

## SAC Protocol and DEP Quarterly Analytical Testing

<b>Compost Composite Study</b>	<b>Method</b>
Total Nitrogen	351 and 353
Ammonia nitrogen	365
Nitrate nitrogen	3050/6010
Total Phosphorus (phosphate)	160.4
Dissolved phosphorus (water-soluble phosphate)	160.4
Potassium	9045
Calcium	3050/6010
Magnesium	3050/6010
Zinc	3050/6010
Copper	3050/6010
Nickel	3050/6010
Cadmium	3050/7471
Lead	3050/6010
Arsenic	3050/6010
Molybdenum	3050/6010
Selenium	3050/6010
Iron	3050/6010
Manganese	3050/6010
Dissolved Boron (water-soluble borate)	3050/6010
pH	9045
Antimony	3050/6010
Thallium	3050/6010
Chromium	3050/6010
Barium	3050/6010
Vanadium	3050/6010
Silver	3050/6010
Carbon-nitrogen ratio (1)	
Fecal coliform, MPN	SM 908 or SM 9221E or 9222D
Moisture	160.3
Reduction in organic matter*	160.4
Organic matter	160.4
Foreign matter	Per Sumter Co. Method
Mercury	7471
Total Potassium	365

(1) Carbon-nitrogen ration determined by analysis for total organic carbon divided by total nitrogen analysis result.

\*Reduction in organic matter determined through sample taken to dry weight, then the difference in dry weight before and after ashing sample in muffle furnace to constant weight is reported result.