

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 9/15/2022
Date Reported: 9/19/2022

Submitted By: Soil and Water Consulting

Lab Number	0045
Description	TEE
	7

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	351					
Chloride	27					
Nitrate (NO3-N)	3.1					
Bicarbonate	161.14					

Sulfur	32.69					
Phosphorus	2.17					
Calcium	59.24	2.96	44.85			
Magnesium	26.74	2.20	33.36			
Potassium	11.33	0.29	4.40			
Sodium	26.36	1.15	17.39			
TOTAL		6.59	100			

Boron	0.08
Iron	0.74
Manganese	0.04
Copper	0.08
Zinc	0.06
Aluminum	1.19
Ammonium (NH4-N)	1.4

ESP (calculated)	< .01
SAR (calculated)	0.71

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0046
Description	FAIRWAY
	7

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	371					
Chloride	28					
Nitrate (NO3-N)	7.4					
Bicarbonate	148.58					
Sulfur	30.12					
Phosphorus	3.10					
Calcium	58.78	2.93	45.43			
Magnesium	24.62	2.02	31.36			
Potassium	20.72	0.53	8.21			
Sodium	22.28	0.97	15.01			
TOTAL		6.46	100			
Boron	0.10					
Iron	0.57					
Manganese	0.03					
Copper	0.10					
Zinc	0.04					
Aluminum	0.83					
Ammonium (NH4-N)	1.5					
ESP (calculated)	< .01					
SAR (calculated)	0.62					

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0047			0048			
Description	GREEN			GREEN			
	7			16			
pH	8.1			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	300			328			
Chloride	29			36			
Nitrate (NO3-N)	< 0.5			0.7			
Bicarbonate	108.35			110.15			
Sulfur	29.64			28.29			
Phosphorus	4.23			3.90			
Calcium	37.78	1.88	38.88	37.64	1.88	36.47	
Magnesium	18.23	1.50	30.92	18.39	1.51	29.35	
Potassium	27.97	0.72	14.76	32.79	0.84	16.28	
Sodium	17.23	0.75	15.45	21.20	0.92	17.90	
TOTAL		4.85	100		5.15	100	
Boron	0.11			0.13			
Iron	1.08			1.91			
Manganese	0.09			0.14			
Copper	0.12			0.13			
Zinc	0.03			0.03			
Aluminum	1.29			2.61			
Ammonium (NH4-N)	2.8			2.9			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.58			0.71			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0049
Description	GREEN PG

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	333					
Chloride	37					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	111.80					

Sulfur	26.44					
Phosphorus	3.44					
Calcium	41.51	2.07	37.80			
Magnesium	20.31	1.67	30.47			
Potassium	33.57	0.86	15.67			
Sodium	20.23	0.88	16.05			
TOTAL		5.48	100			

Boron	0.14
Iron	2.47
Manganese	0.17
Copper	0.12
Zinc	0.05
Aluminum	3.23
Ammonium (NH4-N)	3.4

ESP (calculated)	< .01
SAR (calculated)	0.64

* Soluble Salts: mmhos/cm = ppm / 640