

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Western Golf Properties
Lake Forest, CA

File Number: 80044
Date Received: 9/27/2021
Date Reported: 9/29/2021

Submitted By: Soil and Water Consulting

Lab Number	0014			0015			
Description	REVERE GC			REVERE GC			
	CONCORD			LEXINGTO			
	GREEN 5			TEE 4			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	404			580			
Chloride	43			102			
Nitrate (NO3-N)	< 0.5			3.6			
Bicarbonate	106.08			174.03			
Sulfur	60.34			60.71			
Phosphorus	2.99			2.88			
Calcium	46.68	2.33	30.80	59.59	2.97	26.89	
Magnesium	13.55	1.11	14.73	17.10	1.41	12.72	
Potassium	19.67	0.50	6.65	17.90	0.46	4.14	
Sodium	83.16	3.62	47.81	143.06	6.22	56.25	
TOTAL		7.56	100		11.06	100	
Boron	0.13			0.20			
Iron	1.11			0.72			
Manganese	0.17			0.09			
Copper	0.02			0.03			
Zinc	0.04			0.03			
Aluminum	2.02			1.16			
Ammonium (NH4-N)	< 0.5			0.9			
ESP (calculated)	2.73			4.71			
SAR (calculated)	2.76			4.20			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0016			0017			
Description	REVERE GC			REVERE GC			
	LEXINGTO			LEXINGTO			
	TEE 17			PG			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1194			363			
Chloride	186			38			
Nitrate (NO3-N)	5.2			1.3			
Bicarbonate	174.37			93.94			
Sulfur	237.58			50.34			
Phosphorus	3.25			1.85			
Calcium	134.85	6.73	26.95	43.88	2.19	34.64	
Magnesium	43.44	3.57	14.31	12.03	0.99	15.65	
Potassium	39.08	1.00	4.00	11.51	0.29	4.66	
Sodium	314.28	13.66	54.73	65.49	2.85	45.05	
TOTAL		24.96	100		6.32	100	
Boron	0.48			0.09			
Iron	0.70			1.17			
Manganese	0.11			0.20			
Copper	0.04			0.02			
Zinc	0.04			0.06			
Aluminum	0.96			2.24			
Ammonium (NH4-N)	0.7			< 0.5			
ESP (calculated)	7.08			2.03			
SAR (calculated)	6.02			2.26			

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Lab Number	0018			0019			
Description	REVERE GC			REVERE GC			
	LEXINGTO			LEXINGTON			
	GREEN 5			GREEN 4			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	410			281			
Chloride	49			35			
Nitrate (NO ₃ -N)	2.6			3.0			
Bicarbonate	83.90			84.23			
Sulfur	56.06			29.85			
Phosphorus	1.33			2.30			
Calcium	40.02	2.00	28.94	23.79	1.19	24.33	
Magnesium	11.91	0.98	14.20	7.04	0.58	11.87	
Potassium	15.04	0.38	5.57	11.20	0.29	5.87	
Sodium	81.41	3.54	51.29	65.04	2.83	57.94	
TOTAL		6.90	100		4.88	100	
Boron	0.21			0.17			
Iron	0.74			1.15			
Manganese	0.15			0.18			
Copper	0.02			0.02			
Zinc	0.04			0.06			
Aluminum	0.92			1.92			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	2.93			3.08			
SAR (calculated)	2.90			3.01			

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Lab Number	0020
Description	REVERE GC LEXINGTON GREEN 17

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	390					
Chloride	42					
Nitrate (NO3-N)	1.7					
Bicarbonate	114.57					
Sulfur	49.44					
Phosphorus	1.88					
Calcium	39.77	1.98	28.38			
Magnesium	10.88	0.89	12.79			
Potassium	18.22	0.47	6.66			
Sodium	83.89	3.65	52.16			
TOTAL		6.99	100			
Boron	0.16					
Iron	0.91					
Manganese	0.18					
Copper	0.02					
Zinc	0.06					
Aluminum	1.34					
Ammonium (NH4-N)	0.8					
ESP (calculated)	3.12					
SAR (calculated)	3.04					

* Soluble Salts: mmhos/cm = ppm / 640