

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 9/29/2016
Date Reported: 9/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0024			0025			
Description	GREEN			GREEN			
	1			6			
pH	8.2			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	356			363			
Chloride	48			50			
Nitrate (NO3-N)	0.6			1.0			
Bicarbonate	129.34			114.70			
Sulfur	27.94			28.53			
Phosphorus	3.59			4.24			
Calcium	33.21	1.66	32.17	36.82	1.84	34.93	
Magnesium	9.76	0.80	15.59	11.05	0.91	17.27	
Potassium	24.71	0.63	12.27	17.77	0.45	8.64	
Sodium	47.36	2.06	39.98	47.38	2.06	39.16	
TOTAL		5.15	100		5.26	100	
Boron	0.08			0.09			
Iron	0.24			0.23			
Manganese	< 0.01			< 0.01			
Copper	0.04			0.04			
Zinc	0.01			0.01			
Aluminum	0.38			0.32			
Ammonium (NH4-N)	< 0.5			0.5			
ESP (calculated)	1.46			1.32			
SAR (calculated)	1.86			1.76			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0026			0027			
Description	GREEN			GREEN			
	7			9			
pH	8.1			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	367			346			
Chloride	54			47			
Nitrate (NO3-N)	0.9			0.6			
Bicarbonate	129.34			124.46			
Sulfur	27.39			24.94			
Phosphorus	3.41			3.93			
Calcium	37.25	1.86	35.41	28.25	1.41	29.24	
Magnesium	11.17	0.92	17.49	9.01	0.74	15.38	
Potassium	16.84	0.43	8.21	25.25	0.65	13.40	
Sodium	46.94	2.04	38.89	46.55	2.02	41.98	
TOTAL		5.25	100		4.82	100	
Boron	0.08			0.07			
Iron	0.20			0.23			
Manganese	< 0.01			< 0.01			
Copper	0.04			0.04			
Zinc	0.01			0.01			
Aluminum	0.23			0.33			
Ammonium (NH4-N)	0.5			< 0.5			
ESP (calculated)	1.28			1.59			
SAR (calculated)	1.73			1.95			

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Lab Number	0028			0029			
Description	GREEN			GREEN			
	10			16			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	339			454			
Chloride	49			62			
Nitrate (NO3-N)	1.2			1.3			
Bicarbonate	117.14			131.78			
Sulfur	23.66			42.75			
Phosphorus	3.72			3.78			
Calcium	30.37	1.52	31.71	50.96	2.54	38.09	
Magnesium	9.50	0.78	16.35	14.99	1.23	18.46	
Potassium	18.88	0.48	10.11	21.66	0.55	8.30	
Sodium	45.97	2.00	41.83	53.98	2.35	35.15	
TOTAL		4.78	100		6.68	100	
Boron	0.08			0.09			
Iron	0.18			0.16			
Manganese	< 0.01			< 0.01			
Copper	0.05			0.04			
Zinc	0.01			0.02			
Aluminum	0.26			0.26			
Ammonium (NH4-N)	0.7			0.6			
ESP (calculated)	1.47			1.24			
SAR (calculated)	1.87			1.71			

* Soluble Salts: mmhos/cm = ppm / 640