

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 3/18/2021
Date Reported: 3/22/2021

Submitted By: Soil and Water Consulting

Lab Number	0006			0007			
Description	FAIRWAY LAKES 4			FAIRWAY OAKS 5			
pH	7.8			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	327			339			
Chloride	22			21			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	86.57			75.90			
Sulfur	37.26			37.06			
Phosphorus	0.81			0.70			
Calcium	36.03	1.80	31.55	41.00	2.05	38.64	
Magnesium	9.04	0.74	13.05	9.00	0.74	13.98	
Potassium	43.36	1.11	19.46	33.27	0.85	16.07	
Sodium	47.10	2.05	35.94	38.12	1.66	31.31	
TOTAL		5.70	100		5.29	100	
Boron	0.26			0.21			
Iron	5.35			5.50			
Manganese	0.36			0.35			
Copper	0.08			0.06			
Zinc	0.06			0.05			
Aluminum	5.58			5.99			
Ammonium (NH4-N)	1.8			0.6			
ESP (calculated)	1.40			0.80			
SAR (calculated)	1.82			1.40			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0008
Description	ROUGH OAKS 1/2

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	515					
Chloride	47					
Nitrate (NO ₃ -N)	16.7					
Bicarbonate	49.03					
Sulfur	62.80					
Phosphorus	2.14					
Calcium	75.89	3.79	40.94			
Magnesium	9.67	0.80	8.60			
Potassium	51.62	1.32	14.28			
Sodium	76.97	3.35	36.18			
TOTAL		9.25	100			
Boron	0.62					
Iron	2.27					
Manganese	0.21					
Copper	0.08					
Zinc	0.03					
Aluminum	2.41					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	1.96					
SAR (calculated)	2.21					

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Lab Number	0009			0010			
Description	GREENS LAKE 1			GREENS OAKS 6			
pH	7.7			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	444			511			
Chloride	11			14			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	70.21			64.39			
Sulfur	73.65			86.43			
Phosphorus	1.82			4.18			
Calcium	66.67	3.33	46.16	75.84	3.78	43.65	
Magnesium	14.28	1.17	16.29	17.71	1.46	16.80	
Potassium	24.49	0.63	8.69	58.10	1.49	17.14	
Sodium	47.84	2.08	28.86	44.68	1.94	22.41	
TOTAL		7.21	100		8.67	100	
Boron	0.20			0.32			
Iron	0.68			0.42			
Manganese	0.11			0.16			
Copper	0.03			0.04			
Zinc	0.01			0.02			
Aluminum	0.81			0.57			
Ammonium (NH ₄ -N)	1.5			< 0.5			
ESP (calculated)	0.78			0.51			
SAR (calculated)	1.39			1.20			

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Lab Number	0011
Description	GREENS ISLAND 4

pH	7.7
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	209					
Chloride	7					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	60.57					
Sulfur	25.80					
Phosphorus	3.45					
Calcium	22.23	1.11	34.01			
Magnesium	6.33	0.52	15.95			
Potassium	28.52	0.73	22.35			
Sodium	20.77	0.90	27.69			
TOTAL		3.26	100			
Boron	0.24					
Iron	1.18					
Manganese	0.18					
Copper	0.06					
Zinc	0.03					
Aluminum	1.20					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	0.22					
SAR (calculated)	1.00					

* Soluble Salts: mmhos/cm = ppm / 640