

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

51324-65

Name Las Vegas Country Club City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 4/23/2024

Sample Location	TEE	9	18			
Sample Identification						
Lab Number		0462-1	0463-1			
Total Exchange Capacity (ME/100 g)		15.01	14.90			
pH (H ₂ O 1:1)		a 8.0	a 8.3			
Organic Matter (360°C LOI) %		1.92	2.85			
Estimated Nitrogen Release	lb/A	58	77			
ANIONS	SOLUBLE SULFUR*	ppm	231	74		
	PHOSPHORUS					
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P				
	BRAY II	lb/A P as P ₂ O ₅ ppm of P				
EXCHANGEABLE CATIONS	OLSEN	lb/A P as P ₂ O ₅ ppm of P	165 36	110 24		
	CALCIUM*	lb/A ppm	4036 2018	3806 1903		
	MAGNESIUM*	lb/A ppm	780 390	804 402		
	POTASSIUM*	lb/A ppm	654 327	946 473		
	SODIUM*	lb/A ppm	146 73	166 83		
BASE SATURATION PERCENT						
	Calcium	%	67.22	63.86		
	Magnesium	%	21.65	22.48		
	Potassium	%	5.59	8.14		
	Sodium	%	2.11	2.42		
	Other Bases	%	3.40	3.10		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.36	1.10		
	Iron** (ppm)		152	92		
	Manganese** (ppm)		28	37		
	Copper** (ppm)		4.33	4.35		
	Zinc** (ppm)		12.97	10.69		
	Aluminum** (ppm)		131	68		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		12.2	7.3		
	NH4-N (ppm)		36.4	136.5		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location	FAIRWAY	9	18			
Sample Identification						
Lab Number		0464-1	0465-1			
Total Exchange Capacity (ME/100 g)		33.91	48.27			
pH (H ₂ O 1:1)		a 7.6	a 7.7			
Organic Matter (360°C LOI) %		3.44	5.57			
Estimated Nitrogen Release lb/A		84	103			
ANIONS	SOLUBLE SULFUR*	ppm	3258	4898		
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P				
	BRAY II	lb/A P as P ₂ O ₅ ppm of P				
	OLSEN	lb/A P as P ₂ O ₅ ppm of P	202 44	234 51		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	11302 5651	16108 8054		
	MAGNESIUM*	lb/A ppm	894 447	1254 627		
	POTASSIUM*	lb/A ppm	330 165	526 263		
	SODIUM*	lb/A ppm	100 50	144 72		
BASE SATURATION PERCENT						
	Calcium	%	83.32	83.43		
	Magnesium	%	10.98	10.82		
	Potassium	%	1.25	1.40		
	Sodium	%	0.64	0.65		
	Other Bases	%	3.80	3.70		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.34	2.45		
	Iron** (ppm)		86	142		
	Manganese** (ppm)		16	19		
	Copper** (ppm)		5.13	6.44		
	Zinc** (ppm)		23.91	46.49		
	Aluminum** (ppm)		6	25		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		33.9	49.9		
	NH4-N (ppm)		1.4	73.6		

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Name Las Vegas Country Club City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 4/23/2024

Sample Location	GREEN	9	18			
Sample Identification						
Lab Number		0466-1	0467-1			
Total Exchange Capacity (ME/100 g)		10.67	10.17			
pH (H ₂ O 1:1)		a 8.5	a 8.4			
Organic Matter (360°C LOI) %		1.12	1.05			
Estimated Nitrogen Release lb/A		42	41			
ANIONS	SOLUBLE SULFUR*	ppm	228	123		
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P				
	BRAY II	lb/A P as P ₂ O ₅ ppm of P				
	OLSEN	lb/A P as P ₂ O ₅ ppm of P	490 107	453 99		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3294 1647	3152 1576		
	MAGNESIUM*	lb/A ppm	406 203	378 189		
	POTASSIUM*	lb/A ppm	216 108	198 99		
	SODIUM*	lb/A ppm	70 35	70 35		
BASE SATURATION PERCENT						
	Calcium	%	77.18	77.48		
	Magnesium	%	15.85	15.49		
	Potassium	%	2.60	2.50		
	Sodium	%	1.43	1.50		
	Other Bases	%	2.90	3.00		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.21	1.08		
	Iron** (ppm)		91	89		
	Manganese** (ppm)		94	55		
	Copper** (ppm)		2.83	3.21		
	Zinc** (ppm)		16.94	11.95		
	Aluminum** (ppm)		6	9		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		2.5	4.8		
	NH ₄ -N (ppm)		2.3	36.5		

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