

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

East Orange Golf Course
Milburn, NJ

File Number: 73847
Date Received: 10/28/2019
Date Reported: 10/30/2019

Submitted By: Soil and Water Consulting

Lab Number	0060			0061			
Description	TEE			TEE			
	5			14			
pH	8.0			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	266			316			
Chloride	43			51			
Nitrate (NO ₃ -N)	< 0.5			4.9			
Bicarbonate	90.18			50.35			
Sulfur	18.55			37.96			
Phosphorus	0.75			0.62			
Calcium	27.79	1.39	33.32	49.28	2.46	46.95	
Magnesium	11.79	0.97	23.29	16.04	1.32	25.18	
Potassium	51.43	1.32	31.60	37.58	0.96	18.35	
Sodium	11.29	0.49	11.79	11.48	0.50	9.53	
TOTAL		4.16	100		5.24	100	
Boron	0.03			0.05			
Iron	4.33			2.39			
Manganese	0.22			0.04			
Copper	0.05			0.04			
Zinc	0.03			0.02			
Aluminum	3.15			2.65			
Ammonium (NH ₄ -N)	3.3			1.0			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.45			0.36			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

East Orange Golf Course
Milburn, NJ

File Number: 73847
Date Received: 10/28/2019
Date Reported: 10/30/2019

Submitted By: Soil and Water Consulting

Lab Number	0062			0063			
Description	FAIRWAY			FAIRWAY			
	5			14			
pH	7.6			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	227			285			
Chloride	52			59			
Nitrate (NO3-N)	1.2			5.5			
Bicarbonate	47.05			50.65			
Sulfur	22.02			26.57			
Phosphorus	0.25			0.23			
Calcium	43.05	2.15	54.29	52.62	2.63	54.39	
Magnesium	12.71	1.05	26.42	15.88	1.31	27.04	
Potassium	8.18	0.21	5.28	7.26	0.19	3.84	
Sodium	12.74	0.55	14.00	16.35	0.71	14.73	
TOTAL		3.96	100		4.83	100	
Boron	0.03			0.04			
Iron	1.33			1.09			
Manganese	0.07			0.05			
Copper	0.04			0.02			
Zinc	0.02			0.01			
Aluminum	2.46			1.79			
Ammonium (NH4-N)	0.9			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.44			0.51			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

East Orange Golf Course
Milburn, NJ

File Number: 73847
Date Received: 10/28/2019
Date Reported: 10/30/2019

Submitted By: Soil and Water Consulting

Lab Number	0064			0065			
Description	GREEN			GREEN			
	5			14			
pH	7.8			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	230			289			
Chloride	34			36			
Nitrate (NO3-N)	< 0.5			4.1			
Bicarbonate	61.57			62.14			
Sulfur	24.86			31.37			
Phosphorus	0.73			0.76			
Calcium	33.88	1.69	44.79	41.27	2.06	45.41	
Magnesium	9.36	0.77	20.38	12.27	1.01	22.26	
Potassium	34.78	0.89	23.57	40.37	1.03	22.77	
Sodium	9.78	0.43	11.26	9.98	0.43	9.57	
TOTAL		3.77	100		4.53	100	
Boron	0.07			0.06			
Iron	1.81			1.14			
Manganese	0.08			0.04			
Copper	0.07			0.06			
Zinc	0.04			0.03			
Aluminum	2.95			2.14			
Ammonium (NH4-N)	< 0.5			1.1			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.38			0.35			

* Soluble Salts: mmhos/cm = ppm / 640