

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665

Date Received: 6/28/2019

Date Reported: 7/2/2019

Submitted By: Soil and Water Consulting

Lab Number	0033			0034			
Description	FIELD 9-13			FIELD THE QUAD			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1178			1772			
Chloride	159			210			
Nitrate (NO3-N)	38.1			87.2			
Bicarbonate	192.79			185.47			
Sulfur	157.12			261.36			
Phosphorus	0.55			1.22			
Calcium	199.72	9.97	43.77	320.01	15.97	45.89	
Magnesium	38.64	3.18	13.96	69.32	5.70	16.38	
Potassium	56.86	1.45	6.39	47.73	1.22	3.51	
Sodium	187.90	8.17	35.88	273.90	11.91	34.22	
TOTAL		22.77	100		34.80	100	
Boron	0.37			0.56			
Iron	0.65			0.87			
Manganese	0.05			0.06			
Copper	0.03			0.04			
Zinc	0.02			0.03			
Aluminum	0.84			1.04			
Ammonium (NH4-N)	2.3			2.8			
ESP (calculated)	3.33			3.92			
SAR (calculated)	3.19			3.62			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0035			0036			
Description	FIELD			FIELD			
	THE			THE SIX			
	STADIUM			PLUS			
pH	7.9			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1622			1184			
Chloride	160			113			
Nitrate (NO3-N)	129.6			84.5			
Bicarbonate	104.94			239.16			
Sulfur	193.99			108.87			
Phosphorus	1.06			0.73			
Calcium	333.01	16.62	53.39	209.11	10.43	47.52	
Magnesium	53.61	4.41	14.17	35.95	2.96	13.46	
Potassium	82.97	2.12	6.82	80.75	2.07	9.40	
Sodium	183.45	7.98	25.63	149.60	6.50	29.62	
TOTAL		31.12	100		21.96	100	
Boron	0.41			0.30			
Iron	0.26			0.77			
Manganese	0.02			0.06			
Copper	0.02			0.04			
Zinc	0.02			0.02			
Aluminum	0.40			0.92			
Ammonium (NH4-N)	1.2			3.5			
ESP (calculated)	2.31			2.39			
SAR (calculated)	2.46			2.51			

* Soluble Salts: mmhos/cm = ppm / 640