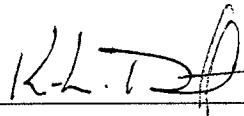


Notice of Simulator Solution File Review

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 / PAUL GOLDBERG Date 10-8-07
Location TOX LAB SEATTLE Batch Number 05025

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: 10-8-07
Reviewer Signature:  Date: 10/8/2007

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

Batch number **05025**

Date: 7/6/2005

Preparation: 22.2 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		0.096	0.096	0.096								
2		0.097	0.095	0.096								
3		0.097	0.095	0.096								
4		0.097	0.096	0.096								
5		0.097	0.096	0.096								
Ctrl		0.099	0.098	0.098								

RLL

External Control:
 Lot #: A028603 Exp date: 12/07
 Target concentration: 0.10 g/100mL

Statistics: 10-11-07
 Avg. solution concent.: 0.0961 g/100 mL
0.0942 SD: 0.00066 *0.00064*
 Range (3xSD): 0.0941 to 0.0981
 Precision CV (%): 0.6899 % *0.0980*

Equivalent vapor concent.: 0.0781 g/210L

Analyst	Name	Signature	Date
1	Naziha Nuwayhid, PhD		
2	Mary E Wilson	<i>Mary E Wilson</i>	07/06/2005
3	Kari Gruendell	<i>Kari Gruendell</i>	07/07/2005
4	Estuardo J. Miranda	<i>Estuardo J. Miranda</i>	07/08/2005
5			
6			
7			
8			
9			
10			
11			
12			

0.6659

Prepared by: Naziha Nuwayhid, PhD according to the approved protocol

July 7, 2005

TO: MEMO TO FILE

FROM: Ann Marie Gordon 
Laboratory Manager
Washington State Toxicology Laboratory

RE: QA Solution 05025

Quality Assurance solution 05025 was prepared by Naziha Nuwayhid, PhD, on July 6, 2005. Dr. Nuwayhid was unavailable to test the batch herself; however, the batch was appropriately certified according to SOP by Kari Gruendell, Estuardo Miranda and Mary Wilson. All criteria was fully acceptable.



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 05025, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0961 grams per 100ml.

Dated: 7/11/05
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

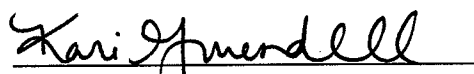
I, Kari D. Gruendell, do certify under penalty of perjury as follows:

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 and two years of analytical laboratory experience.

The quality assurance solution, Lot Number 05025, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0961 grams per 100ml.

Dated: 7/11/05
Seattle, WA


Kari D. Gruendell
Forensic Toxicologist

KDG/la
KDGQA



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, Estuardo J. Miranda, 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: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and seven years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 05025 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0961 grams per 100ml.

Dated: 7/11/05
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist


EM/la
EMQA

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

10-15-2007

July 7, 2005

TO: MEMO TO FILE

FROM: Ann Marie Gordon 
Laboratory Manager
Washington State Toxicology Laboratory

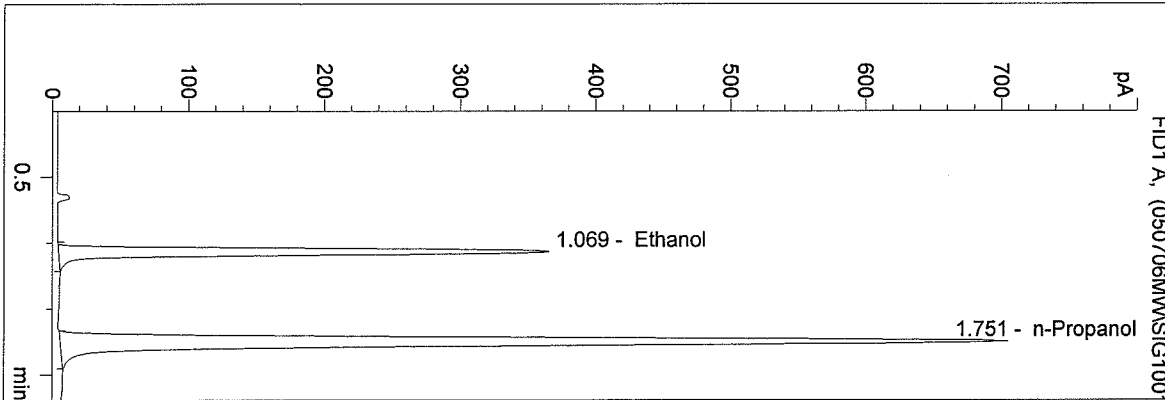
RE: QA Solution 05025

Quality Assurance solution 05025 was prepared by Naziha Nuwayhid, PhD, on July 6, 2005. Dr. Nuwayhid was unavailable to test the batch herself; however, the batch was appropriately certified according to SOP by Kari Gruendell, Estuardo Miranda and Mary Wilson. All criteria was fully acceptable.

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:25:29 PM
 Instrument 1
 DB BAC 1

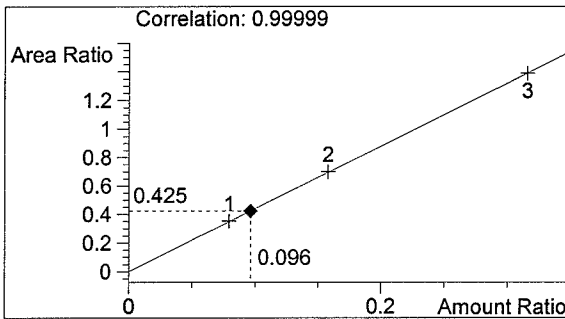
05025 QA
 mary wilson

vial # 17

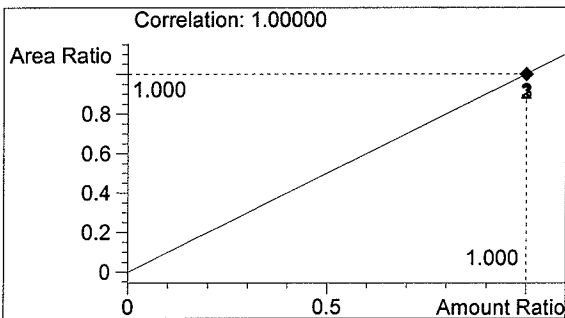


#	Compound	Area	RT
1	Ethanol	1239	1.069
2	n-Propanol	2917	1.751

Totals:



Ethanol 0.096 g/100ml

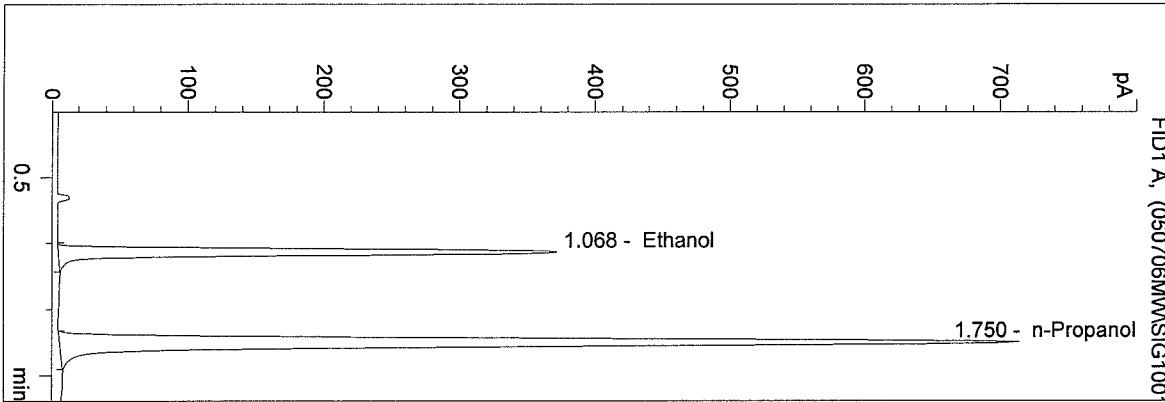


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:28:04 PM
 Instrument 1
 DB BAC 1

