

Proposed Changes to Method 310
Determination of Volatile Organic Compounds (VOC) in Consumer Products
and Reactive Organic Compounds in Aerosol Coating Products
(all new language)

3.3.7 For low level VOC content samples, direct determination using US EPA Reference Method 18, US EPA Method 8240B, US EPA Method 8260B, ASTM D 859-00, NIOSH Method 1400.

4.3 Consumer products subject to low VOC limits (below 5.0%) may have their VOC content characterized by a low level direct determination.

4.3.1 For aerosol products the percent VOC content shall be calculated using the following equation:

$$\% \text{ VOC} = \frac{WL \left[\sum V_n \right] + WP - EP}{WL + WP} \times 100$$

Where:

V = weight fraction of volatile compounds in the non-propellant portion.

n = number of volatile compounds in the non-propellant portion.

WL = weight (gm) of the non-propellant portion, excluding container and packaging.

WP = weight (gm) of propellant.

EP = weight (gm) of exempt compounds in propellant.

4.3.2 For non-aerosol products the percent VOC content shall be calculated using the following equation:

$$\% \text{ VOC} = \left[\sum V_n \right] \times 100$$