

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 3/10/2023
Date Reported: 3/14/2023

Submitted By: Soil and Water Consulting

Lab Number	0007
Description	ISLAND GREEN 8

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	205					
Chloride	6					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	80.33					
Sulfur	14.34					
Phosphorus	2.99					
Calcium	23.49	1.17	38.61			
Magnesium	4.27	0.35	11.57			
Potassium	23.92	0.61	20.15			
Sodium	20.71	0.90	29.67			
TOTAL		3.04	100			
Boron	0.20					
Iron	1.80					
Manganese	0.10					
Copper	0.05					
Zinc	0.03					
Aluminum	2.08					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	0.26					
SAR (calculated)	1.03					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0008			0009			
Description	LAKES			LAKES			
	TEE			FAIRWAY			
	8			8			
pH	7.7			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	306			329			
Chloride	24			25			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	107.36			112.79			
Sulfur	28.79			26.78			
Phosphorus	0.72			0.43			
Calcium	52.37	2.61	46.86	52.99	2.64	49.48	
Magnesium	8.88	0.73	13.10	8.59	0.71	13.21	
Potassium	15.91	0.41	7.30	14.22	0.36	6.80	
Sodium	42.00	1.83	32.75	37.49	1.63	30.50	
TOTAL		5.58	100		5.34	100	
Boron	0.20			0.18			
Iron	3.48			2.75			
Manganese	0.43			0.23			
Copper	0.08			0.08			
Zinc	0.05			0.04			
Aluminum	3.74			2.83			
Ammonium (NH4-N)	1.1			2.0			
ESP (calculated)	0.82			0.59			
SAR (calculated)	1.41			1.26			

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Lab Number	0010
Description	LAKES GREEN 8

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	130					
Chloride	4					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	55.75					

Sulfur	4.63					
Phosphorus	1.43					
Calcium	10.85	0.54	33.23			
Magnesium	5.63	0.46	28.41			
Potassium	11.92	0.30	18.71			
Sodium	7.36	0.32	19.64			
TOTAL		1.63	100			

Boron	0.12					
Iron	1.64					
Manganese	0.18					
Copper	0.04					
Zinc	0.03					
Aluminum	1.89					
Ammonium (NH ₄ -N)	< 0.5					

ESP (calculated)	< .01					
SAR (calculated)	0.45					

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Lab Number	0011			0012			
Description	OAKS			OAKS			
	TEE			FAIRWAY			
	8			8			
pH	8.0			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	308			230			
Chloride	19			14			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	145.72			75.45			
Sulfur	18.56			20.68			
Phosphorus	2.10			1.22			
Calcium	46.61	2.33	43.30	25.50	1.27	35.16	
Magnesium	7.16	0.59	10.97	4.91	0.40	11.16	
Potassium	36.62	0.94	17.44	27.71	0.71	19.58	
Sodium	34.95	1.52	28.29	28.37	1.23	34.09	
TOTAL		5.37	100		3.62	100	
Boron	0.19			0.28			
Iron	1.71			4.89			
Manganese	0.09			0.09			
Copper	0.10			0.14			
Zinc	0.06			0.06			
Aluminum	1.80			5.21			
Ammonium (NH ₄ -N)	2.5			1.8			
ESP (calculated)	0.59			0.72			
SAR (calculated)	1.26			1.35			

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Lab Number	0013
Description	OAKS GREEN 8

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	221					
Chloride	7					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	92.08					

Sulfur	12.61					
Phosphorus	4.90					
Calcium	24.02	1.20	38.32			
Magnesium	3.85	0.32	10.12			
Potassium	35.98	0.92	29.42			
Sodium	15.92	0.69	22.13			
TOTAL		3.13	100			

Boron	0.29					
Iron	1.67					
Manganese	0.18					
Copper	0.11					
Zinc	0.05					
Aluminum	1.77					
Ammonium (NH ₄ -N)	1.9					

ESP (calculated)	< .01					
SAR (calculated)	0.80					

* Soluble Salts: mmhos/cm = ppm / 640