

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Los Robles Greens Golf Course
299 South Moorpark Road
91361

File Number: 80417
Date Received: 9/17/2019
Date Reported: 9/19/2019

Submitted By: Soil and Water Consulting

Lab Number	0047			0048			
Description	FAIRWAY			FAIRWAY			
	3			7			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1229			1780			
Chloride	228			263			
Nitrate (NO3-N)	52.8			27.5			
Bicarbonate	290.41			295.29			
Sulfur	138.35			341.49			
Phosphorus	1.86			1.64			
Calcium	150.13	7.49	33.11	307.39	15.34	41.66	
Magnesium	81.37	6.69	29.58	143.51	11.80	32.06	
Potassium	95.15	2.43	10.76	113.16	2.89	7.86	
Sodium	138.17	6.01	26.55	155.99	6.78	18.42	
TOTAL		22.62	100		36.82	100	
Boron	0.49			0.40			
Iron	1.85			1.37			
Manganese	0.18			0.07			
Copper	0.06			0.07			
Zinc	0.02			0.02			
Aluminum	2.09			1.65			
Ammonium (NH4-N)	8.4			12.9			
ESP (calculated)	2.03			1.43			
SAR (calculated)	2.26			1.84			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0049			0050			
Description	GREEN			GREEN			
	3			5			
pH	8.1			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	294			270			
Chloride	25			31			
Nitrate (NO ₃ -N)	5.5			5.0			
Bicarbonate	134.22			75.65			
Sulfur	11.95			13.46			
Phosphorus	4.40			5.17			
Calcium	18.83	0.94	22.35	18.65	0.93	24.72	
Magnesium	5.87	0.48	11.49	6.15	0.51	13.44	
Potassium	34.83	0.89	21.19	25.88	0.66	17.59	
Sodium	43.49	1.89	44.98	38.31	1.67	44.25	
TOTAL		4.20	100		3.76	100	
Boron	0.16			0.18			
Iron	1.65			0.89			
Manganese	0.05			0.03			
Copper	0.03			0.03			
Zinc	0.02			0.03			
Aluminum	1.96			1.09			
Ammonium (NH ₄ -N)	1.7			< 0.5			
ESP (calculated)	2.01			1.61			
SAR (calculated)	2.24			1.97			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0051
Description	GREEN
	15

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	209					
Chloride	23					
Nitrate (NO ₃ -N)	3.0					
Bicarbonate	53.69					
Sulfur	10.80					
Phosphorus	3.37					
Calcium	17.50	0.87	27.42			
Magnesium	5.63	0.46	14.54			
Potassium	19.75	0.51	15.86			
Sodium	30.89	1.34	42.18			
TOTAL		3.18	100			
Boron	0.13					
Iron	1.18					
Manganese	0.04					
Copper	0.03					
Zinc	0.02					
Aluminum	1.54					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	1.15					
SAR (calculated)	1.64					

* Soluble Salts: mmhos/cm = ppm / 640