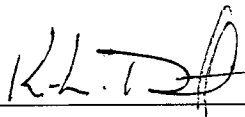
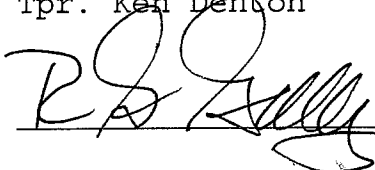


Notice of Simulator Solution File Review

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.

	<u>10/15/2007</u>
Tpr. Ken Denton	Date
	<u>10-15-07</u>
Rod G. Gullberg	Date

Washington State Toxicology Laboratory
Simulator Solution Data Entry Review Form

Reviewer KREUZENTON/TOM GULLBERG Date 10-8-07
Location TOX LAB SEATTLE Batch Number 05026

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

Batch number **05026**

Date: 7/6/2005

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		0.125	0.124	0.126								
2		0.126	0.124	0.126								
3		0.126	0.124	0.126								
4		0.126	0.125	0.127								
5		0.126	0.125	0.126								
Ctrl		0.100	0.098	0.099								

External Control:

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

Statistics:


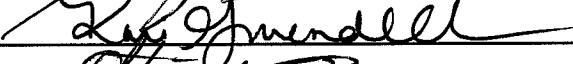
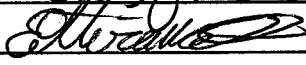
Avg. solution concent.: 0.1255 g/100 mL

SD: 0.00084

Range (3xSD): 0.1230 to 0.1280

Precision CV (%): 0.6708 %

Equivalent vapor concent.: 0.1020 g/210L

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

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 05026

Quality Assurance solution 05026 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

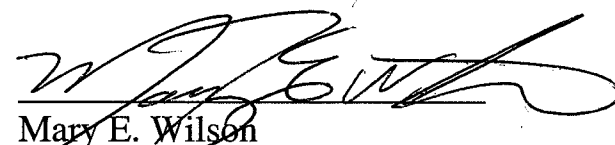
I, Mary E. Wilson, do certify under penalty of perjury as follows:

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 05026, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1255 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

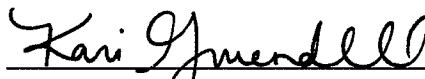
I, Kari D. Gruendell, do certify under penalty of perjury as follows:

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 05026, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1255 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 05026 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1255 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

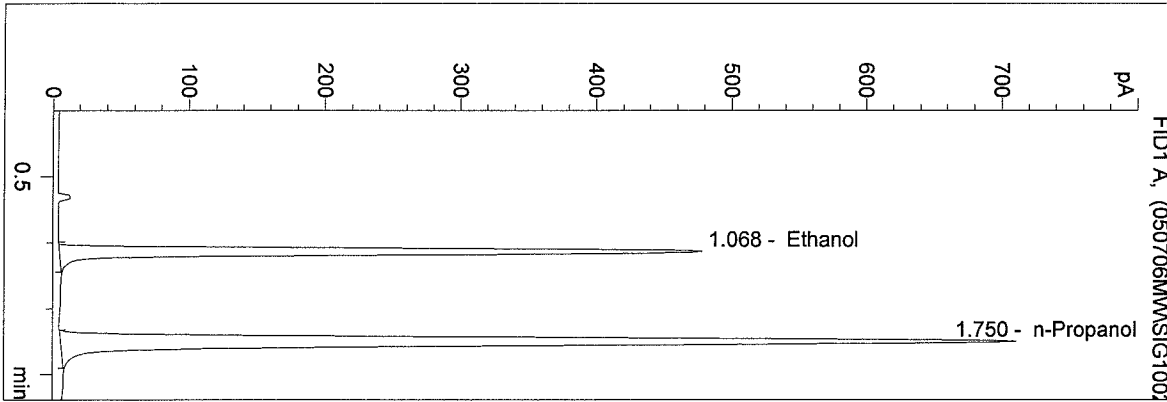
RE: QA Solution 05026

Quality Assurance solution 05026 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.

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 7/6/2005 1:44:57 PM
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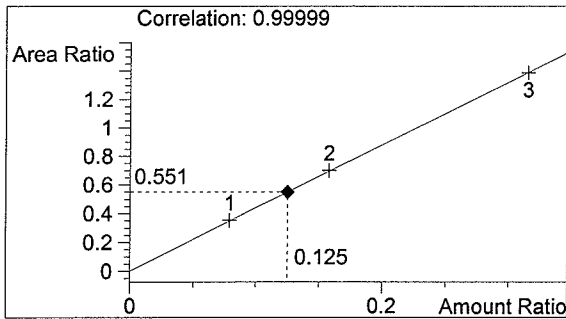
05026 QA
 mary wilson

vial # 24

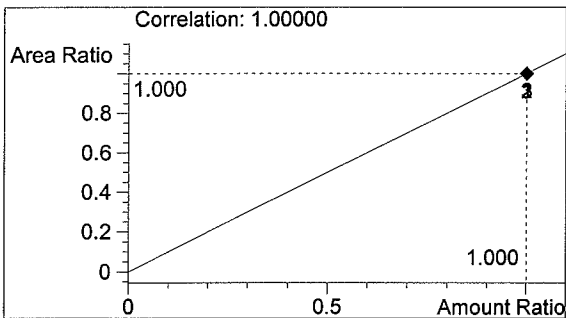


#	Compound	Area	RT
1	Ethanol	1619	1.068
2	n-Propanol	2937	1.750

Totals:



Ethanol 0.125 g/100ml

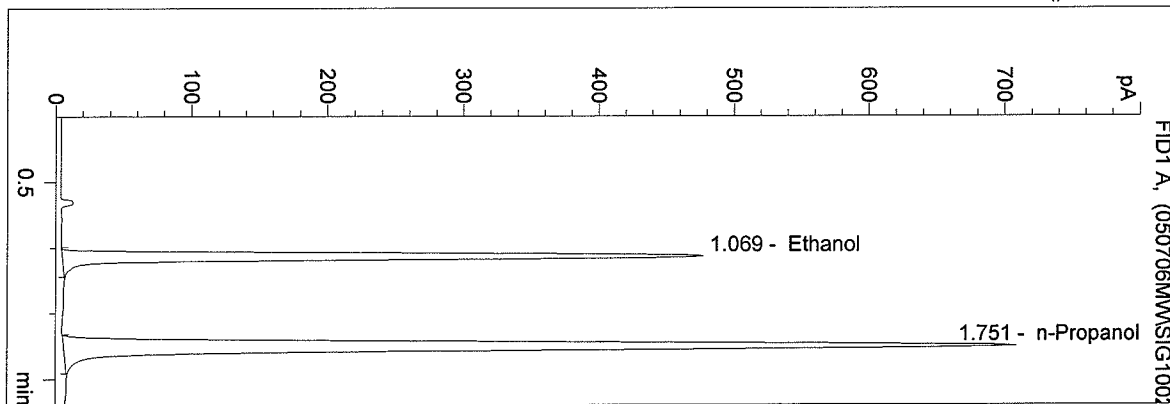


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:48:25 PM
 Instrument 1
 DB BAC 1

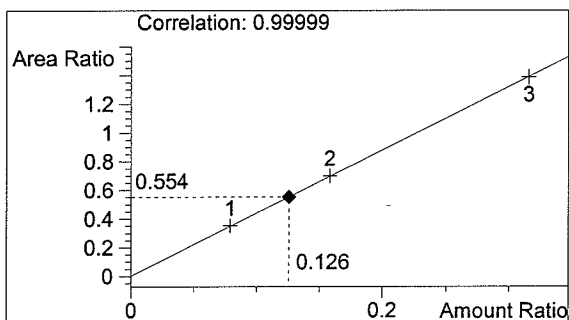
05026 QA
 mary wilson

vial # 25

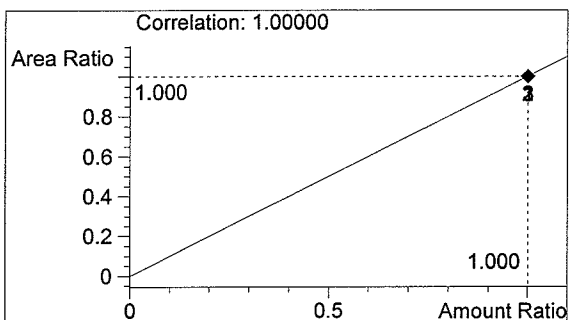


#	Compound	Area	RT
1	Ethanol	1623	1.069
2	n-Propanol	2930	1.751

Totals:



Ethanol 0.126 g/100ml



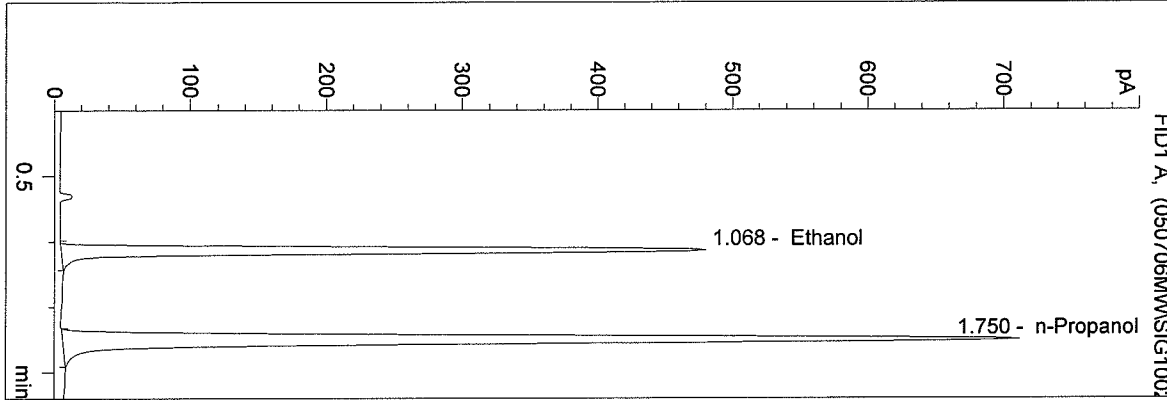
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:50:59 PM
 Instrument 1
 DB BAC 1

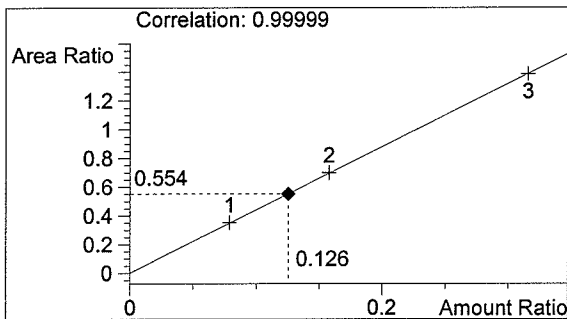
05026 QA
 mary wilson

vial # 26

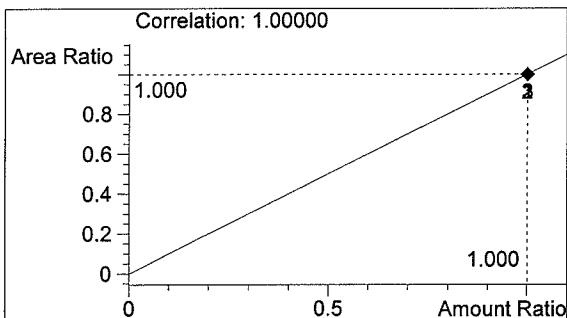


#	Compound	Area	RT
1	Ethanol	1633	1.068
2	n-Propanol	2948	1.750

Totals:



Ethanol 0.126 g/100ml



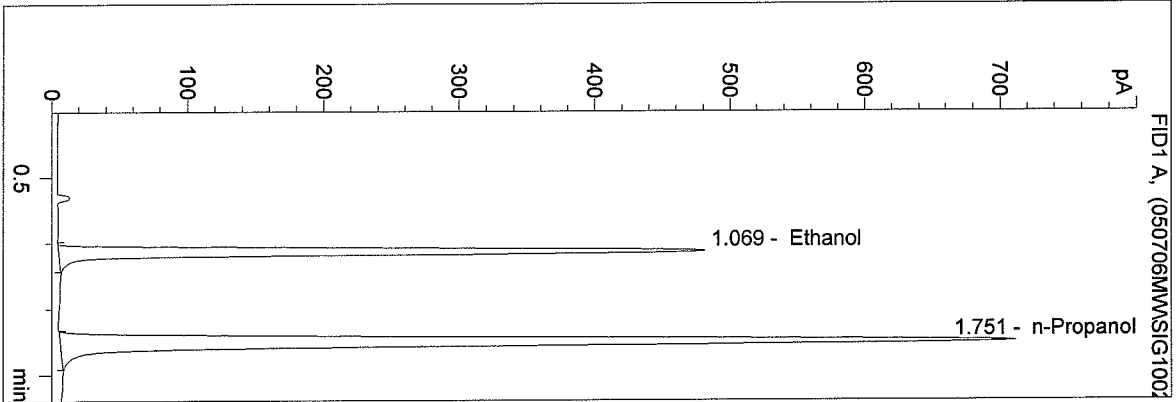
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:53:36 PM
 Instrument 1
 DB BAC 1

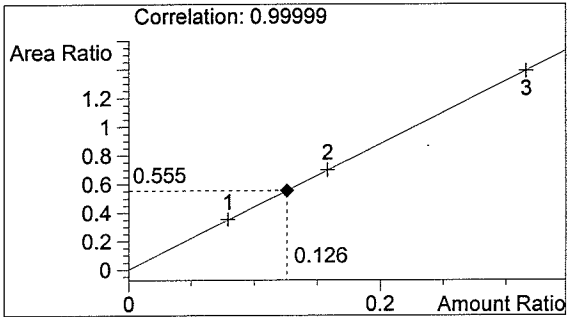
05026 QA
 mary wilson

vial # 27

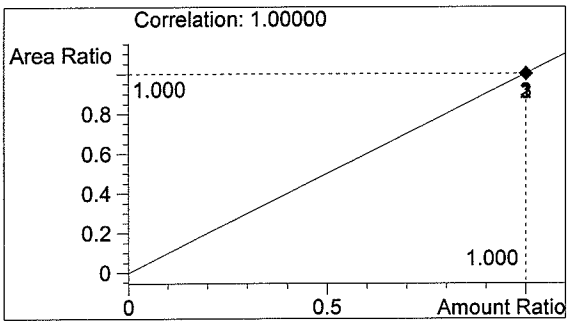


#	Compound	Area	RT
1	Ethanol	1637	1.069
2	n-Propanol	2947	1.751

Totals:



Ethanol 0.126 g/100ml



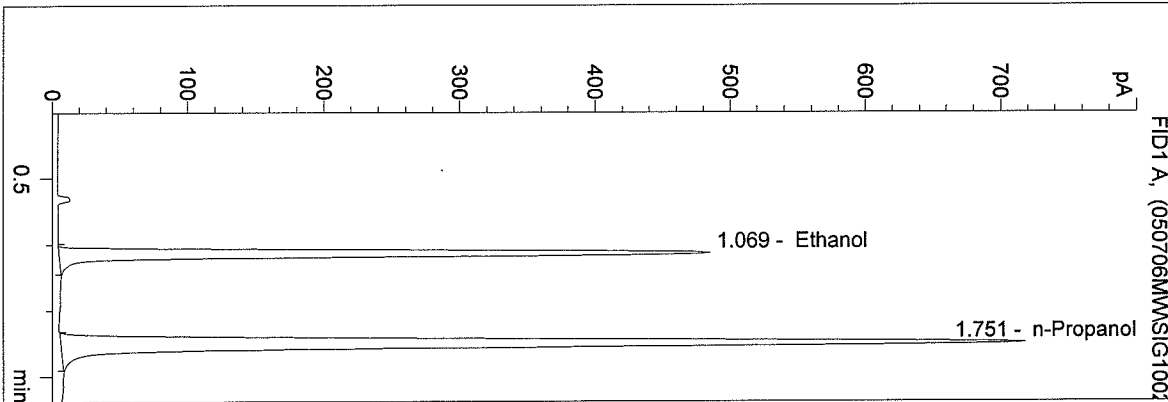
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:56:24 PM
 Instrument 1
 DB BAC 1

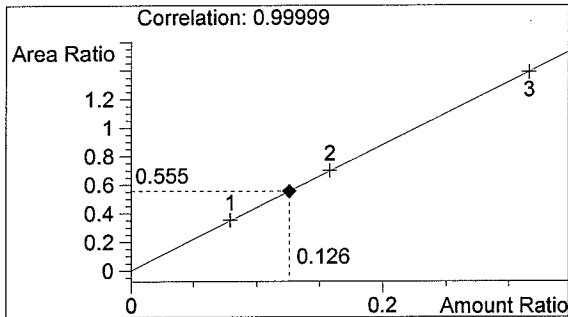
05026 QA
 mary wilson

vial # 28

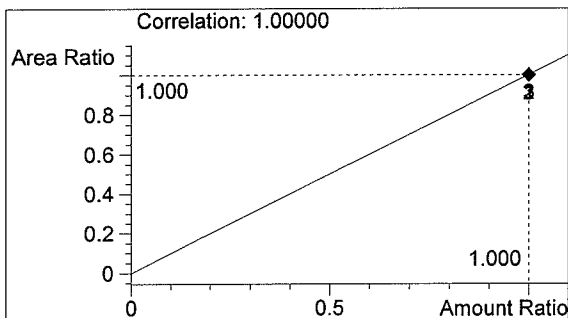


#	Compound	Area	RT
1	Ethanol	1650	1.069
2	n-Propanol	2972	1.751

Totals:



Ethanol 0.126 g/100ml

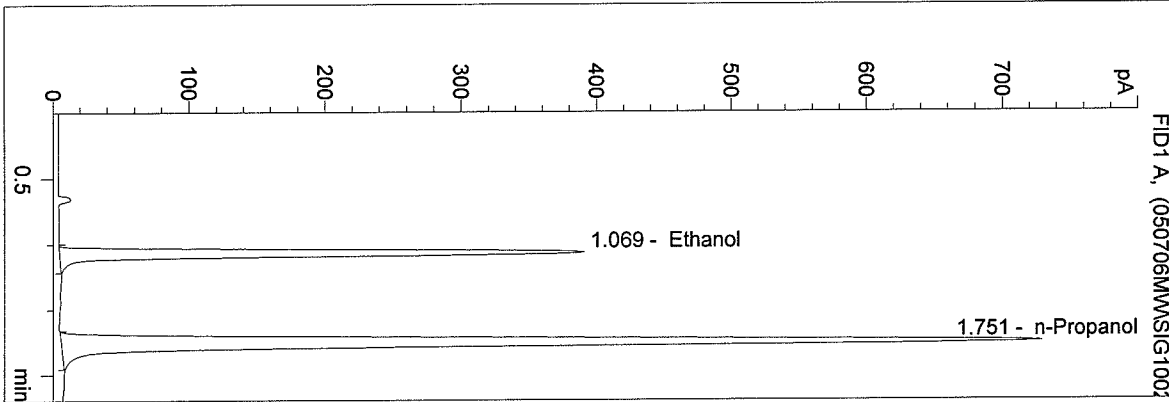


n-Propanol 1.000 g/100ml

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 1:59:52 PM
 Instrument 1
 DB BAC 1

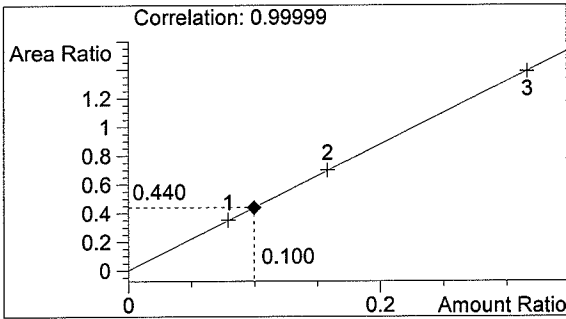
0.10CTLMW
 mary wilson

vial # 29

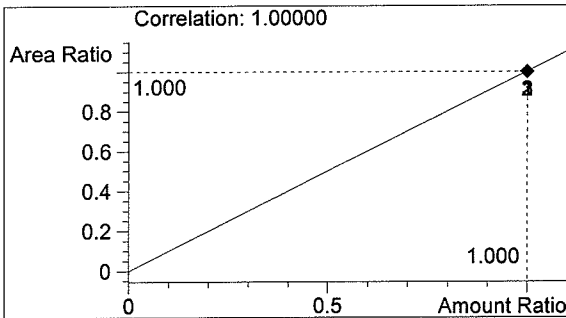


#	Compound	Area	RT
1	Ethanol	1331	1.069
2	n-Propanol	3025	1.751

Totals:



Ethanol 0.100 g/100ml



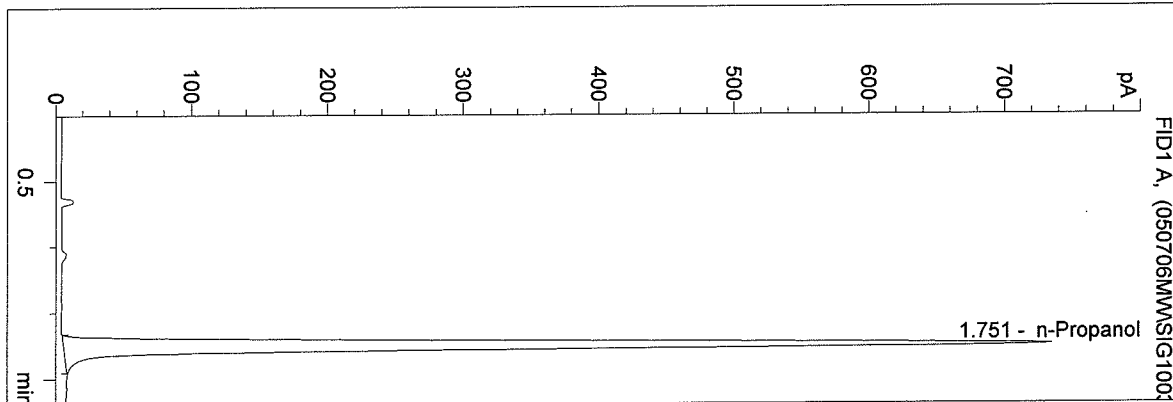
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
 7/6/2005 2:02:30 PM
 Instrument 1
 DB BAC 1

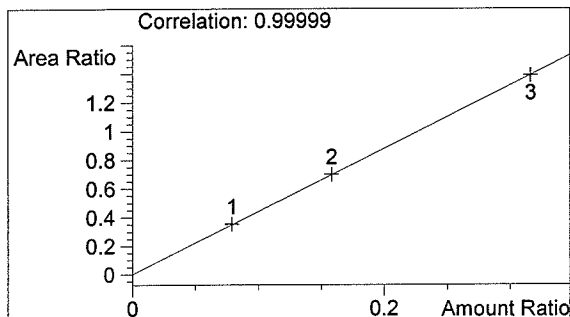
blank
 mary wilson

vial # 30

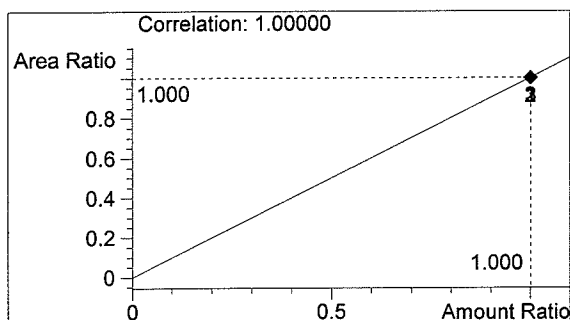


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3047	1.751

Totals:



Ethanol 0.000 g/100ml

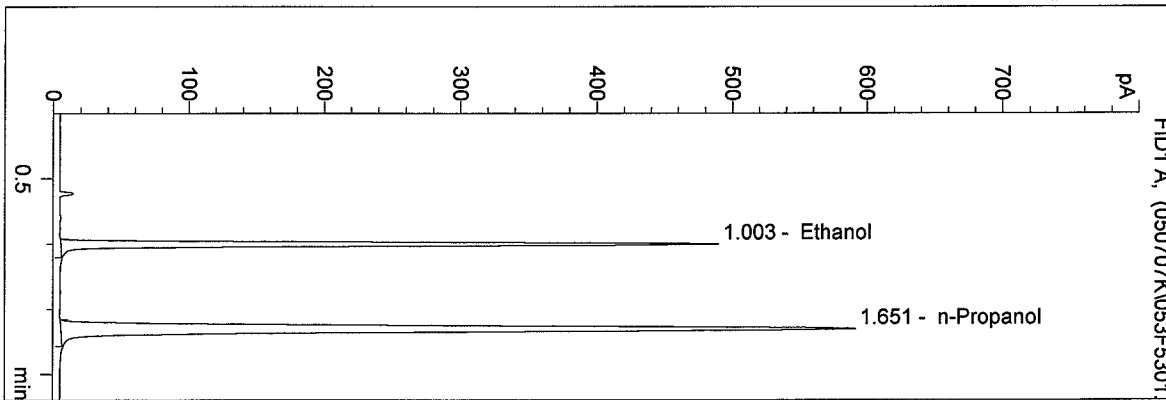


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 1:51:39 PM
 Instrument 4
 DB-ALC1

