

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Seven Oaks CC
Bakersfield, CA

File Number: 73606
Date Received: 6/21/2022
Date Reported: 6/23/2022

Submitted By: Soil and Water Consulting

Lab Number	0036
Description	OAKS
	TEE
	1

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	285					
Chloride	32					
Nitrate (NO ₃ -N)	0.8					
Bicarbonate	130.78					

Sulfur	17.43					
Phosphorus	1.38					
Calcium	39.92	1.99	36.39			
Magnesium	7.24	0.60	10.87			
Potassium	30.84	0.79	14.41			
Sodium	48.27	2.10	38.33			
TOTAL		5.47	100			

Boron	0.19
Iron	2.77
Manganese	0.12
Copper	0.08
Zinc	0.05
Aluminum	2.50
Ammonium (NH ₄ -N)	1.2

ESP (calculated)	1.44
SAR (calculated)	1.84

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0037
Description	LAKES TEE 1

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	333					
Chloride	33					
Nitrate (NO ₃ -N)	14.3					
Bicarbonate	124.91					

Sulfur	18.39					
Phosphorus	2.15					
Calcium	50.31	2.51	39.92			
Magnesium	7.73	0.64	10.11			
Potassium	27.81	0.71	11.31			
Sodium	55.93	2.43	38.66			
TOTAL		6.29	100			

Boron	0.20
Iron	1.42
Manganese	0.05
Copper	0.06
Zinc	0.04
Aluminum	1.49
Ammonium (NH ₄ -N)	0.7

ESP (calculated)	1.57
SAR (calculated)	1.94

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0038
Description	OAKS
	FAIRWAY
	1

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	343					
Chloride	71					
Nitrate (NO ₃ -N)	5.4					
Bicarbonate	66.76					

Sulfur	28.94					
Phosphorus	1.58					
Calcium	38.24	1.91	30.72			
Magnesium	7.70	0.63	10.20			
Potassium	40.48	1.04	16.67			
Sodium	60.58	2.63	42.41			
TOTAL		6.21	100			

Boron	0.31
Iron	8.53
Manganese	0.15
Copper	0.09
Zinc	0.05
Aluminum	10.25
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	2.14
SAR (calculated)	2.34

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0039
Description	LAKES FAIRWAY 1

pH	7.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	367					
Chloride	55					
Nitrate (NO ₃ -N)	13.1					
Bicarbonate	61.38					

Sulfur	33.13					
Phosphorus	1.55					
Calcium	42.00	2.10	32.54			
Magnesium	7.53	0.62	9.62			
Potassium	40.96	1.05	16.27			
Sodium	61.57	2.68	41.57			
TOTAL		6.44	100			

Boron	0.27
Iron	3.21
Manganese	0.07
Copper	0.10
Zinc	0.04
Aluminum	3.16
Ammonium (NH ₄ -N)	0.9

ESP (calculated)	2.08
SAR (calculated)	2.30

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0040
Description	OAKS GREEN 1

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	644					
Chloride	35					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	67.21					

Sulfur	148.33					
Phosphorus	2.85					
Calcium	89.22	4.45	37.85			
Magnesium	13.91	1.14	9.73			
Potassium	89.85	2.30	19.54			
Sodium	88.96	3.87	32.89			
TOTAL		11.76	100			

Boron	0.38
Iron	0.82
Manganese	0.06
Copper	0.06
Zinc	0.02
Aluminum	0.85
Ammonium (NH ₄ -N)	0.5

ESP (calculated)	2.11
SAR (calculated)	2.31

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0041
Description	LAKES GREEN 1

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	601					
Chloride	27					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	45.94					

Sulfur	155.68					
Phosphorus	2.44					
Calcium	100.07	4.99	44.34			
Magnesium	14.24	1.17	10.40			
Potassium	57.69	1.48	13.10			
Sodium	83.27	3.62	32.15			
TOTAL		11.26	100			

Boron	0.34
Iron	0.69
Manganese	0.05
Copper	0.04
Zinc	0.01
Aluminum	0.75
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	1.75
SAR (calculated)	2.06

* Soluble Salts: mmhos/cm = ppm / 640