

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 46715
Date Received: 3/28/2016
Date Reported: 3/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0113			0114			
Description	GREEN			GREEN			
	5			12			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	819			582			
Chloride	147			94			
Nitrate (NO3-N)	8.7			7.3			
Bicarbonate	109.82			97.62			
Sulfur	81.76			66.42			
Phosphorus	4.18			7.69			
Calcium	79.42	3.96	27.07	50.62	2.53	26.15	
Magnesium	27.53	2.26	15.46	17.05	1.40	14.52	
Potassium	63.01	1.61	11.01	33.87	0.87	8.97	
Sodium	156.44	6.80	46.46	111.89	4.86	50.36	
TOTAL		14.64	100		9.66	100	
Boron	0.29			0.28			
Iron	0.01			0.03			
Manganese	< 0.01			< 0.01			
Copper	0.03			0.02			
Zinc	< 0.01			< 0.01			
Aluminum	0.22			0.29			
Ammonium (NH4-N)	1.5			< 0.5			
ESP (calculated)	4.24			3.72			
SAR (calculated)	3.85			3.47			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0115			0116			
Description	GREEN			GREEN			
	13			14			
pH	8.1			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	645			707			
Chloride	102			113			
Nitrate (NO3-N)	7.6			9.6			
Bicarbonate	97.62			104.94			
Sulfur	75.35			83.47			
Phosphorus	8.75			8.23			
Calcium	53.47	2.67	24.89	53.47	2.67	24.36	
Magnesium	19.54	1.61	14.99	19.24	1.58	14.44	
Potassium	48.14	1.23	11.49	47.29	1.21	11.04	
Sodium	119.88	5.21	48.63	126.40	5.50	50.16	
TOTAL		10.72	100		10.96	100	
Boron	0.29			0.35			
Iron	< 0.01			< 0.01			
Manganese	< 0.01			< 0.01			
Copper	0.04			0.04			
Zinc	< 0.01			< 0.01			
Aluminum	< 0.01			< 0.01			
Ammonium (NH4-N)	0.6			< 0.5			
ESP (calculated)	3.84			4.12			
SAR (calculated)	3.57			3.77			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0117			0118			
Description	GREEN			GREEN			
	15			17			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	611			721			
Chloride	105			130			
Nitrate (NO ₃ -N)	6.0			5.6			
Bicarbonate	82.97			95.18			
Sulfur	75.53			81.21			
Phosphorus	6.71			6.55			
Calcium	51.12	2.55	25.56	55.94	2.79	23.67	
Magnesium	17.68	1.45	14.57	20.65	1.70	14.40	
Potassium	43.26	1.11	11.09	54.71	1.40	11.86	
Sodium	112.01	4.87	48.79	135.81	5.90	50.07	
TOTAL		9.98	100		11.79	100	
Boron	0.29			0.32			
Iron	< 0.01			< 0.01			
Manganese	< 0.01			< 0.01			
Copper	0.03			0.02			
Zinc	< 0.01			< 0.01			
Aluminum	< 0.01			< 0.01			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	3.68			4.35			
SAR (calculated)	3.44			3.94			

* Soluble Salts: mmhos/cm = ppm / 640