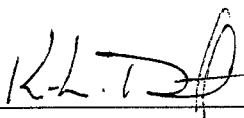


## Notice of Simulator Solution File Review

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.



10/15/2007

Tpr. Ken Denton

Date



10-15-07

Rod G. Gullberg

Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GULLBERG Date 10-9-07  
Location TOX LAB SEATTLE Batch Number 05020

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 **0.10** g/210L **Quality Assurance solution**

Batch number **05020**

Date: 5/24/2005

Preparation: 28.9 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	0.127	0.126	0.126									
2	0.128	0.126	0.126									
3	0.128	0.126	0.126									
4	0.127	0.126	0.126									
5	0.127	0.126	0.126									
Ctrl	0.100	0.099	0.099									

**External Control:**

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

**Statistics:**

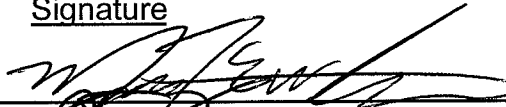
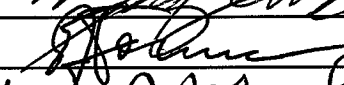
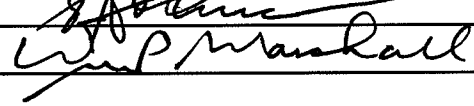
Avg. solution concent.: 0.1265 g/100 mL

SD: 0.00074

Range (3xSD): 0.1243 to 0.1287

Precision CV (%): 0.5875 %

**Equivalent vapor concent.:** 0.1028 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

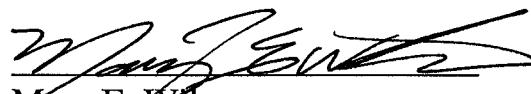
I, Mary E. Wilson, do certify under penalty of perjury as follows:

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 05020, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 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

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

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 05020, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 grams per 100ml.

Dated: 6/8/05  
Seattle, WA

---

Edward J. Formoso  
Forensic Toxicologist

EJF/la  
EFQA





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, 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 05020 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1265 grams per 100ml.

Dated: 6/8/05  
Seattle, WA

William P. Marshall  
Forensic Toxicologist

WM/la  
WMQA



Sequence Parameters:

Operator: mary wilson  
 Data File Naming: Auto  
 Data Directory: D:\HPCHEM\1\DATA\  
 Data Subdirectory: 050524MW  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none  
 Sequence Comment:

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	0.10ctlmw	BLDALCO2	1	Ctrl Samp		
2	Vial 2	blank	BLDALCO2	1	Sample		
3	Vial 3	05020 QA SOL	BLDALCO2	1	Sample		
4	Vial 4	05020 QA SOL	BLDALCO2	1	Sample		
5	Vial 5	05020 QA SOL	BLDALCO2	1	Sample		
6	Vial 6	05020 QA SOL	BLDALCO2	1	Sample		
7	Vial 7	05020 QA SOL	BLDALCO2	1	Sample		
8	Vial 8	0.10ctlmw	BLDALCO2	1	Ctrl Samp		
9	Vial 9	blank	BLDALCO2	1	Sample		
10	Vial 10	05021 QA SOL	BLDALCO2	1	Sample		
11	Vial 11	05021 QA SOL	BLDALCO2	1	Sample		
12	Vial 12	05021 QA SOL	BLDALCO2	1	Sample		
13	Vial 13	05021 QA SOL	BLDALCO2	1	Sample		
14	Vial 14	05021 QA SOL	BLDALCO2	1	Sample		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

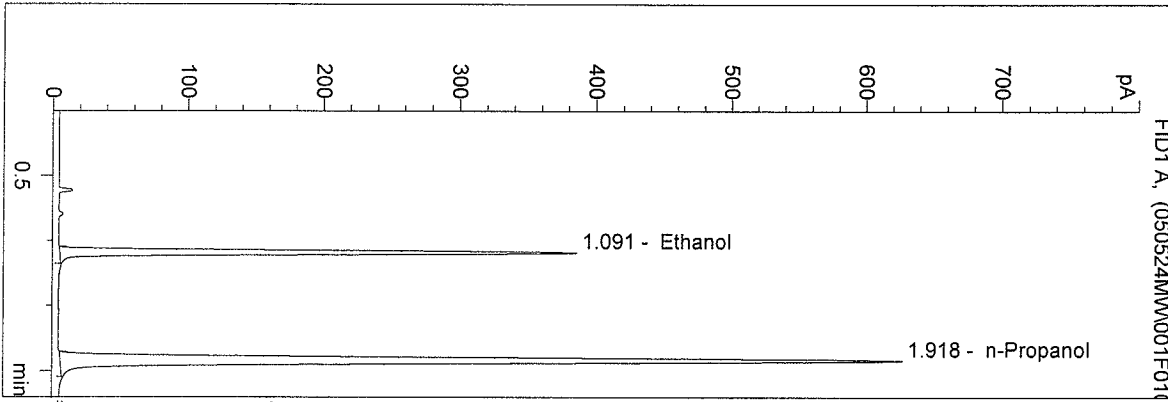
Sequence Table (Back Injector):

No entries - empty table!

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 Instrument 5  
 DB-ALC2

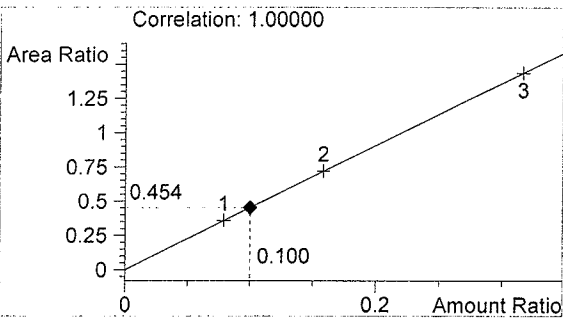
0.10ctlmw  
 mary wilson

vial # 1

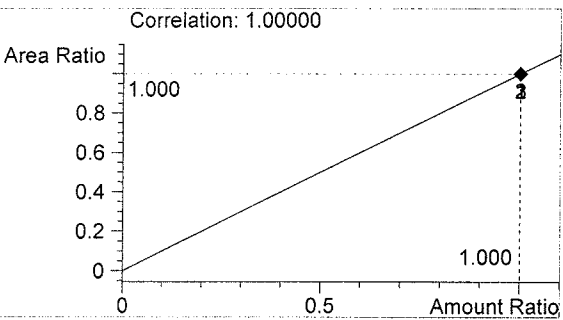


#	Compound	Area	RT
1	Ethanol	851	1.091
2	n-Propanol	1874	1.918

Totals:



Ethanol 0.100 g/100ml



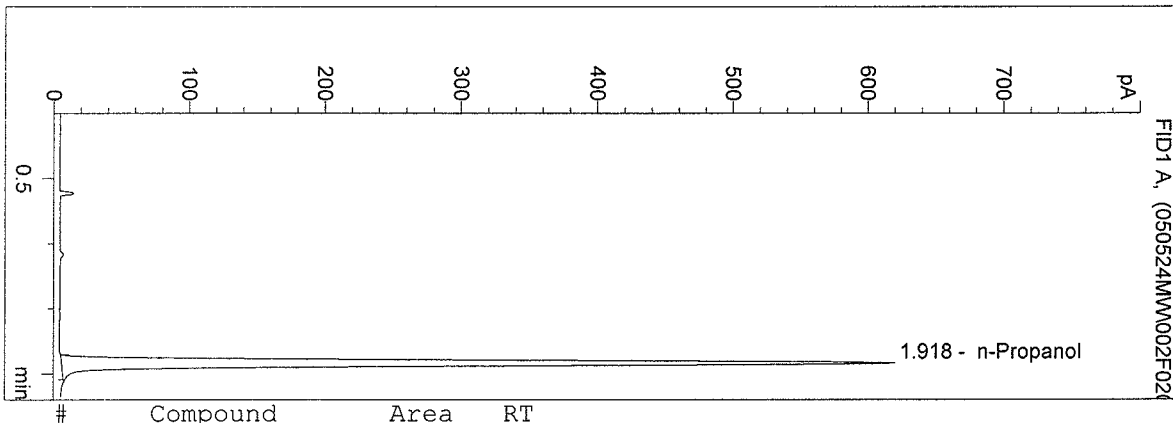
n-Propanol 1.000 g/100ml



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 5/24/2005 2:12:18 PM  
 Instrument 5  
 DB-ALC2

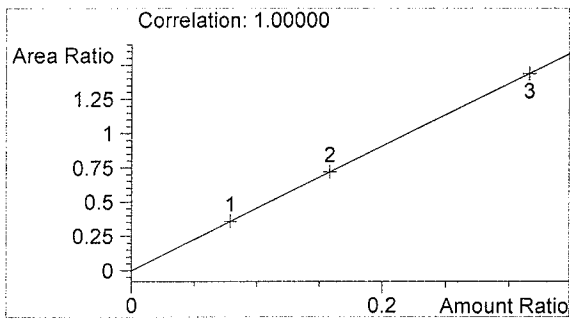
blank  
 mary wilson

vial # 2

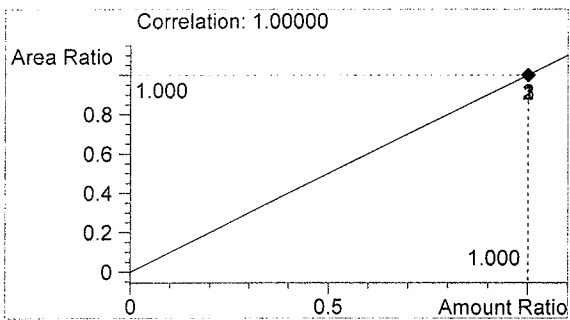


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1853	1.918

Totals:



Ethanol 0.000 g/100ml

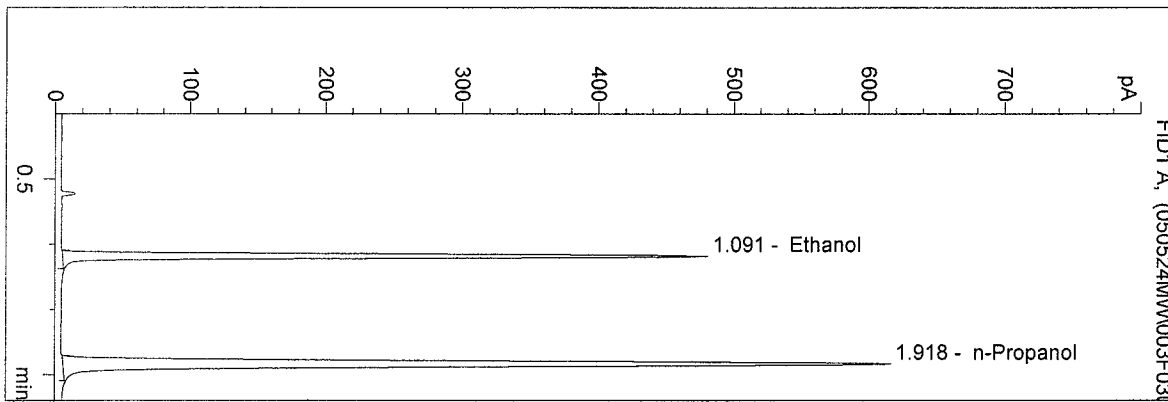


n-Propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

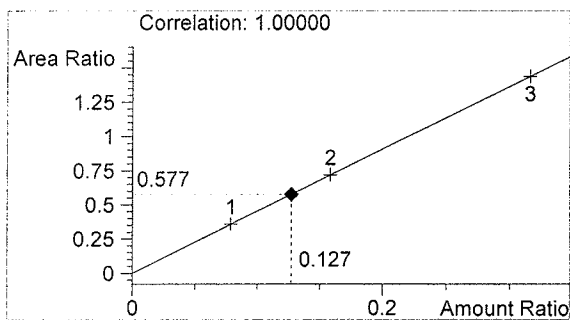
05020 QA SOL  
 mary wilson

vial # 3

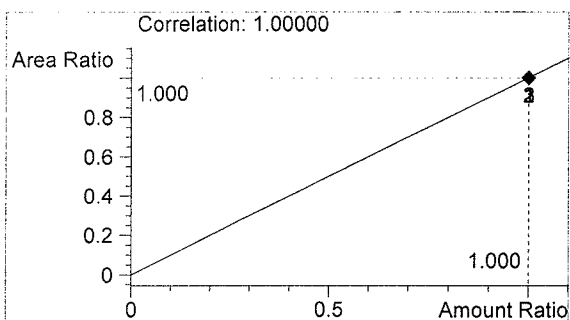


#	Compound	Area	RT
1	Ethanol	1064	1.091
2	n-Propanol	1844	1.918

Totals:



Ethanol 0.127 g/100ml

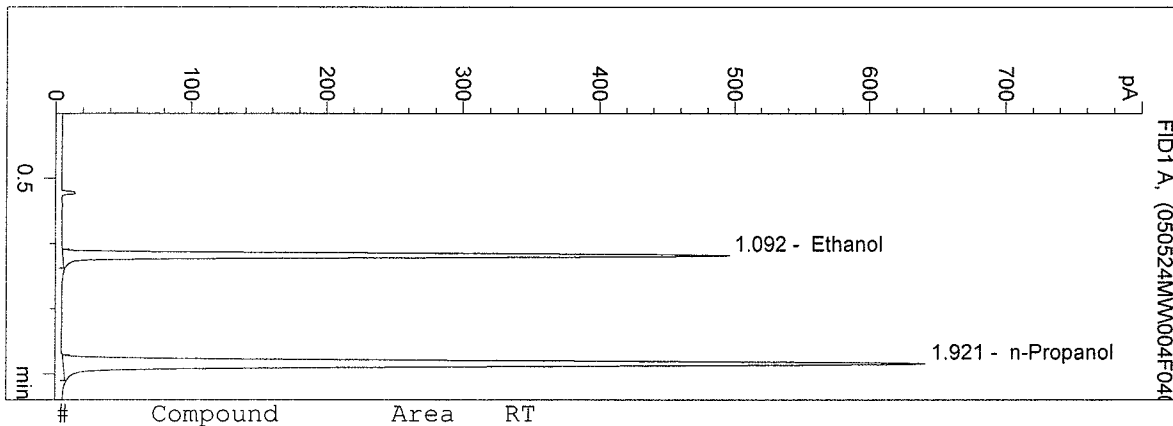


n-Propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

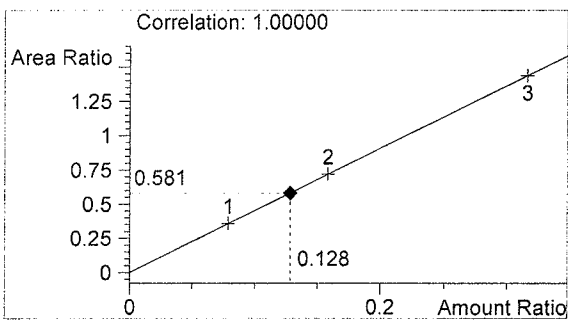
05020 QA SOL  
 mary wilson

vial # 4

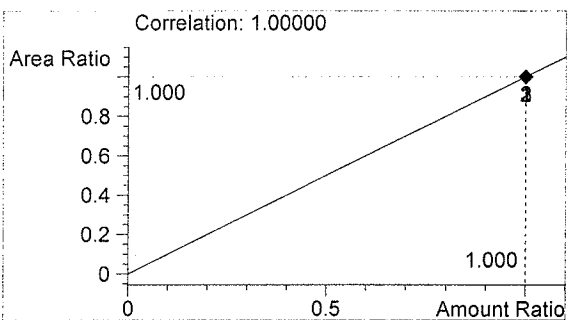


#	Compound	Area	RT
1	Ethanol	1122	1.092
2	n-Propanol	1930	1.921

Totals:



Ethanol 0.128 g/100ml

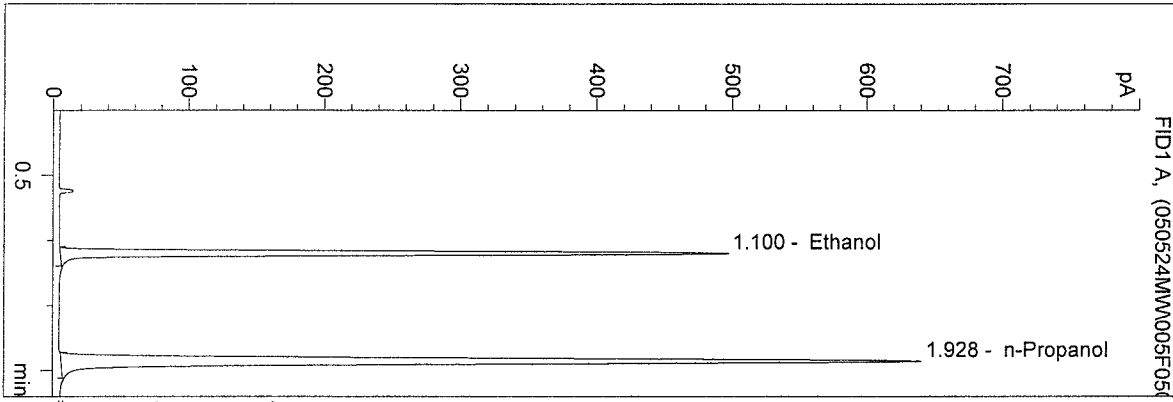


n-Propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

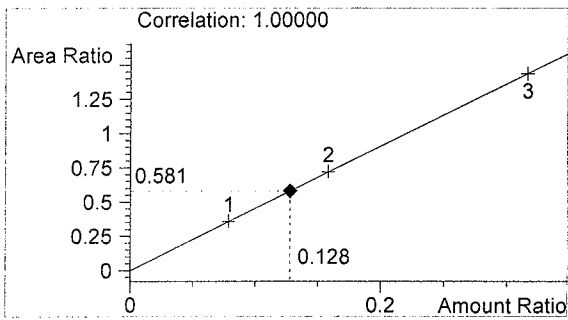
05020 QA SOL  
 mary wilson

vial # 5

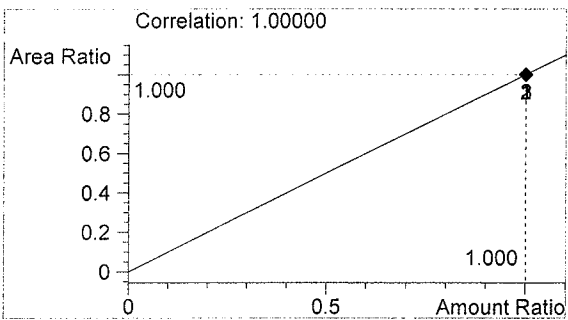


#	Compound	Area	RT
1	Ethanol	1115	1.100
2	n-Propanol	1920	1.928

Totals:



Ethanol 0.128 g/100ml

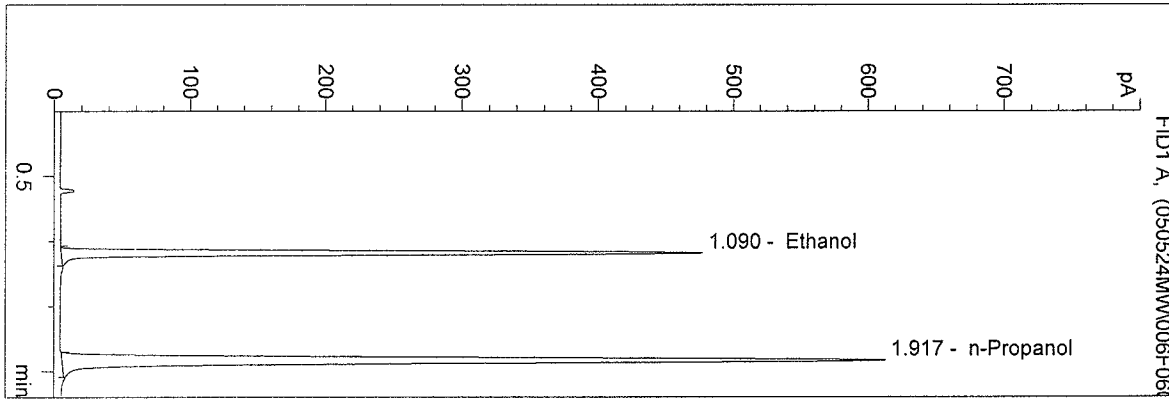


n-Propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

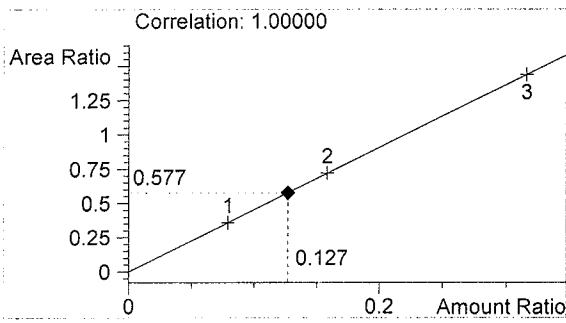
05020 QA SOL  
 mary wilson

vial # 6

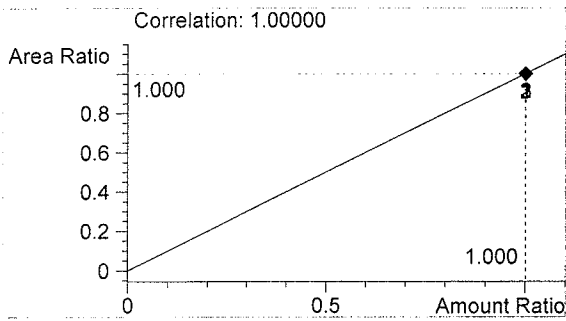


#	Compound	Area	RT
1	Ethanol	1059	1.090
2	n-Propanol	1834	1.917

Totals:



Ethanol 0.127 g/100ml

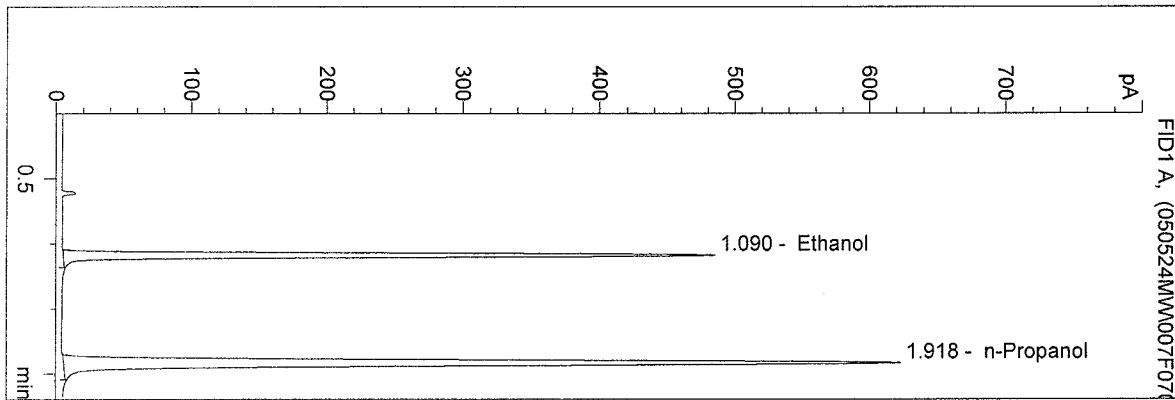


n-Propanol 1.000 g/100ml

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 Instrument 5  
 DB-ALC2

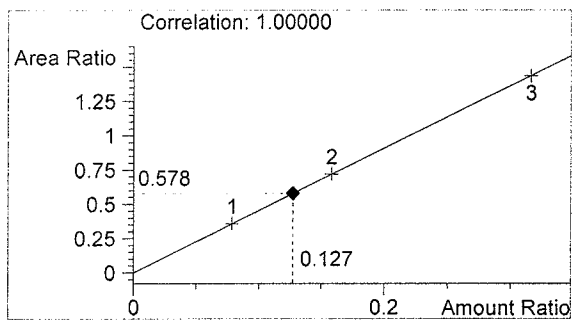
05020 QA SOL  
 mary wilson

vial # 7

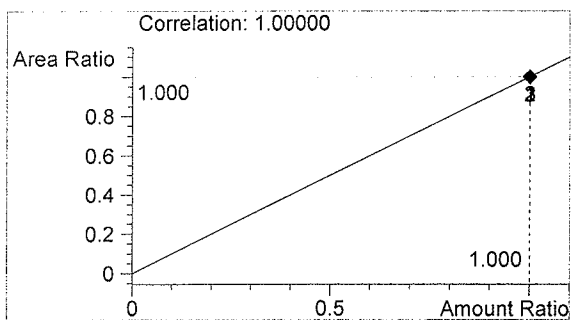


#	Compound	Area	RT
1	Ethanol	1077	1.090
2	n-Propanol	1861	1.918

Totals:



