

Appendix B

Proposed Amendments to Method 310: Determination of Volatile Organic Compounds in Consumer Products and Reactive Organic Compounds in Aerosol Coating Products

Adopted: September 25, 1997

Amended: September 3, 1999

Amended: July 18, 2001

Amended: May 5, 2005

Amended: August 6, 2010

Amended: [Date of Amendment]

Proposed Amendments to Method 310

(Note: Proposed amendments are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions)

No amendments are proposed to section 1: Applicability.

Amend section 2 to read as follows:

No amendments are proposed to subsections 2.1 - 2.19. The following new subsections are proposed for addition:

- 2.20 ASTM D 3257-06: Standard Test Methods for Aromatics in Mineral Spirits by Gas Chromatography (April 1, 2006)
- 2.21 ASTM D 3606-07: Standard Test Method for Determination of Benzene and Toluene in Finished Motor and Aviation Gasoline by Gas Chromatography (Nov. 1, 2007)
- 2.22 ASTM D 3710-95 (Reapproved 2004): Standard Test Method for Boiling Range Distribution of Gasoline and Gasoline Fractions by Gas Chromatography (Nov. 1, 2004)
- 2.23 ASTM D 5443-04: Standard Test Method for Paraffin, Naphthene, and Aromatic Hydrocarbon Type Analysis in Petroleum Distillates Through 200°C by Multi-Dimensional Gas Chromatography (Nov. 1, 2004)
- 2.24 ASTM D 5580-02 (Reapproved in 2007): Standard Test Method for Determination of Benzene, Toluene, Ethylbenzene, p/m-Xylene, o-Xylene, C₉ and Heavier Aromatics, and Total Aromatics in Finished Gasoline by Gas Chromatography (Nov. 1, 2007)
- 2.25 ASTM E 1782-08: Standard Test Method for Determining Vapor Pressure by Thermal Analysis (March 1, 2008)
- 2.26 US EPA Method 602: Purgable Aromatics, 40 CFR Part 136 Appendix A, Method for Organic Chemical Analysis of Municipal and Industrial Wastewater (January 2008)
- 2.27 US EPA Method 625: Base/Neutrals and Acids, 40 CFR Part 136 Appendix A, Method for Organic Chemical Analysis of Municipal and Industrial Wastewater (January 2008)
- 2.28 US EPA SW-846 Method 8015B: Nonhalogenated Organics Using GC/FID (Rev 2, December 1996)

2.29 US EPA SW-846 Method 8020A: Aromatic Volatile Organics by Gas Chromatography (Rev 1, September 1994)

2.30 US EPA SW-846 Method 8270D: Semivolatile Organic Compounds by Gas Chromatography / Mass Spectroscopy (GC/MS) (Rev. 4, January 1998)

Amend Section 3: Consumer Products Testing Procedure, to read as follows:

No amendments are proposed to subsections 3.1 - 3.3.7. The following new subsection is proposed for addition:

3.3.8 For aromatic compound content determination, US EPA Method 602, US EPA SW-846 Method 8020A, US EPA SW-846 Modified Method 8015B, US EPA Method 625, US EPA Method SW-846 Method 8270D, ASTM D 5443-04, ASTM D 3257, ASTM D 3710-95, ASTM D3606-07, ASTM D 5580-02.

No amendments are proposed to sections 3.4 - 3.7.3.

Amend Section 4: Calculation of VOC Content to read as follows:

No amendments are proposed to sections 4.1-4.2.2. The following new subsection is proposed for addition:

4.2.3 For Fabric Softener – Single Use Dryer Product, the grams of VOC per sheet shall be calculated as follows:

$$\text{Total Grams VOC per Sheet} = \frac{S - R}{S} \times D$$

Where:

S = mass, in grams, of the dryer sheet sample.

R = mass, in grams, of sample residue by gravimetric analysis.

D = mass, in grams, of the single dryer sheet.

No amendments are proposed to sections 4.3-4.3.2.

No amendments are proposed to sections 5-7.