

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 9/26/2017
Date Reported: 9/28/2017

Submitted By: Soil and Water Consulting

Lab Number	0110			0111			
Description	GREENS			GREENS			
	1			5			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	486			440			
Chloride	52			34			
Nitrate (NO3-N)	11.6			19.8			
Bicarbonate	200.11			92.74			
Sulfur	29.23			42.98			
Phosphorus	7.62			3.56			
Calcium	52.75	2.63	33.77	50.02	2.50	36.03	
Magnesium	19.11	1.57	20.16	15.14	1.25	17.97	
Potassium	33.61	0.86	11.03	34.81	0.89	12.85	
Sodium	62.80	2.73	35.03	52.82	2.30	33.15	
TOTAL		7.79	100		6.93	100	
Boron	0.14			0.09			
Iron	0.81			0.78			
Manganese	0.36			0.04			
Copper	0.10			0.03			
Zinc	0.02			0.01			
Aluminum	1.30			1.21			
Ammonium (NH4-N)	3.8			1.4			
ESP (calculated)	1.50			1.20			
SAR (calculated)	1.88			1.68			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0112			0113			
Description	GREENS			GREENS			
	7			13			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	543			577			
Chloride	43			49			
Nitrate (NO3-N)	28.4			17.1			
Bicarbonate	129.34			161.07			
Sulfur	48.29			59.53			
Phosphorus	5.07			6.15			
Calcium	67.49	3.37	38.61	60.91	3.04	35.73	
Magnesium	20.79	1.71	19.60	21.11	1.74	20.41	
Potassium	40.40	1.03	11.85	37.85	0.97	11.38	
Sodium	60.08	2.61	29.94	63.53	2.76	32.48	
TOTAL		8.72	100		8.51	100	
Boron	0.11			0.11			
Iron	0.92			0.42			
Manganese	0.13			0.08			
Copper	0.06			0.10			
Zinc	0.02			0.01			
Aluminum	1.48			0.73			
Ammonium (NH4-N)	4.7			11.1			
ESP (calculated)	1.14			1.36			
SAR (calculated)	1.64			1.79			

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Lab Number	0114			0115			
Description	GREENS			GREENS			
	15			PG			
pH	8.2			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	496			591			
Chloride	51			50			
Nitrate (NO3-N)	7.2			19.7			
Bicarbonate	183.03			143.98			
Sulfur	39.20			62.16			
Phosphorus	4.97			7.14			
Calcium	37.31	1.86	28.79	71.88	3.59	37.17	
Magnesium	14.62	1.20	18.59	23.73	1.95	20.22	
Potassium	35.19	0.90	13.92	45.35	1.16	12.02	
Sodium	57.53	2.50	38.69	67.89	2.95	30.59	
TOTAL		6.46	100		9.65	100	
Boron	0.08			0.13			
Iron	0.45			0.52			
Manganese	0.05			0.18			
Copper	0.14			0.11			
Zinc	0.02			0.02			
Aluminum	0.76			0.82			
Ammonium (NH4-N)	20.1			9.2			
ESP (calculated)	1.69			1.34			
SAR (calculated)	2.02			1.77			

* Soluble Salts: mmhos/cm = ppm / 640