

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

91698-1

Name Anaheim Hills Golf Course City Anaheim State CAIndependent Consultant Soil and Water Consulting Date 3/28/2024

Sample Location	TEE	4	8	16		
Sample Identification						
Lab Number		1417-1	1418-1	1419-1		
Total Exchange Capacity (ME/100 g)		11.30	10.76	14.02		
pH (H ₂ O 1:1)		7.2	7.2	7.3		
Organic Matter (360°C LOI) %		4.54	4.10	7.47		
Estimated Nitrogen Release	lb/A	95	91	112		
ANIONS	SOLUBLE SULFUR*	ppm	63	96	18	
	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	234 51	302 66	197 43	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3376 1688	3210 1605	3990 1995	
	MAGNESIUM*	lb/A ppm	430 215	402 201	658 329	
	POTASSIUM*	lb/A ppm	166 83	152 76	258 129	
	SODIUM*	lb/A ppm	174 87	190 95	182 91	
BASE SATURATION PERCENT						
	Calcium	%	74.69	74.58	71.15	
	Magnesium	%	15.86	15.57	19.56	
	Potassium	%	1.88	1.81	2.36	
	Sodium	%	3.35	3.84	2.82	
	Other Bases	%	4.20	4.20	4.10	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		1.09	1.20	1.37	
	Iron** (ppm)		456	534	494	
	Manganese** (ppm)		17	27	11	
	Copper** (ppm)		2.60	1.33	2.64	
	Zinc** (ppm)		12.84	16.32	13.85	
	Aluminum** (ppm)		226	325	257	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		14.7	5.8	6.2	
	NH ₄ -N (ppm)		6.9	6.4	2.5	

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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SOIL AUDIT AND INVENTORY REPORT

91698-1

Name Anaheim Hills Golf Course City Anaheim State CAIndependent Consultant Soil and Water Consulting Date 3/28/2024

Sample Location	GREEN	4	8	16		
Sample Identification						
Lab Number		1420-1	1421-1	1422-1		
Total Exchange Capacity (ME/100 g)		5.54	4.80	3.57		
pH (H ₂ O 1:1)		a 7.4	7.2	a 7.6		
Organic Matter (360°C LOI) %		1.71	1.67	0.77		
Estimated Nitrogen Release lb/A		54	53	31		
ANIONS	SOLUBLE SULFUR*	ppm	15	10	7	
	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	23 5	41 9	27 6	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1656 828	1430 715	1052 526	
	MAGNESIUM*	lb/A ppm	232 116	206 103	162 81	
	POTASSIUM*	lb/A ppm	56 28	42 21	32 16	
	SODIUM*	lb/A ppm	66 33	52 26	40 20	
BASE SATURATION PERCENT						
	Calcium	%	74.73	74.48	73.67	
	Magnesium	%	17.45	17.88	18.91	
	Potassium	%	1.30	1.12	1.15	
	Sodium	%	2.59	2.36	2.44	
	Other Bases	%	4.00	4.20	3.80	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		0.79	0.63	0.45	
	Iron** (ppm)		259	216	144	
	Manganese** (ppm)		71	39	8	
	Copper** (ppm)		2.32	2.04	0.25	
	Zinc** (ppm)		14.95	10.33	1.18	
	Aluminum** (ppm)		85	74	84	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		3.1	3.1	0.8	
	NH ₄ -N (ppm)		1.2	2.1	1.1	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable