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**EMISSION MEASUREMENT CENTER**

**APPROVED ALTERNATIVE METHOD (ALT-014)**

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**Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations: Comment on Section 5.2.3 of Methods 306 and 306A of 40 CFR Part 63.**

**Introduction**

Section 5.2.3 of Methods 306 and 306A requires the liquid contents of Sample Container No. 1 to be filtered immediately after recovery from the sample train impingers if the sample is to be analyzed for hexavalent chromium by an ion chromatograph equipped with a post-column reactor. The necessity for this requirement when sampling emissions from electroplating and anodizing operations has been questioned, particularly since there is little opportunity to introduce particulate matter into these emissions.

**Discussion**

The subject requirement was originally specified for sources with appreciable solid particulate emissions, such as combustion operations. Since this situation would not be expected in the application specified for Method 306 and 306A, it is not necessary to perform Section 5.2.3 unless there is observable sediment in the impinger liquid.

If any further information on this topic is needed, contact Robin Segall, (919/541-0893) or Gene Riley (919/541-5239).

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Prepared by Bill Grimley, SCGB

**EMC ALT-014**

Emissions Monitoring and Analysis Division, OAQPS

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