

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Los Robles Greens Golf Course
299 South Moorpark Road
91361

File Number: 80417
Date Received: 3/22/2021
Date Reported: 3/24/2021

Submitted By: Soil and Water Consulting

Lab Number	0022			0023			
Description	FAIRWAY			FAIRWAY			
	12			13			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	586			1516			
Chloride	118			92			
Nitrate (NO ₃ -N)	22.9			2.2			
Bicarbonate	174.00			187.71			
Sulfur	31.22			374.75			
Phosphorus	2.64			0.53			
Calcium	58.03	2.90	27.17	418.80	20.90	45.56	
Magnesium	29.13	2.40	22.49	181.46	14.92	32.53	
Potassium	80.83	2.07	19.40	38.06	0.97	2.12	
Sodium	75.82	3.30	30.94	208.69	9.07	19.78	
TOTAL		10.66	100		45.87	100	
Boron	0.40			0.52			
Iron	1.19			0.58			
Manganese	0.16			0.30			
Copper	0.06			0.04			
Zinc	0.03			0.01			
Aluminum	1.34			0.72			
Ammonium (NH ₄ -N)	3.8			3.6			
ESP (calculated)	1.70			1.87			
SAR (calculated)	2.03			2.14			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0024			0025			
Description	GREEN			GREEN			
	8			11			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	367			360			
Chloride	34			32			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	141.86			169.38			
Sulfur	35.61			37.54			
Phosphorus	1.29			1.65			
Calcium	59.93	2.99	39.19	56.72	2.83	38.96	
Magnesium	16.38	1.35	17.66	16.70	1.37	18.91	
Potassium	47.99	1.23	16.09	36.59	0.94	12.88	
Sodium	47.49	2.06	27.06	48.86	2.12	29.25	
TOTAL		7.63	100		7.26	100	
Boron	0.24			0.18			
Iron	0.75			0.50			
Manganese	0.36			0.33			
Copper	0.02			0.02			
Zinc	0.04			0.02			
Aluminum	1.02			0.61			
Ammonium (NH ₄ -N)	0.7			0.8			
ESP (calculated)	0.80			0.89			
SAR (calculated)	1.40			1.47			

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Lab Number	0026			0027			
Description	GREEN			GREEN			
	12			13			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	355			348			
Chloride	42			35			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	163.26			138.58			
Sulfur	21.31			32.14			
Phosphorus	1.67			1.55			
Calcium	59.61	2.97	38.45	42.56	2.12	35.20	
Magnesium	16.97	1.40	18.05	13.09	1.08	17.84	
Potassium	46.83	1.20	15.48	41.25	1.05	17.48	
Sodium	49.85	2.17	28.02	40.92	1.78	29.48	
TOTAL		7.74	100		6.03	100	
Boron	0.27			0.19			
Iron	1.08			0.72			
Manganese	0.81			0.33			
Copper	0.03			0.02			
Zinc	0.04			0.03			
Aluminum	1.49			0.91			
Ammonium (NH ₄ -N)	1.0			1.1			
ESP (calculated)	0.89			0.81			
SAR (calculated)	1.47			1.41			

* Soluble Salts: mmhos/cm = ppm / 640