)	1.98			2.02			

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Lab Number	0098			0099			
Description	TEE			TEE			
	1			10			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	276			413			
Chloride	22			39			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	187.91			273.32			
Sulfur	10.97			14.21			
Phosphorus	0.95			1.35			
Calcium	46.08	2.30	45.23	64.67	3.23	43.31	
Magnesium	5.64	0.46	9.13	7.30	0.60	8.05	
Potassium	10.70	0.27	5.38	17.84	0.46	6.12	
Sodium	47.07	2.05	40.26	72.87	3.17	42.52	
TOTAL		5.08	100		7.45	100	
Boron	0.08			0.12			
Iron	0.33			0.10			
Manganese	0.13			0.26			
Copper	0.04			0.06			
Zinc	0.02			0.04			
Aluminum	0.82			0.29			
Ammonium (NH ₄ -N)	< 0.5			1.2			
ESP (calculated)	1.29			2.07			
SAR (calculated)	1.74			2.29			

* Soluble Salts: mmhos/cm = ppm / 640