

**Notice of Simulator Solution File Review**

At the request of the State Toxicologist a review of the following simulator solution records has been accomplished. The following file consists of simulator solution analyses performed and completed by the State Toxicology Laboratory for a specific batch number. The file contains the simulator solution data entry form along with a file review record and the chromatograms generated by the Toxicology Laboratory during the analyses of the solutions. This file has been reviewed by Tpr. Ken Denton and Mr. Rod Gullberg for accuracy and completeness. Where computations regarding simulator solution values have been found to be incorrect, the corrected values have been written in by Mr. Rod Gullberg along with initials and date. The corrected values were then evaluated to ensure that the solution still conformed to those standards established by the State Toxicologist.

Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear on their original affidavit along with a statement regarding their review of the results.

Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.

KL.D

10/15/2007

Tpr. Ken Denton

Date

RG

10-15-07

Rod G. Gullberg

Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / RON GULLBERG Date 10-9-07  
Location TOX LAB SEATTLE Batch Number 05021

Form Review Criteria

Preparation date precedes all analysis dates: Okay  Not Okay \_\_\_  
Data entry corresponds to all chromatograms: Okay  Not Okay \_\_\_  
All signatures present: Okay  Not Okay \_\_\_



Computations:

Avg. solution concentration: Correct  Not Correct \_\_\_  
Standard deviation: Correct  Not Correct \_\_\_  
Range: Correct  Not Correct \_\_\_  
Precision: Correct  Not Correct \_\_\_  
Equivalent vapor concent.: Correct  Not Correct \_\_\_  
External Control Information  
(lot # and future date): Correct  Not Correct \_\_\_

Complies with accuracy and precision requirements established by the State Toxicologist: Yes  No \_\_\_

Corrections Necessary:

Comments:

Reviewer Signature:  Date: 10-9-07  
Reviewer Signature:  Date: 10/9/2007

**WASHINGTON STATE TOXICOLOGY LABORATORY**  
**FORENSIC LABORATORY SERVICES BUREAU**  
 WASHINGTON STATE PATROL  
 2203 AIRPORT WAY S, SUITE 360  
 SEATTLE, WASHINGTON 98134-2027  
 (206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.15 g/210L Quality Assurance solution**

Batch number **05021**

Date: 5/24/2005

Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 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	0.187	0.187	0.187									
2	0.188	0.184	0.186									
3	0.187	0.186	0.186									
4	0.187	0.186	0.186									
5	0.188	0.187	0.186									
Ctrl	0.101	0.099	0.100									

**External Control:**

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

**Statistics:**


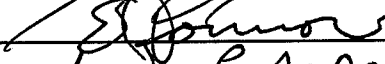
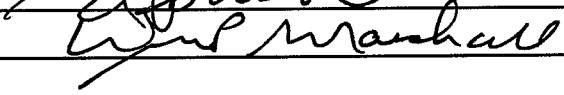
Avg. solution concent.: 0.1865 g/100 mL

SD: 0.00099

Range (3xSD): 0.1835 to 0.1895

Precision CV (%): 0.5311 %

**Equivalent vapor concent.:** 0.1516 g/210L

Analyst	Name	Signature	Date
1	Mary E Wilson		05/24/2005
2	Edward Formoso		05/25/2005
3	William P Marshall		05/26/2005
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: Mary E Wilson according to the approved protocol



STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Mary E. Wilson, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry with three years of experience in toxicology, including two years in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 05021, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1865 grams per 100ml.

Dated: 6/8/05  
Seattle, WA

Mary E. Wilson  
Forensic Toxicologist

MEW/la  
MEWQA



STATE OF WASHINGTON  
WASHINGTON STATE PATROL

WASHINGTON STATE TOXICOLOGY LABORATORY

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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

I, Edward J. Formoso, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Chemistry and twenty-eight years experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 05021, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1865 grams per 100ml.

Dated: 6/8/05  
Seattle, WA

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Edward J. Formoso  
Forensic Toxicologist

EJF/la  
EFQA



STATE OF WASHINGTON  
WASHINGTON STATE PATROL

WASHINGTON STATE TOXICOLOGY LABORATORY

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DATAMASTER QUALITY ASSURANCE SOLUTION  
CERTIFICATION

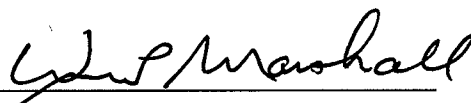
I, William P. Marshall, do certify under penalty of perjury as follows:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Chemistry and thirty-one years of analytical laboratory experience including fifteen years of toxicology experience.

The quality assurance solution, Lot Number 05021 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1865 grams per 100ml.

Dated: 6/8/05  
Seattle, WA

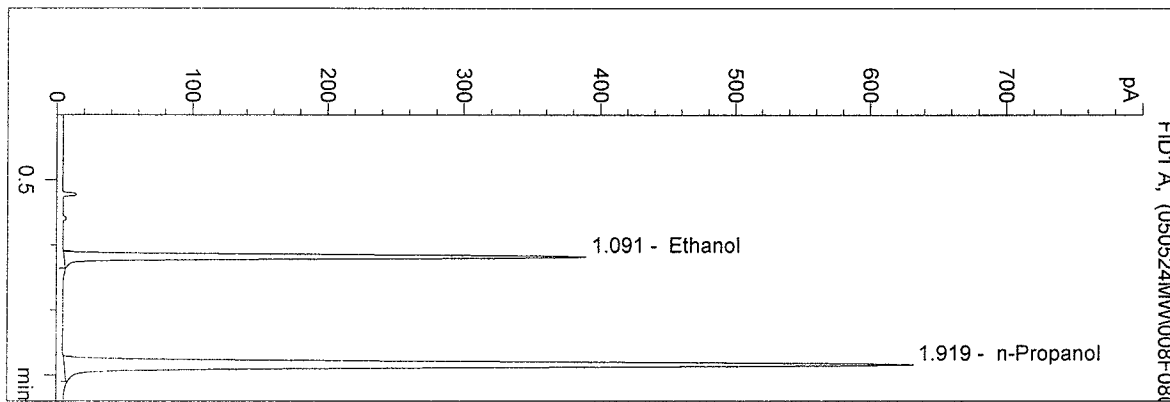
  
\_\_\_\_\_  
William P. Marshall  
Forensic Toxicologist

WM/la  
WMQA

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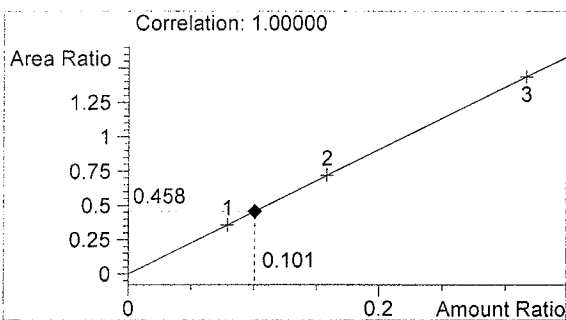
0.10ctlmw  
 mary wilson

vial # 8

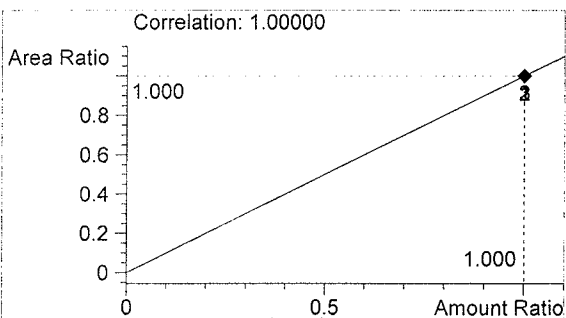


#	Compound	Area	RT
1	Ethanol	868	1.091
2	n-Propanol	1897	1.919

Totals:



Ethanol 0.101 g/100ml

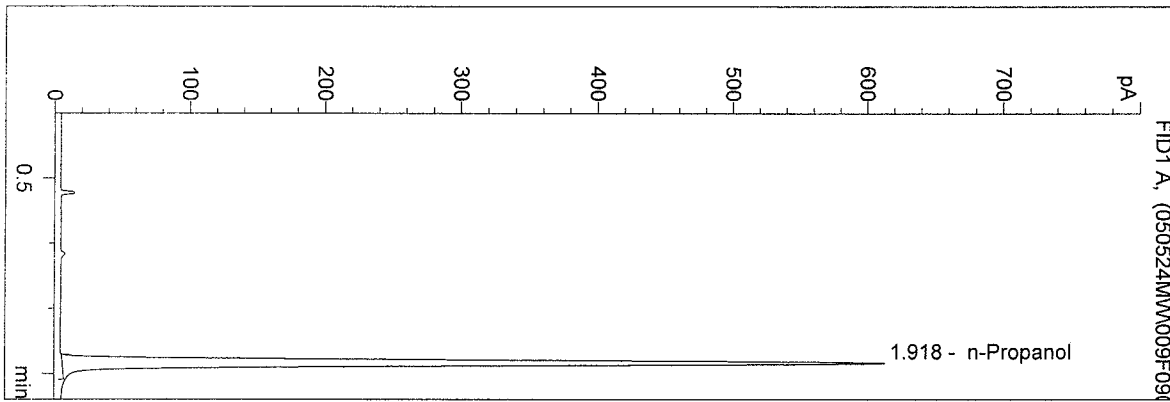


n-Propanol 1.000 g/100ml

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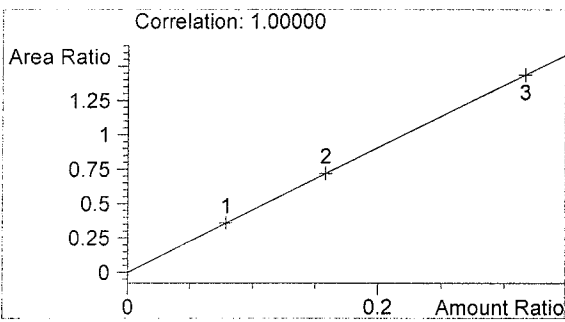
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 mary wilson

vial # 9

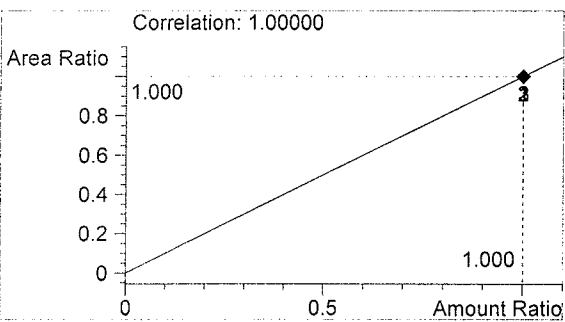


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1834	1.918

Totals:



Ethanol 0.000 g/100ml



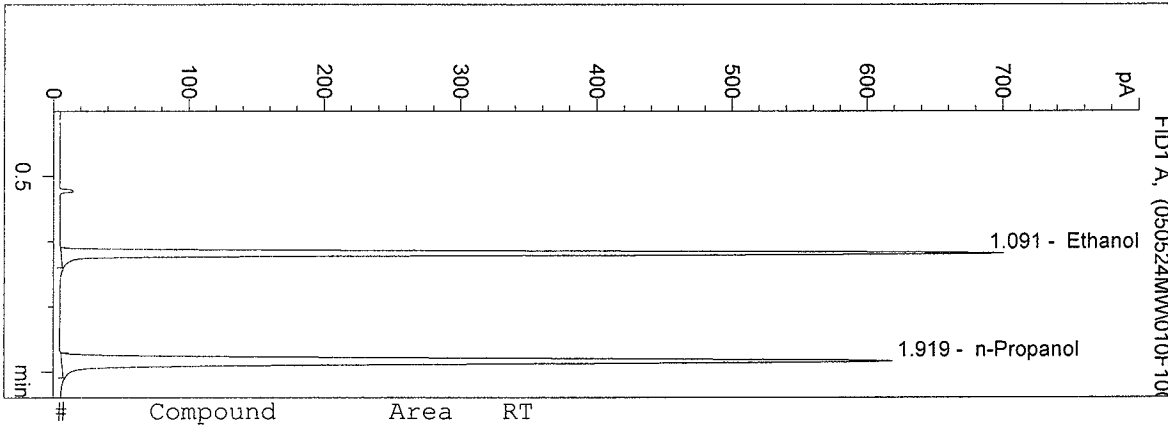
n-Propanol 1.000 g/100ml



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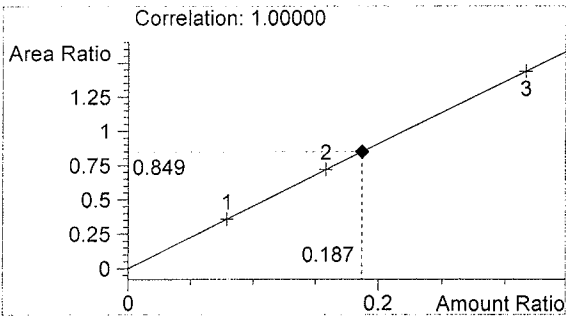
05021 QA SOL  
 mary wilson

vial # 10

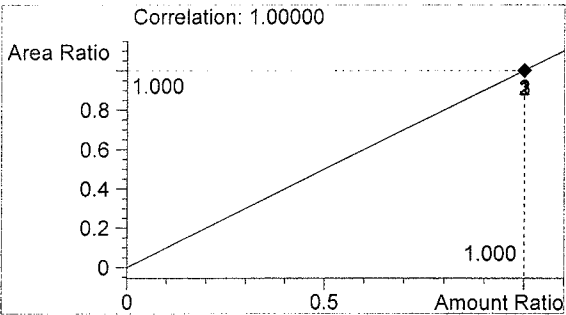


#	Compound	Area	RT
1	Ethanol	1572	1.091
2	n-Propanol	1852	1.919

Totals:



Ethanol 0.187 g/100ml

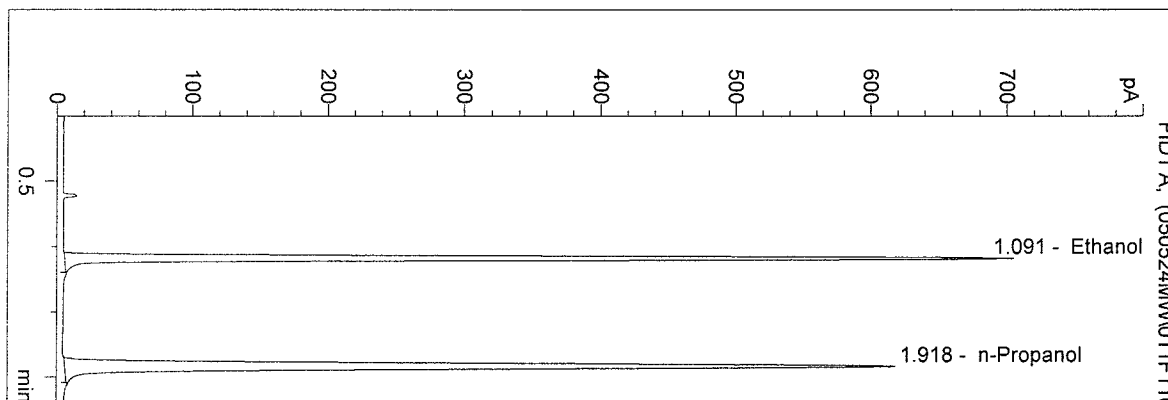


n-Propanol 1.000 g/100ml

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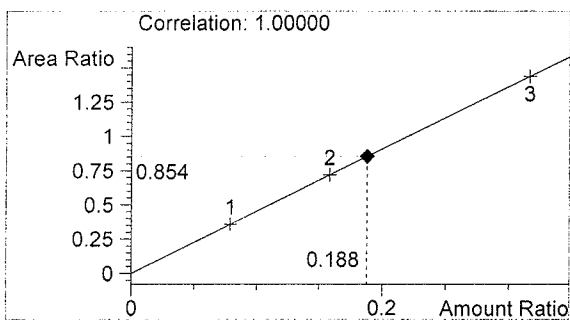
05021 QA SOL  
 mary wilson

vial # 11

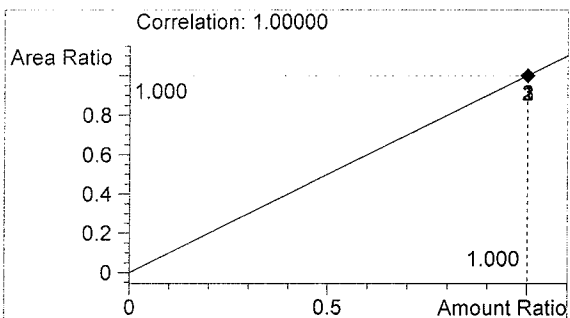


#	Compound	Area	RT
1	Ethanol	1577	1.091
2	n-Propanol	1848	1.918

Totals:



Ethanol 0.188 g/100ml

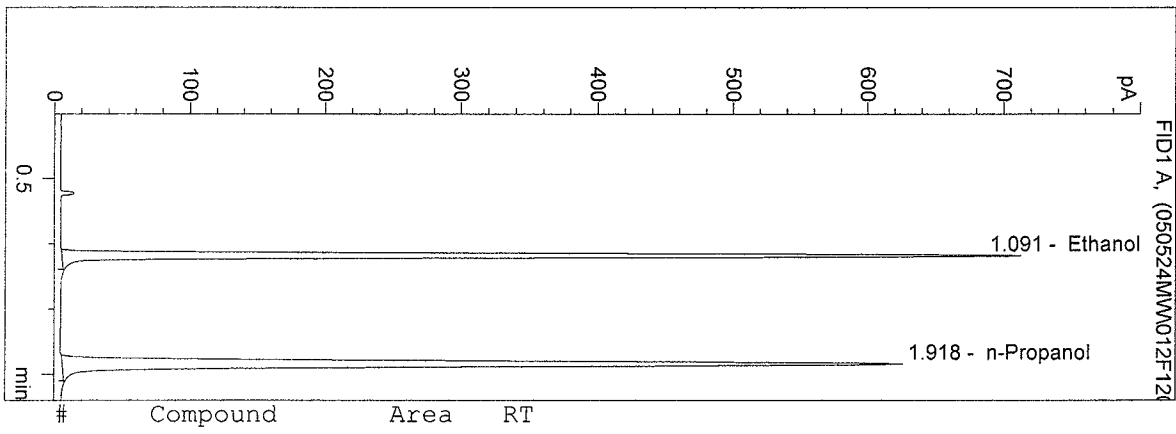


n-Propanol 1.000 g/100ml

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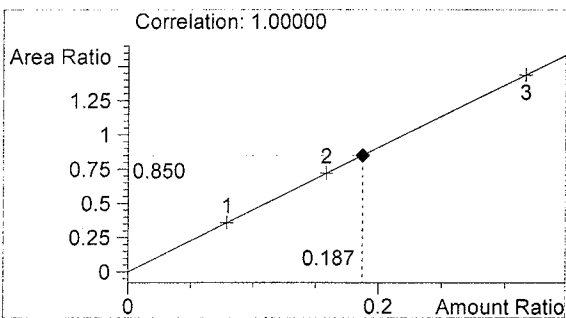
05021 QA SOL  
 mary wilson

vial # 12

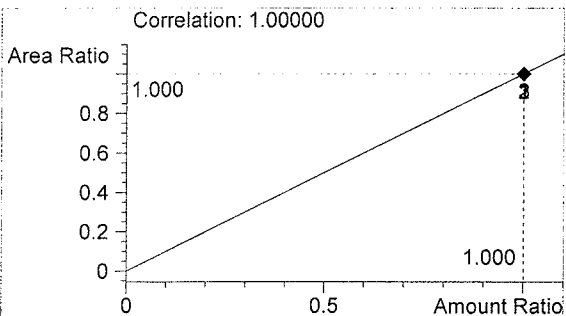


#	Compound	Area	RT
1	Ethanol	1596	1.091
2	n-Propanol	1878	1.918

Totals:



Ethanol 0.187 g/100ml

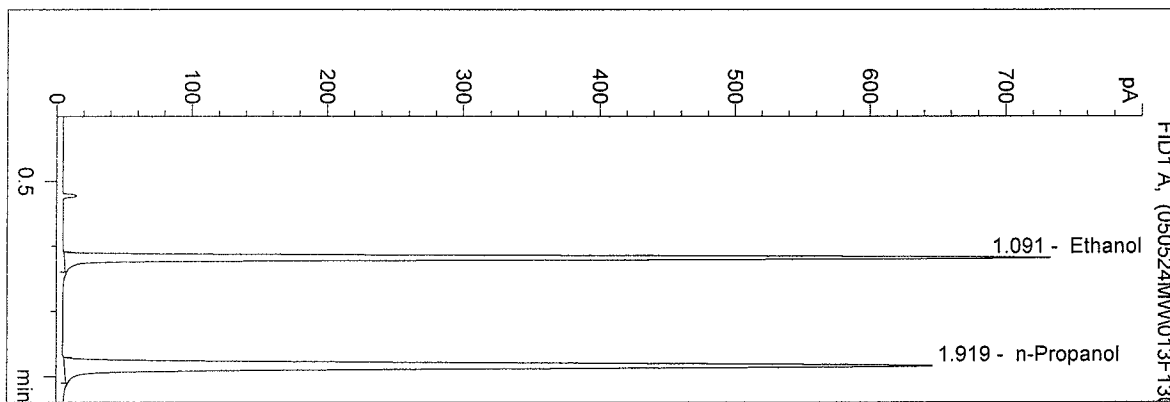


n-Propanol 1.000 g/100ml

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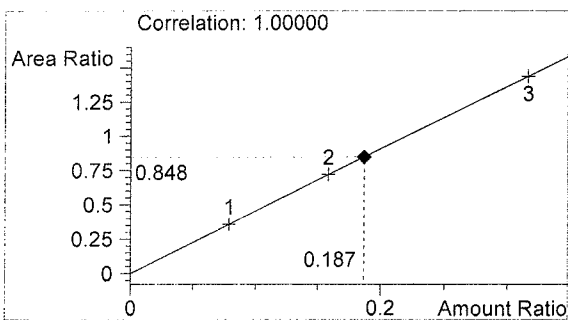
05021 QA SOL  
 mary wilson

vial # 13

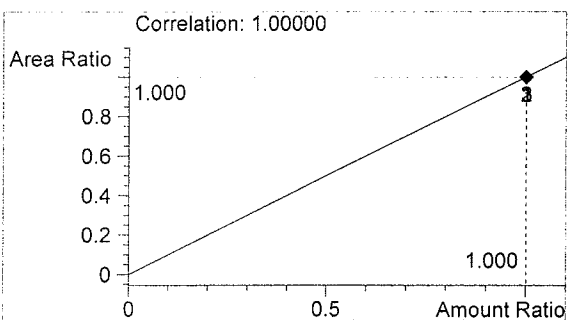


#	Compound	Area	RT
1	Ethanol	1642	1.091
2	n-Propanol	1937	1.919

Totals:



Ethanol 0.187 g/100ml

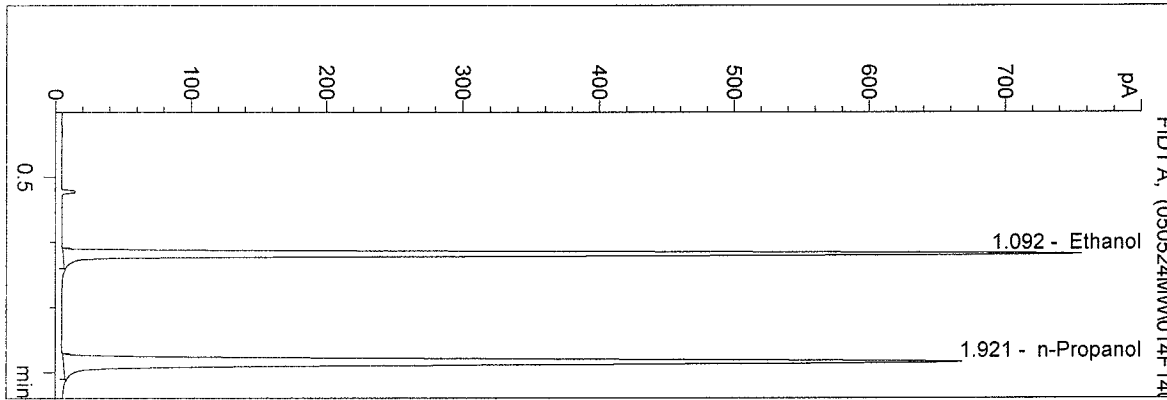


n-Propanol 1.000 g/100ml

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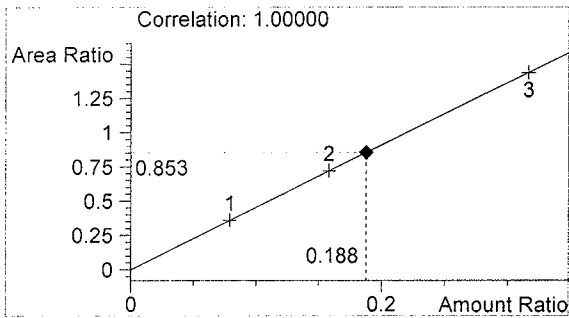
05021 QA SOL  
 mary wilson

vial # 14

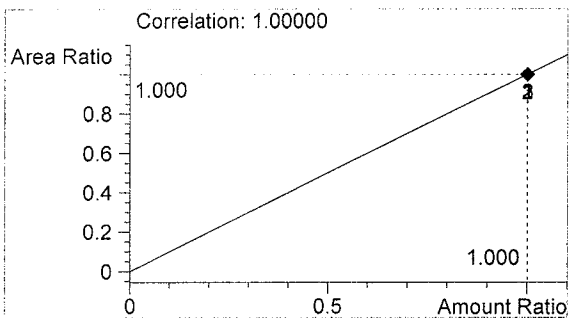


#	Compound	Area	RT
1	Ethanol	1710	1.092
2	n-Propanol	2003	1.921

Totals:



Ethanol 0.188 g/100ml

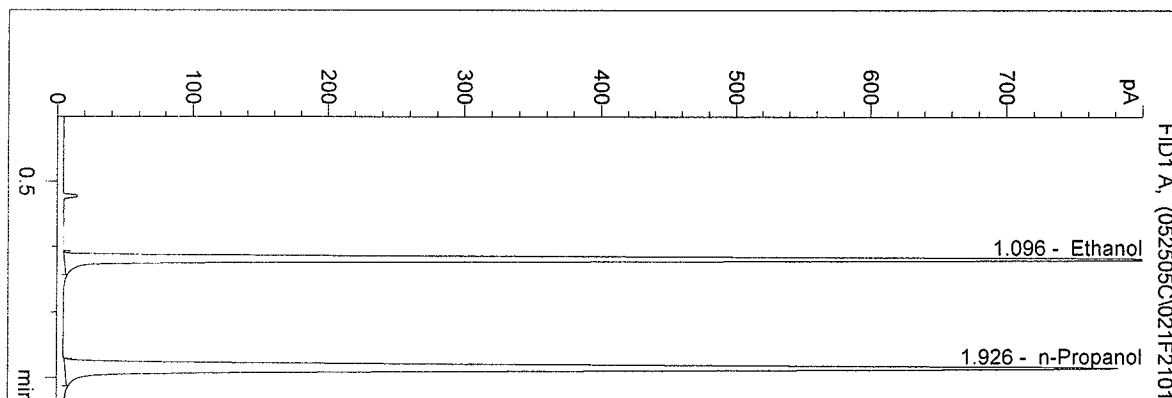


n-Propanol 1.000 g/100ml

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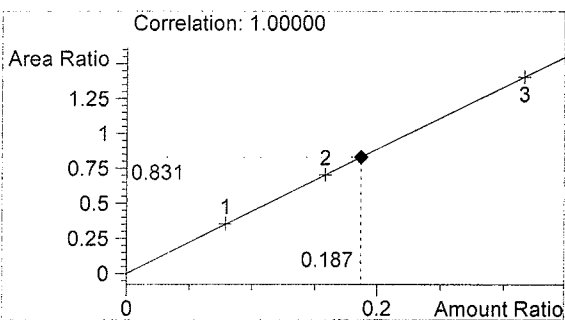
05021  
 ED FORMOSO

vial # 21

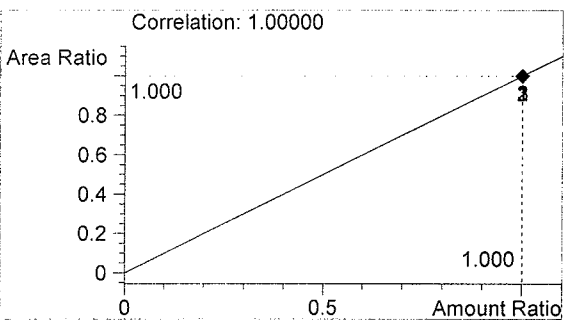


#	Compound	Area	RT
1	Ethanol	1999	1.096
2	n-Propanol	2406	1.926

Totals:



Ethanol 0.187 g/100ml

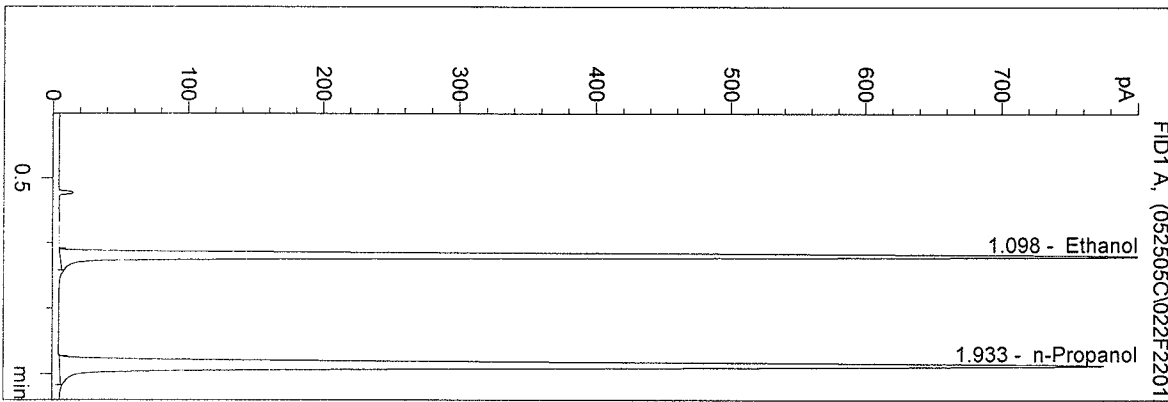


n-Propanol 1.000 g/100ml

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 Instrument 5  
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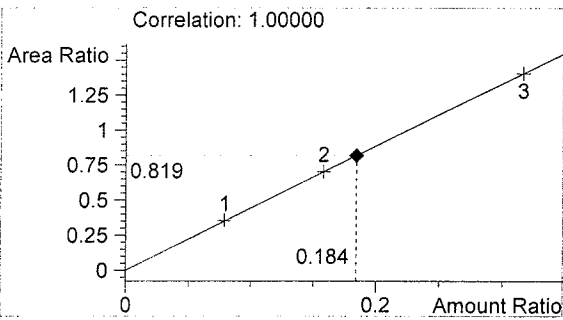
05021  
 ED FORMOSO

vial # 22

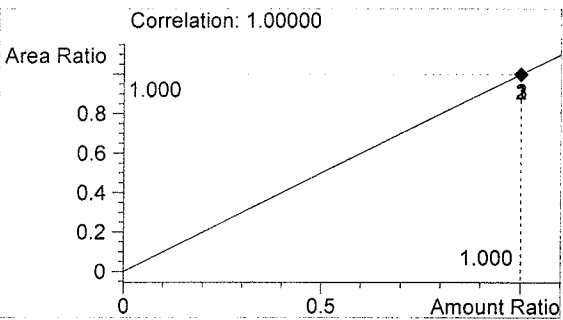


#	Compound	Area	RT
1	Ethanol	1986	1.098
2	n-Propanol	2425	1.933

Totals:



Ethanol 0.184 g/100ml

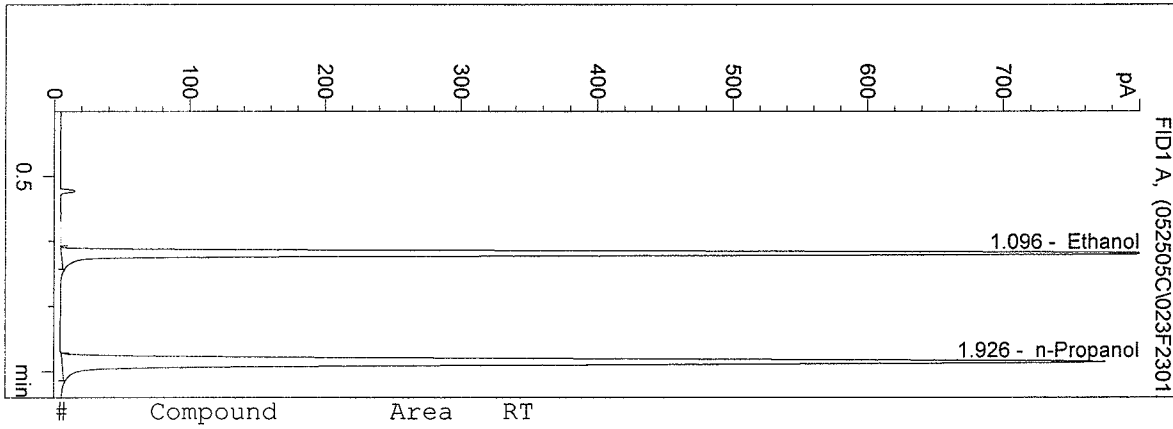


n-Propanol 1.000 g/100ml

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 DB-ALC2

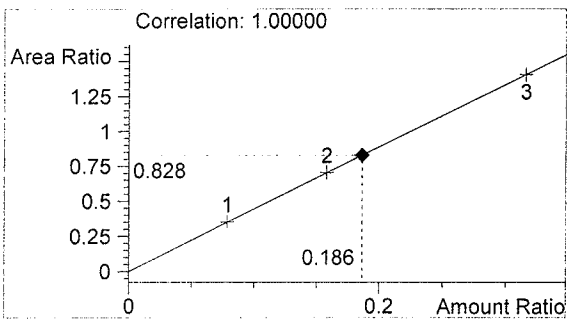
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 ED FORMOSO

vial # 23

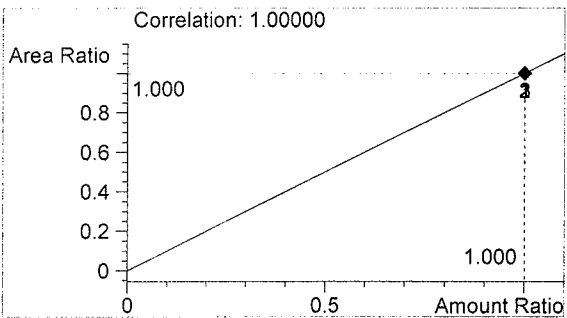


#	Compound	Area	RT
1	Ethanol	1982	1.096
2	n-Propanol	2392	1.926

Totals:



Ethanol 0.186 g/100ml



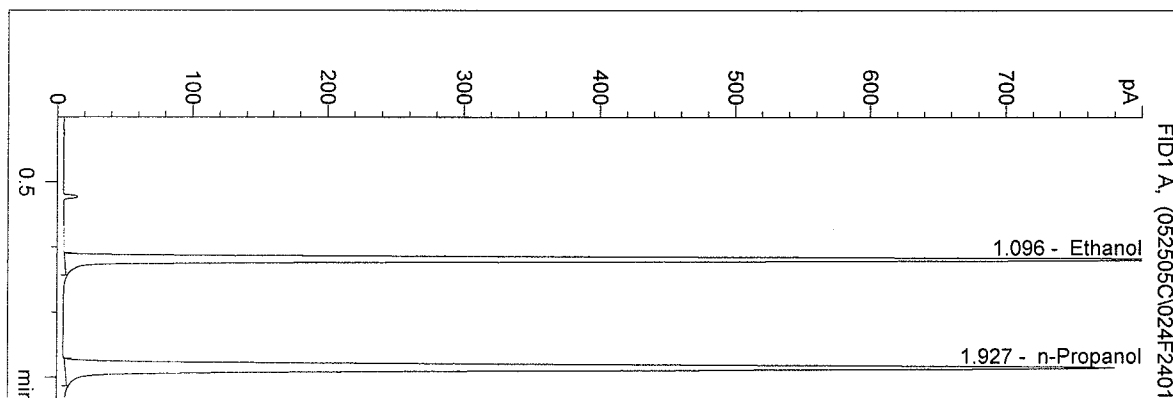
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
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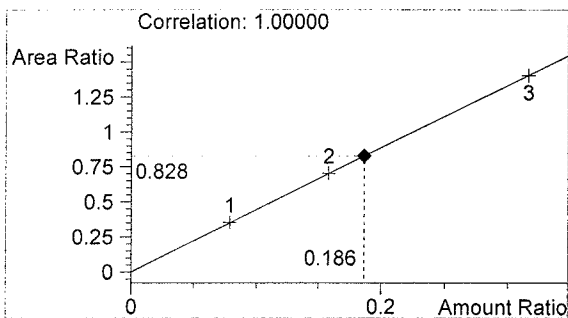
05021  
 ED FORMOSO

vial # 24

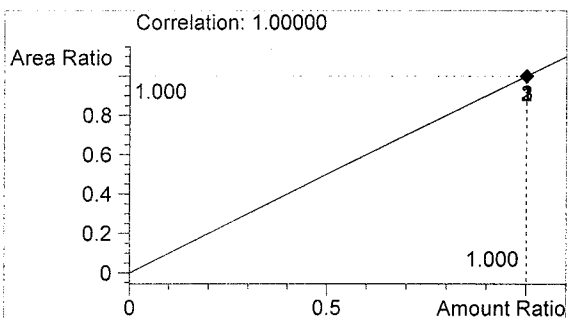


#	Compound	Area	RT
1	Ethanol	1995	1.096
2	n-Propanol	2409	1.927

Totals:



Ethanol 0.186 g/100ml

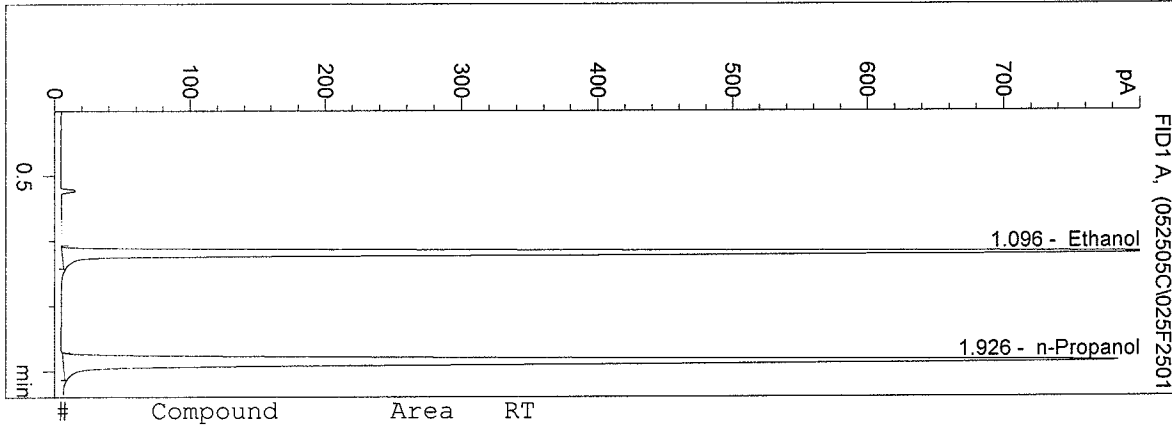


n-Propanol 1.000 g/100ml

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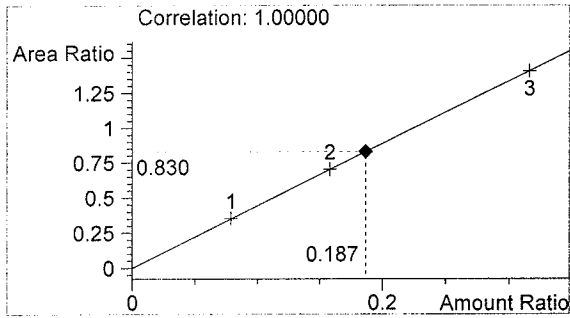
05021  
 ED FORMOSO

vial # 25

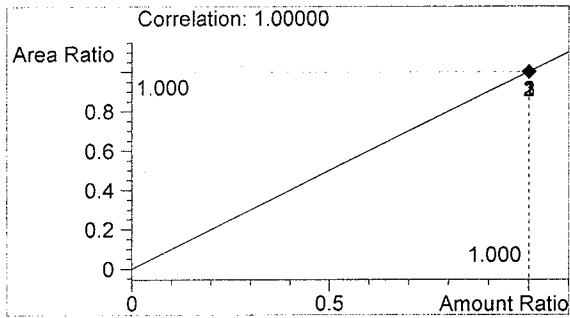


#	Compound	Area	RT
1	Ethanol	2007	1.096
2	n-Propanol	2417	1.926

Totals:



Ethanol 0.187 g/100ml

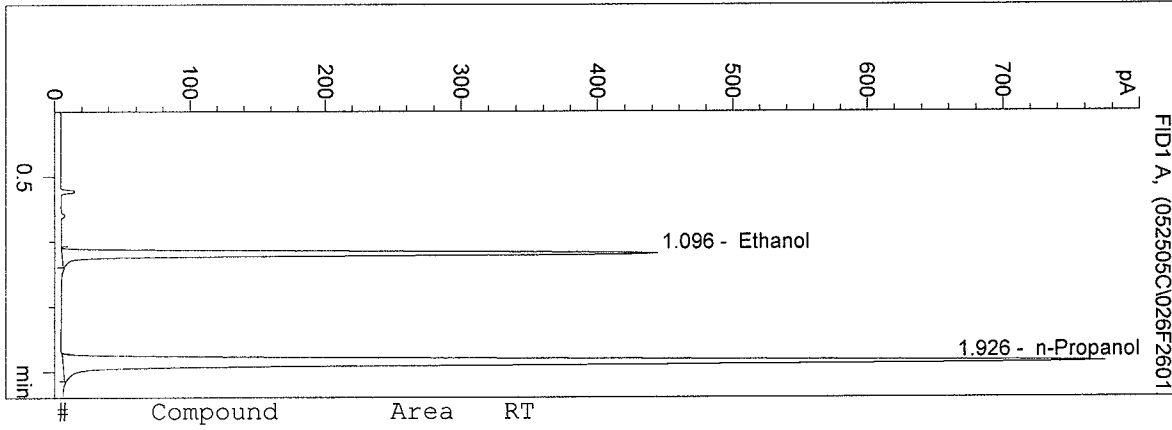


n-Propanol 1.000 g/100ml

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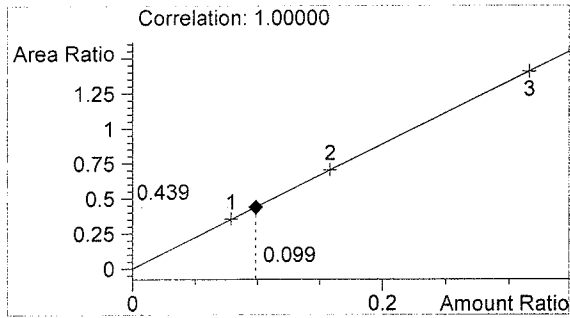
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 ED FORMOSO

vial # 26

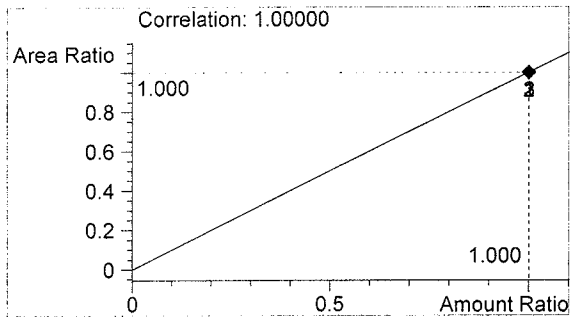


#	Compound	Area	RT
1	Ethanol	1046	1.096
2	n-Propanol	2382	1.926

Totals:



Ethanol 0.099 g/100ml

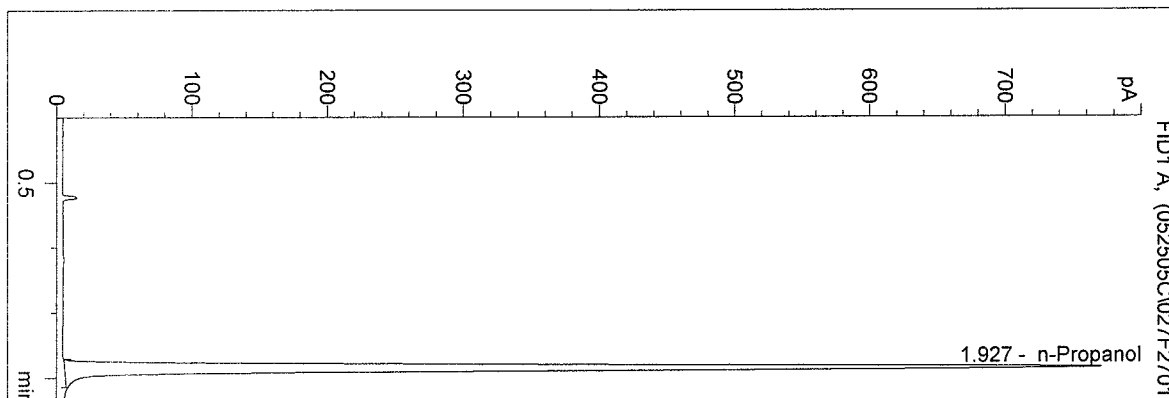


n-Propanol 1.000 g/100ml

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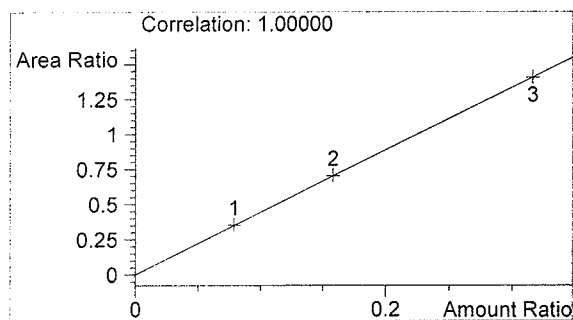
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 ED FORMOSO

vial # 27

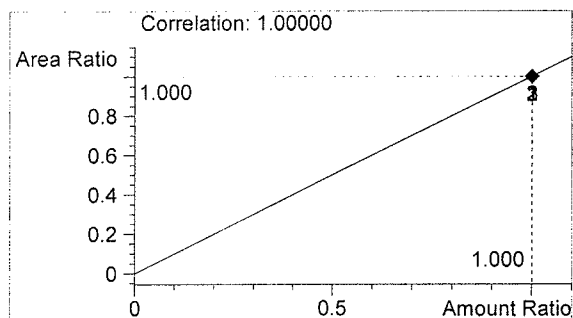


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2374	1.927

Totals:



Ethanol 0.000 g/100ml

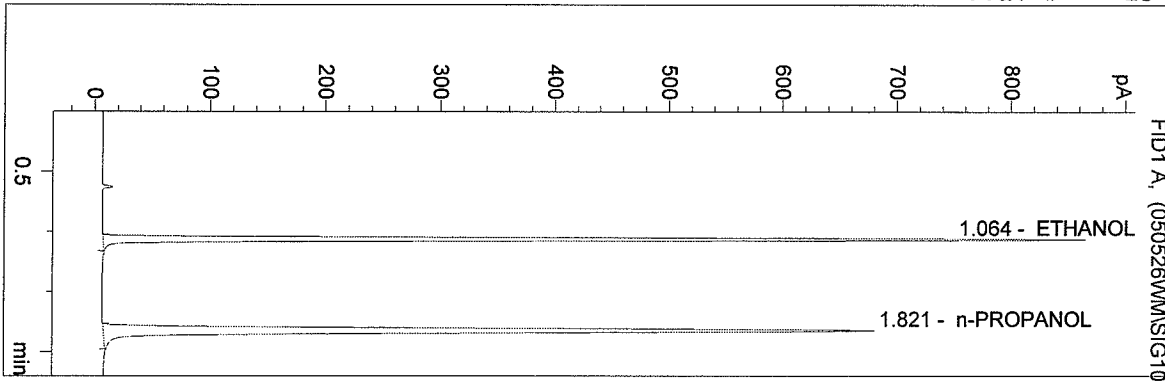


n-Propanol 1.000 g/100ml

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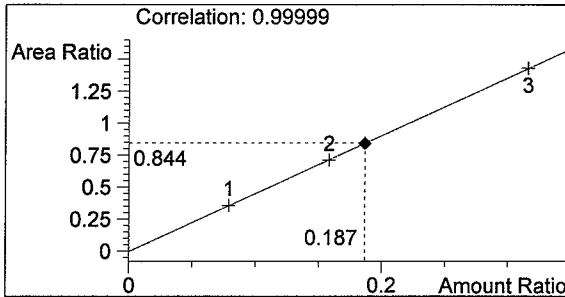
SIM 05021  
 WP Marshall

vial # 29

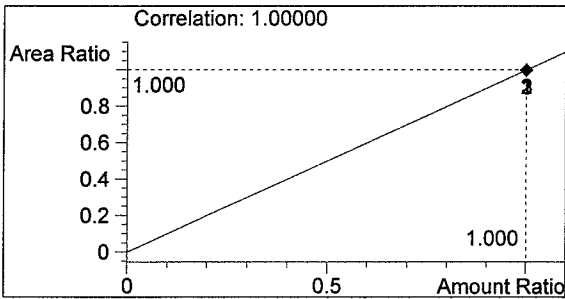


#	Compound	Area	RT
1	ETHANOL	1509	1.064
2	n-PROPANOL	1787	1.821

Totals:



ETHANOL 0.187 g/100mL

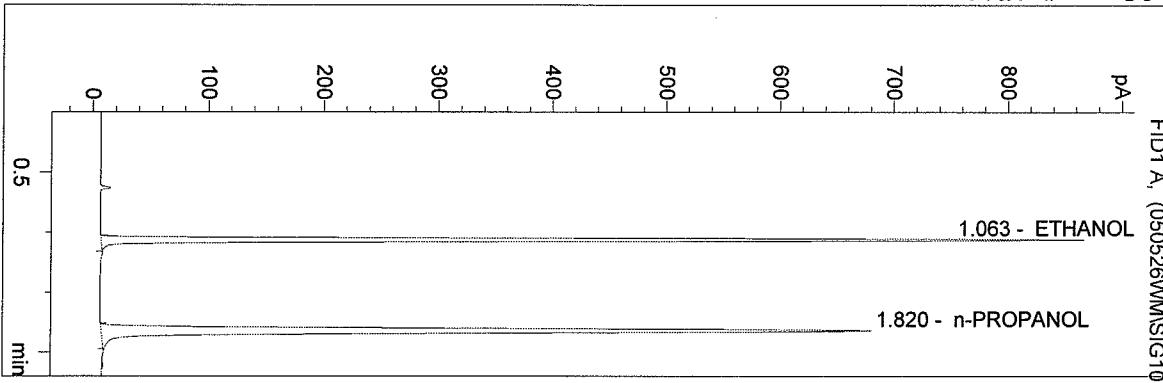


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:16:32 AM  
 Instrument 3  
 DB-ALC2

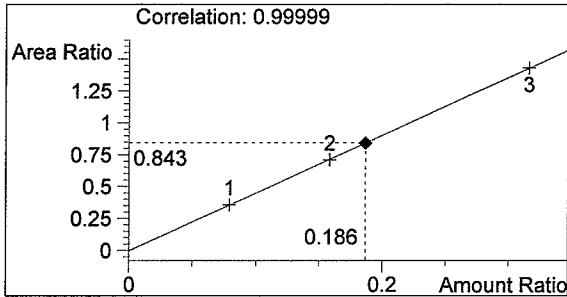
SIM 05021  
 WP Marshall

vial # 30

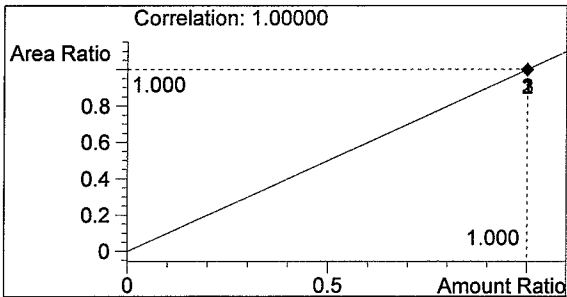


#	Compound	Area	RT
1	ETHANOL	1509	1.063
2	n-PROPANOL	1790	1.820

Totals:



ETHANOL 0.186 g/100mL

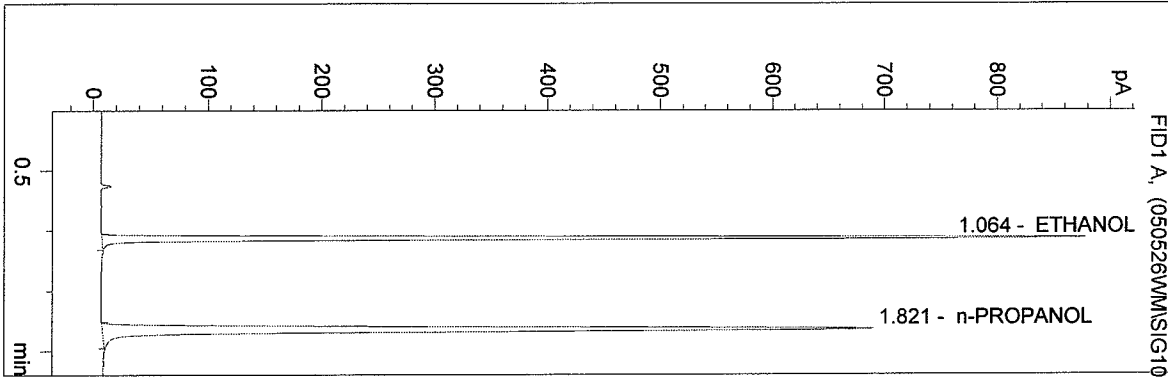


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:19:39 AM  
 Instrument 3  
 DB-ALC2

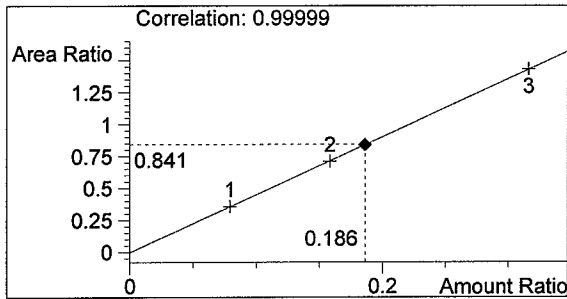
SIM 05021  
 WP Marshall

vial # 31

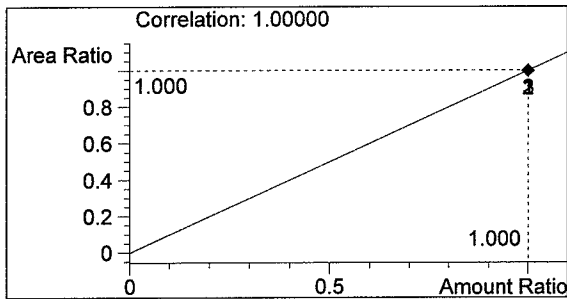


#	Compound	Area	RT
1	ETHANOL	1530	1.064
2	n-PROPANOL	1819	1.821

Totals:



ETHANOL 0.186 g/100mL

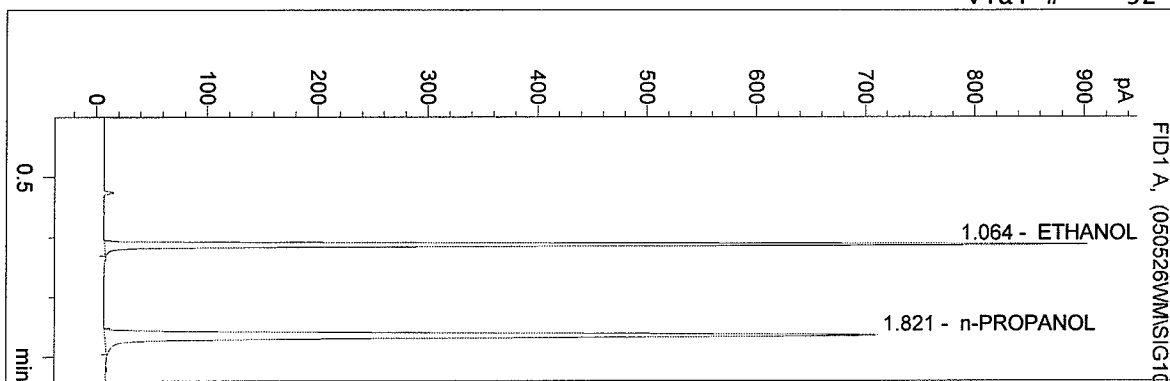


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:22:46 AM  
 Instrument 3  
 DB-ALC2

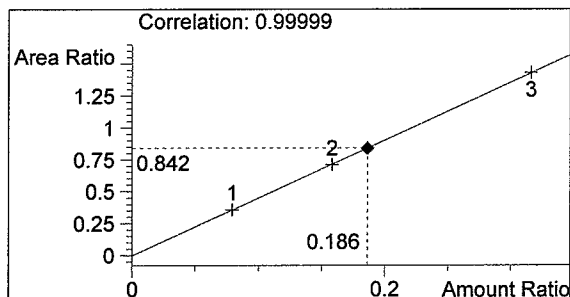
SIM 05021  
 WP Marshall

vial # 32

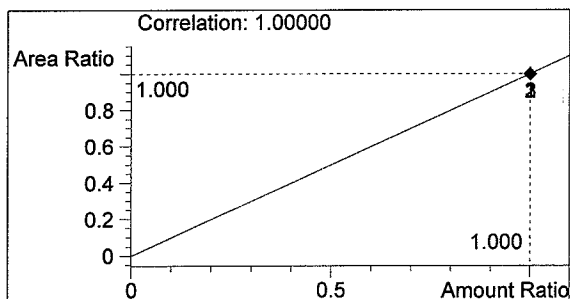


#	Compound	Area	RT
1	ETHANOL	1578	1.064
2	n-PROPANOL	1874	1.821

Totals:



