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Preparation and certification of **0.08 g/210L Simulator External Standard solution**

Batch number **05017**

Date: 5/23/2005

Preparation: 69.1 mL of absolute ethyl alcohol diluted to 54 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal 10	Anal 11	Anal 12
1	0.101	0.102	0.103	0.102	0.101	0.101	0.101	0.101	0.101	0.101	0.100	
2	0.101	0.102	0.103	0.102	0.100	0.101	0.101	0.101	0.101	0.101	0.101	
3	0.102	0.102	0.103	0.103	0.101	0.102	0.101	0.101	0.101	0.101	0.101	
4	0.101	0.102	0.102	0.102	0.101	0.102	0.102	0.100	0.101	0.100	0.101	
5	0.102	0.099	0.103	0.102	0.101	0.101	0.102	0.101	0.101	0.101	0.101	
Ctrl	0.099	0.100	0.100	0.100	0.098	0.098	0.100	0.098	0.099	0.099	0.099	

**External Control:**

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

**Statistics:**

Avg. solution concent.: 0.1013 g/100 mL

SD: 0.00082

Range (3xSD): 0.0988 to 0.1038

Precision CV (%): 0.8136 %

**Equivalent vapor concent.:** 0.0824 g/210L

Analyst	Name	Signature	Date
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9	Melissa Pemberton		06/03/2005
10	Ann Marie Gordon		06/03/2005
11	Kelly Gross		06/06/2005
12			

Prepared by: William P Marshall

according to the approved protocol

