

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Downingtown Country Club
93 Country Club Road
Downingtown, PA 19335

File Number: 74198
Date Received: 5/15/2023
Date Reported: 5/17/2023

Submitted By: Soil and Water Consulting

Lab Number	0021			0022			
Description	TEE			TEE			
	7			8			
pH	7.1			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	246			156			
Chloride	43			20			
Nitrate (NO ₃ -N)	14.7			< 0.5			
Bicarbonate	32.65			62.51			
Sulfur	7.66			6.64			
Phosphorus	5.47			0.52			
Calcium	26.09	1.30	36.54	19.53	0.97	40.08	
Magnesium	7.92	0.65	18.28	4.67	0.38	15.80	
Potassium	31.81	0.81	22.84	20.81	0.53	21.90	
Sodium	18.31	0.80	22.35	12.42	0.54	22.22	
TOTAL		3.56	100		2.43	100	
Boron	0.06			0.02			
Iron	2.58			3.10			
Manganese	0.04			0.11			
Copper	0.10			0.07			
Zinc	0.04			0.03			
Aluminum	6.78			4.43			
Ammonium (NH ₄ -N)	2.2			0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.81			0.66			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0023			0024			
Description	FAIRWAY			FAIRWAY			
	7			8			
pH	7.7			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	214			158			
Chloride	44			31			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	69.63			52.36			
Sulfur	9.03			5.46			
Phosphorus	0.39			0.35			
Calcium	23.87	1.19	35.11	17.11	0.85	34.44	
Magnesium	7.20	0.59	17.46	5.35	0.44	17.73	
Potassium	13.21	0.34	9.96	12.34	0.32	12.73	
Sodium	29.24	1.27	37.47	20.01	0.87	35.09	
TOTAL		3.39	100		2.48	100	
Boron	0.02			0.02			
Iron	5.39			3.23			
Manganese	0.14			0.05			
Copper	0.05			0.06			
Zinc	0.03			0.02			
Aluminum	7.50			4.63			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	0.72			0.33			
SAR (calculated)	1.35			1.08			

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Lab Number	0025			0026			
Description	GREEN			GREEN			
	7			8			
pH	7.8			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	326			466			
Chloride	14			13			
Nitrate (NO3-N)	2.6			0.7			
Bicarbonate	70.55			55.15			
Sulfur	51.28			101.61			
Phosphorus	0.33			0.47			
Calcium	47.48	2.37	43.93	73.45	3.66	47.09	
Magnesium	12.97	1.07	19.78	16.67	1.37	17.62	
Potassium	44.36	1.13	21.04	64.65	1.65	21.24	
Sodium	18.92	0.82	15.25	25.16	1.09	14.05	
TOTAL		5.39	100		7.78	100	
Boron	0.03			0.03			
Iron	1.81			1.62			
Manganese	0.04			0.05			
Copper	0.04			0.04			
Zinc	0.03			0.04			
Aluminum	2.63			2.36			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.63			0.69			

* Soluble Salts: mmhos/cm = ppm / 640