

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665
Date Received: 3/19/2018
Date Reported: 3/21/2018

Submitted By: Soil and Water Consulting

Lab Number	0015
Description	9-13

pH	7.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1243					
Chloride	133					
Nitrate (NO ₃ -N)	9.5					
Bicarbonate	258.68					

Sulfur	176.10					
Phosphorus	0.98					
Calcium	221.29	11.04	45.59			
Magnesium	49.26	4.05	16.72			
Potassium	62.47	1.60	6.60			
Sodium	173.22	7.53	31.09			
TOTAL		24.22	100			

Boron	0.43
Iron	0.50
Manganese	0.15
Copper	0.07
Zinc	0.01
Aluminum	0.49
Ammonium (NH ₄ -N)	2.7

ESP (calculated)	2.71
SAR (calculated)	2.74

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0016
Description	THE QUAD
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pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1074					
Chloride	120					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	224.52					
Sulfur	167.26					
Phosphorus	1.69					
Calcium	151.74	7.57	35.49			
Magnesium	40.99	3.37	15.80			
Potassium	20.91	0.53	2.51			
Sodium	226.66	9.85	46.20			
TOTAL		21.33	100			
Boron	0.47					
Iron	0.93					
Manganese	0.39					
Copper	0.06					
Zinc	0.01					
Aluminum	1.00					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	4.72					
SAR (calculated)	4.21					

* Soluble Salts: mmhos/cm = ppm / 640

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SATURATED SOIL ANALYSIS

Silver Lakes Sports Complex

File Number: 76665

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Submitted By: Soil and Water Consulting

Lab Number 0017
Description THE SIX PLUS
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pH 7.8

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	987					
Chloride	80					
Nitrate (NO ₃ -N)	0.8					
Bicarbonate	229.40					
Sulfur	170.20					
Phosphorus	0.72					
Calcium	159.45	7.96	44.36			
Magnesium	34.38	2.83	15.76			
Potassium	78.67	2.01	11.22			
Sodium	118.22	5.14	28.66			
TOTAL		17.94	100			
Boron	0.28					
Iron	0.33					
Manganese	0.08					
Copper	0.05					
Zinc	0.01					
Aluminum	0.28					
Ammonium (NH ₄ -N)	1.6					
ESP (calculated)	1.97					
SAR (calculated)	2.21					

* Soluble Salts: mmhos/cm = ppm / 640

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SATURATED SOIL ANALYSIS

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Lab Number	0018
Description	THE STADIUM

pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1279					
Chloride	136					
Nitrate (NO ₃ -N)	11.6					
Bicarbonate	236.72					
Sulfur	214.10					
Phosphorus	2.77					
Calcium	233.67	11.66	45.17			
Magnesium	49.21	4.05	15.68			
Potassium	99.71	2.55	9.88			
Sodium	173.80	7.56	29.27			
TOTAL		25.81	100			
Boron	0.47					
Iron	0.63					
Manganese	0.13					
Copper	0.07					
Zinc	0.01					
Aluminum	0.65					
Ammonium (NH ₄ -N)	2.3					
ESP (calculated)	2.65					
SAR (calculated)	2.70					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0019
Description	FIELD HOUSE
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pH	7.8
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	2176					
Chloride	168					
Nitrate (NO ₃ -N)	87.1					
Bicarbonate	253.80					
Sulfur	405.34					
Phosphorus	1.41					
Calcium	410.66	20.49	53.62			
Magnesium	104.43	8.59	22.47			
Potassium	18.82	0.48	1.26			
Sodium	199.12	8.66	22.65			
TOTAL		38.22	100			
Boron	0.61					
Iron	0.33					
Manganese	0.08					
Copper	0.07					
Zinc	0.01					
Aluminum	0.32					
Ammonium (NH ₄ -N)	4.7					
ESP (calculated)	2.05					
SAR (calculated)	2.27					

* Soluble Salts: mmhos/cm = ppm / 640