

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Western Golf Properties
1 Spectrum Pointe Dr #310
Lake Forest, CA 92630

File Number: 80046
Date Received: 3/11/2019
Date Reported: 3/12/2019

Submitted By: Soil and Water Consulting

Lab Number	0049			0050			
Description	REVERE GC LEXINGTON TEE 5			REVERE GC LEXINGTON TEE 14			
pH	8.2			8.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	734			514			
Chloride	111			87			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	256.24			187.91			
Sulfur	48.63			39.98			
Phosphorus	2.83			2.11			
Calcium	63.77	3.18	23.28	41.81	2.09	21.42	
Magnesium	18.53	1.52	11.15	12.30	1.01	10.39	
Potassium	16.32	0.42	3.05	8.58	0.22	2.25	
Sodium	196.49	8.54	62.51	147.73	6.42	65.94	
TOTAL		13.67	100		9.74	100	
Boron	0.27			0.13			
Iron	1.95			0.75			
Manganese	0.38			0.06			
Copper	0.10			0.10			
Zinc	0.06			0.03			
Aluminum	2.51			1.13			
Ammonium (NH4-N)	0.7			1.3			
ESP (calculated)	6.50			5.97			
SAR (calculated)	5.57			5.16			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0051			0052			
Description	REVERE GC LEXINGTON FAIRWAY 5			REVERE GC LEXINGTON FAIRWAY 14			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2097			2545			
Chloride	174			239			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	287.97			300.17			
Sulfur	692.19			799.96			
Phosphorus	1.47			1.32			
Calcium	527.18	26.31	57.13	529.19	26.41	48.40	
Magnesium	93.49	7.69	16.70	111.12	9.14	16.75	
Potassium	40.17	1.03	2.23	57.13	1.46	2.68	
Sodium	253.61	11.03	23.95	403.73	17.55	32.17	
TOTAL		46.05	100		54.56	100	
Boron	0.32			0.61			
Iron	0.60			0.57			
Manganese	1.09			0.42			
Copper	0.04			0.08			
Zinc	0.04			0.03			
Aluminum	1.32			1.07			
Ammonium (NH4-N)	1.8			0.8			
ESP (calculated)	2.61			4.65			
SAR (calculated)	2.67			4.16			

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Lab Number	0053			0054			
Description	REVERE GC LEXINGTON GREEN 5			REVERE GC LEXINGTON GREEN 14			
pH	8.2			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	349			315			
Chloride	37			18			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	97.62			97.62			
Sulfur	65.25			36.02			
Phosphorus	1.24			2.38			
Calcium	44.03	2.20	30.68	27.87	1.39	24.58	
Magnesium	13.24	1.09	15.21	8.98	0.74	13.05	
Potassium	10.67	0.27	3.81	9.91	0.25	4.48	
Sodium	82.85	3.60	50.30	75.32	3.27	57.89	
TOTAL		7.16	100		5.66	100	
Boron	0.12			0.15			
Iron	1.01			1.55			
Manganese	0.23			0.34			
Copper	0.05			0.06			
Zinc	0.12			0.16			
Aluminum	1.73			2.77			
Ammonium (NH ₄ -N)	0.6			< 0.5			
ESP (calculated)	2.80			3.31			
SAR (calculated)	2.81			3.17			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0055
Description	REVERE GC CONCORD GREEN 14

pH	8.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	335					
Chloride	27					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	109.82					
Sulfur	34.64					
Phosphorus	2.99					
Calcium	28.02	1.40	21.31			
Magnesium	9.77	0.80	12.25			
Potassium	11.74	0.30	4.57			
Sodium	93.38	4.06	61.87			
TOTAL		6.56	100			
Boron	0.15					
Iron	2.02					
Manganese	0.31					
Copper	0.07					
Zinc	0.14					
Aluminum	3.69					
Ammonium (NH4-N)	0.6					
ESP (calculated)	4.26					
SAR (calculated)	3.87					

* Soluble Salts: mmhos/cm = ppm / 640