

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: 3/27/2023
Date Reported: 3/30/2023

Submitted By: Soil and Water Consulting

Lab Number	0001			0002			
Description	COYOTE			COYOTE			
	TEE			FAIRWAY			
	1			1			
pH	7.8			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	538			971			
Chloride	23			36			
Nitrate (NO3-N)	48.7			1.4			
Bicarbonate	256.43			218.05			
Sulfur	48.88			193.23			
Phosphorus	0.50			0.28			
Calcium	46.80	2.34	22.81	149.32	7.45	40.07	
Magnesium	7.58	0.62	6.09	8.64	0.71	3.82	
Potassium	9.96	0.25	2.49	25.71	0.66	3.54	
Sodium	161.56	7.02	68.62	224.90	9.78	52.58	
TOTAL		10.24	100		18.60	100	
Boron	0.22			0.26			
Iron	3.84			0.77			
Manganese	0.42			0.13			
Copper	0.08			0.06			
Zinc	0.06			0.08			
Aluminum	6.43			1.23			
Ammonium (NH4-N)	1.7			13.8			
ESP (calculated)	6.77			5.55			
SAR (calculated)	5.78			4.84			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0003
Description	COYOTE GREEN 1

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	207					
Chloride	6					
Nitrate (NO3-N)	1.6					
Bicarbonate	84.55					

Sulfur	15.01					
Phosphorus	0.82					
Calcium	8.31	0.41	12.76			
Magnesium	1.85	0.15	4.67			
Potassium	3.86	0.10	3.04			
Sodium	59.46	2.59	79.53			
TOTAL		3.25	100			

Boron	0.13					
Iron	2.87					
Manganese	0.10					
Copper	0.04					
Zinc	0.02					
Aluminum	3.57					
Ammonium (NH4-N)	< 0.5					

ESP (calculated)	5.57
SAR (calculated)	4.86

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0004
Description	ROADRUNNER
	GREEN
	2

pH	7.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	285					
Chloride	8					
Nitrate (NO3-N)	4.8					
Bicarbonate	59.89					
Sulfur	38.78					
Phosphorus	0.45					
Calcium	15.09	0.75	15.86			
Magnesium	1.55	0.13	2.68			
Potassium	2.02	0.05	1.09			
Sodium	87.76	3.82	80.37			
TOTAL		4.75	100			
Boron	0.20					
Iron	1.36					
Manganese	0.06					
Copper	0.05					
Zinc	0.02					
Aluminum	1.19					
Ammonium (NH4-N)	< 0.5					
ESP (calculated)	6.74					
SAR (calculated)	5.75					

* Soluble Salts: mmhos/cm = ppm / 640