Ethanol 0.127 g/100ml

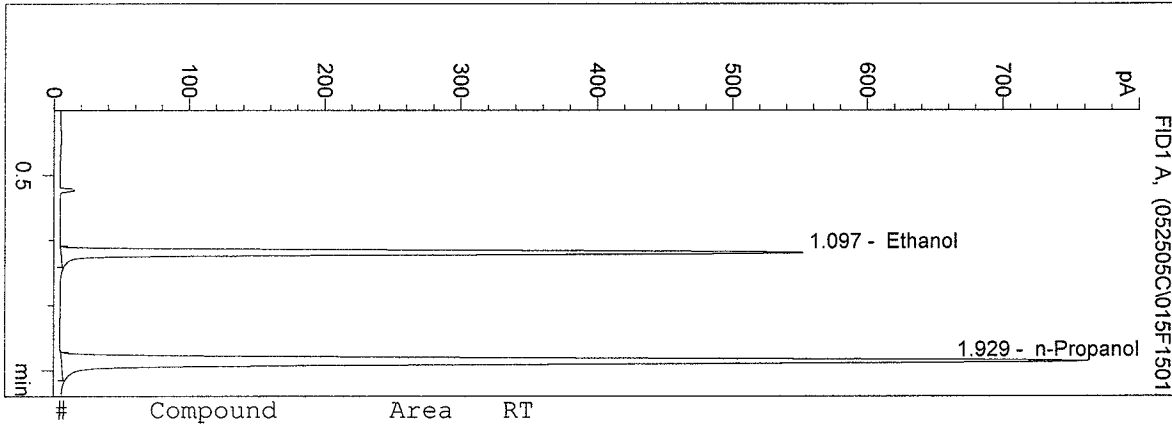


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 5/25/2005 2:28:07 PM  
 Instrument 5  
 DB-ALC2

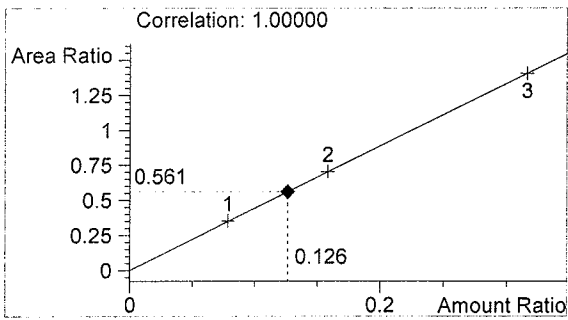
05020  
 ED FORMOSO

vial # 15

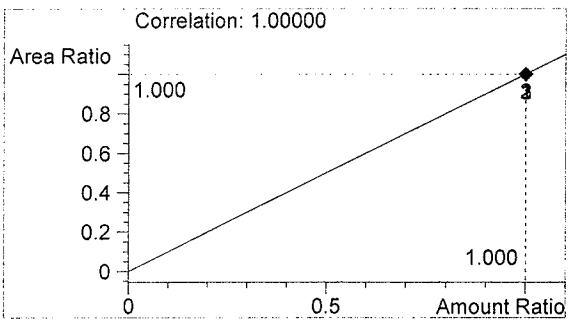


#	Compound	Area	RT
1	Ethanol	1327	1.097
2	n-Propanol	2366	1.929

Totals:



Ethanol 0.126 g/100ml

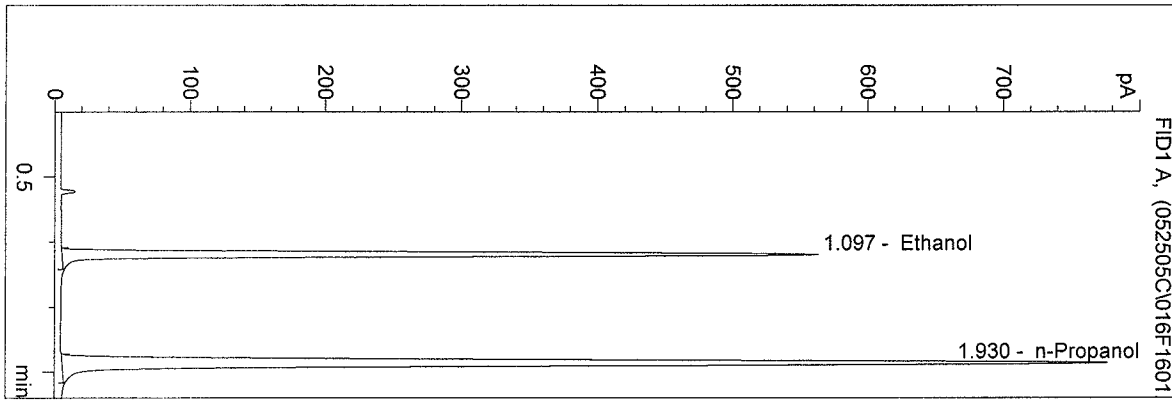


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 5/25/2005 2:31:23 PM  
 Instrument 5  
 DB-ALC2

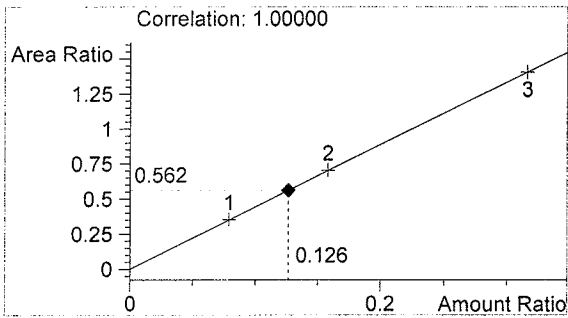
05020  
 ED FORMOSO

vial # 16

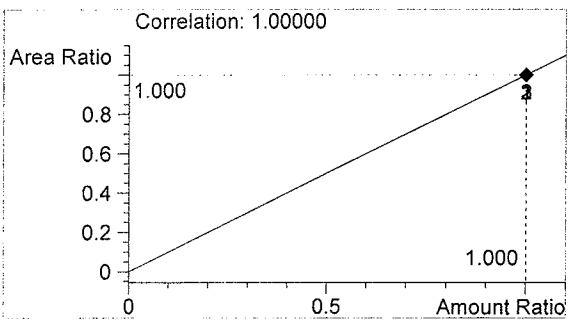


#	Compound	Area	RT
1	Ethanol	1356	1.097
2	n-Propanol	2413	1.930

Totals:



