

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 3/14/2019
Date Reported: 3/15/2019

Submitted By: Soil and Water Consulting

Lab Number	0008
Description	TEE
	5

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	535					
Chloride	83					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	183.03					
Sulfur	22.47					
Phosphorus	4.72					
Calcium	39.58	1.97	22.15			
Magnesium	15.05	1.24	13.88			
Potassium	18.37	0.47	5.27			
Sodium	120.41	5.24	58.71			
TOTAL		8.92	100			
Boron	0.17					
Iron	0.92					
Manganese	0.10					
Copper	0.04					
Zinc	0.10					
Aluminum	1.17					
Ammonium (NH ₄ -N)	0.8					
ESP (calculated)	4.61					
SAR (calculated)	4.13					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0009
Description	FAIRWAY
	5

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	646					
Chloride	85					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	261.12					
Sulfur	32.33					
Phosphorus	5.72					
Calcium	56.04	2.80	24.96			
Magnesium	22.36	1.84	16.42			
Potassium	22.85	0.58	5.22			
Sodium	137.61	5.98	53.41			
TOTAL		11.20	100			
Boron	0.26					
Iron	0.99					
Manganese	0.09					
Copper	0.05					
Zinc	0.06					
Aluminum	1.47					
Ammonium (NH ₄ -N)	2.6					
ESP (calculated)	4.34					
SAR (calculated)	3.93					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0010			0011			
Description	GREEN			GREEN			
	5			14			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	275			293			
Chloride	34			33			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	100.06			95.18			
Sulfur	28.56			34.16			
Phosphorus	4.01			2.98			
Calcium	23.59	1.18	24.05	20.66	1.03	20.42	
Magnesium	7.48	0.62	12.57	6.66	0.55	10.85	
Potassium	32.98	0.84	17.23	35.80	0.92	18.14	
Sodium	51.94	2.26	46.14	58.75	2.55	50.60	
TOTAL		4.89	100		5.05	100	
Boron	0.15			0.14			
Iron	0.96			1.13			
Manganese	0.09			0.07			
Copper	0.04			0.02			
Zinc	0.02			0.01			
Aluminum	1.34			1.58			
Ammonium (NH4-N)	< 0.5			0.5			
ESP (calculated)	2.21			2.90			
SAR (calculated)	2.39			2.88			

* Soluble Salts: mmhos/cm = ppm / 640