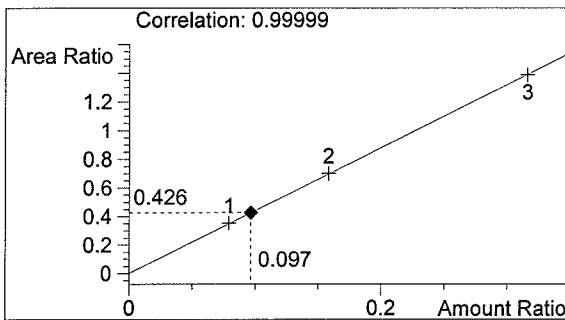
05025 QA
 mary wilson

vial # 18

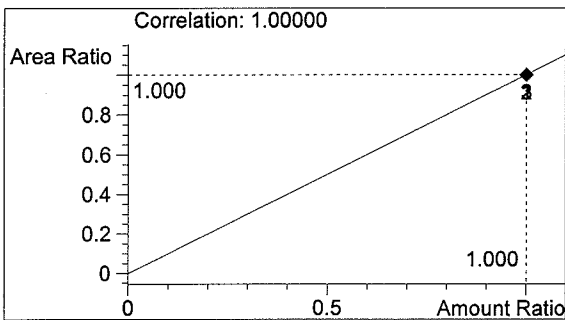


#	Compound	Area	RT
1	Ethanol	1259	1.068
2	n-Propanol	2953	1.750

Totals:



Ethanol 0.097 g/100ml

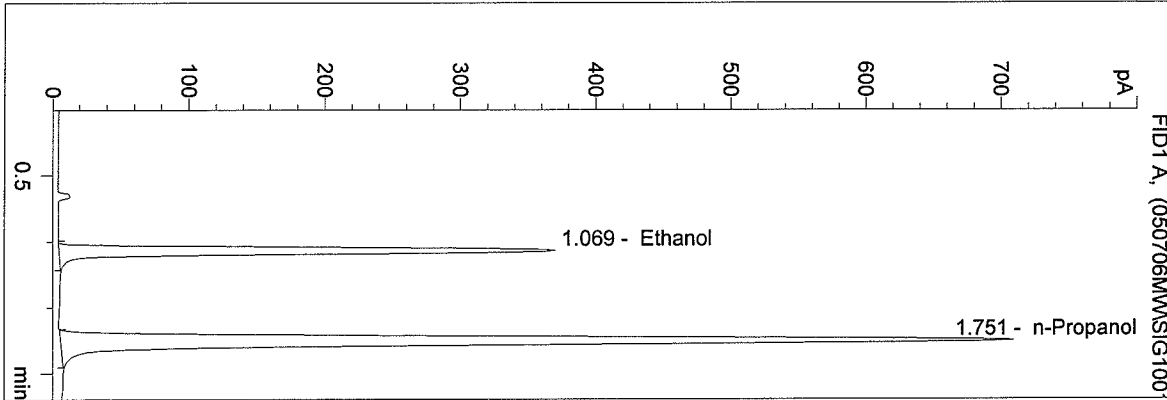


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:30:43 PM
 Instrument 1
 DB BAC 1

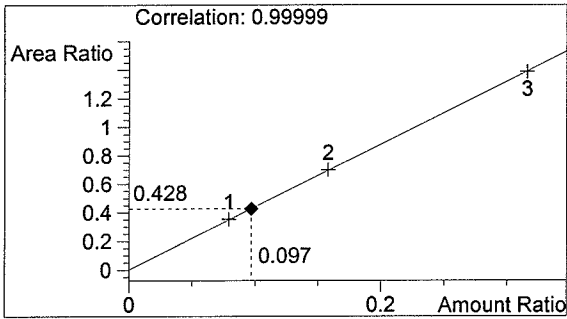
05025 QA
 mary wilson

vial # 19

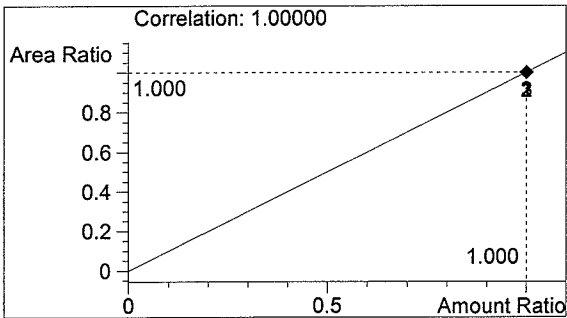


#	Compound	Area	RT
1	Ethanol	1258	1.069
2	n-Propanol	2938	1.751

Totals:



Ethanol 0.097 g/100ml



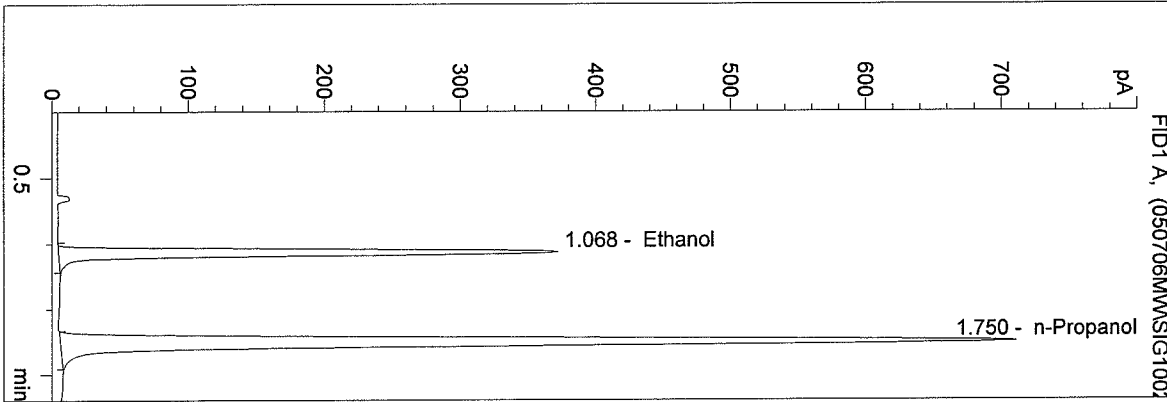
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:33:30 PM
 Instrument 1
 DB BAC 1

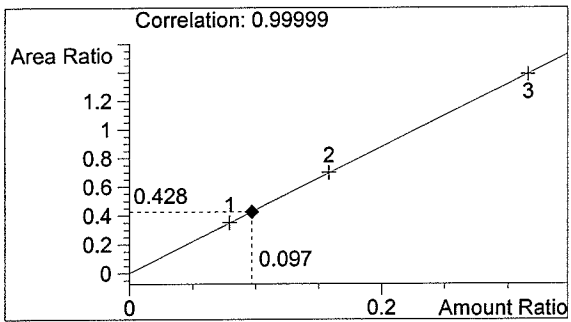
05025 QA
 mary wilson

vial # 20

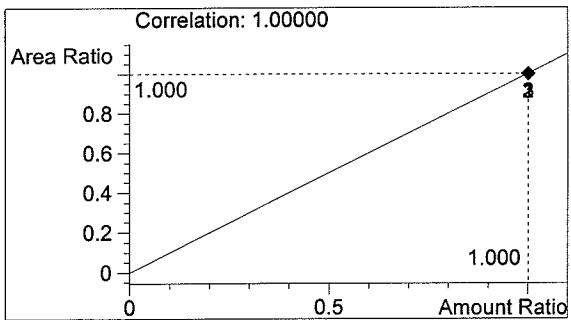


#	Compound	Area	RT
1	Ethanol	1261	1.068
2	n-Propanol	2945	1.750

Totals:



Ethanol 0.097 g/100ml

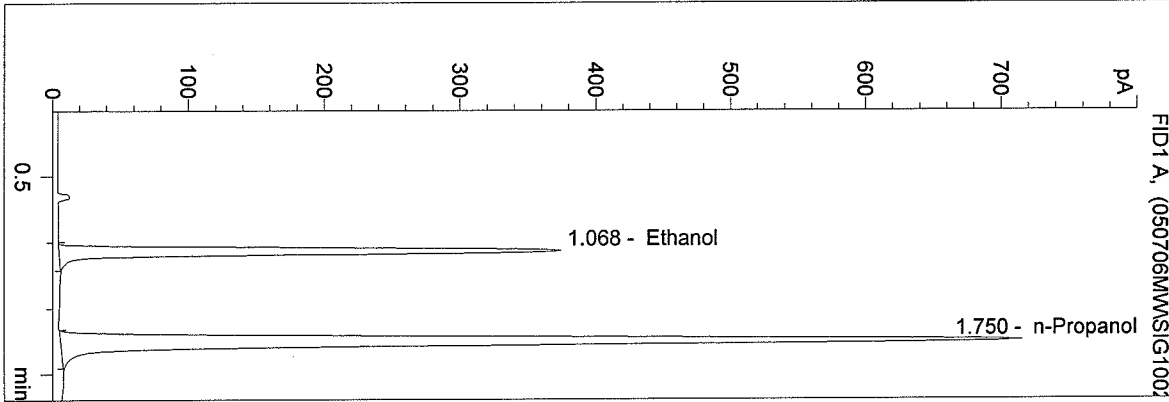


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:36:57 PM
 Instrument 1
 DB BAC 1

