

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Canyon Gate Country Club
2001 Canyon Gate Drive
Las Vegas, NV 89117

File Number: 46715
Date Received: 3/9/2020
Date Reported: 3/11/2020

Submitted By: Soil and Water Consulting

Lab Number	0031
Description	TEE
	1

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	739					
Chloride	86					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	272.19					

Sulfur	105.50					
Phosphorus	3.66					
Calcium	130.61	6.52	40.30			
Magnesium	48.54	3.99	24.68			
Potassium	30.44	0.78	4.81			
Sodium	112.34	4.88	30.20			
TOTAL		16.17	100			

Boron	0.16
Iron	1.74
Manganese	0.35
Copper	0.06
Zinc	0.12
Aluminum	2.42
Ammonium (NH ₄ -N)	3.0

ESP (calculated)	1.85
SAR (calculated)	2.13

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0032
Description	FAIRWAY
	1

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	780					
Chloride	109					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	258.09					

Sulfur	102.10					
Phosphorus	2.89					
Calcium	122.96	6.14	37.63			
Magnesium	48.56	3.99	24.49			
Potassium	39.42	1.01	6.18			
Sodium	118.88	5.17	31.70			
TOTAL		16.31	100			

Boron	0.38
Iron	1.50
Manganese	0.21
Copper	0.04
Zinc	0.09
Aluminum	2.73
Ammonium (NH4-N)	1.4

ESP (calculated)	2.08
SAR (calculated)	2.30

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0033			0034			
Description	GREEN			GREEN			
	1			10			
pH	8.1			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	317			363			
Chloride	25			22			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	136.03			126.40			
Sulfur	28.92			49.28			
Phosphorus	2.32			2.19			
Calcium	48.88	2.44	40.67	58.10	2.90	42.85	
Magnesium	13.34	1.10	18.29	15.10	1.24	18.35	
Potassium	13.64	0.35	5.82	18.90	0.48	7.15	
Sodium	48.60	2.11	35.23	49.25	2.14	31.65	
TOTAL		6.00	100		6.77	100	
Boron	0.10			0.13			
Iron	2.95			1.07			
Manganese	0.24			0.13			
Copper	0.02			0.02			
Zinc	0.04			0.02			
Aluminum	4.32			1.50			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	1.07			0.93			
SAR (calculated)	1.59			1.49			

* Soluble Salts: mmhos/cm = ppm / 640