

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665
Date Received: 9/18/2017
Date Reported: 9/20/2017

Submitted By: Soil and Water Consulting

Lab Number 0122
Description THE SIX PLUS

pH 7.7

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	999					
Chloride	134					
Nitrate (NO3-N)	7.6					
Bicarbonate	280.65					

Sulfur	106.22					
Phosphorus	0.33					
Calcium	153.62	7.67	44.11			
Magnesium	29.90	2.46	14.15			
Potassium	76.20	1.95	11.21			
Sodium	122.02	5.31	30.53			
TOTAL		17.38	100			

Boron	0.25					
Iron	0.06					
Manganese	0.14					
Copper	0.11					
Zinc	< 0.01					
Aluminum	0.17					
Ammonium (NH4-N)	6.6					

ESP (calculated)	2.17					
SAR (calculated)	2.36					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0123
Description	THE STADIUM

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	924					
Chloride	137					
Nitrate (NO ₃ -N)	5.7					
Bicarbonate	256.24					

Sulfur	88.79					
Phosphorus	1.43					
Calcium	114.23	5.70	38.82			
Magnesium	23.06	1.90	12.91			
Potassium	70.12	1.79	12.21			
Sodium	121.79	5.30	36.06			
TOTAL		14.68	100			

Boron	0.37
Iron	0.19
Manganese	0.12
Copper	0.07
Zinc	< 0.01
Aluminum	0.23
Ammonium (NH ₄ -N)	12.6

ESP (calculated)	2.67
SAR (calculated)	2.72

* Soluble Salts: mmhos/cm = ppm / 640

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File Number: 76665
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Submitted By: Soil and Water Consulting

Lab Number	0124
Description	9-13

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1065					
Chloride	157					
Nitrate (NO ₃ -N)	3.3					
Bicarbonate	307.49					

Sulfur	124.32					
Phosphorus	0.31					
Calcium	170.35	8.50	44.40			
Magnesium	32.80	2.70	14.09			
Potassium	41.15	1.05	5.50			
Sodium	158.57	6.89	36.01			
TOTAL		19.14	100			

Boron	0.31
Iron	0.08
Manganese	0.71
Copper	0.06
Zinc	< 0.01
Aluminum	0.23
Ammonium (NH ₄ -N)	1.6

ESP (calculated)	2.95
SAR (calculated)	2.91

* Soluble Salts: mmhos/cm = ppm / 640

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SATURATED SOIL ANALYSIS

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File Number: 76665

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Submitted By: Soil and Water Consulting

Lab Number	0125
Description	THE QUAD

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1773					
Chloride	295					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	300.17					

Sulfur	252.43					
Phosphorus	0.88					
Calcium	271.41	13.54	38.72			
Magnesium	83.14	6.84	19.55			
Potassium	20.32	0.52	1.49			
Sodium	323.85	14.08	40.25			
TOTAL		34.98	100			

Boron	0.37
Iron	0.14
Manganese	1.93
Copper	0.06
Zinc	< 0.01
Aluminum	0.28
Ammonium (NH ₄ -N)	1.9

ESP (calculated)	4.98
SAR (calculated)	4.41

* Soluble Salts: mmhos/cm = ppm / 640