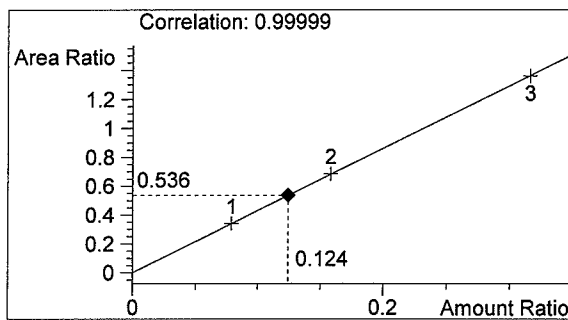
QA 05026 KG #1
 Kari Gruendell

vial # 53

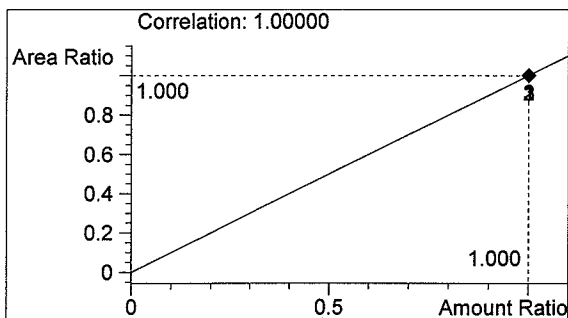


#	Compound	Area	RT
1	Ethanol	990	1.003
2	n-Propanol	1845	1.651

Totals:



Ethanol 0.124 g/100ml

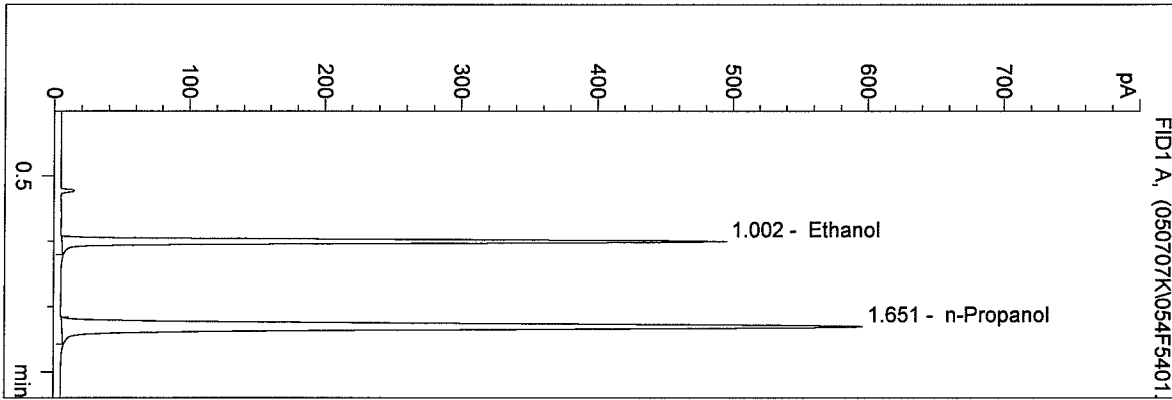


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 1:54:52 PM
 Instrument 4
 DB-ALC1

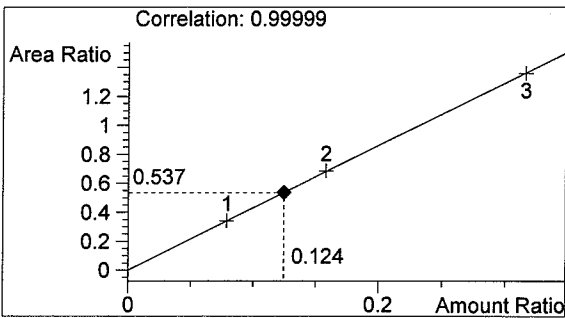
QA 05026 KG #2
 Kari Gruendell

vial # 54

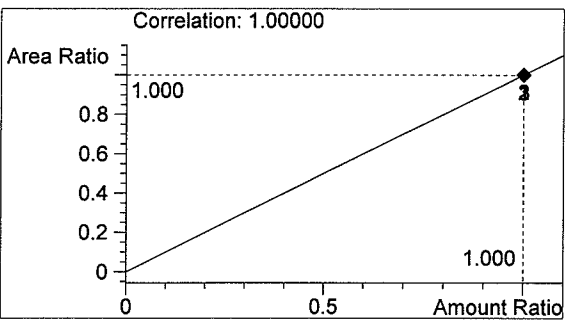


#	Compound	Area	RT
1	Ethanol	1000	1.002
2	n-Propanol	1861	1.651

Totals:



Ethanol 0.124 g/100ml

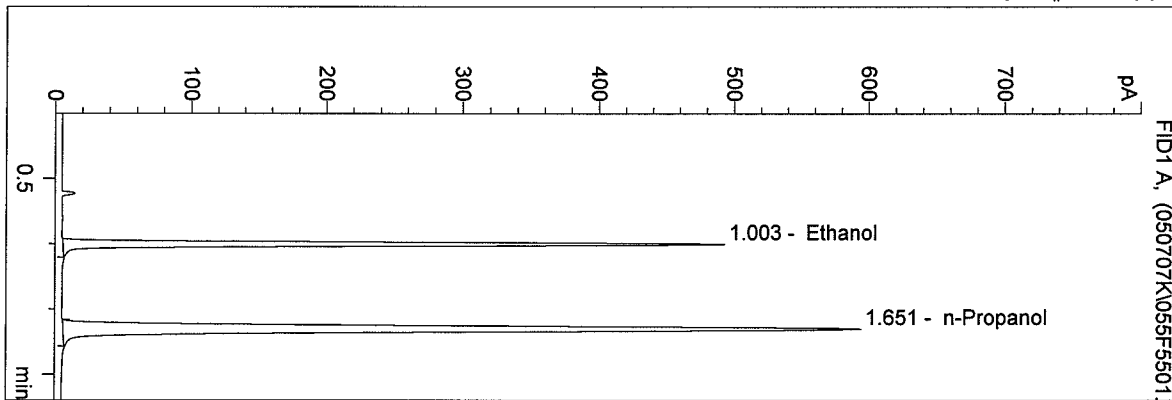


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 1:58:03 PM
 Instrument 4
 DB-ALC1

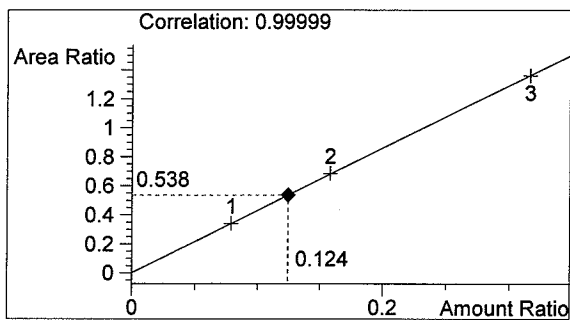
QA 05026 KG #3
 Kari Gruendell

vial # 55

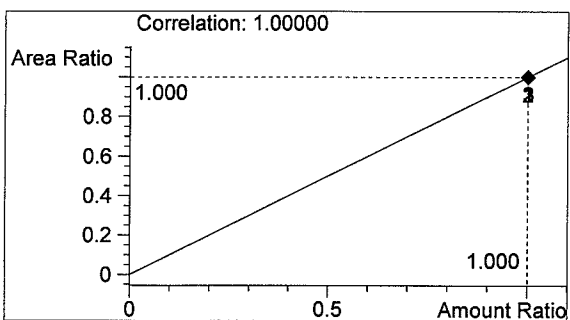


#	Compound	Area	RT
1	Ethanol	995	1.003
2	n-Propanol	1852	1.651

Totals:



Ethanol 0.124 g/100ml

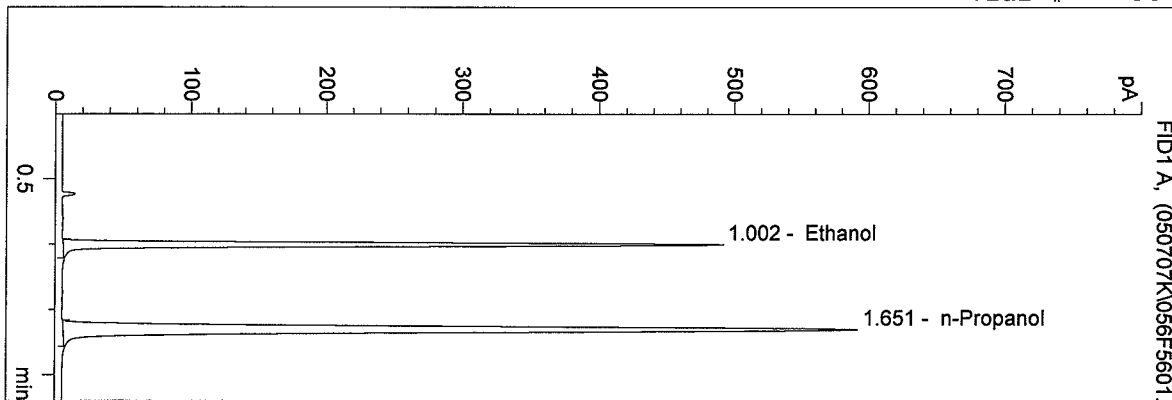


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 2:01:24 PM
 Instrument 4
 DB-ALC1

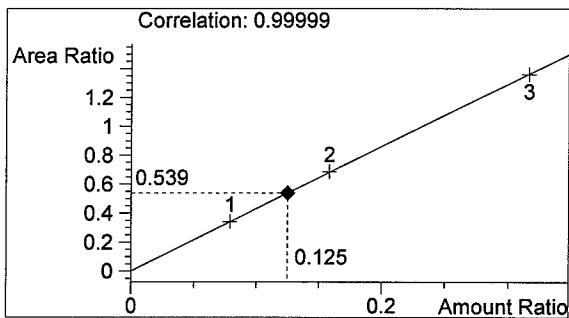
QA 05026 KG #4
 Kari Gruendell

vial # 56

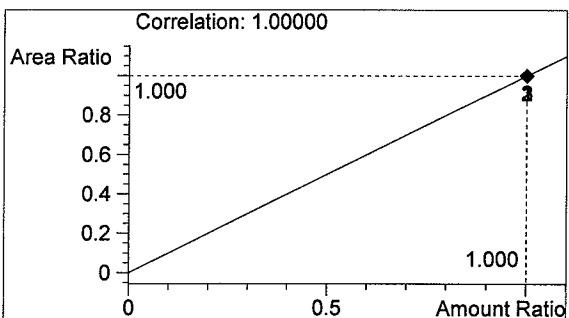


#	Compound	Area	RT
1	Ethanol	995	1.002
2	n-Propanol	1845	1.651

Totals:



Ethanol 0.125 g/100ml

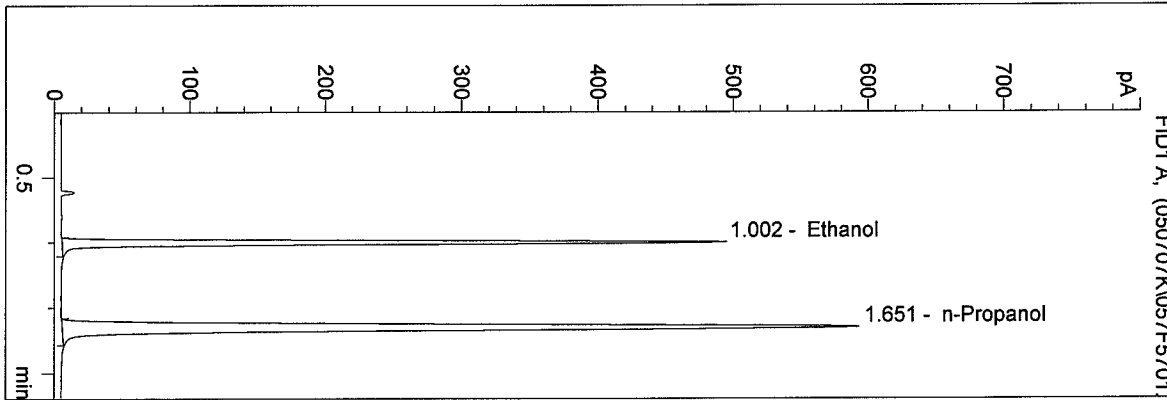


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 2:04:44 PM
 Instrument 4
 DB-ALC1

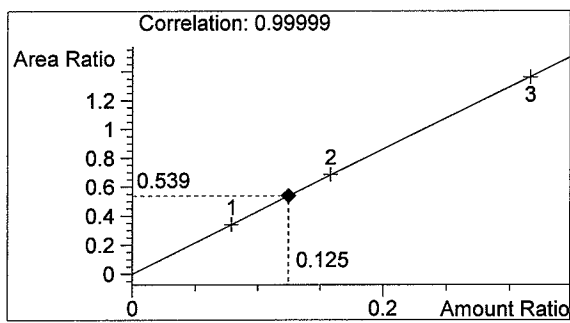
QA 05026 KG #5
 Kari Gruendell

vial # 57

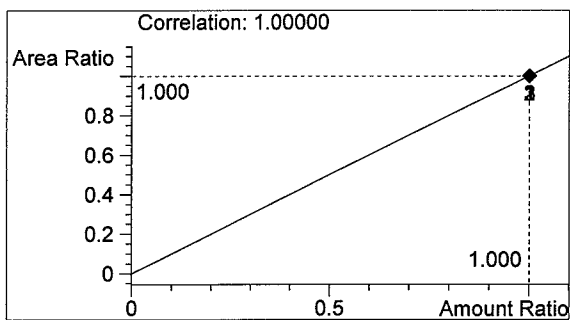


#	Compound	Area	RT
1	Ethanol	999	1.002
2	n-Propanol	1853	1.651

Totals:



Ethanol 0.125 g/100ml

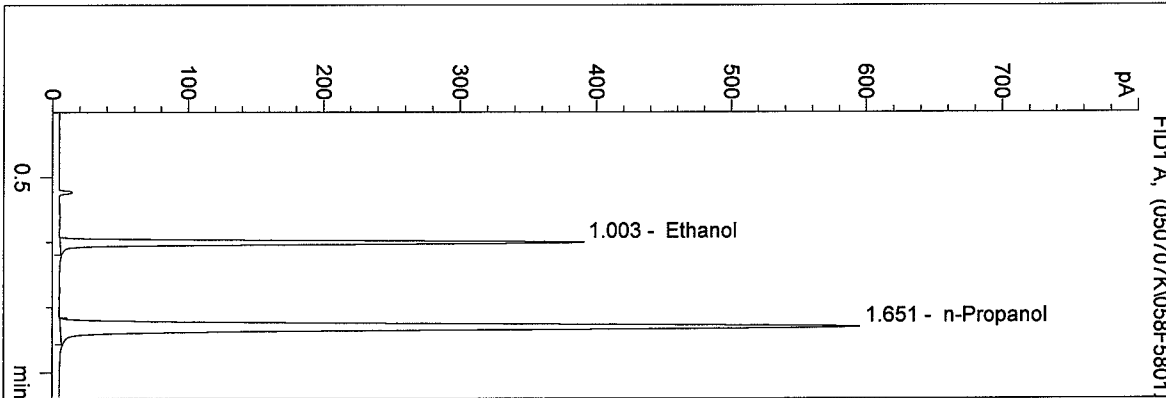


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/7/2005 2:08:03 PM
 Instrument 4
 DB-ALC1

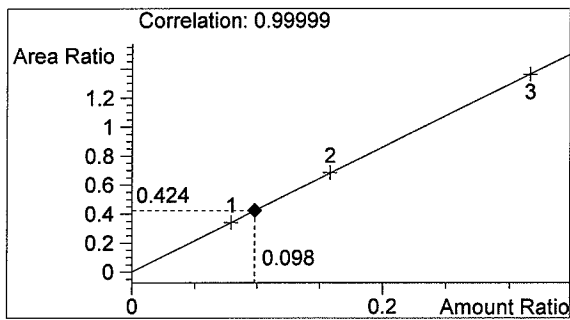
0.10 CONTROL KG
 Kari Gruendell

vial # 58

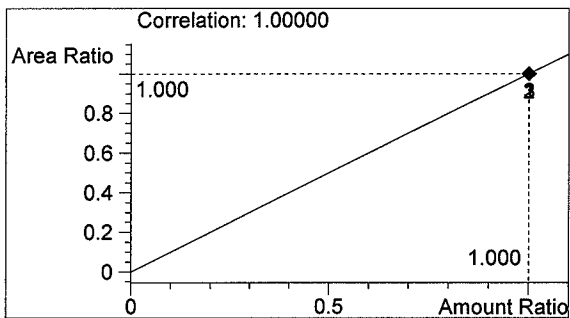


#	Compound	Area	RT
1	Ethanol	789	1.003
2	n-Propanol	1861	1.651

Totals:



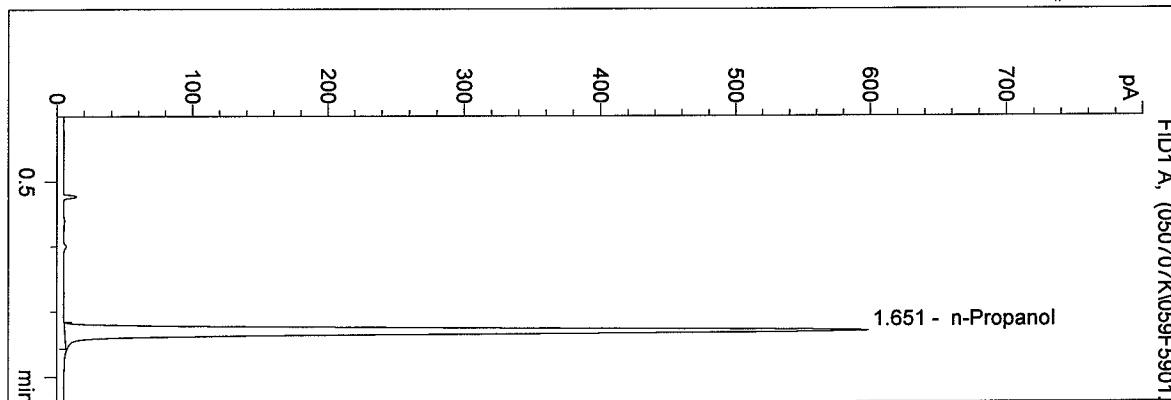
Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

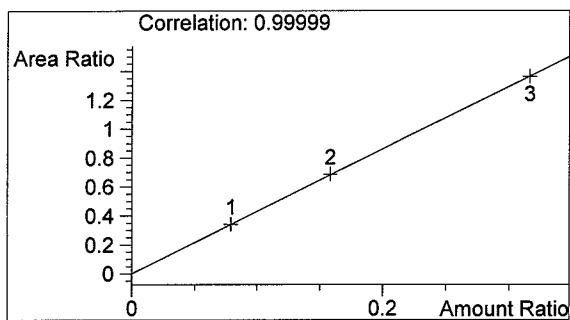
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 7/7/2005 2:11:24 PM
 Instrument 4
 DB-ALC1

BLANK
 Kari Gruendell
 vial # 59

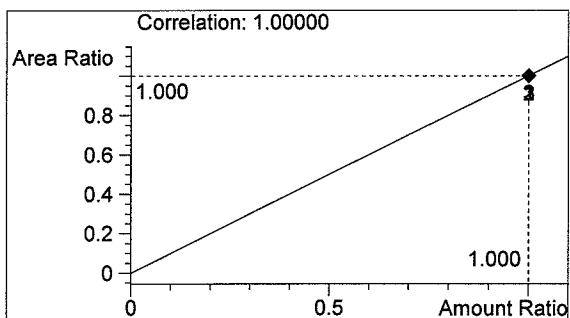


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1865	1.651

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: 050708EM
 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 05026-1	BLDALCO	1	Sample		
2	Vial 2	QA Sim 05026-1	BLDALCO	1	Sample		
3	Vial 3	QA Sim 05026-1	BLDALCO	1	Sample		
4	Vial 4	QA Sim 05026-1	BLDALCO	1	Sample		
5	Vial 5	QA Sim 05026-1	BLDALCO	1	Sample		
6	Vial 6	0.100 Control	BLDALCO	1	Ctrl Samp		
7	Vial 7	Blank	BLDALCO	1	Sample		
8	Vial 8	QA Sim 05027-1	BLDALCO	1	Sample		
9	Vial 9	QA Sim 05027-2	BLDALCO	1	Sample		
10	Vial 10	QA Sim 05027-3	BLDALCO	1	Sample		
11	Vial 11	QA Sim 05027-4	BLDALCO	1	Sample		
12	Vial 12	QA Sim 05027-5	BLDALCO	1	Sample		
13	Vial 13	0.100 Control	BLDALCO	1	Ctrl Samp		
14	Vial 14	Blank	BLDALCO	1	Sample		
15	Vial 15	Sim sol 05028-1	BLDALCO	1	Sample		
16	Vial 16	Sim sol 05028-2	BLDALCO	1	Sample		
17	Vial 17	Sim sol 05028-3	BLDALCO	1	Sample		
18	Vial 18	Sim sol 05028-4	BLDALCO	1	Sample		
19	Vial 19	Sim sol 05028-5	BLDALCO	1	Sample		
20	Vial 20	0.100 Control	BLDALCO	1	Ctrl Samp		
21	Vial 21	Blank	BLDALCO	1	Sample		

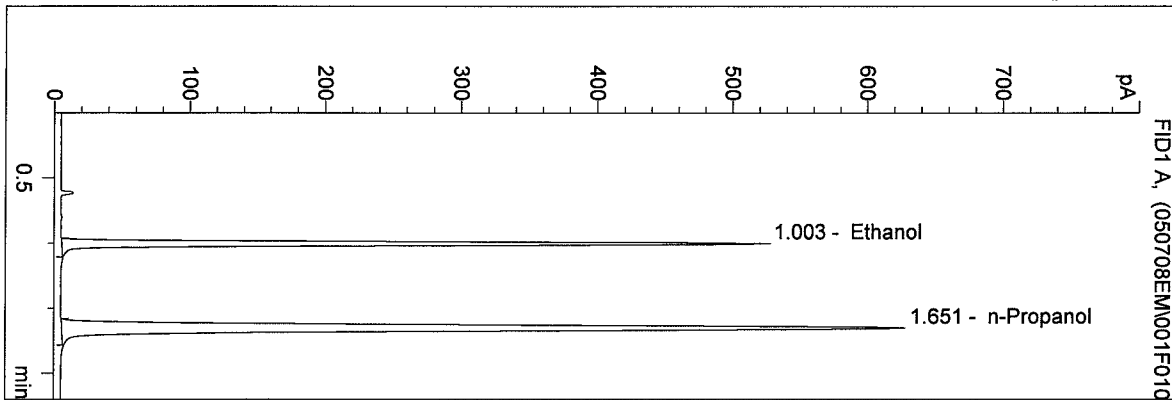
Sequence Table (Back Injector):

No entries - empty table!

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 6:59:54 AM
 Instrument 4
 DB-ALC1

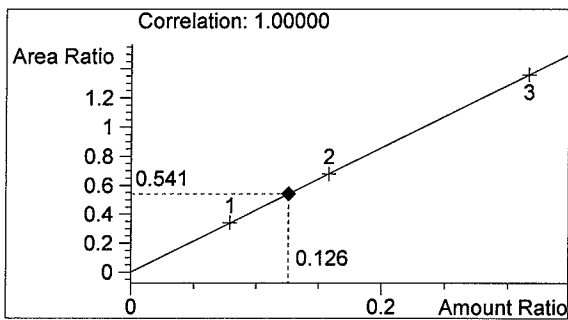
QA Sim 05026-1
 Estuardo J. Miranda

vial # 1

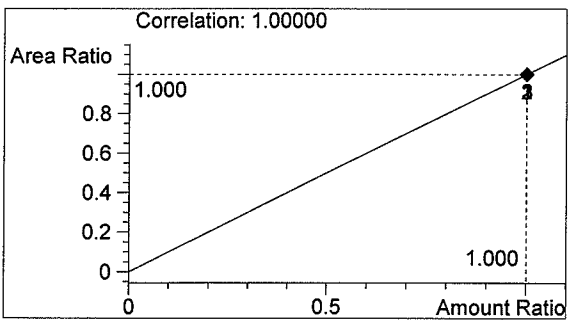


#	Compound	Area	RT
1	Ethanol	1059	1.003
2	n-Propanol	1956	1.651

Totals:



Ethanol 0.126 g/100ml

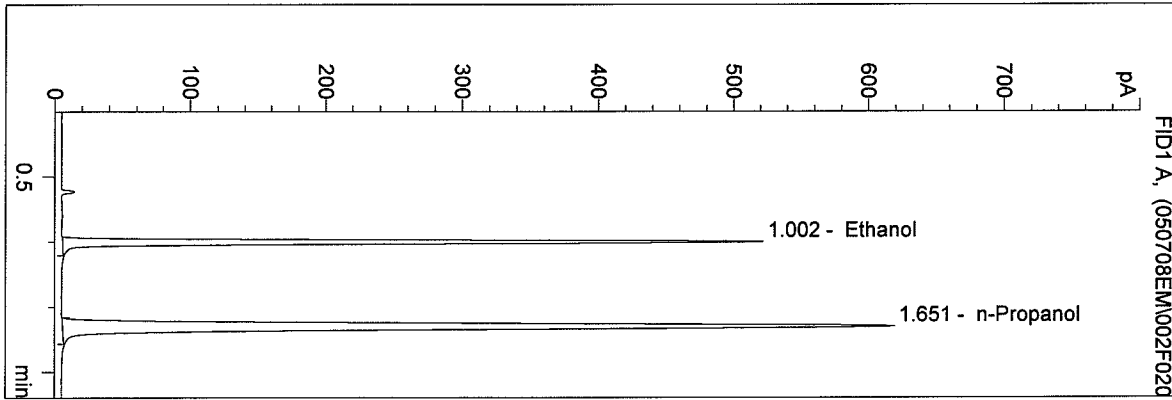


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:03:12 AM
 Instrument 4
 DB-ALC1

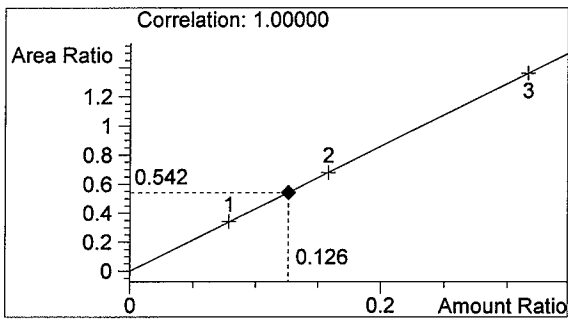
QA Sim 05026-1
 Estuardo J. Miranda

vial # 2

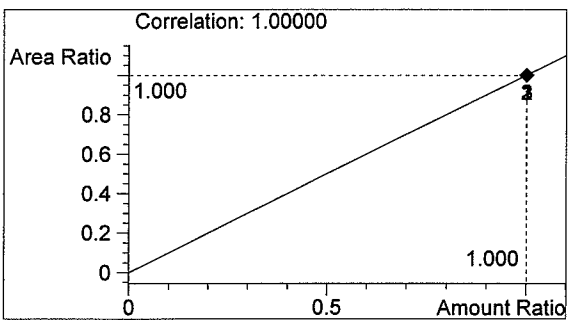


#	Compound	Area	RT
1	Ethanol	1045	1.002
2	n-Propanol	1928	1.651

Totals:



Ethanol 0.126 g/100ml

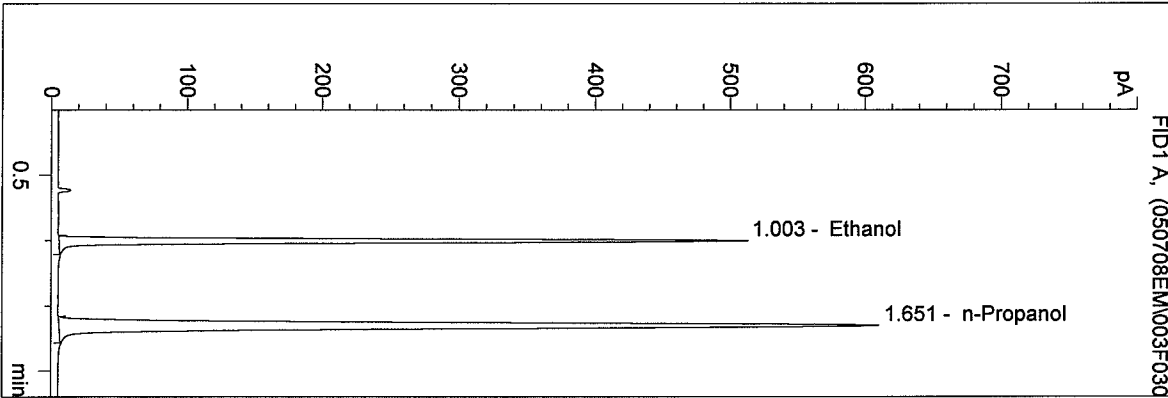


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:06:28 AM
 Instrument 4
 DB-ALC1

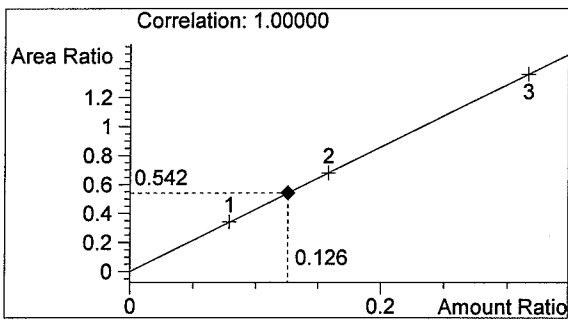
QA Sim 05026-1
 Estuardo J. Miranda

vial # 3

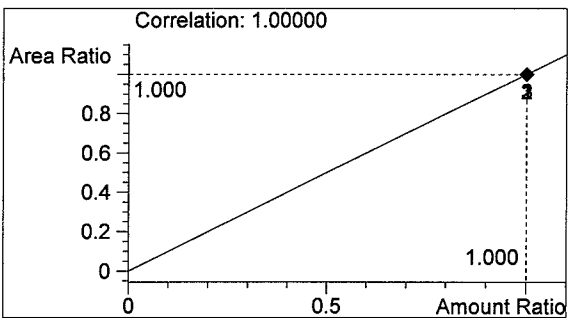


#	Compound	Area	RT
1	Ethanol	1028	1.003
2	n-Propanol	1899	1.651

Totals:



Ethanol 0.126 g/100ml

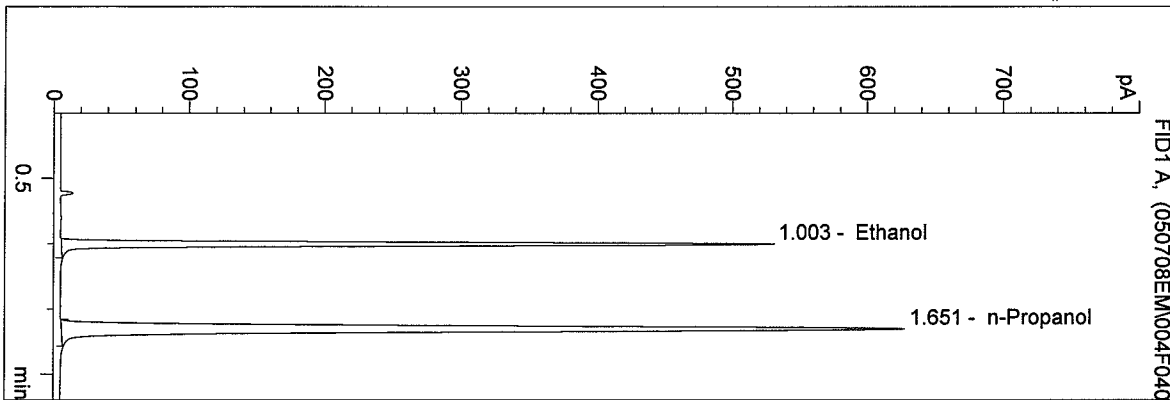


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:09:42 AM
 Instrument 4
 DB-ALC1

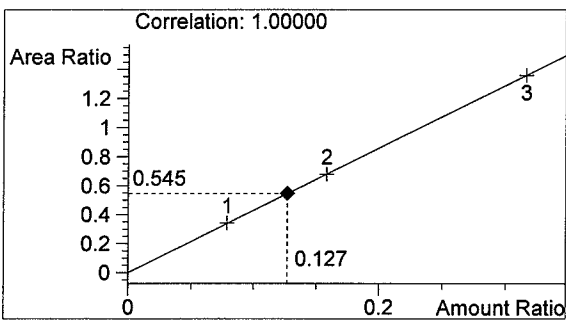
QA Sim 05026-1
 Estuardo J. Miranda

vial # 4

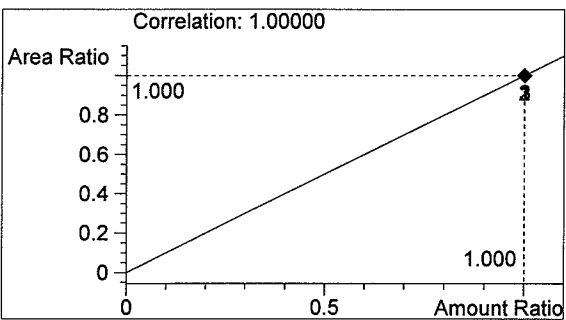


#	Compound	Area	RT
1	Ethanol	1065	1.003
2	n-Propanol	1952	1.651

Totals:



Ethanol 0.127 g/100ml

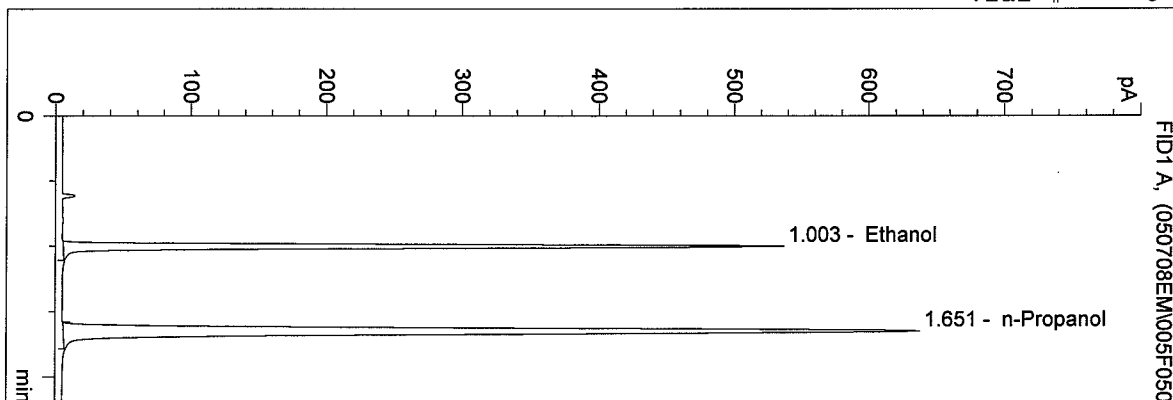


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:13:05 AM
 Instrument 4
 DB-ALC1

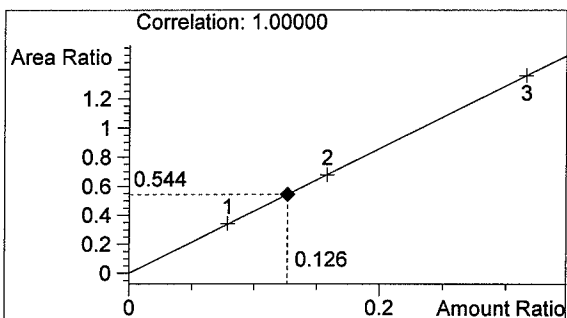
QA Sim 05026-1
 Estuardo J. Miranda

vial # 5

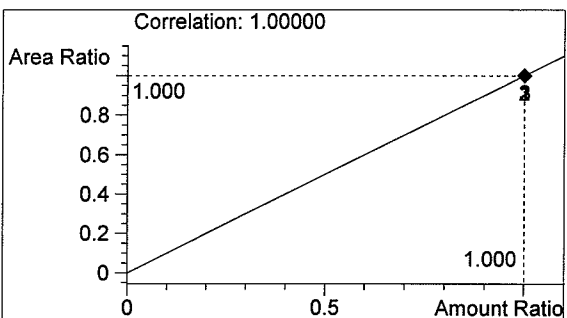


#	Compound	Area	RT
1	Ethanol	1082	1.003
2	n-Propanol	1988	1.651

Totals:



Ethanol 0.126 g/100ml

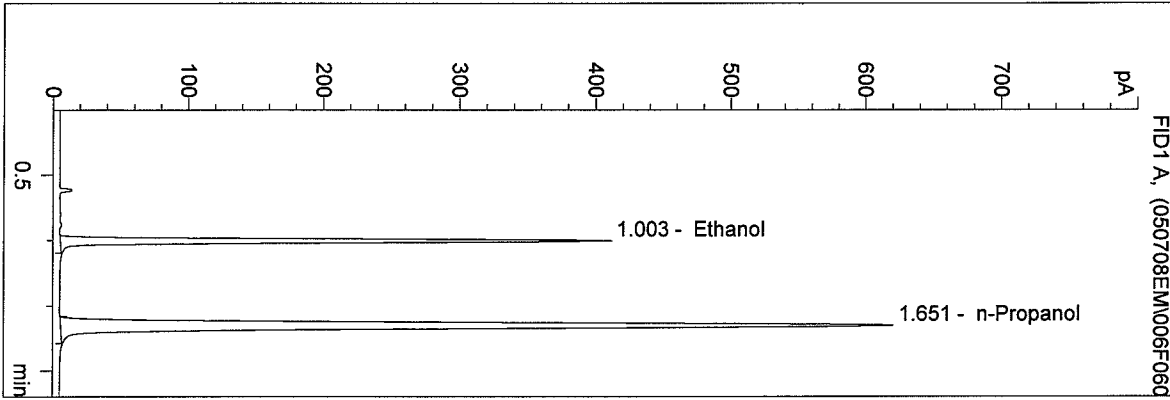


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:16:16 AM
 Instrument 4
 DB-ALC1

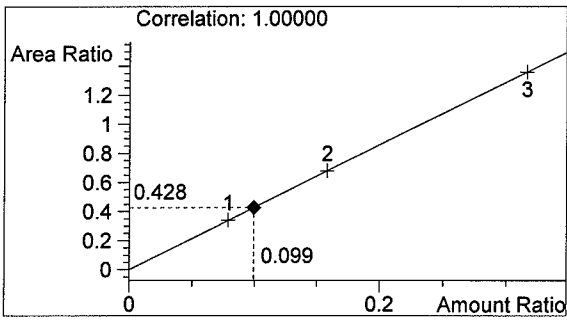
0.100 Control
 Estuardo J. Miranda

vial # 6

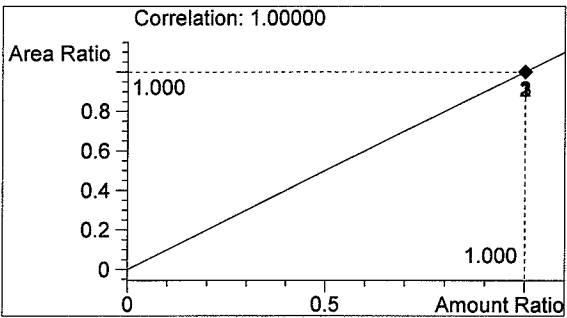


#	Compound	Area	RT
1	Ethanol	828	1.003
2	n-Propanol	1936	1.651

Totals:



Ethanol 0.099 g/100ml

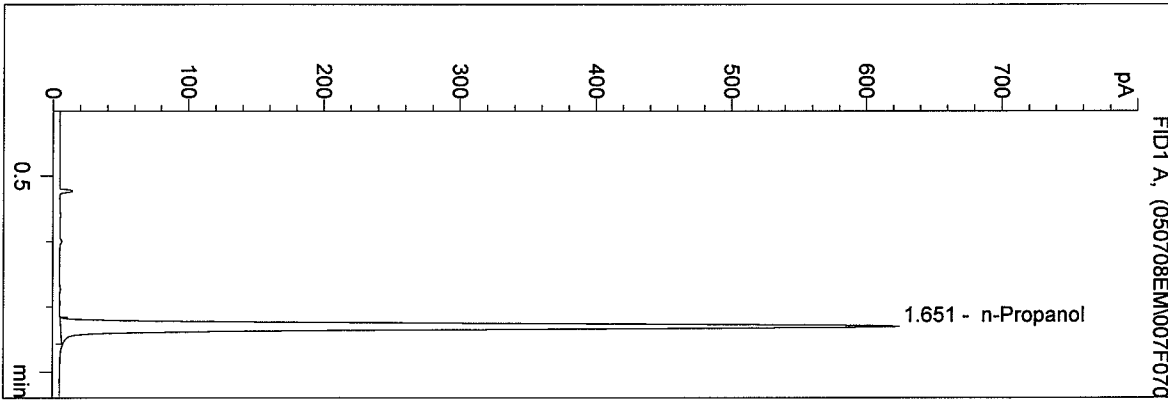


n-Propanol 1.000 g/100ml

D:\HPCHEM\1\METHODS\BLDALCO.M
 7/8/2005 7:21:35 AM
 Instrument 4
 DB-ALC1

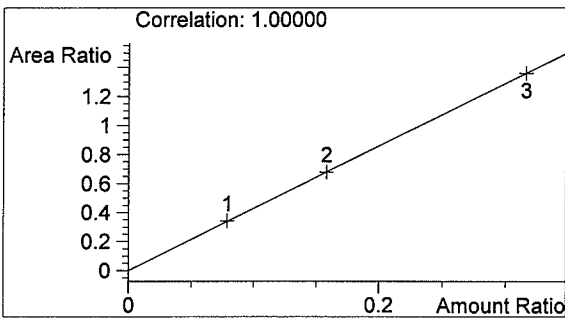
Blank
 Estuardo J. Miranda

vial # 7

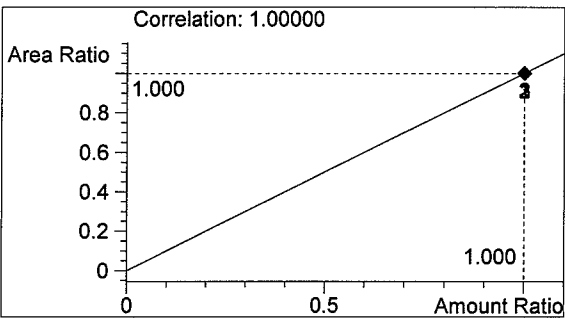


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1940	1.651

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml