Ethanolamines/Glycol Ethers
Tier 3 Procedure

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Title: Coulometric Water Machine Standardization
References: ASTM Test Method E 1064

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658 COULOMETRIC WATER MACHINE STANDARDIZATION

1.0 Objective:
1.1 To insure that the water machine is operating correctly and giving credible readings.

2.0 Responsibility:
2.1 It is the responsibility of the ? to ensure that this procedure is followed correctly.

3.0 Safety Notation:
3.1 The vessel and generator solutions contain 2-mexthoxyethanol, iodine, methanol, chloroform, sulfur dioxide, and benzoic acid. These solutions should be treated as toxic substances. The safety notations for running regular samples also apply to this procedure.

4.0 Special Notations:
4.1 It is important that no water enters the system except by way of the sample.

5.0 Procedure:
5.1 After machine startup, draw up 5 microliters of deionized water in a microliter syringe.

5.2 Place the syringe on an analytical balance and tare the balance.

5.3 Press [START/STOP], and inject the sample, taking care that all of the sample enters the vessel solution.

5.4 Place the syringe back on the balance to get the weight of the water.

5.5 When the machine beeps and indicates that it is ready, press [SAMPLE SIZE], enter the weight of the water in grams, and press [ENTER].

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5.6 The display should read very close to "100%". If not, repeat the procedure, making sure to follow each step carefully.

5.7 There may be a problem with the machine if it will not read near 100%.

6.0 Revisions:

Revision No. 1	12-29-95	Yearly Review

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