

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Anaheim Hills Golf Course
6501 Nohl Ranch Rd
Anaheim, CA 92807

File Number: 91698
Date Received: 9/16/2024
Date Reported: 9/18/2024

Submitted By: Soil and Water Consulting

Lab Number	0037
Description	TEE
	16

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	689					
Chloride	97					
Nitrate (NO ₃ -N)	15.2					
Bicarbonate	104.63					
Sulfur	102.57					
Phosphorus	1.40					
Calcium	79.42	3.96	32.29			
Magnesium	27.42	2.25	18.37			
Potassium	25.03	0.64	5.22			
Sodium	124.51	5.41	44.12			
TOTAL		12.27	100			

Boron	0.20
Iron	0.58
Manganese	0.01
Copper	0.03
Zinc	0.01
Aluminum	0.43
Ammonium (NH ₄ -N)	11.3

ESP (calculated)	3.17
SAR (calculated)	3.07

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038
Description	FAIRWAY
	16

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1290					
Chloride	80					
Nitrate (NO ₃ -N)	1.8					
Bicarbonate	126.38					

Sulfur	324.17					
Phosphorus	1.55					
Calcium	180.01	8.98	40.39			
Magnesium	59.28	4.88	21.92			
Potassium	45.65	1.17	5.25			
Sodium	165.96	7.22	32.44			
TOTAL		22.24	100			

Boron	0.17
Iron	0.28
Manganese	0.01
Copper	0.03
Zinc	< 0.01
Aluminum	0.23
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	2.71
SAR (calculated)	2.74

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0039			0040			
Description	GREEN			GREEN			
	16			11			
pH	7.9			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	266			590			
Chloride	31			99			
Nitrate (NO3-N)	3.6			11.4			
Bicarbonate	60.18			39.12			
Sulfur	26.12			92.86			
Phosphorus	0.65			1.02			
Calcium	15.67	0.78	21.22	53.38	2.66	28.68	
Magnesium	5.50	0.45	12.29	15.56	1.28	13.78	
Potassium	15.85	0.41	11.01	26.22	0.67	7.22	
Sodium	47.02	2.04	55.49	107.52	4.67	50.33	
TOTAL		3.68	100		9.29	100	
Boron	0.08			0.13			
Iron	0.72			0.53			
Manganese	0.02			0.03			
Copper	0.01			0.04			
Zinc	< 0.01			0.01			
Aluminum	1.27			0.52			
Ammonium (NH4-N)	5.7			1.3			
ESP (calculated)	2.51			3.52			
SAR (calculated)	2.60			3.33			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0041
Description	GREEN
	10

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	197					
Chloride	21					
Nitrate (NO3-N)	0.7					
Bicarbonate	48.07					

Sulfur	20.46					
Phosphorus	2.74					
Calcium	12.96	0.65	22.71			
Magnesium	4.82	0.40	13.93			
Potassium	7.51	0.19	6.74			
Sodium	37.10	1.61	56.62			
TOTAL		2.85	100			

Boron	0.13					
Iron	0.88					
Manganese	0.01					
Copper	0.02					
Zinc	< 0.01					
Aluminum	1.64					
Ammonium (NH4-N)	< 0.5					

ESP (calculated)	1.99
SAR (calculated)	2.23

* Soluble Salts: mmhos/cm = ppm / 640