Ethanol 0.126 g/100ml



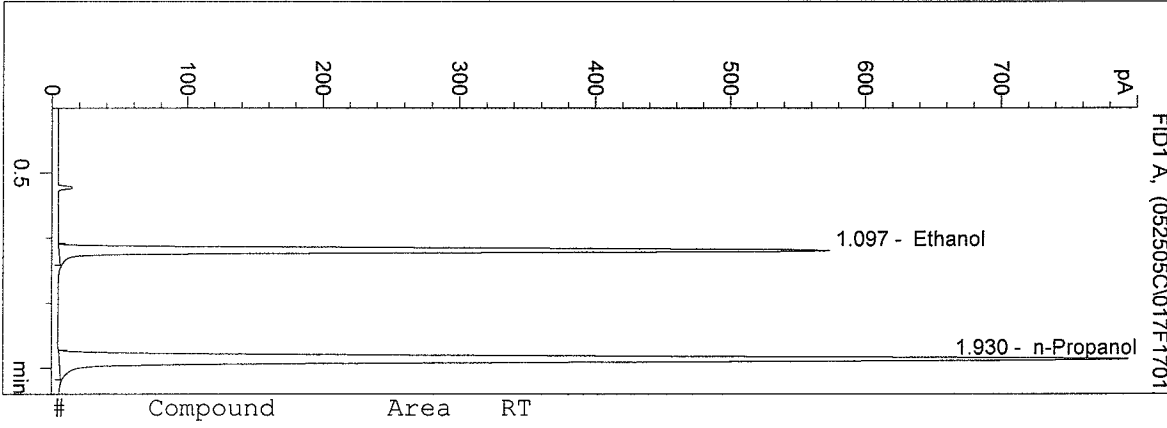
n-Propanol 1.000 g/100ml



D:\HPCHEM\1\METHODS\BLDALCO2.M  
 5/25/2005 2:34:37 PM  
 Instrument 5  
 DB-ALC2

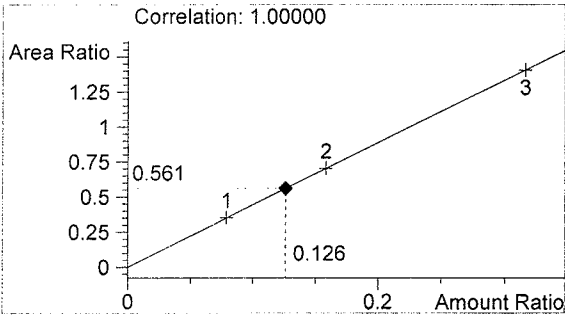
05020  
 ED FORMOSO

vial # 17

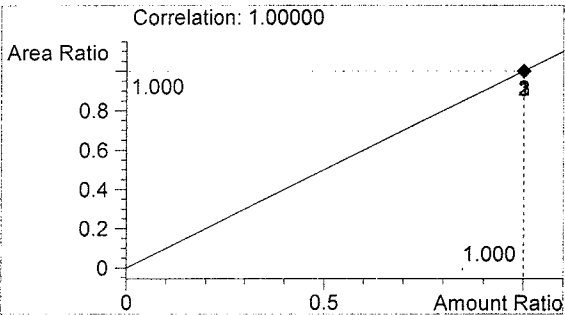


#	Compound	Area	RT
1	Ethanol	1387	1.097
2	n-Propanol	2470	1.930

Totals:



Ethanol 0.126 g/100ml

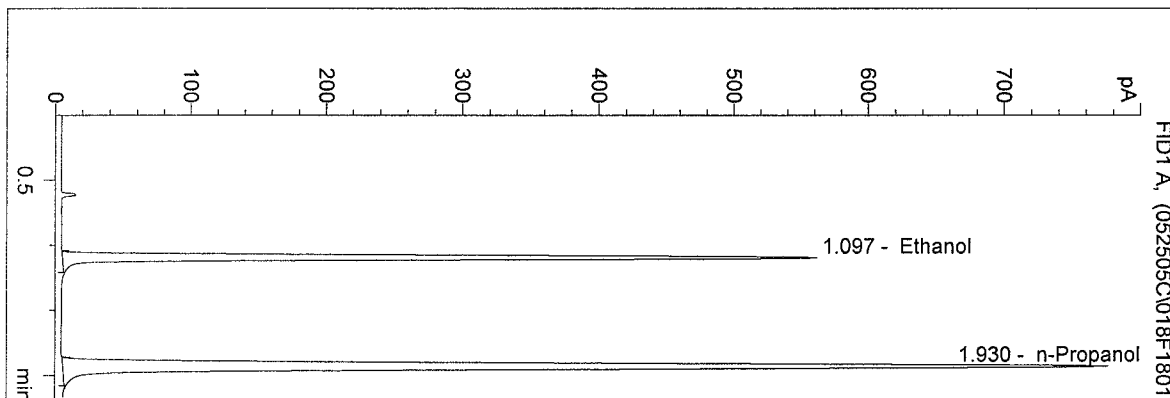


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 5/25/2005 2:37:56 PM  
 Instrument 5  
 DB-ALC2

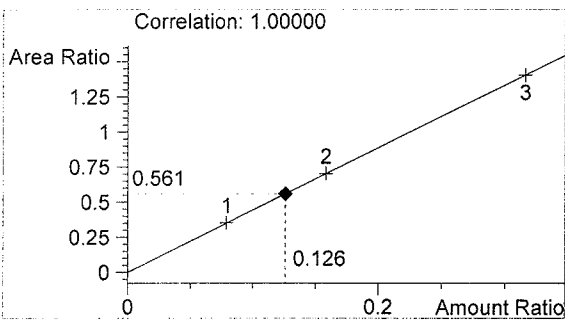
05020  
 ED FORMOSO

vial # 18

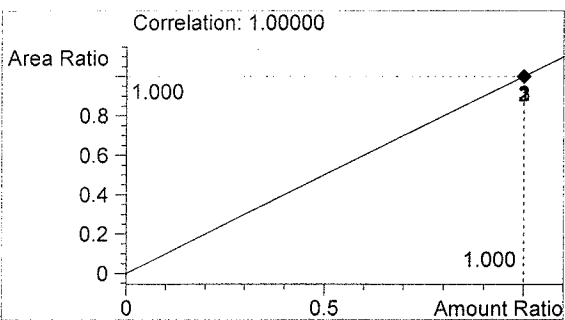


#	Compound	Area	RT
1	Ethanol	1351	1.097
2	n-Propanol	2410	1.930

Totals:



Ethanol 0.126 g/100ml

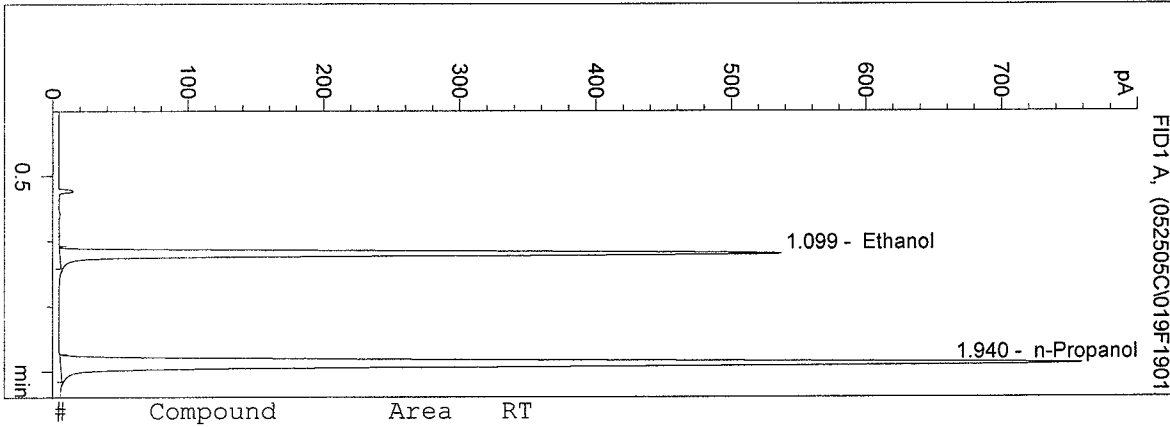


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M  
 5/25/2005 2:41:14 PM  
 Instrument 5  
 DB-ALC2

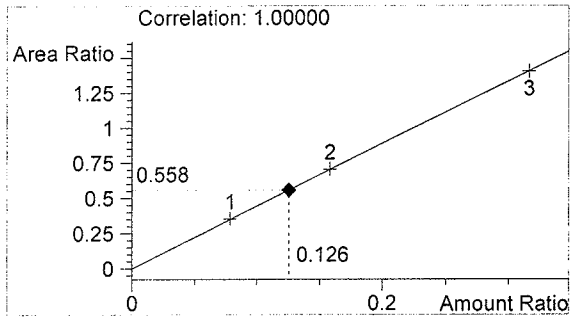
05020  
 ED FORMOSO

vial # 19

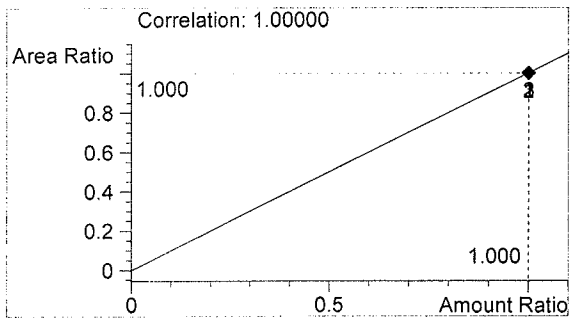


#	Compound	Area	RT
1	Ethanol	1363	1.099
2	n-Propanol	2441	1.940

Totals:



Ethanol 0.126 g/100ml

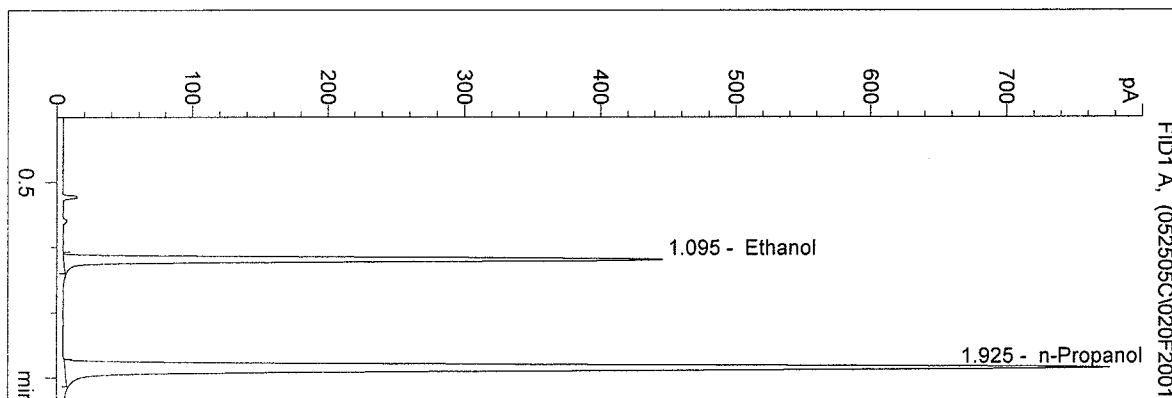


n-Propanol 1.000 g/100ml

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 DB-ALC2

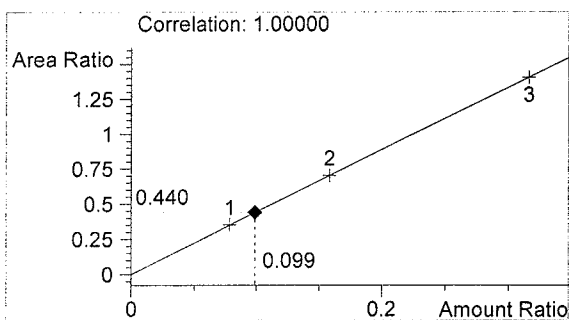
0.10 CONTROL  
 ED FORMOSO

vial # 20

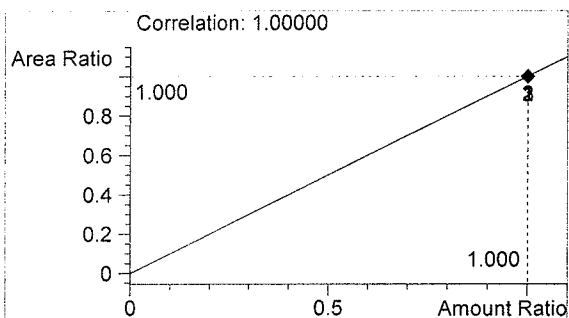


#	Compound	Area	RT
1	Ethanol	1049	1.095
2	n-Propanol	2384	1.925

Totals:



Ethanol 0.099 g/100ml

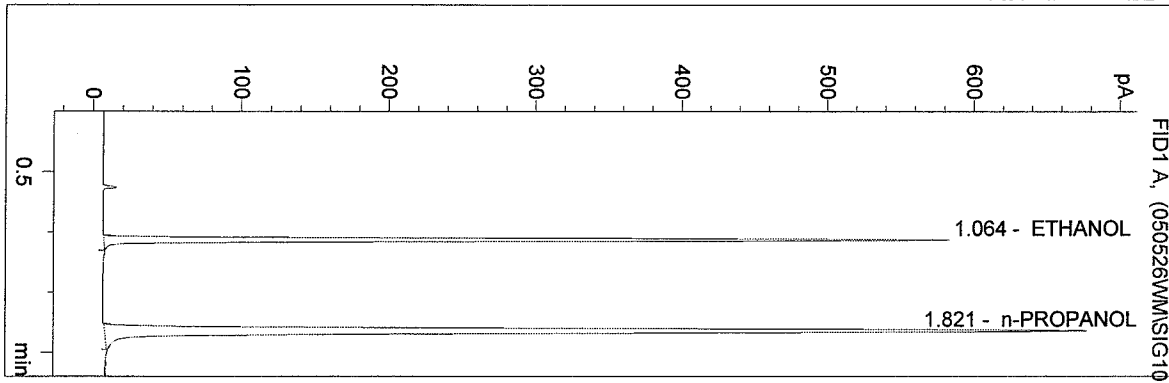


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 9:51:36 AM  
 Instrument 3  
 DB-ALC2

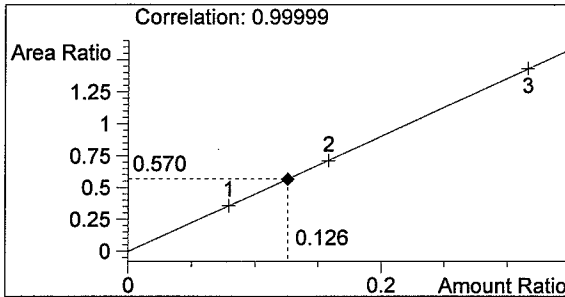
SIM 05020  
 WP Marshall

vial # 22

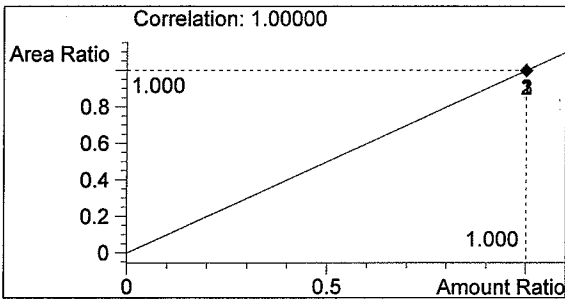


#	Compound	Area	RT
1	ETHANOL	1014	1.064
2	n-PROPANOL	1779	1.821

Totals:



ETHANOL 0.126 g/100mL

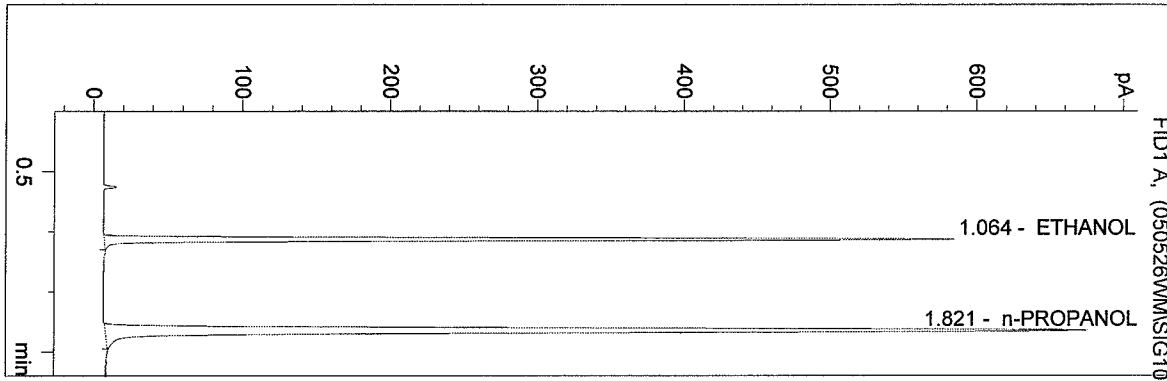


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 9:54:43 AM  
 Instrument 3  
 DB-ALC2

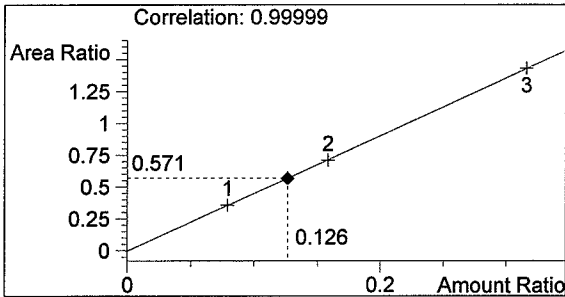
SIM 05020  
 WP Marshall

vial # 23

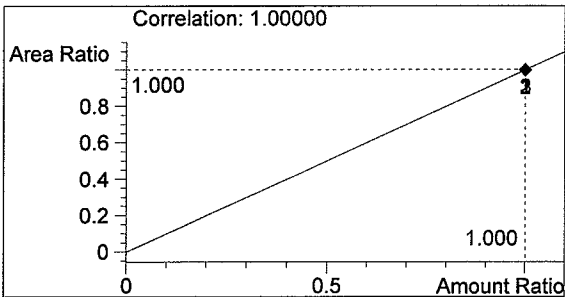


#	Compound	Area	RT
1	ETHANOL	1015	1.064
2	n-PROPANOL	1777	1.821

Totals:



ETHANOL 0.126 g/100mL

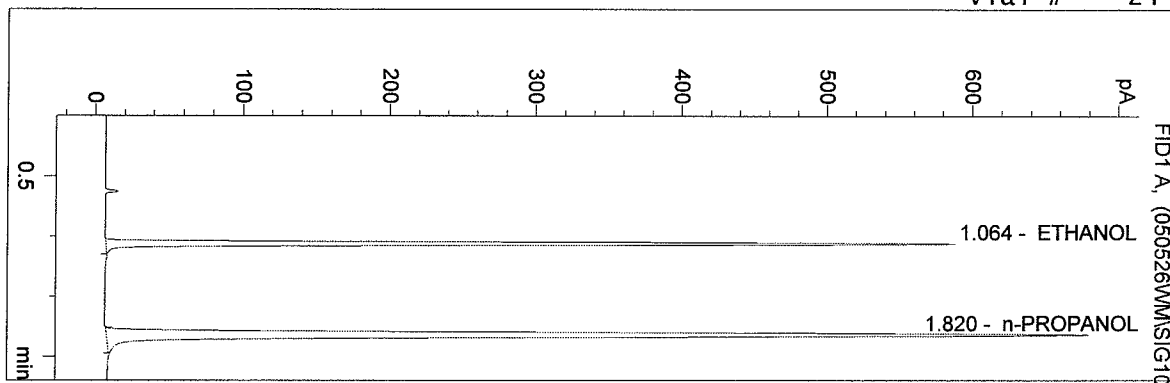


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 9:57:50 AM  
 Instrument 3  
 DB-ALC2

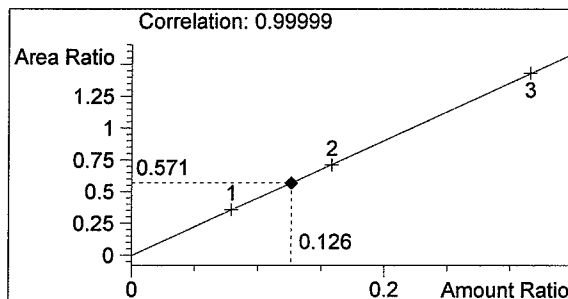
SIM 05020  
 WP Marshall

vial # 24

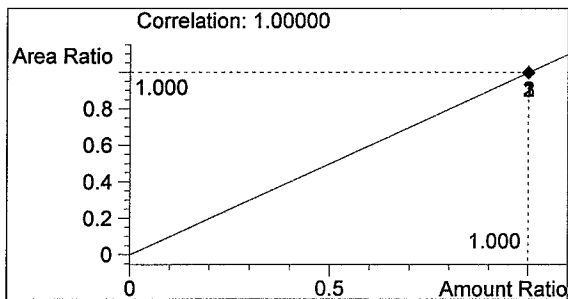


#	Compound	Area	RT
1	ETHANOL	1021	1.064
2	n-PROPANOL	1787	1.820

Totals:



ETHANOL 0.126 g/100mL

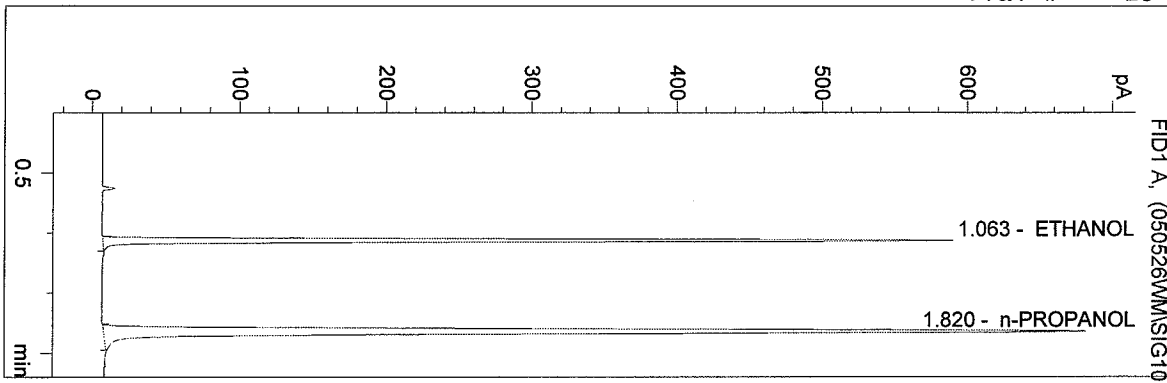


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:00:57 AM  
 Instrument 3  
 DB-ALC2

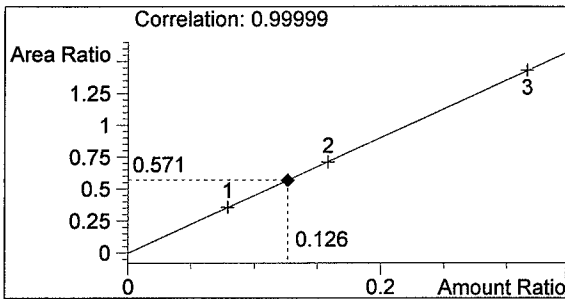
SIM 05020  
 WP Marshall

vial # 25

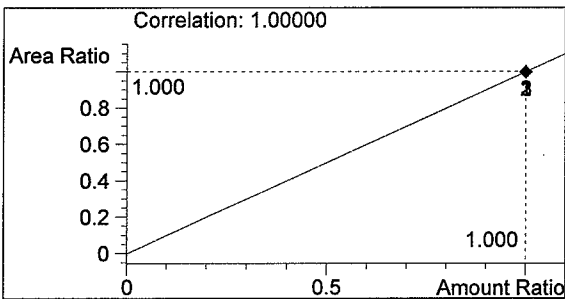


#	Compound	Area	RT
1	ETHANOL	1022	1.063
2	n-PROPANOL	1790	1.820

Totals:



ETHANOL 0.126 g/100mL



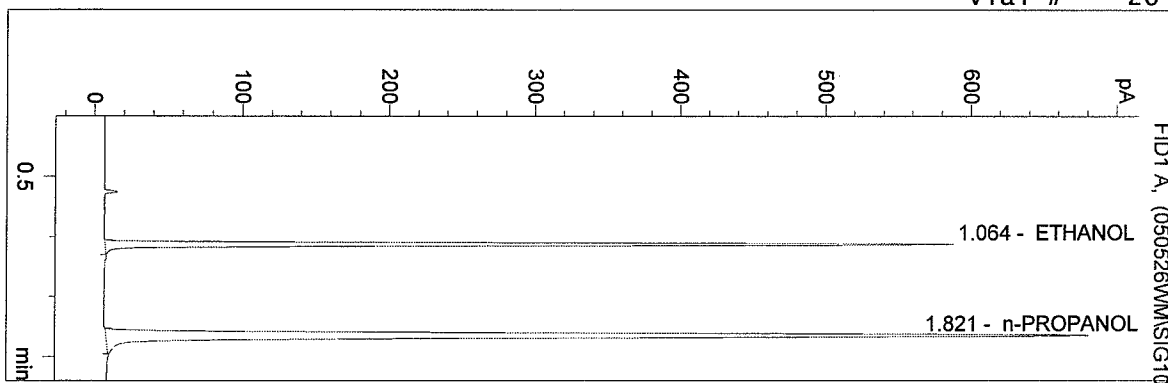
n-PROPANOL 1.000 g/100mL



C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 10:04:04 AM  
 Instrument 3  
 DB-ALC2

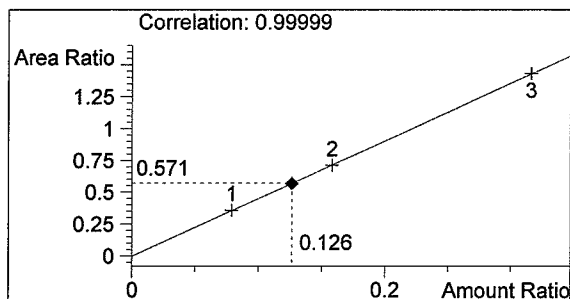
SIM 05020  
 WP Marshall

vial # 26

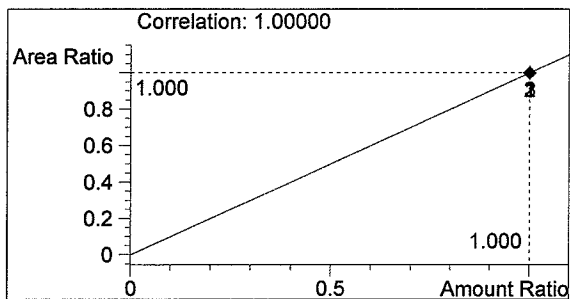


#	Compound	Area	RT
1	ETHANOL	1024	1.064
2	n-PROPANOL	1792	1.821

Totals:



ETHANOL 0.126 g/100mL

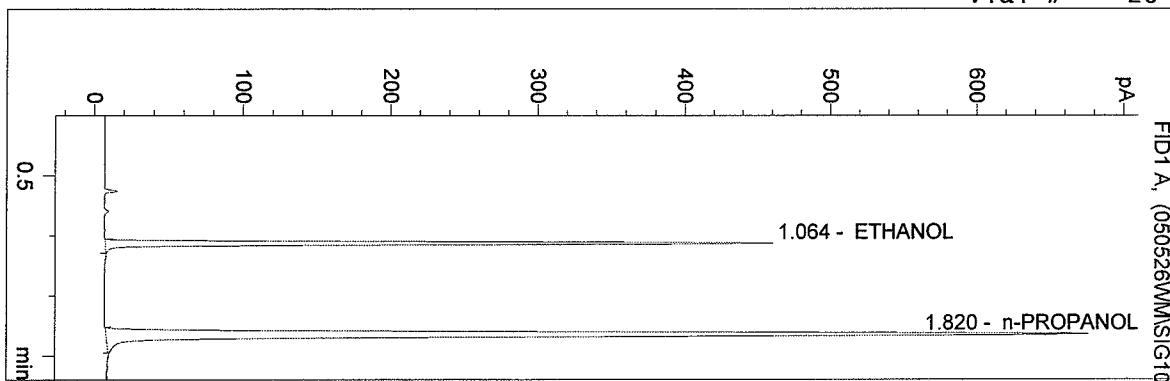


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 9:45:22 AM  
 Instrument 3  
 DB-ALC2

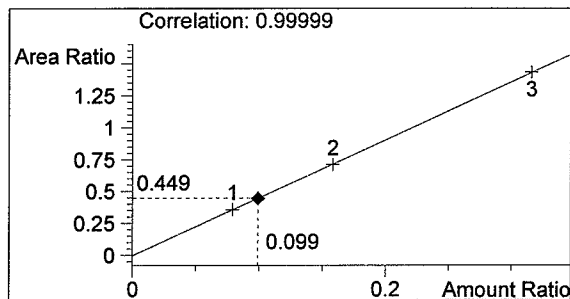
0.10 CONTROL  
 WP Marshall

vial # 20

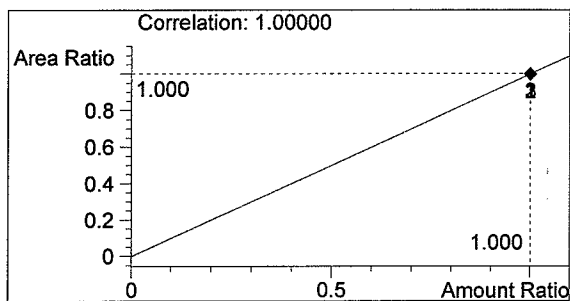


#	Compound	Area	RT
1	ETHANOL	799	1.064
2	n-PROPANOL	1780	1.820

Totals:



ETHANOL 0.099 g/100mL



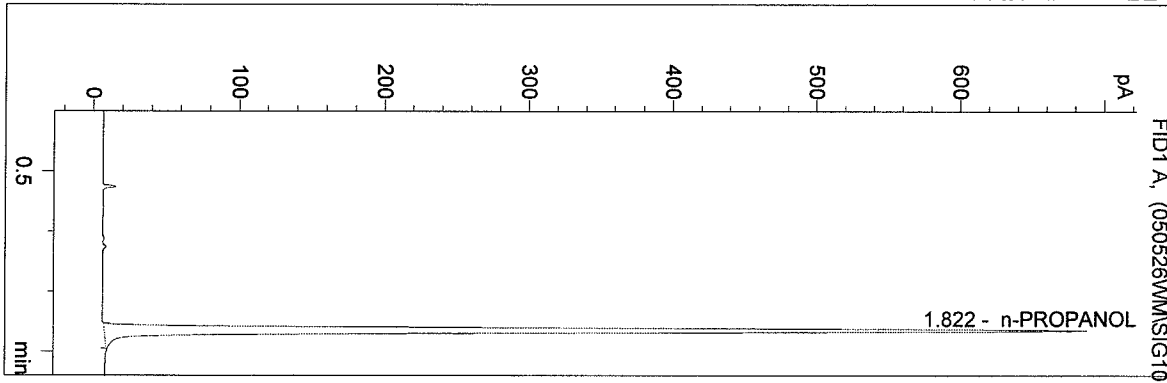
n-PROPANOL 1.000 g/100mL

STDS  
 05018

C:\HPCHEM\1\METHODS\BLDALCO3.M  
 5/26/05 9:48:29 AM  
 Instrument 3  
 DB-ALC2

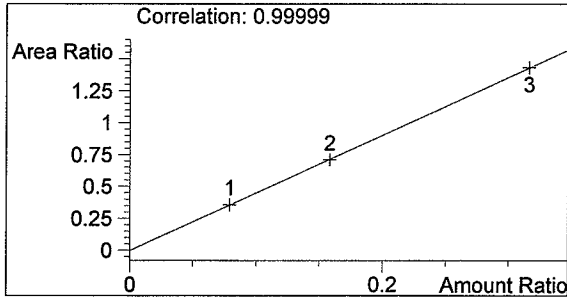
BLANK  
 WP Marshall

vial # 21

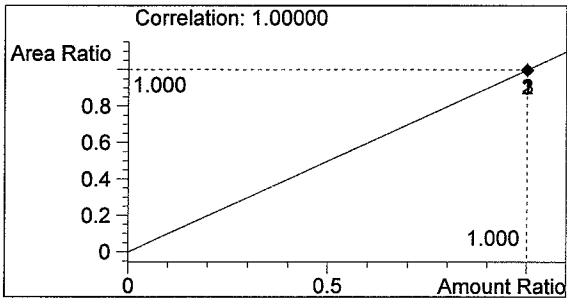


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1808	1.822

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL