

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665
 Date Received: 6/11/2018
 Date Reported: 6/13/2018

Submitted By: Soil and Water Consulting

Lab Number	0002			0003			
Description	FIELD 9-13			FIELD THE QUAD			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1116			1086			
Chloride	175			194			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	322.13			297.73			
Sulfur	132.80			142.16			
Phosphorus	0.41			0.59			
Calcium	171.29	8.55	40.18	155.48	7.76	37.37	
Magnesium	36.17	2.97	13.98	40.00	3.29	15.84	
Potassium	46.03	1.18	5.53	16.15	0.41	1.99	
Sodium	197.19	8.57	40.30	213.92	9.30	44.80	
TOTAL		21.27	100		20.76	100	
Boron	0.37			0.36			
Iron	0.81			1.53			
Manganese	2.23			2.69			
Copper	0.07			0.05			
Zinc	0.02			0.02			
Aluminum	0.95			1.49			
Ammonium (NH4-N)	12.6			1.1			
ESP (calculated)	3.85			4.38			
SAR (calculated)	3.57			3.96			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0004			0005			
Description	FIELD			FIELD			
	THE			THE SIX			
	STADIUM			PLUS			
pH	8.1			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1758			883			
Chloride	258			147			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	280.65			251.36			
Sulfur	284.55			98.54			
Phosphorus	1.34			0.66			
Calcium	305.74	15.26	42.77	103.25	5.15	34.06	
Magnesium	65.36	5.37	15.07	22.83	1.88	12.41	
Potassium	112.33	2.87	8.05	58.33	1.49	9.86	
Sodium	279.81	12.17	34.11	151.89	6.60	43.66	
TOTAL		35.67	100		15.13	100	
Boron	0.58			0.26			
Iron	0.90			1.26			
Manganese	0.71			0.38			
Copper	0.09			0.06			
Zinc	0.02			0.02			
Aluminum	0.89			1.29			
Ammonium (NH4-N)	11.5			15.3			
ESP (calculated)	4.15			3.79			
SAR (calculated)	3.79			3.52			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0006
Description	FIELD HOUSE
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pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	2389					
Chloride	342					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	266.00					

Sulfur	498.65					
Phosphorus	0.62					
Calcium	499.33	24.92	45.46			
Magnesium	146.71	12.07	22.01			
Potassium	24.92	0.64	1.16			
Sodium	395.40	17.19	31.36			
TOTAL		54.81	100			

Boron	0.66					
Iron	1.88					
Manganese	2.45					
Copper	0.10					
Zinc	0.04					
Aluminum	2.32					
Ammonium (NH ₄ -N)	5.8					

ESP (calculated)	4.43					
SAR (calculated)	4.00					

* Soluble Salts: mmhos/cm = ppm / 640