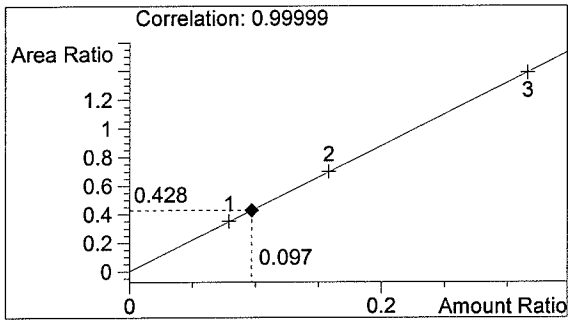
05025 QA
 mary wilson

vial # 21

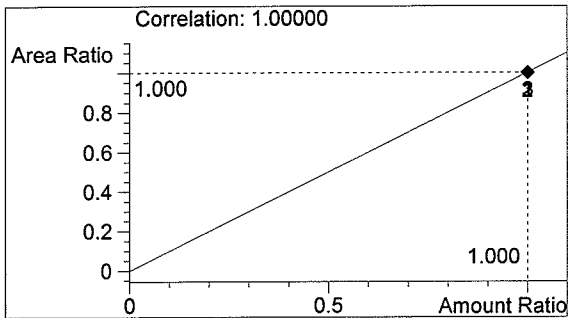


#	Compound	Area	RT
1	Ethanol	1269	1.068
2	n-Propanol	2961	1.750

Totals:



Ethanol 0.097 g/100ml

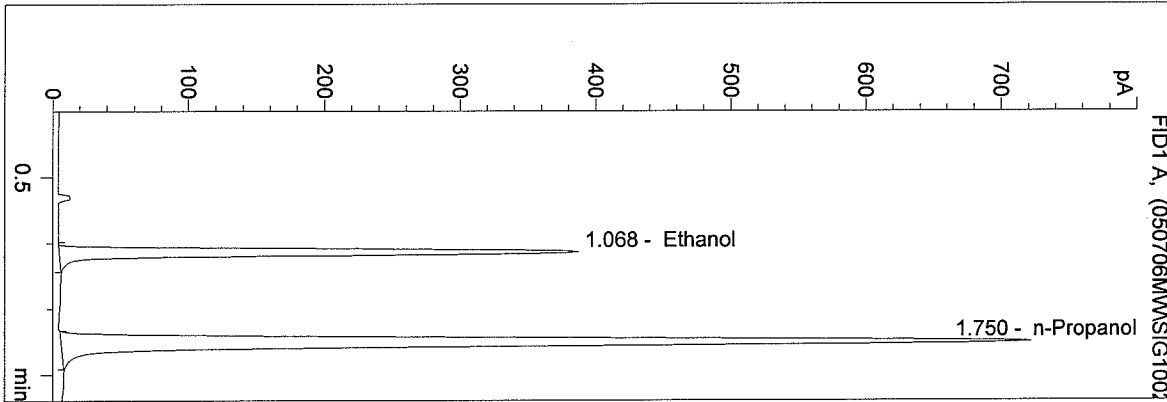


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:39:32 PM
 Instrument 1
 DB BAC 1

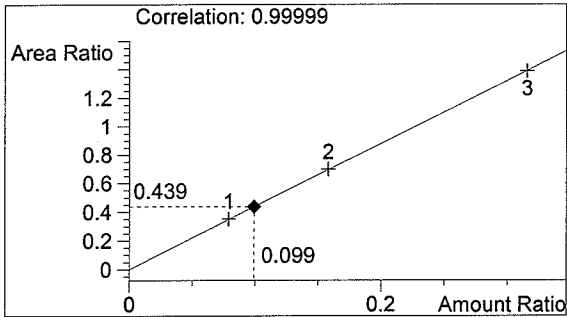
0.10CTLMW
 mary wilson

vial # 22

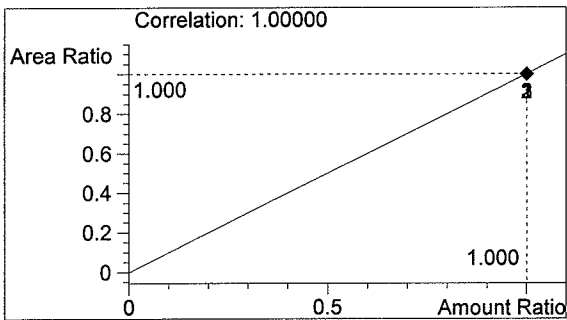


#	Compound	Area	RT
1	Ethanol	1314	1.068
2	n-Propanol	2995	1.750

Totals:



Ethanol 0.099 g/100ml

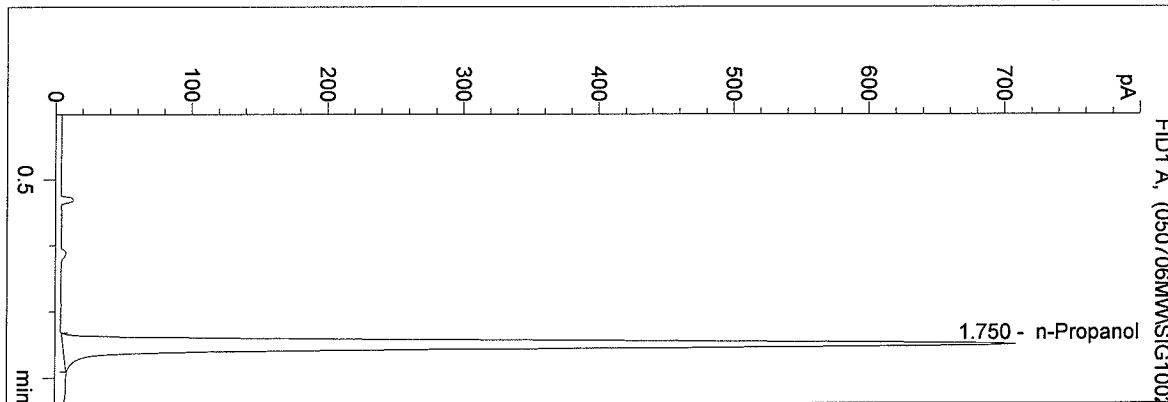


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:42:08 PM
 Instrument 1
 DB BAC 1

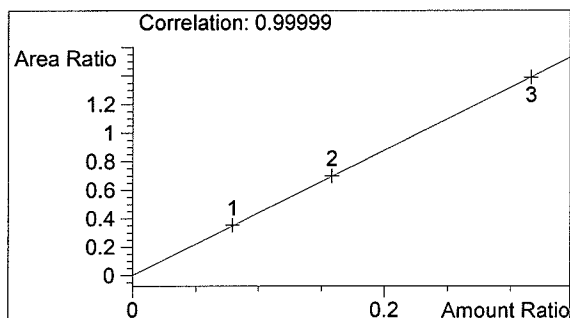
blank
 mary wilson

vial # 23

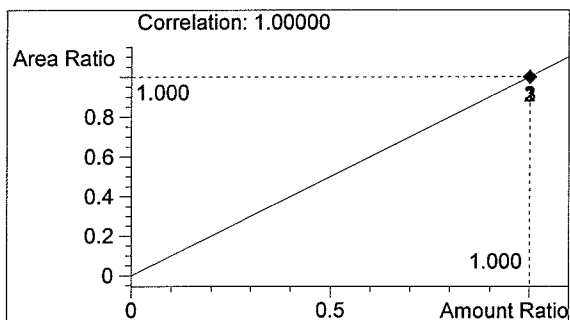


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2936	1.750

Totals:



Ethanol 0.000 g/100ml

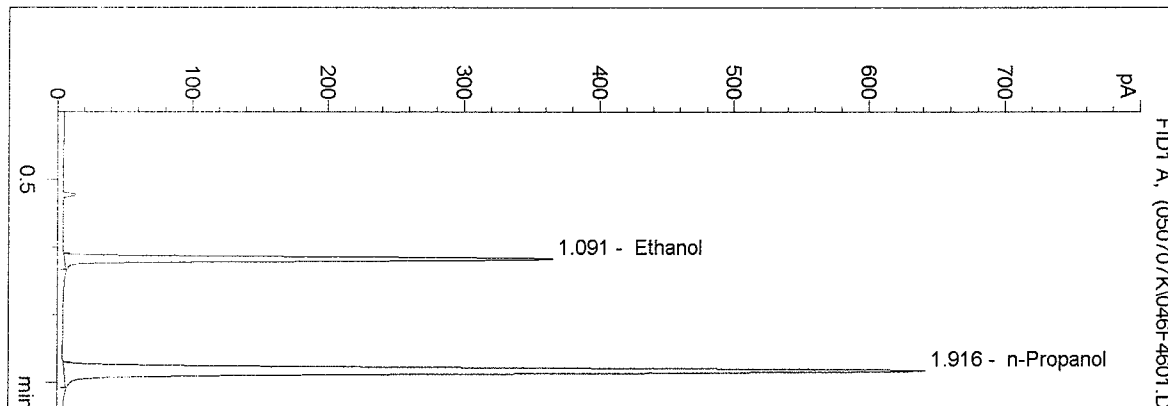


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:15:41 PM
 Instrument 5
 DB-ALC2