ETHANOL 0.186 g/100mL



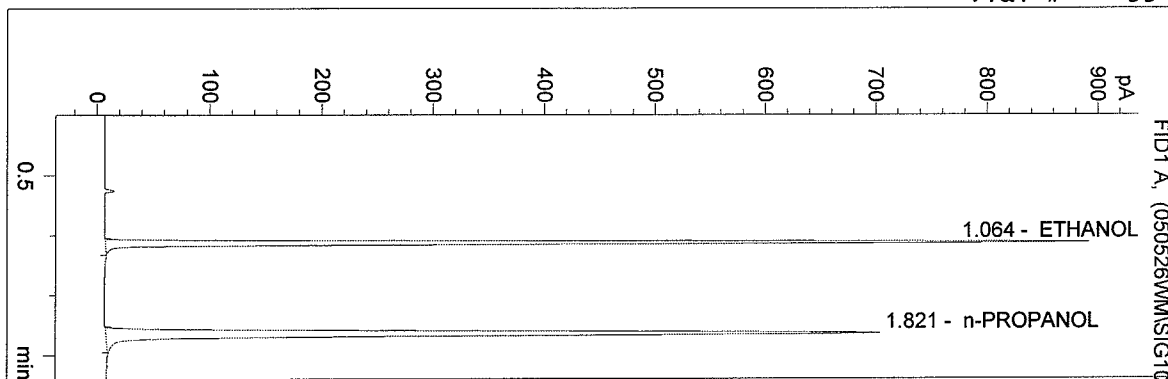
n-PROPANOL 1.000 g/100mL



C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:25:53 AM  
 Instrument 3  
 DB-ALC2

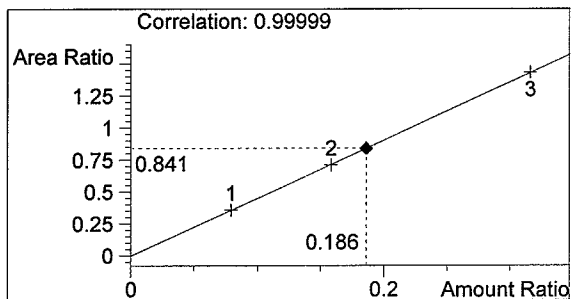
SIM 05021  
 WP Marshall

vial # 33

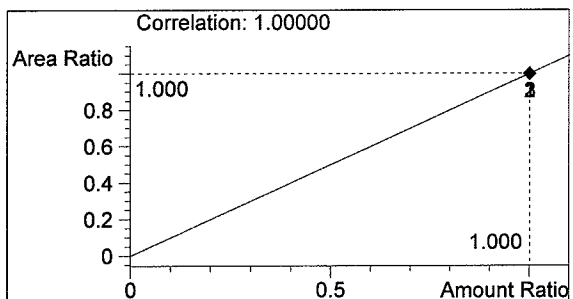


#	Compound	Area	RT
1	ETHANOL	1555	1.064
2	n-PROPANOL	1848	1.821

Totals:



ETHANOL 0.186 g/100mL

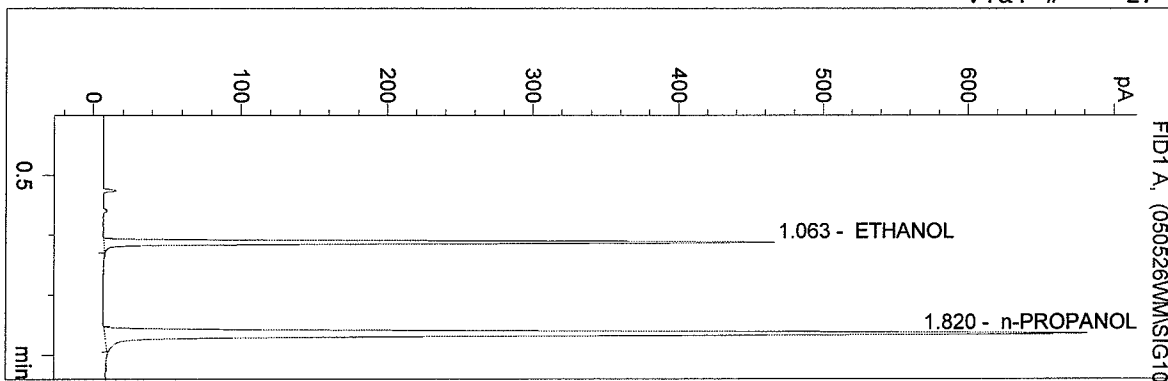


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:07:11 AM  
 Instrument 3  
 DB-ALC2

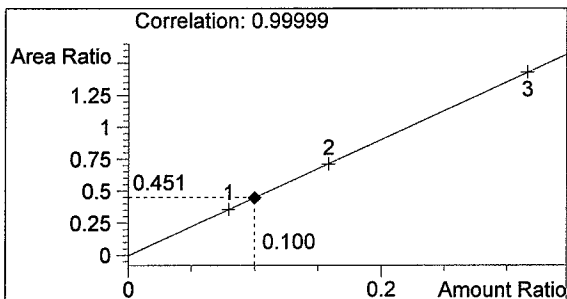
0.10 CONTROL  
 WP Marshall

vial # 27

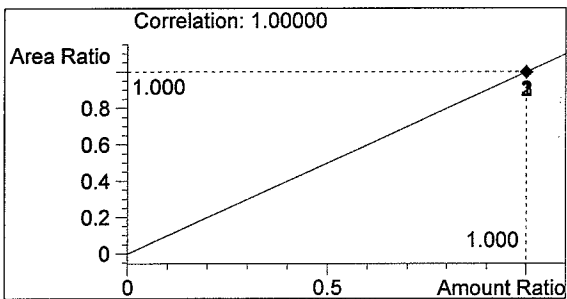


#	Compound	Area	RT
1	ETHANOL	808	1.063
2	n-PROPANOL	1793	1.820

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

STDS  
 05018

C:\HPCHEM\1\METHODS\BLDALCO3.M

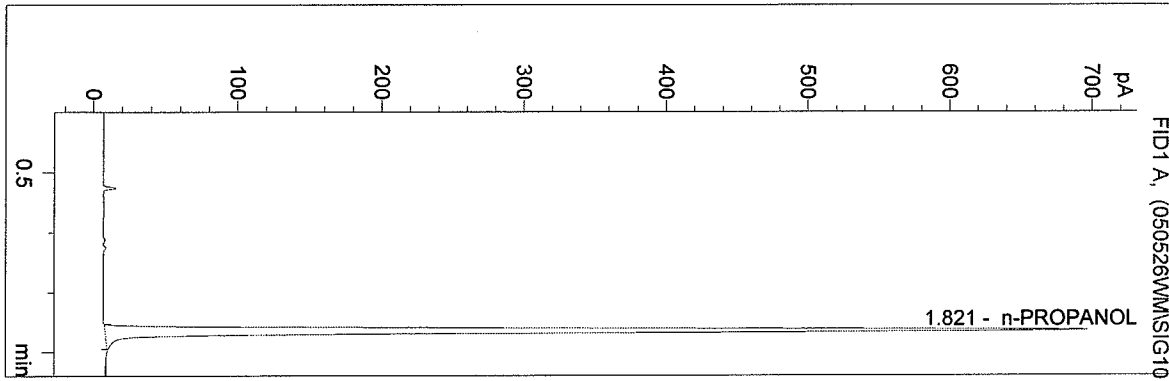
5/26/05 10:10:18 AM

Instrument 3

DB-ALC2

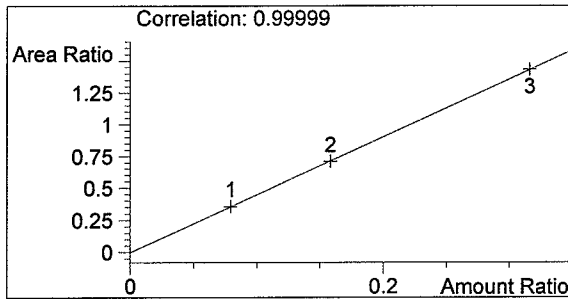
BLANK  
WP Marshall

vial # 28

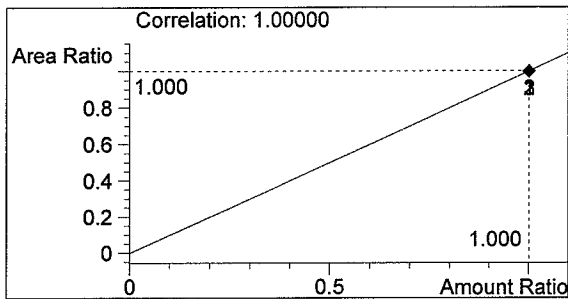


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1830	1.821

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL