

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665
Date Received: 9/16/2016
Date Reported: 9/21/2016

Submitted By: Soil and Water Consulting

Lab Number	0185
Description	ORIGINAL FIELD MIX

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	733					
Chloride	195					
Nitrate (NO ₃ -N)	8.8					
Bicarbonate	70.77					

Sulfur	71.60					
Phosphorus	0.07					
Calcium	105.43	5.26	41.94			
Magnesium	18.39	1.51	12.06			
Potassium	32.50	0.83	6.63			
Sodium	113.60	4.94	39.38			
TOTAL		12.54	100			

Boron	0.15
Iron	0.33
Manganese	0.02
Copper	< 0.01
Zinc	< 0.01
Aluminum	0.71
Ammonium (NH ₄ -N)	1.0

ESP (calculated)	2.63
SAR (calculated)	2.68

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0186
Description	LANDSCAPE

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	915					
Chloride	214					
Nitrate (NO3-N)	4.0					
Bicarbonate	151.30					

Sulfur	81.96					
Phosphorus	1.20					
Calcium	111.51	5.56	33.99			
Magnesium	35.42	2.91	17.79			
Potassium	9.02	0.23	1.41			
Sodium	176.29	7.66	46.81			
TOTAL		16.37	100			

Boron	0.26
Iron	1.01
Manganese	0.02
Copper	0.06
Zinc	< 0.01
Aluminum	1.58
Ammonium (NH4-N)	< 0.5

ESP (calculated)	4.06
SAR (calculated)	3.72

* Soluble Salts: mmhos/cm = ppm / 640