

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 9/27/2021
Date Reported: 9/29/2021

Submitted By: Soil and Water Consulting

Lab Number	0050
Description	TEE
	2

pH	8.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	324					
Chloride	30					
Nitrate (NO ₃ -N)	1.2					
Bicarbonate	169.18					

Sulfur	19.03					
Phosphorus	0.89					
Calcium	40.24	2.01	34.16			
Magnesium	6.35	0.52	8.88			
Potassium	12.46	0.32	5.42			
Sodium	69.66	3.03	51.53			
TOTAL		5.88	100			

Boron	0.08					
Iron	1.69					
Manganese	0.06					
Copper	0.05					
Zinc	0.03					
Aluminum	3.16					
Ammonium (NH ₄ -N)	1.6					

ESP (calculated)	2.64					
SAR (calculated)	2.69					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0051
Description	FAIRWAY
	2

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	443					
Chloride	26					
Nitrate (NO ₃ -N)	15.6					
Bicarbonate	232.43					
Sulfur	22.97					
Phosphorus	1.54					
Calcium	58.63	2.93	35.41			
Magnesium	8.59	0.71	8.55			
Potassium	35.65	0.91	11.04			
Sodium	85.50	3.72	45.00			
TOTAL		8.26	100			
Boron	0.24					
Iron	0.68					
Manganese	0.08					
Copper	0.07					
Zinc	0.04					
Aluminum	1.12					
Ammonium (NH ₄ -N)	2.1					
ESP (calculated)	2.73					
SAR (calculated)	2.76					

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0052			0053			
Description	GREEN			GREEN			
	2			11			
pH	8.4			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	497			630			
Chloride	35			45			
Nitrate (NO3-N)	< 0.5			2.7			
Bicarbonate	127.79			164.91			
Sulfur	88.89			101.79			
Phosphorus	1.14			2.08			
Calcium	82.26	4.10	43.89	63.07	3.15	30.44	
Magnesium	12.87	1.06	11.31	12.09	0.99	9.62	
Potassium	31.60	0.81	8.64	47.81	1.22	11.83	
Sodium	77.77	3.38	36.16	114.37	4.97	48.11	
TOTAL		9.35	100		10.34	100	
Boron	0.09			0.12			
Iron	0.29			0.39			
Manganese	0.44			0.13			
Copper	0.02			0.05			
Zinc	0.04			0.03			
Aluminum	0.40			0.55			
Ammonium (NH4-N)	2.4			18.6			
ESP (calculated)	1.81			3.70			
SAR (calculated)	2.10			3.46			

* Soluble Salts: mmhos/cm = ppm / 640