

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Las Vegas Country Club
Joe W. Brown Street
Las Vegas, NV 89109

File Number: 51324
Date Received: 6/13/2016
Date Reported: 6/15/2016

Submitted By: Soil and Water Consulting

Lab Number	0018			0019			
Description	FAIRWAY			FAIRWAY			
	6			15			
pH	7.6			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2957			2310			
Chloride	165			114			
Nitrate (NO3-N)	65.2			62.7			
Bicarbonate	236.72			197.67			
Sulfur	710.48			619.70			
Phosphorus	0.63			1.65			
Calcium	480.72	23.99	45.06	533.32	26.61	54.85	
Magnesium	249.80	20.54	38.59	202.21	16.63	34.28	
Potassium	128.11	3.28	6.15	85.27	2.18	4.50	
Sodium	124.86	5.43	10.20	71.12	3.09	6.37	
TOTAL		53.24	100		48.51	100	
Boron	0.18			0.21			
Iron	0.06			0.02			
Manganese	0.07			0.13			
Copper	0.07			0.05			
Zinc	0.02			0.02			
Aluminum	0.13			0.12			
Ammonium (NH4-N)	114.4			18.4			
ESP (calculated)	0.44			< .01			
SAR (calculated)	1.15			0.67			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0020			0021			
Description	GREEN			GREEN			
	6			15			
pH	7.8			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	375			497			
Chloride	14			19			
Nitrate (NO3-N)	16.9			4.8			
Bicarbonate	104.94			168.39			
Sulfur	50.79			60.56			
Phosphorus	4.13			4.68			
Calcium	55.37	2.76	45.03	51.38	2.56	39.70	
Magnesium	25.55	2.10	34.24	25.52	2.10	32.49	
Potassium	29.52	0.76	12.30	45.03	1.15	17.83	
Sodium	11.89	0.52	8.43	14.82	0.64	9.98	
TOTAL		6.14	100		6.46	100	
Boron	0.15			0.17			
Iron	0.17			0.19			
Manganese	0.03			0.04			
Copper	0.03			0.07			
Zinc	0.01			0.01			
Aluminum	0.36			0.27			
Ammonium (NH4-N)	1.6			19.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.33			0.42			

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Lab Number	0022
Description	GREEN P.G.

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	627					
Chloride	18					
Nitrate (NO ₃ -N)	11.7					
Bicarbonate	143.98					

Sulfur	92.53					
Phosphorus	3.90					
Calcium	50.84	2.54	35.43			
Magnesium	24.10	1.98	27.67			
Potassium	65.12	1.67	23.26			
Sodium	22.47	0.98	13.64			
TOTAL		7.16	100			

Boron	0.17
Iron	0.35
Manganese	0.02
Copper	0.02
Zinc	< 0.01
Aluminum	0.51
Ammonium (NH ₄ -N)	36.8

ESP (calculated)	< .01
SAR (calculated)	0.65

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Lab Number	0023			0024		
Description	TEE			TEE		
	6			15		
pH	7.9			7.9		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	863			3040		
Chloride	68			141		
Nitrate (NO3-N)	26.8			26.2		
Bicarbonate	200.11			375.82		
Sulfur	126.03			734.28		
Phosphorus	1.74			1.22		
Calcium	130.21	6.50	43.03	453.03	22.61	43.83
Magnesium	66.75	5.49	36.36	237.47	19.53	37.87
Potassium	27.71	0.71	4.69	125.45	3.21	6.22
Sodium	55.30	2.40	15.92	143.27	6.23	12.08
TOTAL		15.10	100		51.57	100
Boron	0.14			0.16		
Iron	0.16			0.14		
Manganese	0.05			0.23		
Copper	0.07			0.06		
Zinc	0.03			0.04		
Aluminum	0.31			0.20		
Ammonium (NH4-N)	7.7			150.1		
ESP (calculated)	0.19			0.74		
SAR (calculated)	0.98			1.36		

* Soluble Salts: mmhos/cm = ppm / 640