

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

The Heights Golf Club
16066 Bernardo Heights Pkwy
San Diego, CA 92128

File Number: 93984
Date Received: 4/10/2025
Date Reported: 4/11/2025

Submitted By: Soil and Water Consulting

Lab Number	0017
Description	TEE
	1

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1032					
Chloride	245					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	130.15					
Sulfur	189.94					
Phosphorus	1.77					
Calcium	103.89	5.18	24.42			
Magnesium	37.55	3.09	14.55			
Potassium	14.23	0.36	1.71			
Sodium	289.70	12.60	59.32			
TOTAL		21.23	100			

Boron	0.45
Iron	0.89
Manganese	0.16
Copper	0.06
Zinc	0.14
Aluminum	1.24
Ammonium (NH4-N)	1.3

ESP (calculated)	7.30
SAR (calculated)	6.19

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0018
Description	FAIRWAY
	1

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	895					
Chloride	241					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	195.68					

Sulfur	100.60					
Phosphorus	2.08					
Calcium	63.37	3.16	18.19			
Magnesium	23.09	1.90	10.92			
Potassium	21.79	0.56	3.20			
Sodium	270.71	11.77	67.69			
TOTAL		17.39	100			

Boron	0.48
Iron	2.56
Manganese	0.23
Copper	0.03
Zinc	0.17
Aluminum	3.48
Ammonium (NH4-N)	1.4

ESP (calculated)	8.80
SAR (calculated)	7.40

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Lab Number	0019			0020			
Description	GREEN			GREEN			
	1			10			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	407			472			
Chloride	129			133			
Nitrate (NO3-N)	0.6			2.4			
Bicarbonate	55.98			72.28			
Sulfur	29.23			41.32			
Phosphorus	2.29			2.03			
Calcium	27.80	1.39	20.10	39.21	1.96	23.97	
Magnesium	10.14	0.83	12.08	14.83	1.22	14.94	
Potassium	17.54	0.45	6.50	22.86	0.58	7.16	
Sodium	97.31	4.23	61.32	101.25	4.40	53.93	
TOTAL		6.90	100		8.16	100	
Boron	0.16			0.19			
Iron	0.56			0.60			
Manganese	0.03			0.06			
Copper	0.02			0.03			
Zinc	0.02			0.02			
Aluminum	0.82			1.05			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	4.45			3.75			
SAR (calculated)	4.02			3.49			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0021
Description	GREEN
	18

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	497					
Chloride	156					
Nitrate (NO3-N)	2.7					
Bicarbonate	66.13					
Sulfur	45.59					
Phosphorus	1.42					
Calcium	35.81	1.79	21.08			
Magnesium	15.48	1.27	15.03			
Potassium	20.12	0.51	6.07			
Sodium	112.71	4.90	57.82			
TOTAL		8.47	100			
Boron	0.19					
Iron	0.54					
Manganese	0.17					
Copper	0.02					
Zinc	0.03					
Aluminum	0.92					
Ammonium (NH4-N)	0.5					
ESP (calculated)	4.38					
SAR (calculated)	3.96					

* Soluble Salts: mmhos/cm = ppm / 640