SOILSCAPE SOLUTIONS
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MEDIA REPORT

Print Date February 27, 2021

Sample ID ANA2021-089
Requester Sequoia Soils

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

ammonium bicarbonate/DTPA

extractable - mg/kg soil Interpretation of data low medium high			graphic
	Sample ID Number	21-54-28	
	Sample Description	Compost, 2/10/21	
	elements		
0 - 12 16 - 28 32 - 44	**phosphorus**	83.93	*****
0-240 240-500 500-700	**potassium**	2,054.40	*****
0- 12 12- 20 over 20	**iron**	139.64	*****
0 - 2 3 - 4 over 5	**manganese**	49.19	*****
0 - 4 4 - 6 over 6	**zinc**	28.73	****
0- 0.5 0.6 - 1 over 1	**copper**	3.69	****
0 - 1 1 - 2 over 2	**boron**	1.94	***
	calcium	5,230.47	*****
	magnesium	860.68	*****
	sodium	196.20	*
	sulfur	48.75	*
	molybdenum	n d	*
	nickel	2.27	*
The following trace	**aluminum**	16.46	****
elements may be toxic	**arsenic**	n d	*
The degree of toxicity	**barium**	12.42	**
depends upon the pH of	**cadmium**	n d	*
the soil, soil texture,	**chromium**	n d	*
organic matter, and the	**cobalt**	0.46	*
concentrations of the	**lead**	2.55	*
individual elements as well	**lithium**	n d	*
as to their interactions.	**mercury**	n d	*
	selenium	n d	*
The pH optimum depends	**silver**	n d	*
upon soil organic	**strontium**	23.72	**
matter and soil content-	**tin**	n d	*
	vanadium	1.00	*
under 5 may be too acidic			
6 to 7 may be good	**Saturation Extract**		
over 8.0 is too alkaline	**pH value**	6.48	***
The ECe is a measure of	**ECe (milli-**	0.34	*
the media salinity:	**mho/cm)**		millieq/l
good at 200 ppm	**calcium**	18.5	0.9
good at 25 ppm	**magnesium**	6.4	0.5
	sodium	9.5	0.4
good at 25 ppm	**ammonium as N**	0.4	0.0
good at 150 ppm	**potassium**	74.8	1.9
	cation sum		3.8
problems over 150 ppm	**chloride**	33	0.9
good at 100 ppm	**nitrate as N**	6.5	0.5
good at 40 ppm	**phosphorus as P**	2.4	0.1
toxic over 800	**sulfate as S**	6.4	0.4
	anion sum		1.9
toxic over 1 for many plants	**boron as B**	0.33	**
increasing problems start at 3	**SAR**	0.5	*
est. gypsum requirement-lbs./cubic yard		12	
	relative infiltrate rate	fair/good	
	lime (calcium carbonate)	no	
	organic matter	good	
	moisture content of media	207.6%	
	half saturation percentage	294.2%	

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.