

Organic Banana (Sample A):

Intensity: 1,125,115.37

Calculated Concentration: 5,077.88 ppb

Non-Organic Banana (Sample B):

Intensity: 869,418.62

Calculated Concentration: 3,908.07 ppb

In comparison to the non-organic banana sample (3,908.07 ppb), the organic banana sample showed a greater magnesium concentration (5,077.88 ppb).

Summary of AES Results:**Sodium (Na):**

Organic sample: 684.78 µg/g

Non-organic sample: 643.51 µg/g

The organic sample showed a slightly higher concentration of sodium compared to the non-organic sample.

Calcium (Ca):

Organic sample: 2,129.46 µg/g

Non-organic sample: 1,744.45 µg/g

The organic banana contained significantly more calcium than the non-organic banana.

Magnesium (Mg):

Organic sample: 1,269.47 µg/g

Non-organic sample: 977.02 µg/g

The organic banana sample had a higher magnesium concentration than the non-organic sample.