

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Downingtown Country Club
93 Country Club Road
Downingtown, PA 19335

File Number: 74198
Date Received: 5/17/2021
Date Reported: 5/19/2021

Submitted By: Soil and Water Consulting

Lab Number	0056			0057			
Description	TEE			TEE			
	5			14			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	316			778			
Chloride	37			118			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	107.33			122.29			
Sulfur	34.87			156.81			
Phosphorus	0.80			0.63			
Calcium	58.50	2.92	49.25	155.88	7.78	50.40	
Magnesium	14.62	1.20	20.28	33.95	2.79	18.09	
Potassium	40.75	1.04	17.58	42.14	1.08	6.98	
Sodium	17.58	0.76	12.89	87.05	3.78	24.52	
TOTAL		5.93	100		15.43	100	
Boron	0.01			0.04			
Iron	1.30			0.74			
Manganese	0.26			0.49			
Copper	0.04			0.02			
Zinc	0.02			0.02			
Aluminum	1.99			1.09			
Ammonium (NH4-N)	2.4			1.7			
ESP (calculated)	< .01			1.15			
SAR (calculated)	0.53			1.65			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0058			0059			
Description	FAIRWAY			FAIRWAY			
	5			14			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	269			200			
Chloride	39			32			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	110.62			77.64			
Sulfur	25.51			13.82			
Phosphorus	0.21			0.29			
Calcium	38.66	1.93	43.22	25.45	1.27	38.12	
Magnesium	11.29	0.93	20.80	8.21	0.68	20.27	
Potassium	17.56	0.45	10.06	10.01	0.26	7.68	
Sodium	26.61	1.16	25.92	26.00	1.13	33.93	
TOTAL		4.46	100		3.33	100	
Boron	0.01			0.01			
Iron	1.77			3.10			
Manganese	0.12			0.10			
Copper	0.04			< 0.01			
Zinc	0.02			0.03			
Aluminum	3.03			4.23			
Ammonium (NH4-N)	0.7			0.7			
ESP (calculated)	0.17			0.43			
SAR (calculated)	0.97			1.15			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0060			0061			
Description	GREEN			GREEN			
	5			14			
pH	7.8			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	497			508			
Chloride	26			34			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	59.39			68.91			
Sulfur	112.90			106.68			
Phosphorus	0.29			0.21			
Calcium	77.99	3.89	44.30	69.51	3.47	37.45	
Magnesium	24.21	1.99	22.66	17.64	1.45	15.66	
Potassium	64.92	1.66	18.90	78.41	2.01	21.65	
Sodium	28.60	1.24	14.15	53.78	2.34	25.24	
TOTAL		8.79	100		9.26	100	
Boron	0.03			0.02			
Iron	0.85			1.13			
Manganese	0.12			0.09			
Copper	< 0.01			< 0.01			
Zinc	0.03			0.03			
Aluminum	1.56			1.86			
Ammonium (NH ₄ -N)	1.0			1.1			
ESP (calculated)	< .01			0.93			
SAR (calculated)	0.72			1.49			

* Soluble Salts: mmhos/cm = ppm / 640