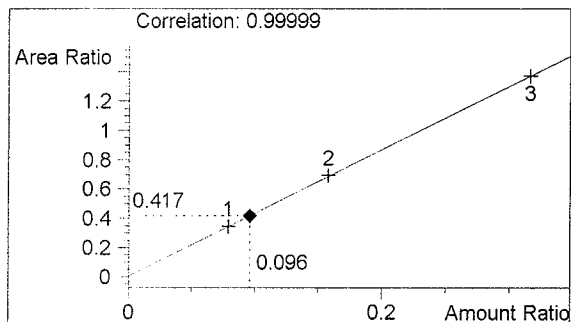
QA 05025 KG #1
 Kari Gruendell

vial # 46

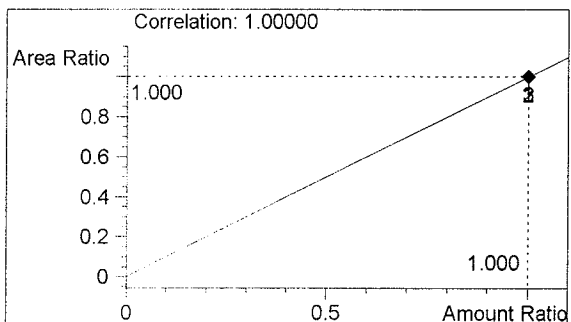


#	Compound	Area	RT
1	Ethanol	800	1.091
2	n-Propanol	1917	1.916

Totals:



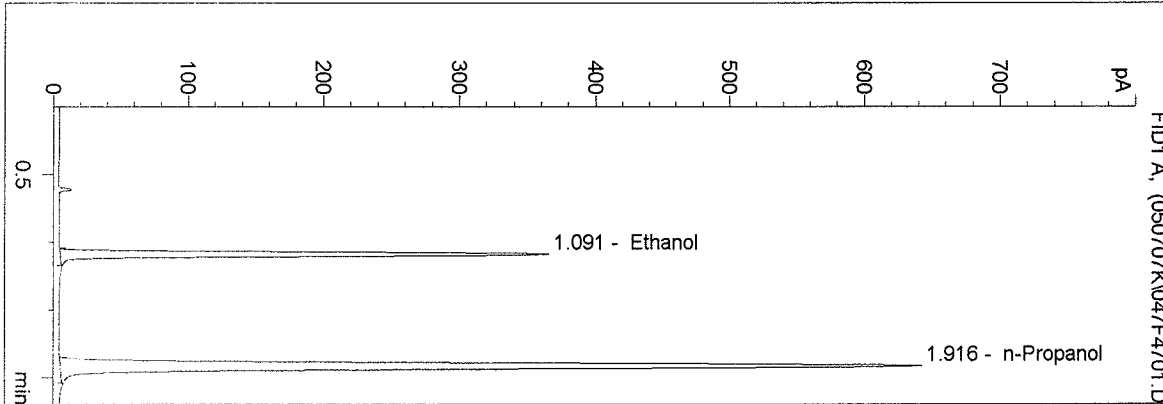
Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

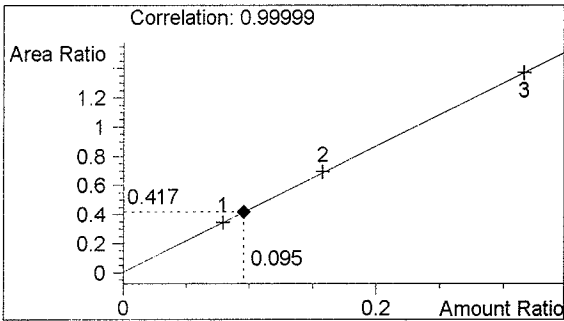
D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:18:45 PM
 Instrument 5
 DB-ALC2

QA 05025 KG #2
 Kari Gruendell
 vial # 47

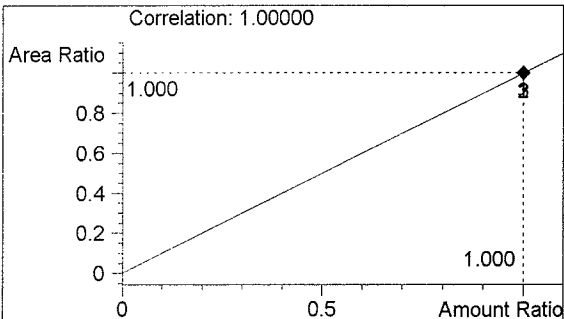


#	Compound	Area	RT
1	Ethanol	801	1.091
2	n-Propanol	1922	1.916

Totals:



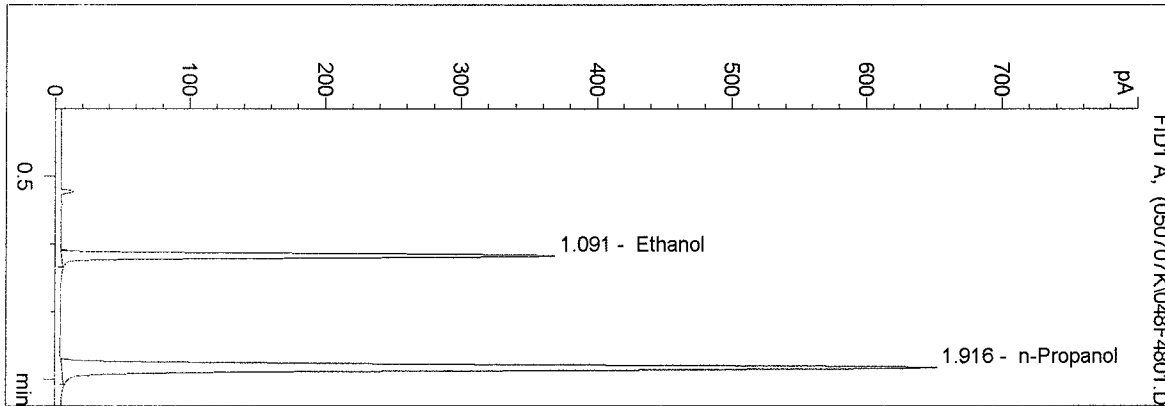
Ethanol 0.095 g/100ml



n-Propanol 1.000 g/100ml

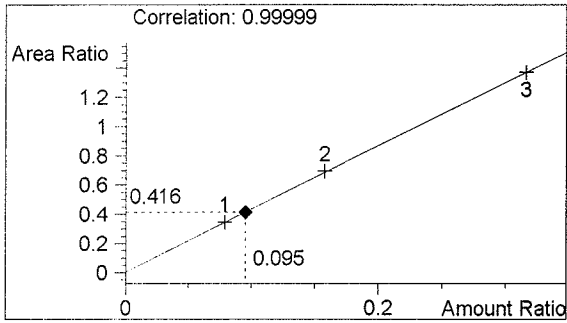
D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:21:41 PM
 Instrument 5
 DB-ALC2

QA 05025 KG #3
 Kari Gruendell
 vial # 48

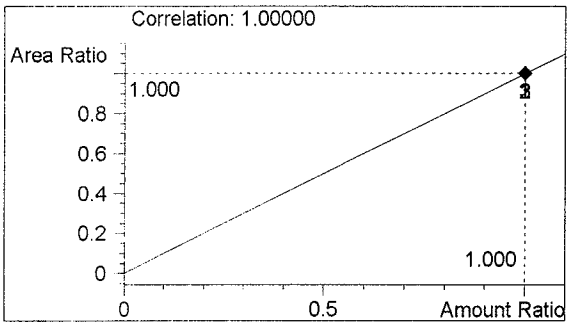


#	Compound	Area	RT
1	Ethanol	808	1.091
2	n-Propanol	1943	1.916

Totals:



Ethanol 0.095 g/100ml

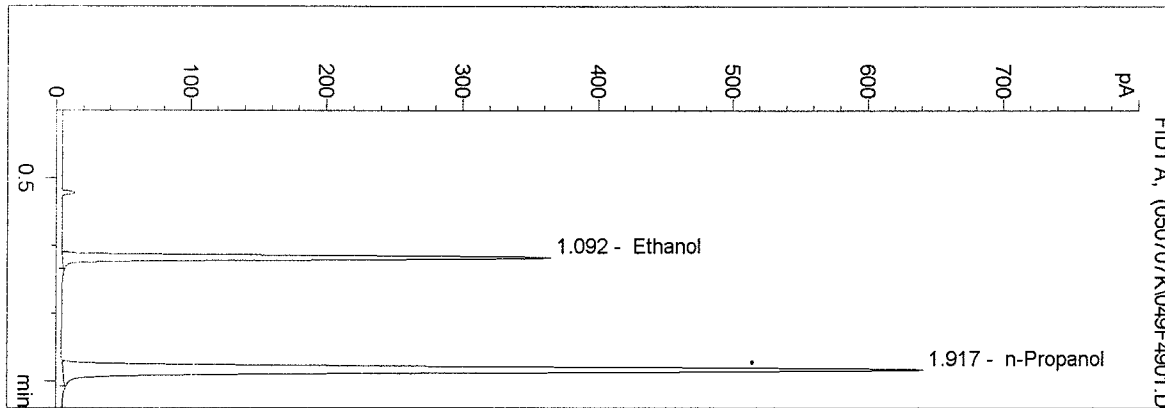


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:24:36 PM
 Instrument 5
 DB-ALC2

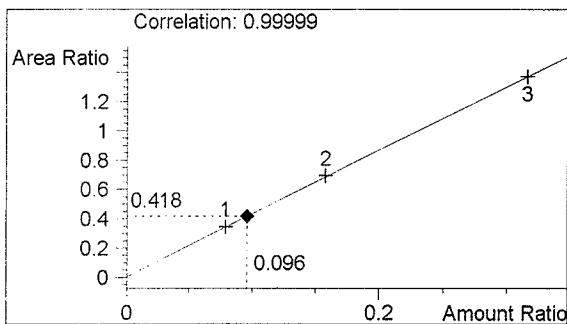
QA 05025 KG #4
 Kari Gruendell

vial # 49

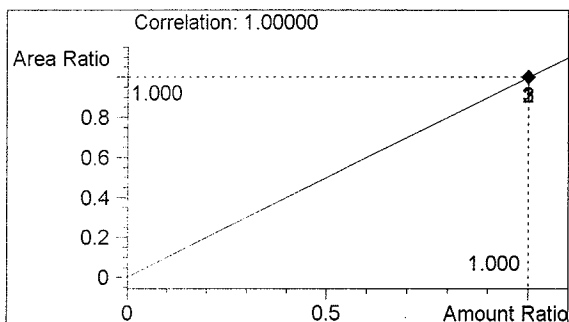


#	Compound	Area	RT
1	Ethanol	800	1.092
2	n-Propanol	1915	1.917

Totals:



Ethanol 0.096 g/100ml

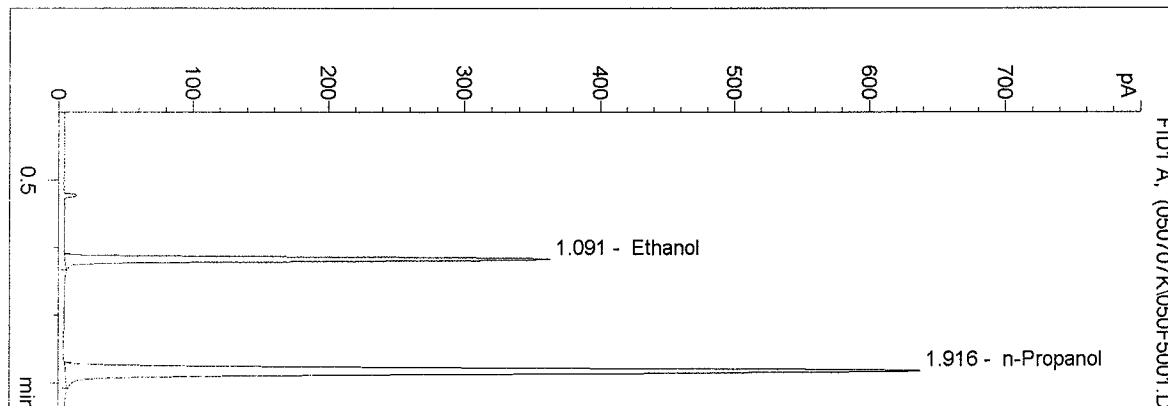


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:27:47 PM
 Instrument 5
 DB-ALC2

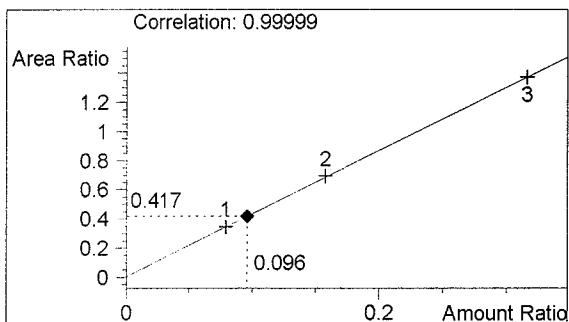
QA 05025 KG #5
 Kari Gruendell

vial # 50

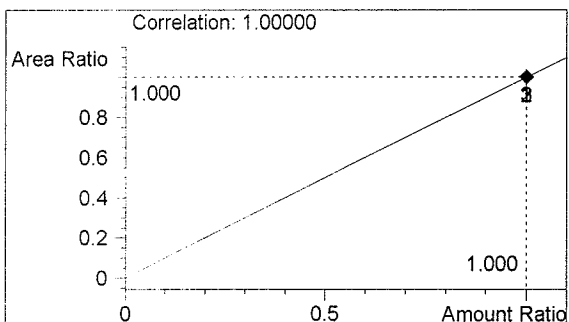


#	Compound	Area	RT
1	Ethanol	797	1.091
2	n-Propanol	1910	1.916

Totals:



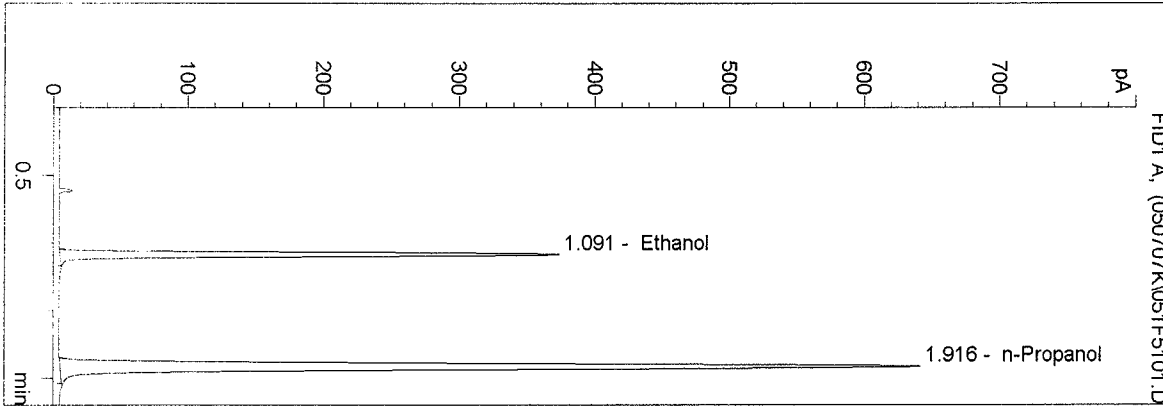
Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

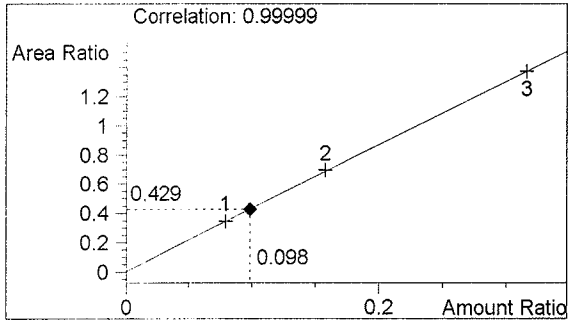
D:\HPCHEM\1\METHODS\BLDALCO2.M
 7/7/2005 1:30:42 PM
 Instrument 5
 DB-ALC2

0.10 CONTROL KG
 Kari Gruendell
 vial # 51

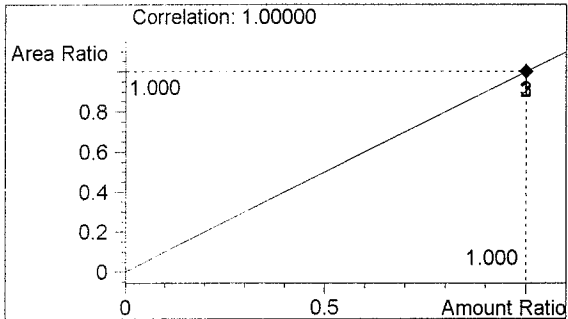


#	Compound	Area	RT
1	Ethanol	821	1.091
2	n-Propanol	1914	1.916

Totals:



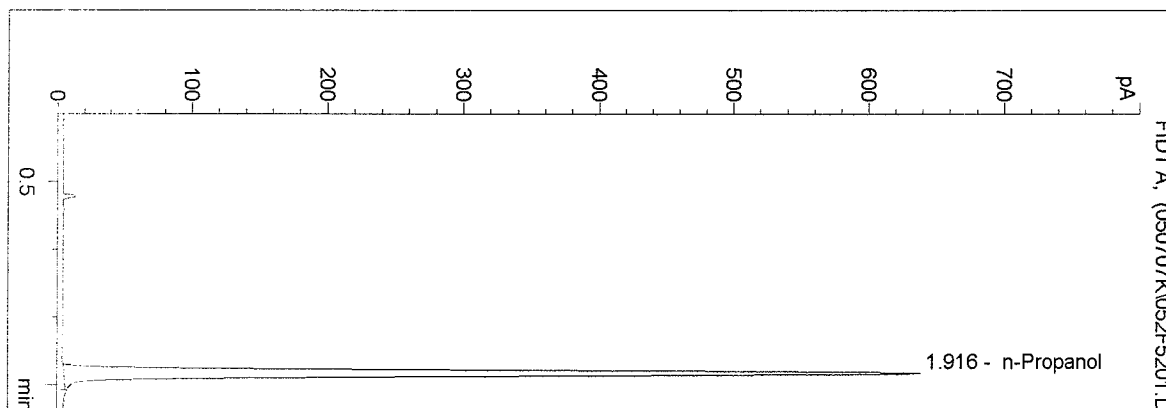
Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

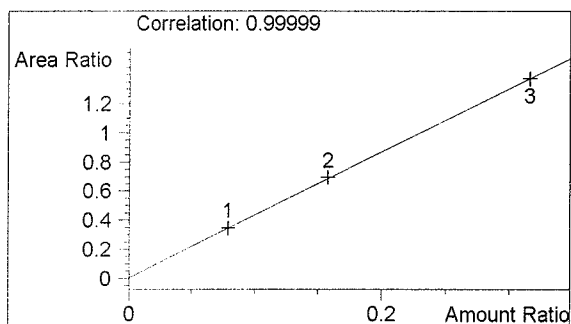
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 7/7/2005 1:33:37 PM
 Instrument 5
 DB-ALC2

BLANK
 Kari Gruendell
 vial # 52

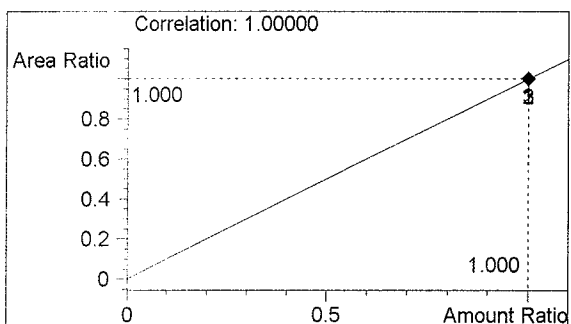


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1907	1.916

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sequence Parameters:

Operator: Estuardo J. Miranda
Data File Naming: Auto
Data Directory: D:\HPCHEM\1\DATA\
Data Subdirectory: 050708JM
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	QA Sim 05025-1	BLDALCO	1	Sample		
2	Vial 2	QA Sim 05025-1	BLDALCO	1	Sample		
3	Vial 3	QA Sim 05025-1	BLDALCO	1	Sample		
4	Vial 4	QA Sim 05025-1	BLDALCO	1	Sample		
5	Vial 5	QA Sim 05025-1	BLDALCO	1	Sample		
6	Vial 6	0.100 Control	BLDALCO	1	Ctrl Samp		
7	Vial 7	Blank	BLDALCO	1	Sample		

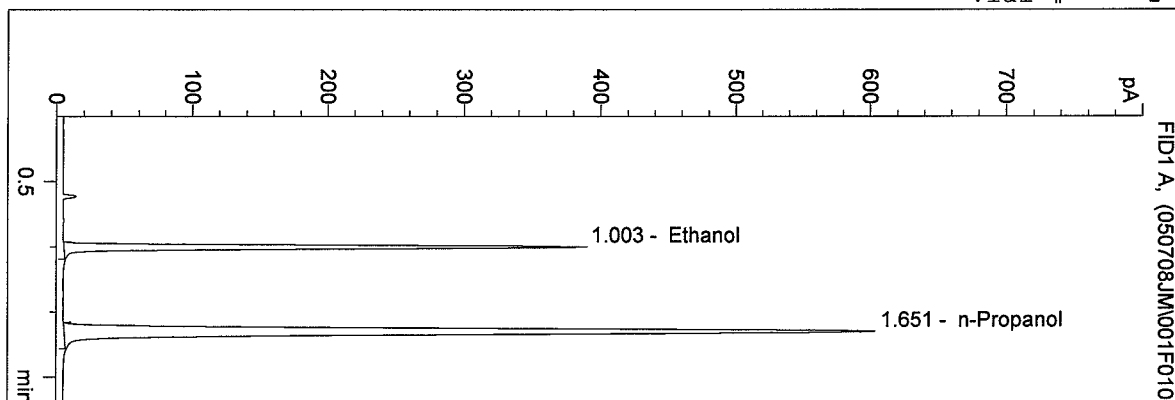
Sequence Table (Back Injector):

No entries - empty table!

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 9:49:49 AM
 Instrument 4
 DB-ALC1

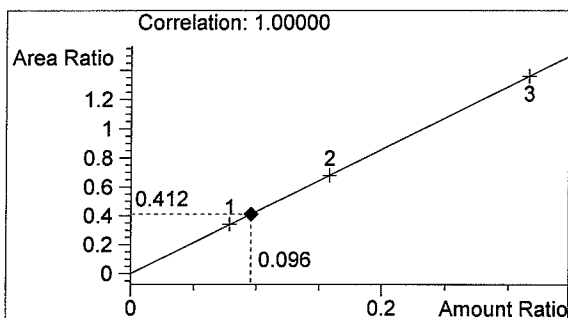
QA Sim 05025-1
 Estuardo J. Miranda

vial # 1

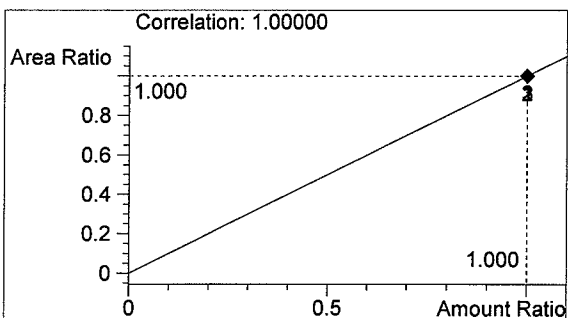


#	Compound	Area	RT
1	Ethanol	774	1.003
2	n-Propanol	1878	1.651

Totals:



Ethanol 0.096 g/100ml

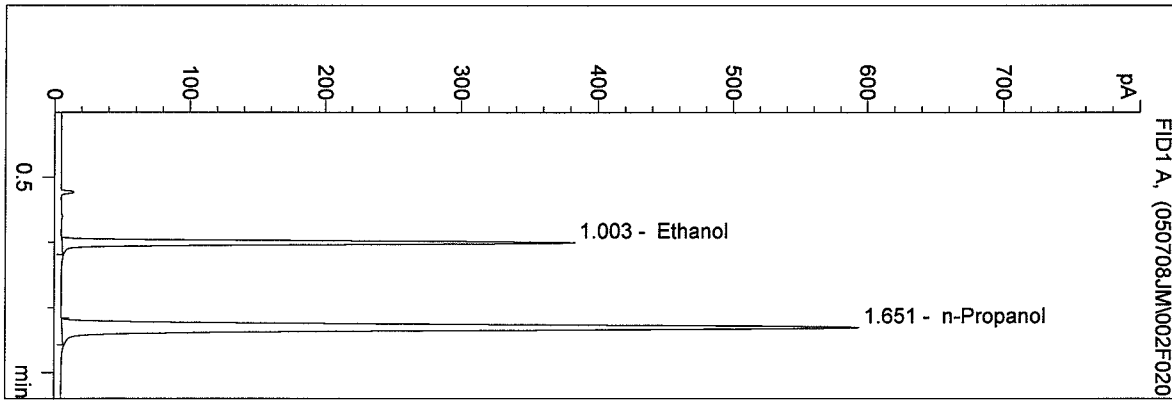


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 9:53:05 AM
 Instrument 4
 DB-ALC1

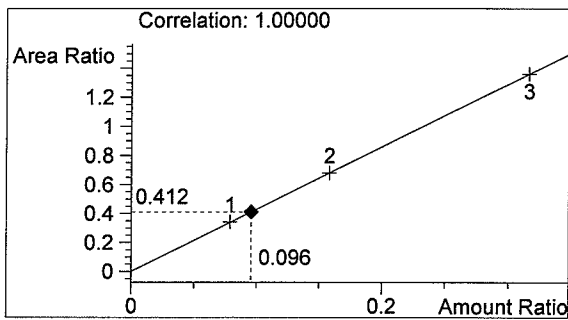
QA Sim 05025-1
 Estuardo J. Miranda

vial # 2

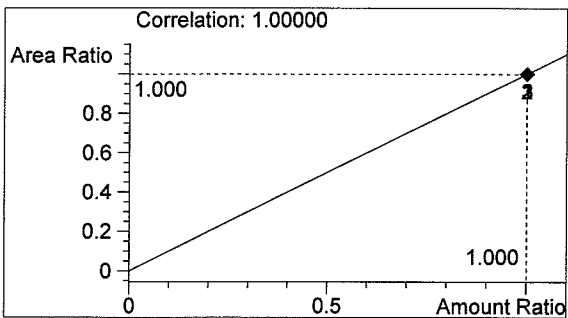


#	Compound	Area	RT
1	Ethanol	760	1.003
2	n-Propanol	1844	1.651

Totals:



Ethanol 0.096 g/100ml

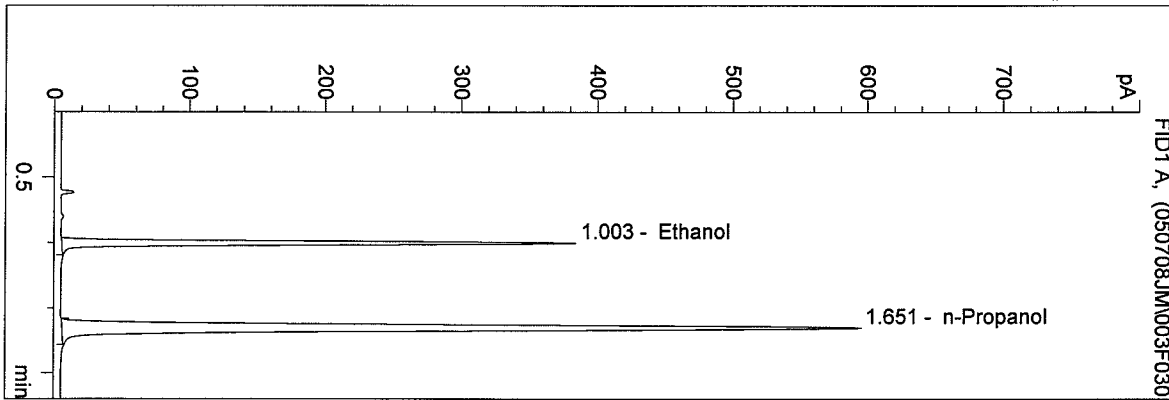


n-Propanol 1.000 g/100ml

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 7/8/2005 9:56:20 AM
 Instrument 4
 DB-ALC1

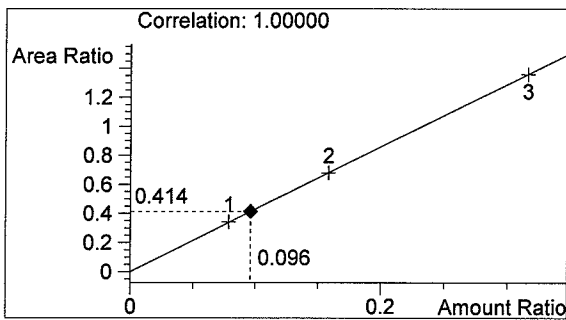
QA Sim 05025-1
 Estuardo J. Miranda

vial # 3

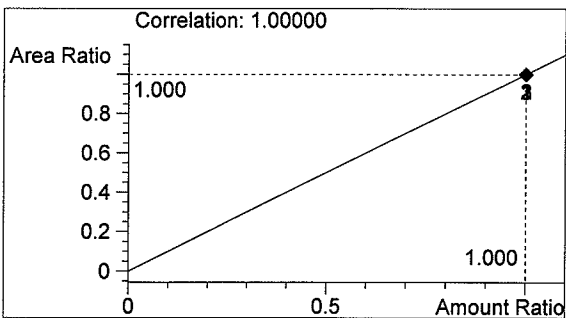


#	Compound	Area	RT
1	Ethanol	766	1.003
2	n-Propanol	1850	1.651

Totals:



Ethanol 0.096 g/100ml

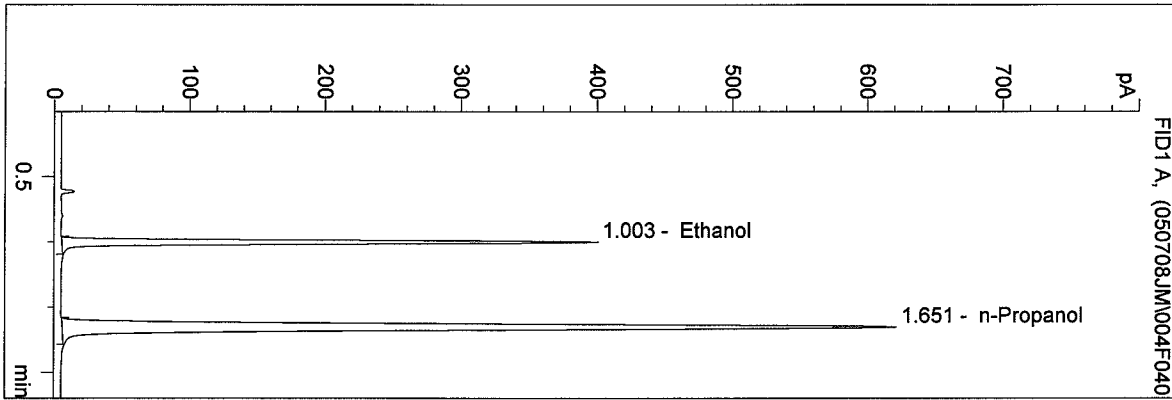


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 9:59:32 AM
 Instrument 4
 DB-ALC1

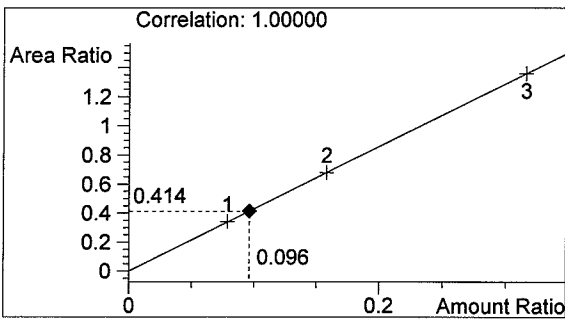
QA Sim 05025-1
 Estuardo J. Miranda

vial # 4

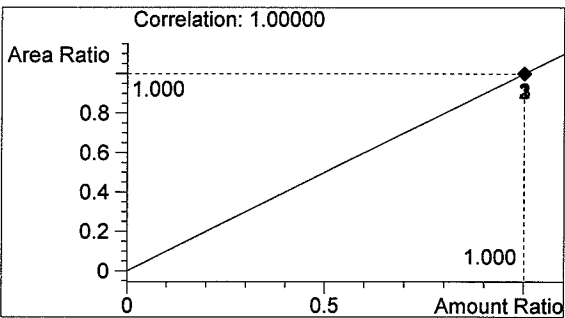


#	Compound	Area	RT
1	Ethanol	800	1.003
2	n-Propanol	1933	1.651

Totals:



