

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 10/11/2022
Date Reported: 10/13/2022

Submitted By: Soil and Water Consulting

Lab Number	0041
Description	ISLAND GREEN 6

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	504					
Chloride	34					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	60.52					

Sulfur	117.37					
Phosphorus	1.20					
Calcium	76.49	3.82	39.98			
Magnesium	26.06	2.14	22.45			
Potassium	37.60	0.96	10.07			
Sodium	60.40	2.63	27.51			
TOTAL		9.55	100			

Boron	0.18
Iron	0.45
Manganese	0.03
Copper	0.07
Zinc	0.05
Aluminum	0.56
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	0.97
SAR (calculated)	1.52

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0042			0043			
Description	LAKES			LAKES			
	TEE			FAIRWAY			
	6			6			
pH	8.1			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	288			446			
Chloride	23			53			
Nitrate (NO ₃ -N)	11.3			5.7			
Bicarbonate	116.49			66.57			
Sulfur	15.10			72.16			
Phosphorus	1.58			0.56			
Calcium	38.62	1.93	38.32	59.35	2.96	37.54	
Magnesium	7.22	0.59	11.80	11.12	0.91	11.59	
Potassium	24.71	0.63	12.56	36.64	0.94	11.88	
Sodium	43.16	1.88	37.31	70.76	3.08	38.99	
TOTAL		5.03	100		7.89	100	
Boron	0.18			0.39			
Iron	0.66			0.98			
Manganese	0.05			0.08			
Copper	0.10			0.12			
Zinc	0.07			0.03			
Aluminum	0.71			0.81			
Ammonium (NH ₄ -N)	1.7			1.4			
ESP (calculated)	1.19			1.96			
SAR (calculated)	1.67			2.21			

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Lab Number	0044
Description	LAKES GREEN 6

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	517					
Chloride	40					
Nitrate (NO ₃ -N)	1.2					
Bicarbonate	77.22					

Sulfur	102.58					
Phosphorus	2.38					
Calcium	68.39	3.41	37.64			
Magnesium	8.96	0.74	8.13			
Potassium	45.72	1.17	12.90			
Sodium	86.17	3.75	41.33			
TOTAL		9.07	100			

Boron	0.29
Iron	0.49
Manganese	0.04
Copper	0.07
Zinc	0.05
Aluminum	0.57
Ammonium (NH ₄ -N)	0.8

ESP (calculated)	2.51
SAR (calculated)	2.60

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0045			0046			
Description	OAKS			OAKS			
	TEE			FAIRWAY			
	6			6			
pH	8.0			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	347			263			
Chloride	31			32			
Nitrate (NO ₃ -N)	14.3			1.2			
Bicarbonate	97.17			78.06			
Sulfur	21.96			23.36			
Phosphorus	1.64			1.62			
Calcium	54.01	2.70	43.08	24.31	1.21	28.03	
Magnesium	7.53	0.62	9.90	4.62	0.38	8.78	
Potassium	30.40	0.78	12.43	28.48	0.73	16.84	
Sodium	49.76	2.16	34.58	46.12	2.01	46.35	
TOTAL		6.26	100		4.33	100	
Boron	0.19			0.22			
Iron	0.33			3.05			
Manganese	0.04			0.08			
Copper	0.12			0.12			
Zinc	0.04			0.09			
Aluminum	0.21			2.84			
Ammonium (NH ₄ -N)	2.0			< 0.5			
ESP (calculated)	1.20			2.01			
SAR (calculated)	1.68			2.25			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0047
Description	OAKS GREEN 6

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	753					
Chloride	69					
Nitrate (NO ₃ -N)	1.3					
Bicarbonate	72.86					

Sulfur	173.66					
Phosphorus	3.17					
Calcium	93.39	4.66	33.36			
Magnesium	13.49	1.11	7.94			
Potassium	108.41	2.77	19.85			
Sodium	124.87	5.43	38.86			
TOTAL		13.97	100			

Boron	0.45
Iron	0.45
Manganese	0.06
Copper	0.11
Zinc	0.09
Aluminum	0.51
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	3.34
SAR (calculated)	3.20

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Lab Number	0048
Description	NURSERY GREEN

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	289					
Chloride	19					
Nitrate (NO ₃ -N)	7.9					
Bicarbonate	67.46					
Sulfur	32.03					
Phosphorus	0.86					
Calcium	45.28	2.26	48.18			
Magnesium	6.93	0.57	12.15			
Potassium	12.95	0.33	7.06			
Sodium	35.18	1.53	32.61			
TOTAL		4.69	100			
Boron	0.11					
Iron	0.80					
Manganese	0.01					
Copper	0.04					
Zinc	0.04					
Aluminum	0.89					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	0.63					
SAR (calculated)	1.29					

* Soluble Salts: mmhos/cm = ppm / 640