

BROOKSIDE LABORATORIES, INC.
SATURATED SOIL ANALYSIS

Quail Creek Golf Club
1490 N Quail Range Loop, #2
Green Valley, AZ 85614

File Number: 89490
Date Received: 3/18/2024
Date Reported: 3/19/2024

Submitted By: Soil and Water Consulting

Lab Number	0066			0067			
Description	COYOTE			COYOTE			
	TEE			FAIRWAY			
	5			5			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	212			372			
Chloride	13			46			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	94.29			97.44			
Sulfur	17.41			35.36			
Phosphorus	0.78			1.11			
Calcium	24.85	1.24	25.27	23.52	1.17	16.80	
Magnesium	9.35	0.77	15.67	9.46	0.78	11.14	
Potassium	20.50	0.52	10.68	52.63	1.35	19.27	
Sodium	54.61	2.37	48.38	84.82	3.69	52.79	
TOTAL		4.91	100		6.99	100	
Boron	0.18			0.30			
Iron	24.70			24.67			
Manganese	0.60			0.32			
Copper	0.09			0.13			
Zinc	0.12			0.15			
Aluminum	49.02			47.70			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	2.19			4.07			
SAR (calculated)	2.37			3.73			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0068
Description	COYOTE GREEN 5

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	166					
Chloride	10					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	81.32					

Sulfur	10.92					
Phosphorus	1.08					
Calcium	14.07	0.70	19.24			
Magnesium	6.15	0.51	13.87			
Potassium	10.83	0.28	7.59			
Sodium	49.76	2.16	59.30			
TOTAL		3.65	100			

Boron	0.12					
Iron	14.14					
Manganese	0.45					
Copper	0.03					
Zinc	0.06					
Aluminum	22.78					
Ammonium (NH ₄ -N)	< 0.5					

ESP (calculated)	2.77					
SAR (calculated)	2.78					

* Soluble Salts: mmhos/cm = ppm / 640