

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

La Valle Coastal Club
5690 Cancha de Golf
Rancho Santa Fe, CA 92091

File Number: 93033
Date Received: 10/25/2024
Date Reported: 10/29/2024

Submitted By: Soil and Water Consulting

Lab Number	0009			0010			
Description	EAST COURSE			EAST COURSE			
	TEE			FAIRWAY			
	6			6			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	3845			2449			
Chloride	2269			847			
Nitrate (NO3-N)	5.7			5.4			
Bicarbonate	198.98			130.05			
Sulfur	340.87			216.78			
Phosphorus	2.24			1.84			
Calcium	376.88	18.81	23.76	202.28	10.09	23.46	
Magnesium	224.55	18.47	23.33	113.93	9.37	21.78	
Potassium	32.49	0.83	1.05	25.93	0.66	1.54	
Sodium	943.79	41.03	51.85	526.54	22.89	53.22	
TOTAL		79.14	100		43.02	100	
Boron	0.23			0.28			
Iron	0.45			0.58			
Manganese	0.04			0.03			
Copper	0.03			0.02			
Zinc	0.04			0.02			
Aluminum	0.56			0.70			
Ammonium (NH4-N)	3.2			1.2			
ESP (calculated)	11.32			8.73			
SAR (calculated)	9.51			7.34			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0011
Description	NORTH COURSE
	GREEN
	6

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	422					
Chloride	63					
Nitrate (NO ₃ -N)	7.0					
Bicarbonate	77.93					
Sulfur	25.75					
Phosphorus	5.51					
Calcium	26.51	1.32	22.99			
Magnesium	8.44	0.69	12.06			
Potassium	11.99	0.31	5.33			
Sodium	78.93	3.43	59.63			
TOTAL		5.76	100			
Boron	0.24					
Iron	0.83					
Manganese	0.05					
Copper	0.04					
Zinc	0.03					
Aluminum	1.28					
Ammonium (NH ₄ -N)	1.3					
ESP (calculated)	3.64					
SAR (calculated)	3.42					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0012
Description	SOUTH COURSE
	GREEN
	1

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	2742					
Chloride	1045					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	199.88					

Sulfur	316.29					
Phosphorus	1.58					
Calcium	258.11	12.88	24.62			
Magnesium	134.19	11.04	21.10			
Potassium	60.91	1.56	2.98			
Sodium	617.14	26.83	51.30			
TOTAL		52.31	100			

Boron	0.28
Iron	0.65
Manganese	0.26
Copper	0.02
Zinc	0.02
Aluminum	0.79
Ammonium (NH ₄ -N)	3.1

ESP (calculated)	9.24
SAR (calculated)	7.76

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0013
Description	EAST COURSE
	GREEN
	6

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1156					
Chloride	247					
Nitrate (NO ₃ -N)	6.9					
Bicarbonate	70.31					
Sulfur	86.61					
Phosphorus	3.21					
Calcium	87.36	4.36	23.61			
Magnesium	42.23	3.47	18.81			
Potassium	35.75	0.91	4.95			
Sodium	223.44	9.71	52.62			
TOTAL		18.46	100			
Boron	0.22					
Iron	0.39					
Manganese	0.05					
Copper	0.01					
Zinc	0.01					
Aluminum	0.54					
Ammonium (NH ₄ -N)	1.2					
ESP (calculated)	5.64					
SAR (calculated)	4.91					

* Soluble Salts: mmhos/cm = ppm / 640