

SOILSCAPE SOLUTIONS
1680 Samoa Blvd.
Arcata, CA 95521
(707) 273-8758

MEDIA REPORT

Print Date March 6, 2020

Sample ID ANA2020-104 Sequoia Soils

Requester

graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA

*** high, ***** very high

extractable - mg/kg soil	Sample ID Number	20-58-07	
Interpretation of data	Sample Description	Compost	
low medium high	elements		graphic
0 - 12 16 - 28 32 - 44	phosphorus	124.82	*****
0-240 240-500 500-700	potassium	2,137.43	*****
0- 12 12- 20 over 20	iron	71.75	*****
0 - 2 3 - 4 over 5	manganese	35.43	****
0 - 4 4 - 6 over 6	zinc	34.07	****
0- 0.5 0.6 - 1 over 1	copper	6.05	*****
0 - 1 1 - 2 over 2	boron	3.58	****
	calcium	4,900.26	*****
	magnesium	958.58	*****
	sodium	245.20	**
	sulfur	178.52	**
	molybdenum	0.40	***
	nickel	1.88	*
The following trace elements may be toxic	aluminum	19.61	*****
The degree of toxicity depends upon the pH of the soil, soil texture, organic matter, and the concentrations of the individual elements as well as to their interactions.	arsenic	nd	*
	barium	8.07	*
	cadmium	nd	*
	chromium	nd	*
	cobalt	0.48	*
	lead	4.34	**
	lithium	1.67	*
	mercury	nd	*
	selenium	nd	*
	silver	nd	*
The pH optimum depends upon soil organic matter and soil content- under 5 may be too acidic 6 to 7 may be good over 8.0 is too alkaline	strontium	20.15	**
	tin	nd	*
	vanadium	1.39	*
	Saturation Extract		
The ECe is a measure of the media salinity:	pH value	7.39	***
good at 200 ppm	ECe (milli-mho/cm)	1.12	***
good at 25 ppm	calcium	18.5	0.9 millieq/l
	magnesium	8.3	0.7
	sodium	21.1	0.9
good at 25 ppm	ammonium as N	56.3	4.0
good at 150 ppm	potassium	128.9	3.3
	cation sum		9.9
problems over 150 ppm	chloride	57	1.6
good at 100 ppm	nitrate as N	58.6	4.2
good at 40 ppm	phosphorus as P	1.0	0.0
toxic over 800	sulfate as S	27.5	1.7
	anion sum		7.5
toxic over 1 for many plants	boron as B	0.44	***
increasing problems start at 3	SAR	1.0	*
est. gypsum requirement-lbs./cubic yard		14	
	relative infiltrate rate		fair
	lime (calcium carbonate)		no
	organic matter		good
	moisture content of media	171.0%	
	half saturation percentage	232.5%	

Compiled by a professional laboratory for Soilscape Solutions, LLC

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.

pH and ECe are measured in a saturation paste extract. nd means not detected.

Analytical data determined on soil fraction passing a 2 mm sieve.