

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 6/25/2024
Date Reported: 6/27/2024

Submitted By: Soil and Water Consulting

Lab Number	0022
Description	ISLAND
	TEE
	5

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	348					
Chloride	40					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	81.38					
Sulfur	30.06					
Phosphorus	0.90					
Calcium	38.49	1.92	37.13			
Magnesium	6.05	0.50	9.62			
Potassium	31.91	0.82	15.78			
Sodium	44.57	1.94	37.46			
TOTAL		5.17	100			
Boron	0.16					
Iron	2.01					
Manganese	0.08					
Copper	0.03					
Zinc	0.03					
Aluminum	2.34					
Ammonium (NH4-N)	1.1					
ESP (calculated)	1.32					
SAR (calculated)	1.76					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0023
Description	LAKES TEE 5

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	430					
Chloride	34					
Nitrate (NO3-N)	22.2					
Bicarbonate	115.02					
Sulfur	17.61					
Phosphorus	0.84					
Calcium	77.63	3.87	56.28			
Magnesium	6.48	0.53	7.75			
Potassium	23.35	0.60	8.68			
Sodium	43.20	1.88	27.29			
TOTAL		6.88	100			
Boron	0.17					
Iron	0.66					
Manganese	0.05					
Copper	0.03					
Zinc	0.02					
Aluminum	0.78					
Ammonium (NH4-N)	1.2					
ESP (calculated)	0.60					
SAR (calculated)	1.27					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0024
Description	OAKS
	TEE
	5

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	264					
Chloride	12					
Nitrate (NO3-N)	6.3					
Bicarbonate	101.24					
Sulfur	7.41					
Phosphorus	0.65					
Calcium	36.74	1.83	49.60			
Magnesium	4.62	0.38	10.28			
Potassium	11.50	0.29	7.96			
Sodium	27.35	1.19	32.16			
TOTAL		3.70	100			
Boron	0.09					
Iron	0.67					
Manganese	0.03					
Copper	0.02					
Zinc	0.02					
Aluminum	0.83					
Ammonium (NH4-N)	0.8					
ESP (calculated)	0.41					
SAR (calculated)	1.13					

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Lab Number	0025
Description	ISLAND FAIRWAY 5

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	274					
Chloride	29					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	60.70					
Sulfur	28.61					
Phosphorus	0.71					
Calcium	31.33	1.56	36.33			
Magnesium	4.62	0.38	8.82			
Potassium	18.75	0.48	11.14			
Sodium	43.26	1.88	43.71			
TOTAL		4.30	100			
Boron	0.19					
Iron	3.05					
Manganese	0.10					
Copper	0.05					
Zinc	0.03					
Aluminum	3.24					
Ammonium (NH ₄ -N)	0.5					
ESP (calculated)	1.53					
SAR (calculated)	1.91					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0026
Description	LAKES FAIRWAY 5

pH	7.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	390					
Chloride	42					
Nitrate (NO ₃ -N)	16.9					
Bicarbonate	54.72					
Sulfur	29.45					
Phosphorus	1.56					
Calcium	45.90	2.29	42.15			
Magnesium	6.38	0.52	9.66			
Potassium	34.18	0.87	16.09			
Sodium	40.12	1.74	32.10			
TOTAL		5.43	100			
Boron	0.20					
Iron	1.88					
Manganese	0.04					
Copper	0.04					
Zinc	0.04					
Aluminum	2.05					
Ammonium (NH ₄ -N)	1.1					
ESP (calculated)	0.90					
SAR (calculated)	1.47					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0027
Description	OAKS
	FAIRWAY
	5

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	271					
Chloride	27					
Nitrate (NO3-N)	1.1					
Bicarbonate	69.93					
Sulfur	19.05					
Phosphorus	2.26					
Calcium	31.26	1.56	39.74			
Magnesium	4.80	0.39	10.05			
Potassium	24.45	0.63	15.93			
Sodium	30.93	1.34	34.27			
TOTAL		3.92	100			
Boron	0.19					
Iron	2.03					
Manganese	0.05					
Copper	0.04					
Zinc	0.02					
Aluminum	2.14					
Ammonium (NH4-N)	1.2					
ESP (calculated)	0.74					
SAR (calculated)	1.36					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0028
Description	ISLAND GREEN 5

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	386					
Chloride	17					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	45.81					
Sulfur	63.90					
Phosphorus	1.27					
Calcium	50.07	2.50	42.78			
Magnesium	7.23	0.59	10.18			
Potassium	49.77	1.27	21.80			
Sodium	33.90	1.47	25.24			
TOTAL		5.84	100			
Boron	0.17					
Iron	1.26					
Manganese	0.12					
Copper	0.03					
Zinc	0.02					
Aluminum	1.41					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	0.49					
SAR (calculated)	1.19					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0029
Description	LAKES GREEN 5

pH	7.6
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	483					
Chloride	23					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	54.08					
Sulfur	98.46					
Phosphorus	1.07					
Calcium	82.40	4.11	51.22			
Magnesium	7.61	0.63	7.79			
Potassium	56.53	1.45	18.01			
Sodium	42.42	1.84	22.97			
TOTAL		8.03	100			
Boron	0.27					
Iron	0.59					
Manganese	0.06					
Copper	0.03					
Zinc	0.01					
Aluminum	0.67					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	0.50					
SAR (calculated)	1.20					

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Lab Number	0030
Description	OAKS GREEN 5

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	417					
Chloride	20					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	36.57					

Sulfur	77.30					
Phosphorus	1.30					
Calcium	62.56	3.12	49.38			
Magnesium	7.70	0.63	10.01			
Potassium	45.40	1.16	18.37			
Sodium	32.33	1.41	22.24			
TOTAL		6.32	100			

Boron	0.19					
Iron	0.80					
Manganese	0.06					
Copper	0.03					
Zinc	0.01					
Aluminum	0.98					
Ammonium (NH ₄ -N)	0.6					

ESP (calculated)	0.25					
SAR (calculated)	1.03					

* Soluble Salts: mmhos/cm = ppm / 640