Ethanol 0.096 g/100ml

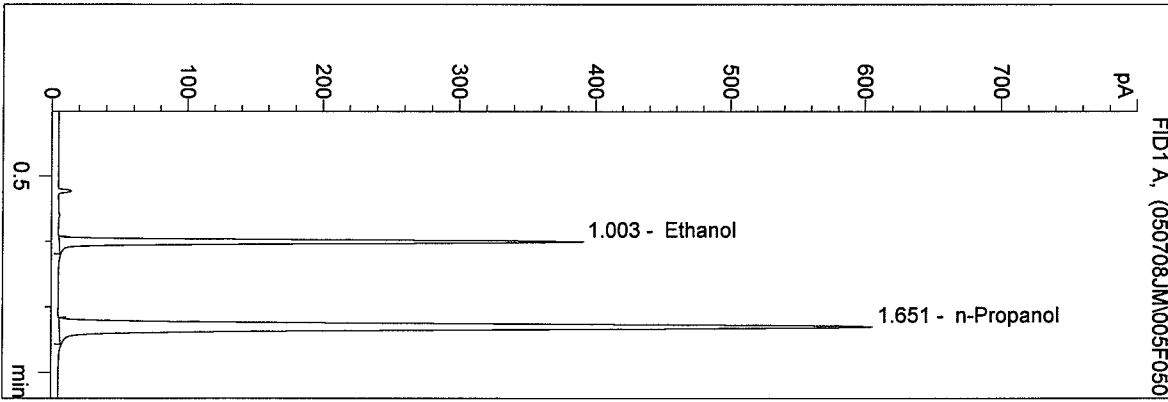


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 10:02:43 AM
 Instrument 4
 DB-ALC1

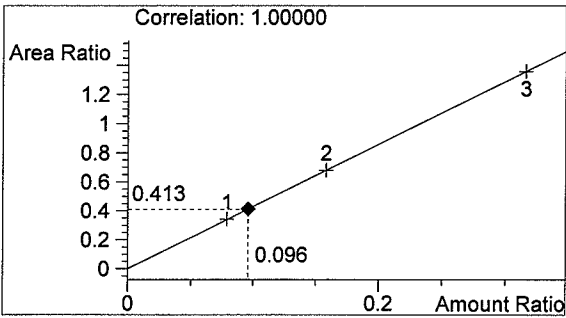
QA Sim 05025-1
 Estuardo J. Miranda

vial # 5

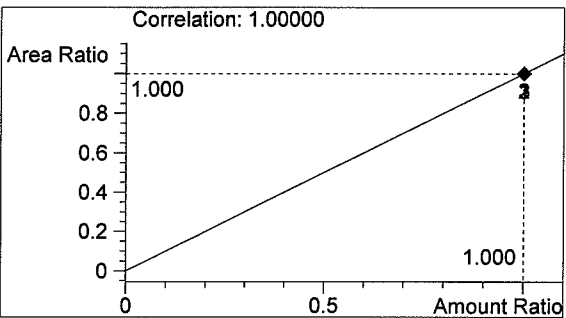


#	Compound	Area	RT
1	Ethanol	778	1.003
2	n-Propanol	1886	1.651

Totals:



Ethanol 0.096 g/100ml

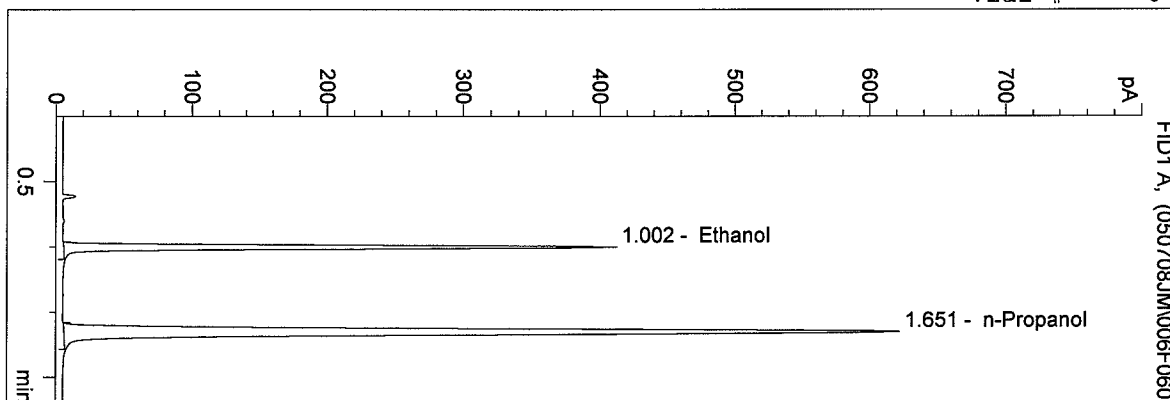


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 10:05:52 AM
 Instrument 4
 DB-ALC1

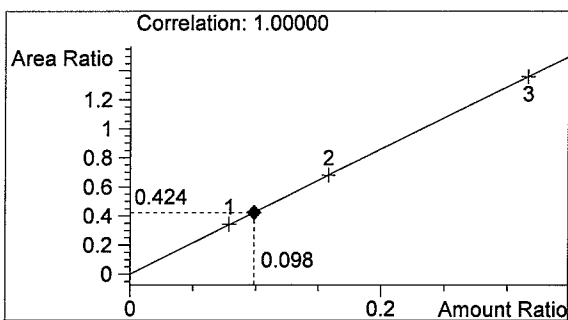
0.100 Control
 Estuardo J. Miranda

vial # 6

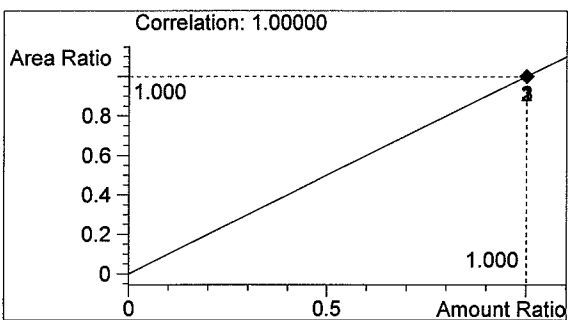


#	Compound	Area	RT
1	Ethanol	821	1.002
2	n-Propanol	1938	1.651

Totals:



Ethanol 0.098 g/100ml

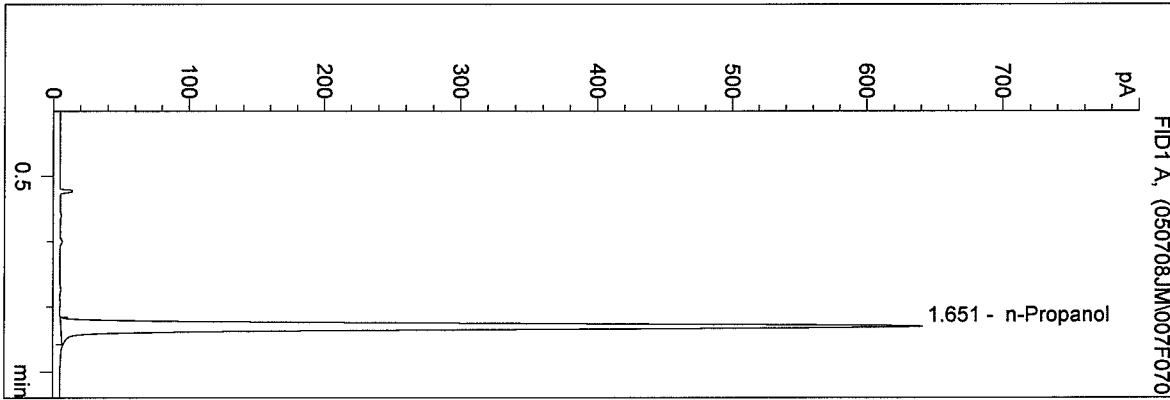


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
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 Instrument 4
 DB-ALC1

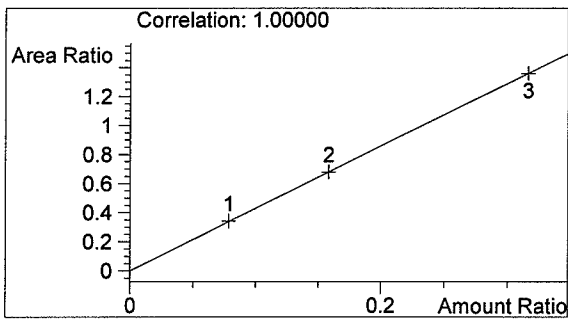
Blank
 Estuardo J. Miranda

vial # 7

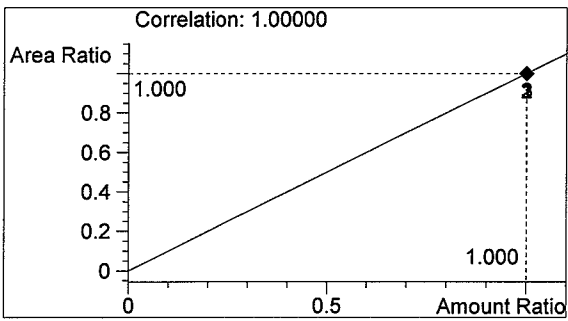


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1999	1.651

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml