

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 51324
Date Received: 3/28/2016
Date Reported: 3/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0135			0136			
Description	FAIRWAY			FAIRWAY			
	5			14			
pH	7.5			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2144			2086			
Chloride	98			58			
Nitrate (NO3-N)	59.4			9.2			
Bicarbonate	248.92			185.47			
Sulfur	528.20			593.59			
Phosphorus	1.76			0.47			
Calcium	480.02	23.95	51.75	581.21	29.00	61.62	
Magnesium	197.58	16.25	35.10	167.70	13.79	29.30	
Potassium	101.10	2.59	5.59	69.07	1.77	3.75	
Sodium	80.48	3.50	7.56	57.71	2.51	5.33	
TOTAL		46.29	100		47.07	100	
Boron	0.18			0.21			
Iron	< 0.01			< 0.01			
Manganese	0.06			0.01			
Copper	0.05			0.02			
Zinc	0.02			< 0.01			
Aluminum	0.12			0.04			
Ammonium (NH4-N)	22.0			15.3			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.78			0.54			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0137			0138			
Description	GREEN			GREEN			
	5			14			
pH	7.9			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	588			538			
Chloride	20			21			
Nitrate (NO3-N)	10.0			2.9			
Bicarbonate	146.42			165.95			
Sulfur	92.08			64.85			
Phosphorus	4.92			4.46			
Calcium	62.77	3.13	41.07	65.36	3.26	40.45	
Magnesium	27.06	2.22	29.18	28.78	2.37	29.35	
Potassium	43.95	1.12	14.74	44.81	1.15	14.22	
Sodium	26.33	1.14	15.01	29.64	1.29	15.98	
TOTAL		7.63	100		8.06	100	
Boron	0.11			0.18			
Iron	0.15			< 0.01			
Manganese	0.08			< 0.01			
Copper	0.05			0.08			
Zinc	0.03			< 0.01			
Aluminum	0.40			0.30			
Ammonium (NH4-N)	32.3			21.4			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.70			0.77			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0139
Description	GREEN P.G.

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	451					
Chloride	17					
Nitrate (NO ₃ -N)	13.4					
Bicarbonate	87.85					
Sulfur	58.27					
Phosphorus	4.79					
Calcium	43.53	2.17	35.83			
Magnesium	19.37	1.59	26.28			
Potassium	44.45	1.14	18.76			
Sodium	26.67	1.16	19.13			
TOTAL		6.06	100			

Boron	0.12
Iron	1.13
Manganese	< 0.01
Copper	0.02
Zinc	< 0.01
Aluminum	1.62
Ammonium (NH ₄ -N)	16.7

ESP (calculated)	< .01
SAR (calculated)	0.85

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Lab Number	0140			0141			
Description	TEE			TEE			
	5			14			
pH	7.8			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1574			1153			
Chloride	58			53			
Nitrate (NO3-N)	3.3			26.4			
Bicarbonate	180.59			239.16			
Sulfur	370.04			159.15			
Phosphorus	1.84			1.36			
Calcium	389.40	19.43	56.86	92.76	4.63	35.84	
Magnesium	138.96	11.43	33.44	49.57	4.08	31.57	
Potassium	37.51	0.96	2.81	56.00	1.43	11.09	
Sodium	54.11	2.35	6.89	63.88	2.78	21.50	
TOTAL		34.17	100		12.92	100	
Boron	0.09			0.08			
Iron	< 0.01			< 0.01			
Manganese	0.07			< 0.01			
Copper	0.02			0.08			
Zinc	< 0.01			< 0.01			
Aluminum	0.14			< 0.01			
Ammonium (NH4-N)	7.7			116.3			
ESP (calculated)	< .01			0.70			
SAR (calculated)	0.60			1.33			

* Soluble Salts: mmhos/cm = ppm / 640