

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 9/12/2016
Date Reported: 9/14/2016

Submitted By: Soil and Water Consulting

Lab Number	0078			0079			
Description	FAIRWAY			FAIRWAY			
	7			16			
pH	7.9			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1286			686			
Chloride	86			83			
Nitrate (NO3-N)	119.0			32.6			
Bicarbonate	207.43			158.63			
Sulfur	66.05			47.50			
Phosphorus	1.68			2.81			
Calcium	111.56	5.57	34.95	63.44	3.17	30.85	
Magnesium	15.87	1.30	8.19	10.26	0.84	8.22	
Potassium	61.02	1.56	9.80	41.03	1.05	10.23	
Sodium	172.41	7.50	47.06	119.66	5.20	50.70	
TOTAL		15.93	100		10.26	100	
Boron	0.12			0.22			
Iron	0.17			0.57			
Manganese	0.01			0.04			
Copper	0.12			0.09			
Zinc	0.03			0.03			
Aluminum	0.95			1.76			
Ammonium (NH4-N)	52.0			3.3			
ESP (calculated)	4.49			3.99			
SAR (calculated)	4.04			3.67			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0080			0081			
Description	GREEN			GREEN			
	7			16			
pH	8.2			8.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	428			477			
Chloride	27			25			
Nitrate (NO3-N)	25.7			11.2			
Bicarbonate	168.39			280.65			
Sulfur	15.55			11.06			
Phosphorus	4.47			7.21			
Calcium	20.38	1.02	24.92	13.97	0.70	13.23	
Magnesium	2.72	0.22	5.47	2.64	0.22	4.12	
Potassium	36.03	0.92	22.58	110.22	2.82	53.51	
Sodium	44.16	1.92	47.03	35.31	1.54	29.14	
TOTAL		4.08	100		5.27	100	
Boron	0.03			0.02			
Iron	0.43			1.38			
Manganese	0.03			0.06			
Copper	0.10			0.29			
Zinc	0.02			0.04			
Aluminum	0.94			1.88			
Ammonium (NH4-N)	37.0			81.3			
ESP (calculated)	2.28			2.05			
SAR (calculated)	2.44			2.27			

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Lab Number	0082			0083			
Description	TEE			TEE			
	7			16			
pH	8.6			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	585			683			
Chloride	101			65			
Nitrate (NO ₃ -N)	13.0			56.7			
Bicarbonate	163.51			180.59			
Sulfur	44.76			29.06			
Phosphorus	1.07			1.24			
Calcium	53.80	2.68	24.44	62.26	3.11	33.50	
Magnesium	7.03	0.58	5.26	7.07	0.58	6.27	
Potassium	85.97	2.20	20.02	54.81	1.40	15.12	
Sodium	127.00	5.52	50.27	96.24	4.18	45.12	
TOTAL		10.98	100		9.27	100	
Boron	0.13			0.09			
Iron	0.49			0.30			
Manganese	0.02			< 0.01			
Copper	0.10			0.09			
Zinc	0.02			0.02			
Aluminum	1.45			1.13			
Ammonium (NH ₄ -N)	2.3			31.5			
ESP (calculated)	4.87			3.18			
SAR (calculated)	4.32			3.08			

* Soluble Salts: mmhos/cm = ppm / 640