

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 4/15/2024
Date Reported: 4/16/2024

Submitted By: Soil and Water Consulting

Lab Number	0046
Description	TEE
	18

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	730					
Chloride	108					
Nitrate (NO3-N)	3.3					
Bicarbonate	185.32					

Sulfur	99.35					
Phosphorus	4.67					
Calcium	107.56	5.37	40.93			
Magnesium	48.31	3.97	30.30			
Potassium	19.31	0.49	3.77			
Sodium	75.40	3.28	25.00			
TOTAL		13.11	100			

Boron	0.11
Iron	0.29
Manganese	0.08
Copper	0.08
Zinc	0.06
Aluminum	0.60
Ammonium (NH4-N)	1.9

ESP (calculated)	0.97
SAR (calculated)	1.52

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0047
Description	FAIRWAY
	18

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	585					
Chloride	68					
Nitrate (NO3-N)	3.6					
Bicarbonate	194.54					
Sulfur	72.24					
Phosphorus	3.03					
Calcium	78.50	3.92	37.65			
Magnesium	34.40	2.83	27.19			
Potassium	27.03	0.69	6.64			
Sodium	68.25	2.97	28.52			
TOTAL		10.41	100			
Boron	0.20					
Iron	0.81					
Manganese	0.11					
Copper	0.07					
Zinc	0.07					
Aluminum	1.52					
Ammonium (NH4-N)	2.3					
ESP (calculated)	1.11					
SAR (calculated)	1.62					

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0048			0049			
Description	GREEN			GREEN			
	9			18			
pH	8.1			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	583			461			
Chloride	45			43			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	85.69			70.55			
Sulfur	121.27			87.17			
Phosphorus	1.76			1.46			
Calcium	87.02	4.34	41.98	56.24	2.81	36.87	
Magnesium	26.18	2.15	20.81	19.96	1.64	21.57	
Potassium	34.99	0.89	8.65	25.55	0.65	8.59	
Sodium	67.96	2.95	28.56	57.73	2.51	32.98	
TOTAL		10.34	100		7.61	100	
Boron	0.13			0.11			
Iron	0.53			0.96			
Manganese	0.06			0.15			
Copper	0.06			0.04			
Zinc	0.03			0.03			
Aluminum	0.94			1.58			
Ammonium (NH4-N)	0.8			1.0			
ESP (calculated)	1.15			1.21			
SAR (calculated)	1.64			1.68			

* Soluble Salts: mmhos/cm = ppm / 640