

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 10/4/2021
Date Reported: 10/6/2021

Submitted By: Soil and Water Consulting

Lab Number	0085			0086			
Description	TEE			TEE			
	LAKES 4			ISLAND 4			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	268			228			
Chloride	23			19			
Nitrate (NO ₃ -N)	16.7			< 0.5			
Bicarbonate	98.90			84.54			
Sulfur	10.82			10.80			
Phosphorus	2.38			0.48			
Calcium	36.90	1.84	43.04	21.23	1.06	34.32	
Magnesium	7.06	0.58	13.57	4.32	0.36	11.50	
Potassium	20.49	0.52	12.25	14.11	0.36	11.69	
Sodium	30.64	1.33	31.14	30.16	1.31	42.48	
TOTAL		4.28	100		3.09	100	
Boron	0.15			0.12			
Iron	2.48			3.23			
Manganese	0.11			0.11			
Copper	0.04			0.06			
Zinc	0.06			0.04			
Aluminum	2.82			3.14			
Ammonium (NH ₄ -N)	1.6			2.8			
ESP (calculated)	0.52			1.03			
SAR (calculated)	1.21			1.56			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0087			0088			
Description	FAIRWAY LAKES 4			FAIRWAY ISLAND 4			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	246			306			
Chloride	28			34			
Nitrate (NO ₃ -N)	6.4			10.9			
Bicarbonate	56.20			62.52			
Sulfur	18.35			16.94			
Phosphorus	1.47			3.21			
Calcium	21.03	1.05	25.15	25.05	1.25	29.75	
Magnesium	5.17	0.43	10.20	4.50	0.37	8.80	
Potassium	26.69	0.68	16.36	28.56	0.73	17.38	
Sodium	46.33	2.01	48.28	42.59	1.85	44.07	
TOTAL		4.17	100		4.20	100	
Boron	0.33			0.18			
Iron	7.63			1.46			
Manganese	0.12			0.08			
Copper	0.09			0.06			
Zinc	0.10			0.06			
Aluminum	8.62			1.43			
Ammonium (NH ₄ -N)	< 0.5			2.5			
ESP (calculated)	2.15			1.74			
SAR (calculated)	2.35			2.06			

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Lab Number	0089			0090			
Description	GREEN LAKES 4			GREEN OAKS 4			
pH	7.9			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	410			614			
Chloride	24			55			
Nitrate (NO ₃ -N)	< 0.5			3.2			
Bicarbonate	52.28			51.98			
Sulfur	72.50			100.93			
Phosphorus	2.17			2.93			
Calcium	48.53	2.42	39.38	67.93	3.39	37.86	
Magnesium	8.52	0.70	11.39	11.14	0.92	10.23	
Potassium	18.96	0.48	7.88	57.44	1.47	16.41	
Sodium	58.47	2.54	41.34	73.10	3.18	35.50	
TOTAL		6.15	100		8.95	100	
Boron	0.27			0.31			
Iron	0.66			0.41			
Manganese	0.04			0.04			
Copper	0.03			0.04			
Zinc	0.02			0.02			
Aluminum	0.75			0.42			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	1.71			1.90			
SAR (calculated)	2.03			2.17			

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Lab Number	0091			0092			
Description	GREEN ISLAND 4			GREEN CHIPPING			
pH	7.9			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	357			205			
Chloride	18			15			
Nitrate (NO ₃ -N)	9.4			0.8			
Bicarbonate	47.48			54.82			
Sulfur	48.51			5.19			
Phosphorus	3.24			1.21			
Calcium	41.96	2.09	41.46	11.30	0.56	31.81	
Magnesium	7.36	0.61	11.98	2.06	0.17	9.57	
Potassium	32.10	0.82	16.26	7.89	0.20	11.38	
Sodium	35.19	1.53	30.30	19.26	0.84	47.24	
TOTAL		5.05	100		1.77	100	
Boron	0.23			0.08			
Iron	0.64			1.54			
Manganese	0.06			0.05			
Copper	0.05			0.03			
Zinc	0.03			0.02			
Aluminum	0.63			1.40			
Ammonium (NH ₄ -N)	0.6			0.8			
ESP (calculated)	0.68			0.77			
SAR (calculated)	1.32			1.38			

* Soluble Salts: mmhos/cm = ppm / 640