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.

K.L.D 10/15/2007

Tpr. Ken Denton Date

R.G.G 10-15-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GRUBBS Date 10-10-07

Location TOX LAB SEATTLE Batch Number 05004

Form Review Criteria

Preparation date precedes all analysis dates: Okay X Not Okay ___

Data entry corresponds to all chromatograms: Okay X Not Okay ___

All signatures present: Okay X Not Okay ___

Computations:

Avg. solution concentration: Correct X Not Correct ___

Standard deviation: Correct X Not Correct ___

Range: Correct X Not Correct ___

Precision: Correct X Not Correct ___

Equivalent vapor concent.: Correct X Not Correct ___

External Control Information
(lot # and future date): Correct X Not Correct ___

Complies with accuracy and precision requirements established by the State Toxicologist: Yes X No ___

Corrections Necessary:

Comments:

Reviewer Signature: R L Grubbs Date: 10-10-07

Reviewer Signature: R.L. Denton Date: 10/10/2007

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 **05004** Date: 1/7/2005

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	Anal10	Anal 11	Anal 12
1	0.129	0.130	0.127									
2	0.128	0.130	0.127									
3	0.129	0.130	0.127									
4	0.129	0.130	0.127									
5	0.130	0.131	0.127									
Ctrl	0.100	0.100	0.099									

External Control:

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1287 g/100 mL

SD: 0.00144

Range (3xSD): 0.1244 to 0.1330

Precision CV (%): 1.1170 %

Equivalent vapor concent.: 0.1046 g/210L

Analyst	Name	Signature	Date
1	Estuardo J. Miranda		01/07/2005
2	Brian Capron		01/10/2005
3	Kari Gruendell		01/11/2005
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: Estuardo J. Miranda according to the approved protocol

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360•Seattle, Washington 98134-2027•(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 six years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 05004 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1287 grams per 100ml.

Dated: 1/24/05
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

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DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Brian Capron, 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 eight years of experience in forensic toxicology.

The quality assurance solution, Lot Number 05004, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1287 grams per 100ml.

Dated: 1/24/05
Seattle, WA

Brian Capron
Forensic Toxicologist

BC/la
BCQA

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.

Brian Capron 10.11.07

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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 05004, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1287 grams per 100ml.

Dated: 1/24/05
Seattle, WA

Kari D. Gruendell
Forensic Toxicologist

KDG/la
KDGQA

Sequence: D:\HPCHEM\1\SEQUENCE\EMSEQ22.S

Sequence Parameters:

Operator:	Estuardo J. Miranda
Data File Naming:	Auto
Data Directory:	D:\HPCHEM\1\DATA\
Data Subdirectory:	050107EM
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	Blank	BLDALCO2	1	Sample		
2	Vial 2	Q.A. Sol 05004-1	BLDALCO2	1	Sample		
3	Vial 3	Q.A. Sol 05004-2	BLDALCO2	1	Sample		
4	Vial 4	Q.A. Sol 05004-3	BLDALCO2	1	Sample		
5	Vial 5	Q.A. Sol 05004-4	BLDALCO2	1	Sample		
6	Vial 6	Q.A. Sol 05004-5	BLDALCO2	1	Sample		
7	Vial 7	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
8	Vial 8	Blank	BLDALCO2	1	Sample		
9	Vial 9	Q.A. Sol 05005-1	BLDALCO2	1	Sample		
10	Vial 10	Q.A. Sol 05005-2	BLDALCO2	1	Sample		
11	Vial 11	Q.A. Sol 05005-3	BLDALCO2	1	Sample		
12	Vial 12	Q.A. Sol 05005-4	BLDALCO2	1	Sample		
13	Vial 13	Q.A. Sol 05005-5	BLDALCO2	1	Sample		
14	Vial 14	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
15	Vial 15	Blank	BLDALCO2	1	Sample		
16	Vial 16	050141	BLDALCO2	1	Sample		
17	Vial 17	0.100 Control EM	BLDALCO2	1	Ctrl Samp		
18	Vial 18	Blank	BLDALCO2	1	Sample		

Sequence Table (Back Injector):

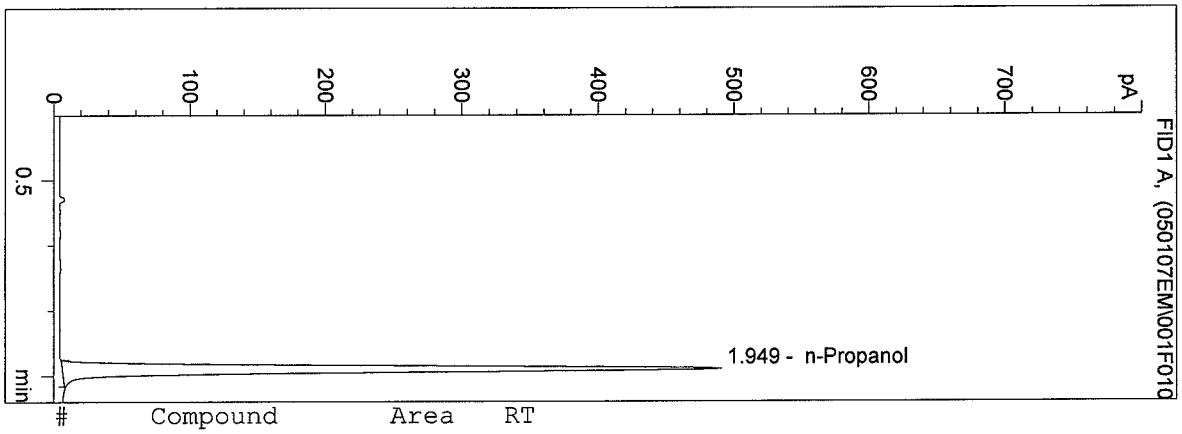
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:14:45 PM
Instrument 5
DB-ALC2

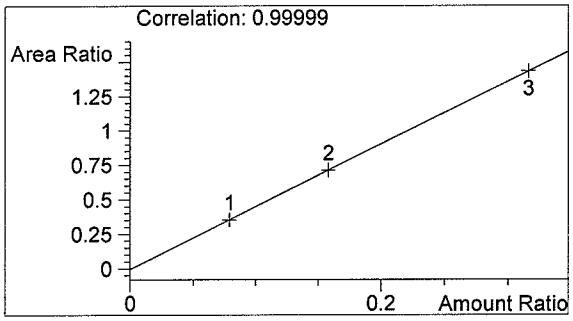
Blank
Estuardo J. Miranda

vial # 1

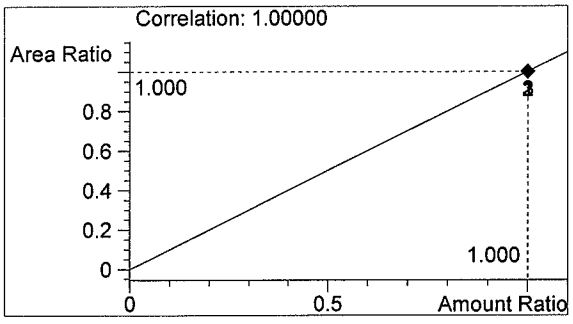


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1652	1.949

Totals:



Ethanol 0.000 g/100ml



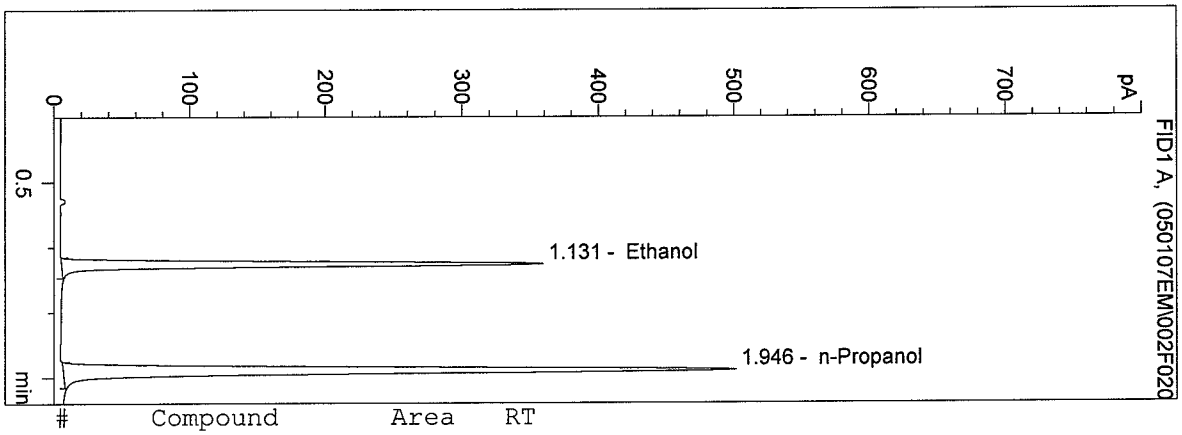
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:17:23 PM
Instrument 5
DB-ALC2

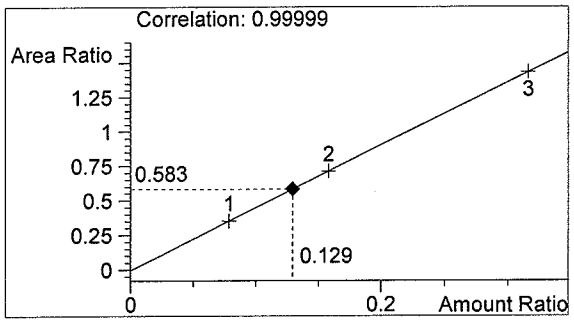
Q.A. Sol 05004-1
Estuardo J. Miranda

vial # 2

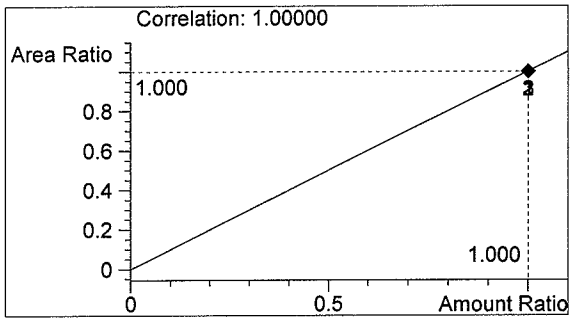


#	Compound	Area	RT
1	Ethanol	954	1.131
2	n-Propanol	1634	1.946

Totals:



Ethanol 0.129 g/100ml



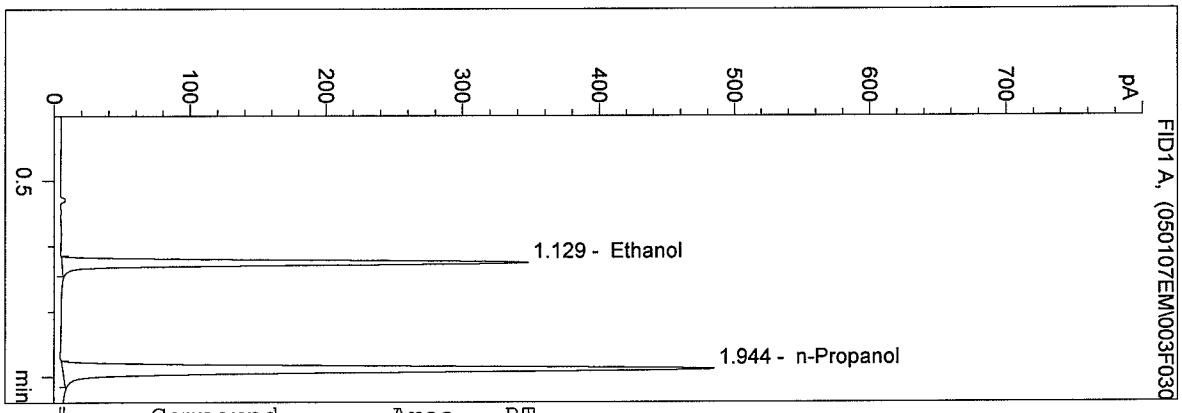
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:20:09 PM
Instrument 5
DB-ALC2

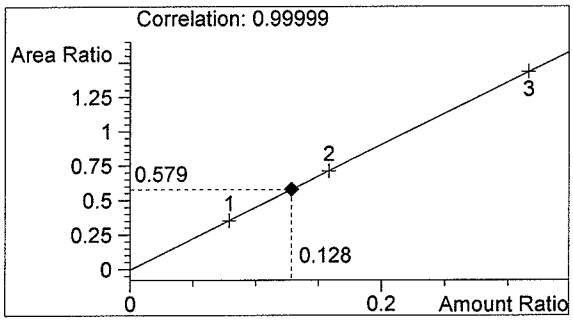
Q.A. Sol 05004-2
Estuardo J. Miranda

vial # 3

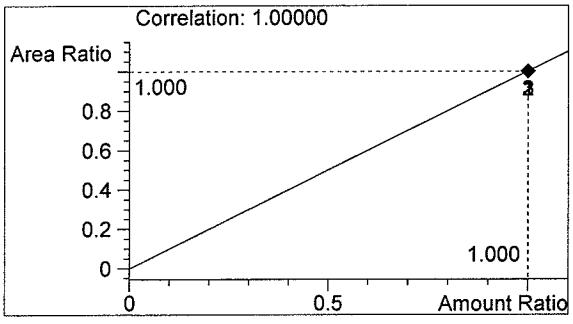


#	Compound	Area	RT
1	Ethanol	916	1.129
2	n-Propanol	1582	1.944

Totals:



Ethanol 0.128 g/100ml



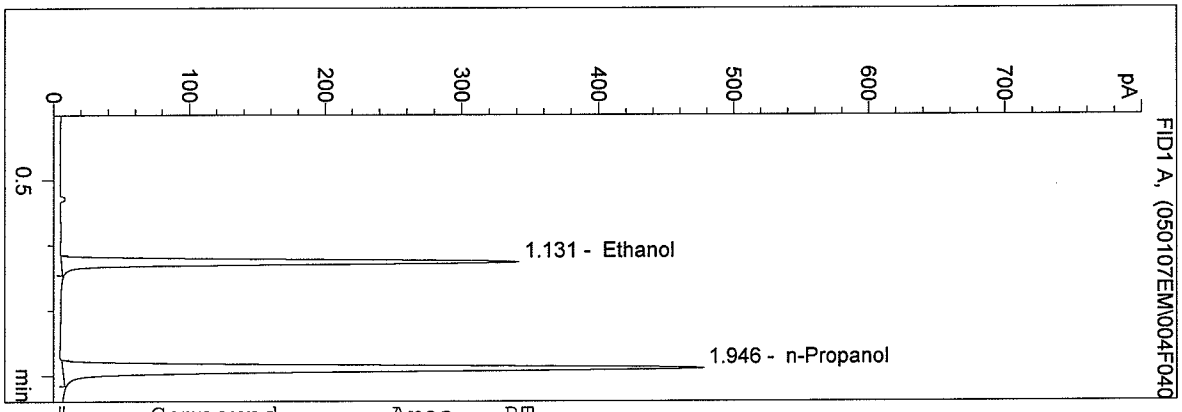
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:22:58 PM
Instrument 5
DB-ALC2

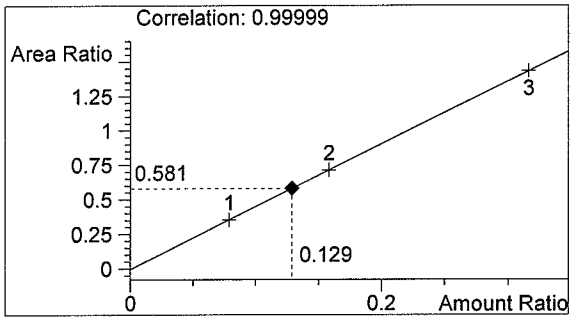
Q.A. Sol 05004-3
Estuardo J. Miranda

vial # 4

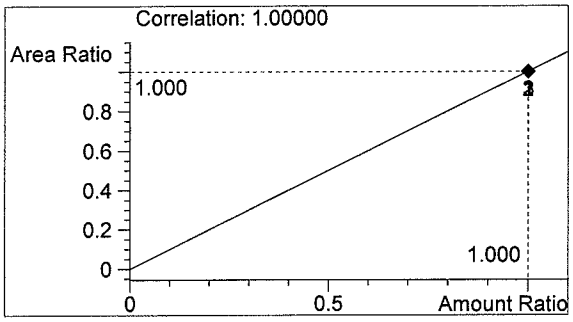


#	Compound	Area	RT
1	Ethanol	905	1.131
2	n-Propanol	1557	1.946

Totals:



Ethanol 0.129 g/100ml



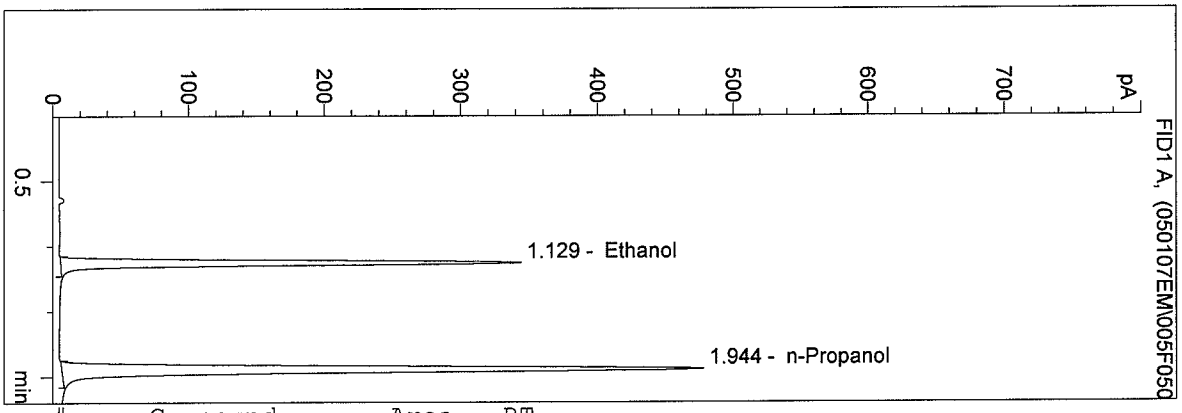
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:26:42 PM
Instrument 5
DB-ALC2

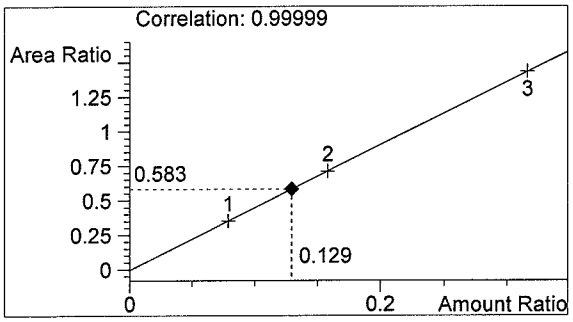
Q.A. Sol 05004-4
Estuardo J. Miranda

vial # 5

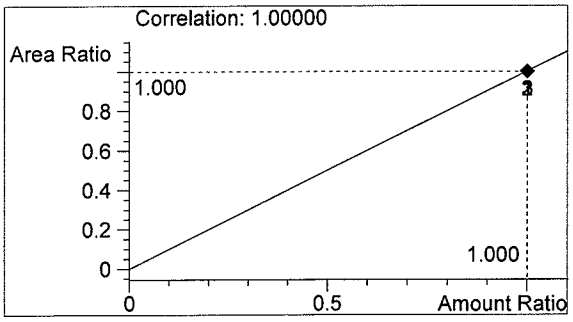


#	Compound	Area	RT
1	Ethanol	911	1.129
2	n-Propanol	1561	1.944

Totals:



Ethanol 0.129 g/100ml



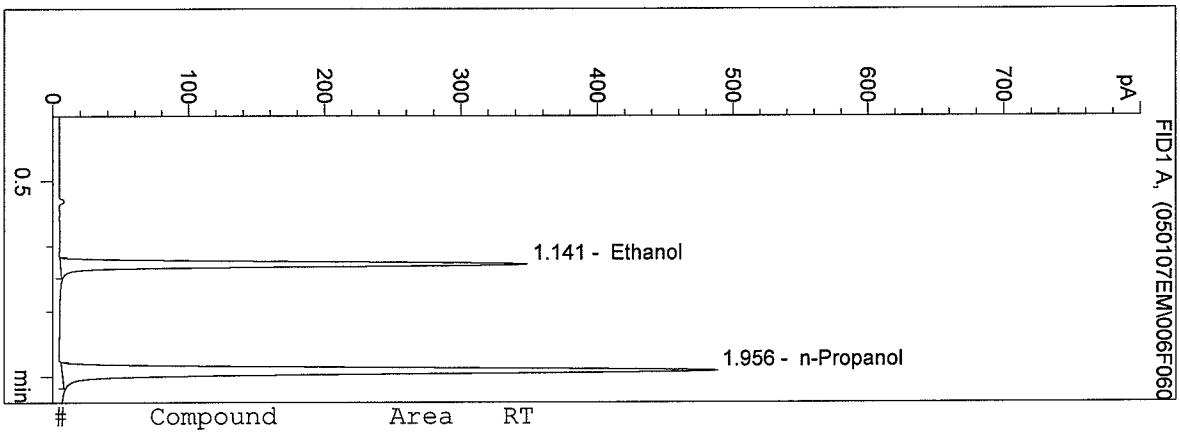
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:29:40 PM
Instrument 5
DB-ALC2

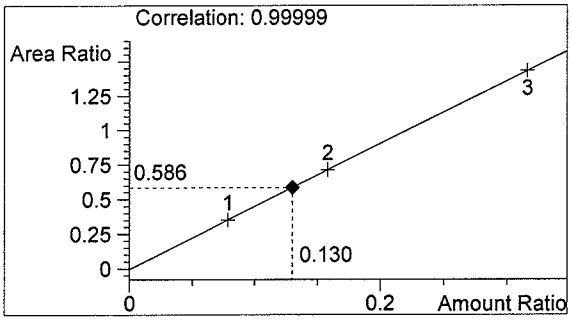
Q.A. Sol 05004-5
Estuardo J. Miranda

vial # 6

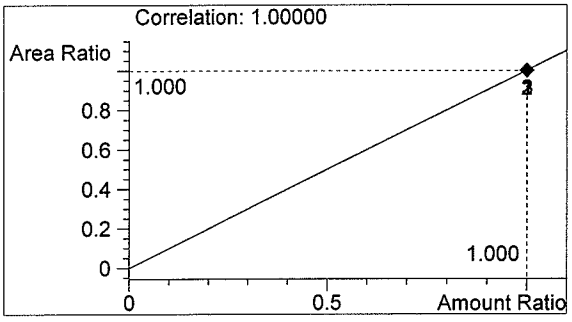


#	Compound	Area	RT
1	Ethanol	939	1.141
2	n-Propanol	1602	1.956

Totals:



Ethanol 0.130 g/100ml



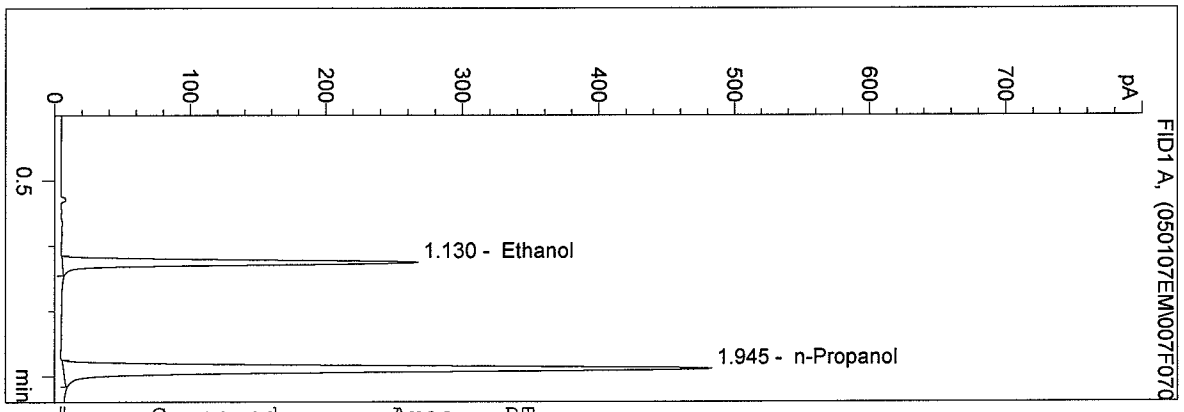
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:32:24 PM
Instrument 5
DB-ALC2

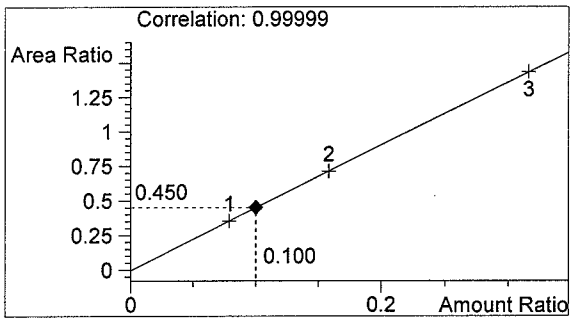
0.100 Control EM
Estuardo J. Miranda

vial # 7

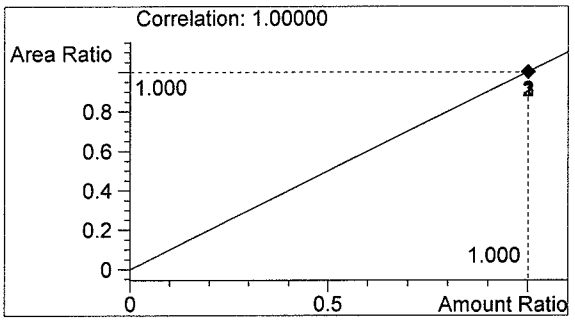


#	Compound	Area	RT
1	Ethanol	716	1.130
2	n-Propanol	1591	1.945

Totals:



Ethanol 0.100 g/100ml



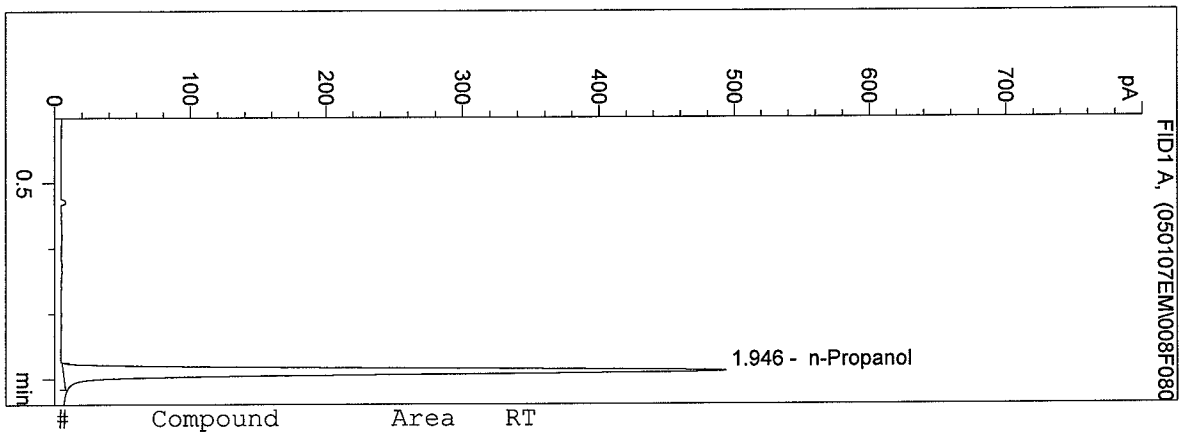
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

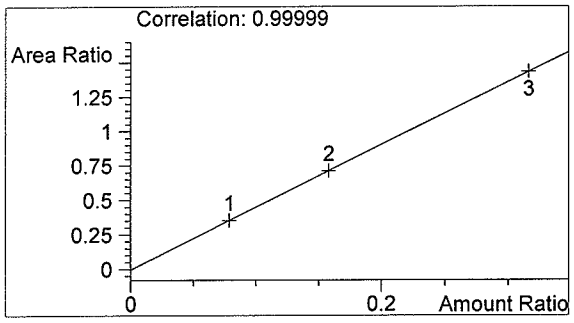
D:\HPCHEM\1\METHODS\BLDALCO2.M
1/7/2005 3:35:14 PM
Instrument 5
DB-ALC2

Blank
Estuardo J. Miranda

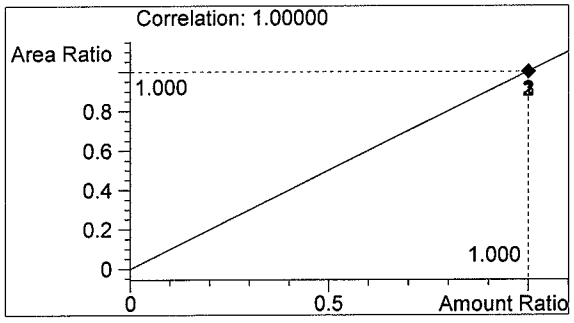
vial # 8



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1625	1.946
Totals:			



Ethanol 0.000 g/100ml



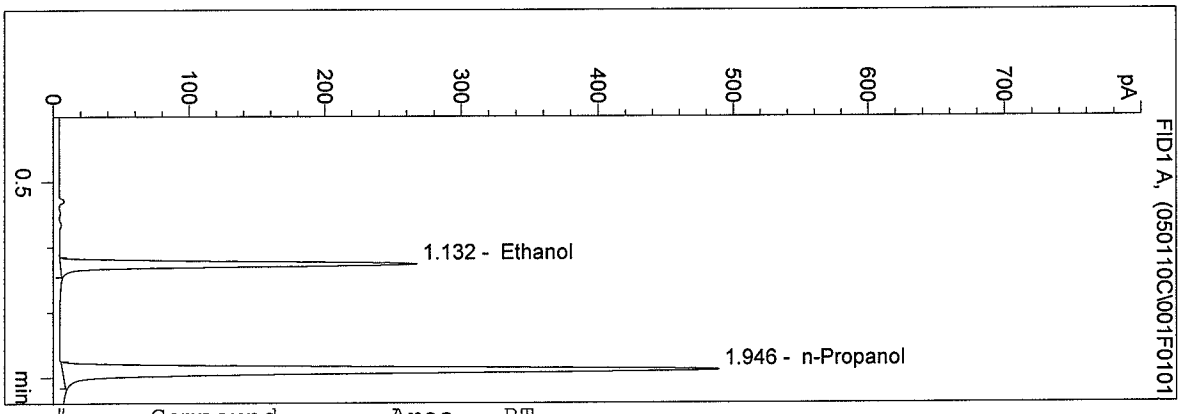
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
1/10/2005 12:45:29 PM
Instrument 5
DB-ALC2

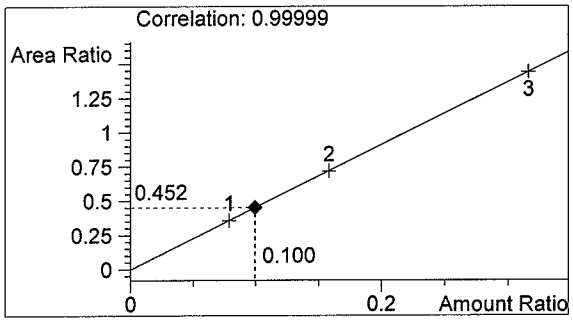
0.10 control
bcapron

vial # 1

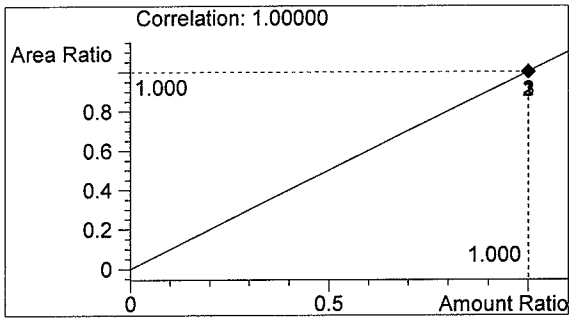


#	Compound	Area	RT
1	Ethanol	738	1.132
2	n-Propanol	1632	1.946

Totals:



Ethanol 0.100 g/100ml



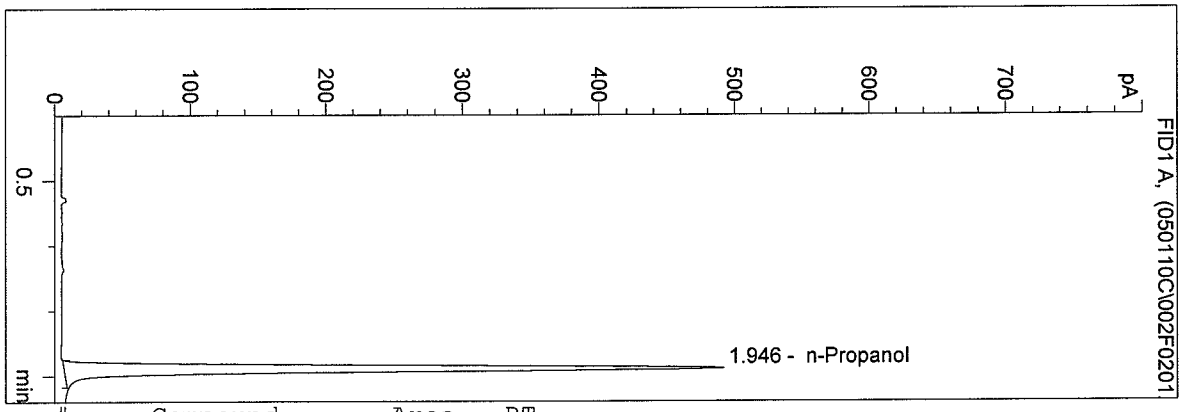
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

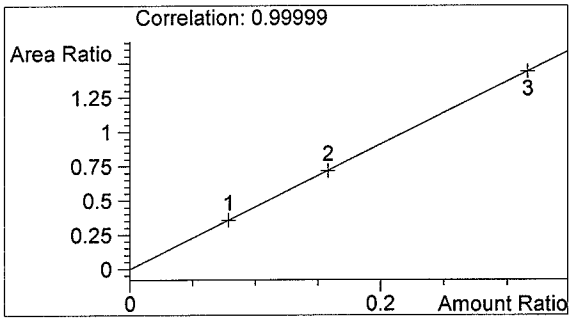
D:\HPCHEM\1\METHODS\BLDALCO2.M
1/10/2005 12:48:06 PM
Instrument 5
DB-ALC2

blank
bcapron

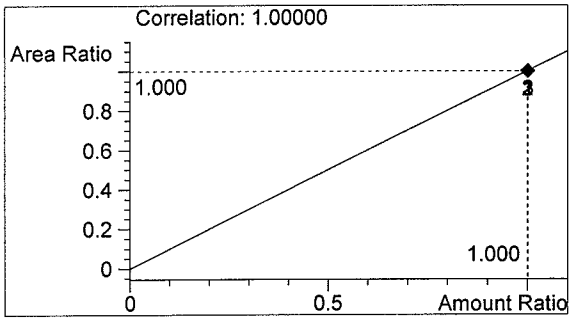
vial # 2



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1641	1.946
Totals:			



Ethanol 0.000 g/100ml

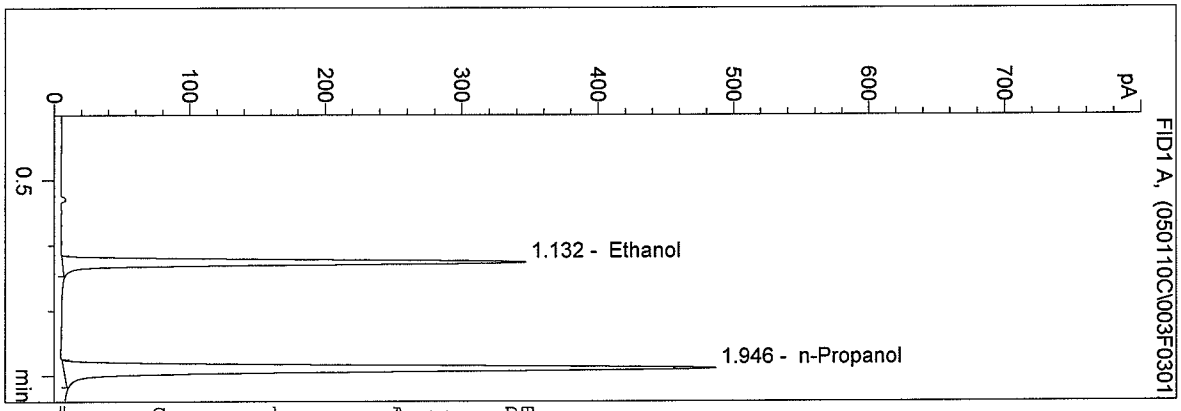


n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

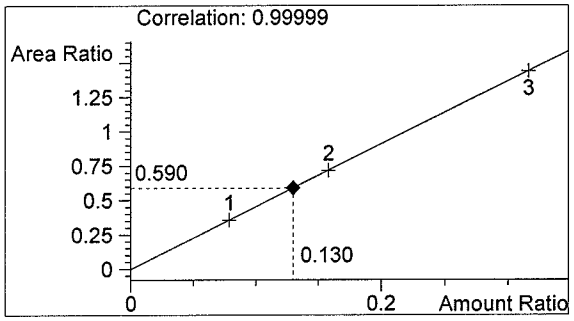
D:\HPCHEM\1\METHODS\BLDALCO2.M
1/10/2005 12:50:53 PM 05004
Instrument 5 bcapron
DB-ALC2

vial # 3

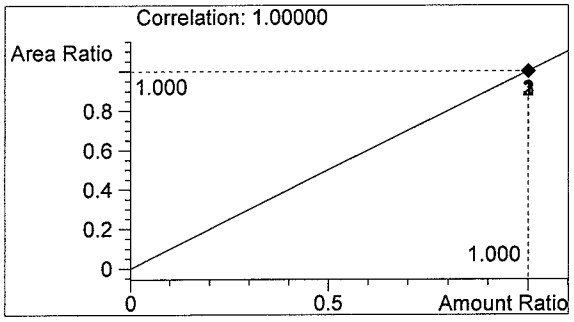


#	Compound	Area	RT
1	Ethanol	961	1.132
2	n-Propanol	1629	1.946

Totals:



Ethanol 0.130 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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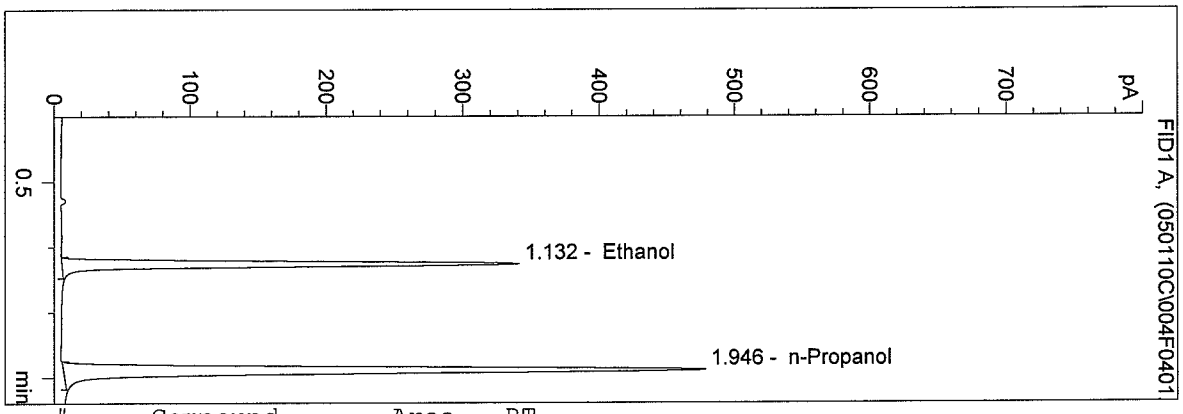
1/10/2005 12:53:38 PM
Instrument 5
DB-ALC2

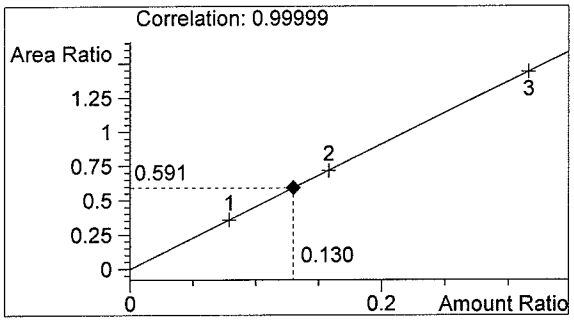
05004
bcapron

vial # 4

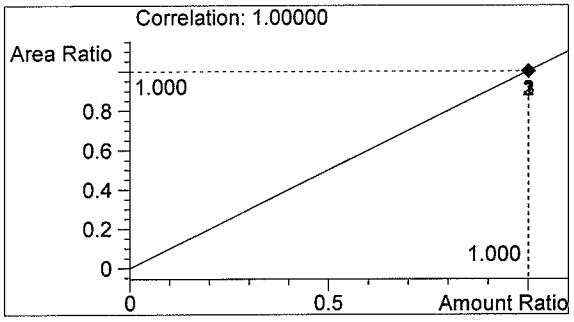


#	Compound	Area	RT
1	Ethanol	950	1.132
2	n-Propanol	1606	1.946

Totals:



Ethanol 0.130 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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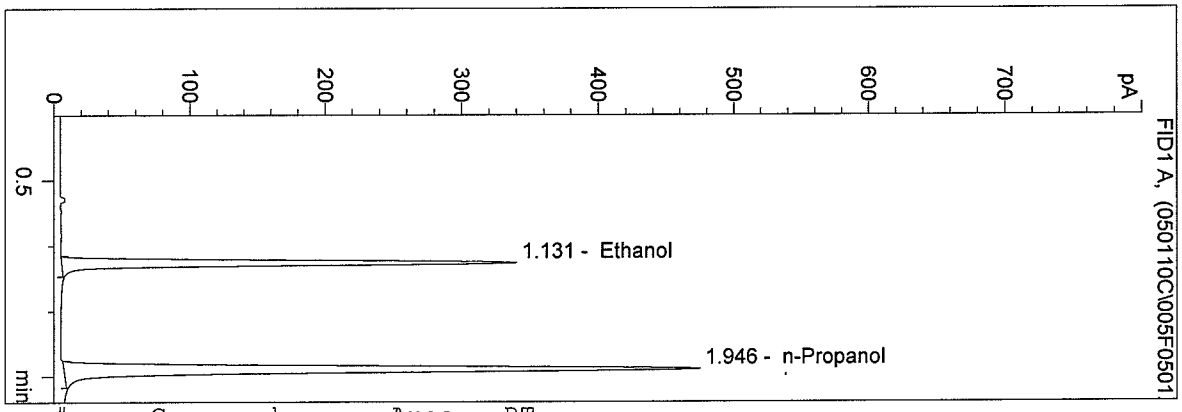
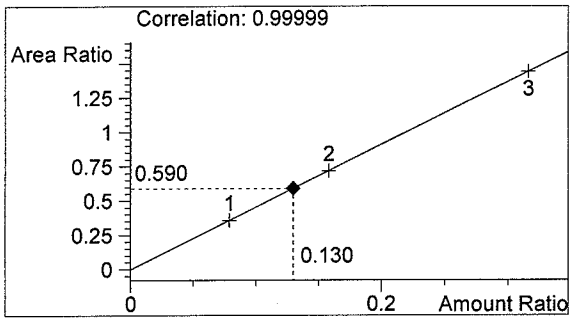
1/10/2005 12:57:21 PM 05004
Instrument 5 bcapron
DB-ALC2

vial # 5

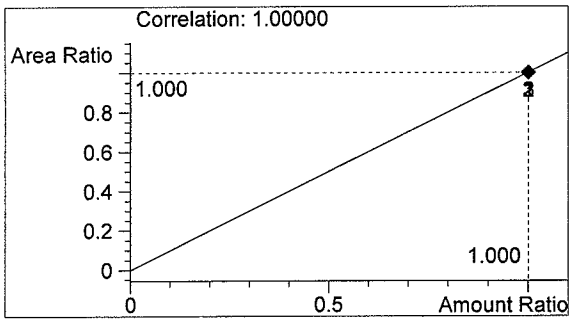


#	Compound	Area	RT
1	Ethanol	930	1.131
2	n-Propanol	1575	1.946

Totals:



Ethanol 0.130 g/100ml

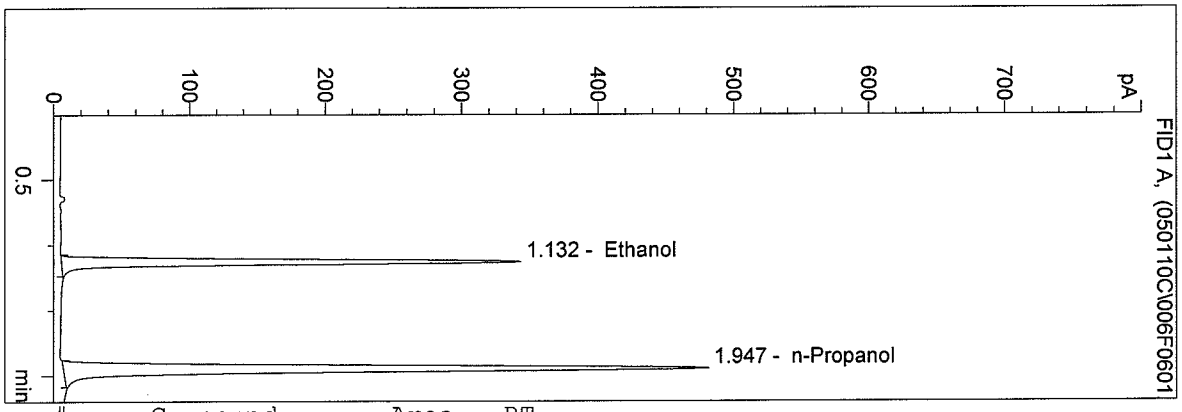


n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

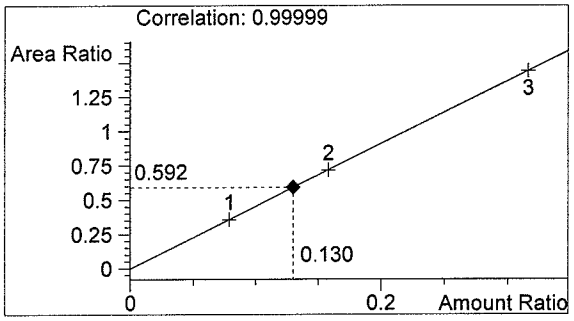
D:\HPCHEM\1\METHODS\BLDALCO2.M
1/10/2005 1:00:21 PM 05004
Instrument 5 bcapron
DB-ALC2

vial # 6

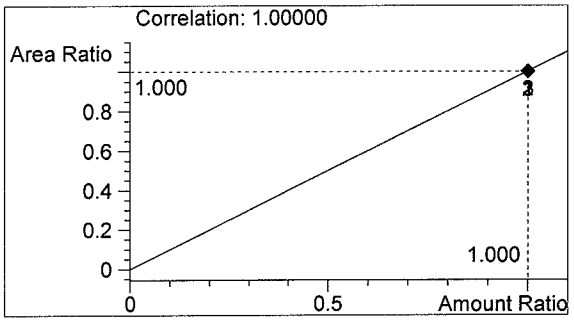


#	Compound	Area	RT
1	Ethanol	950	1.132
2	n-Propanol	1605	1.947

Totals:



Ethanol 0.130 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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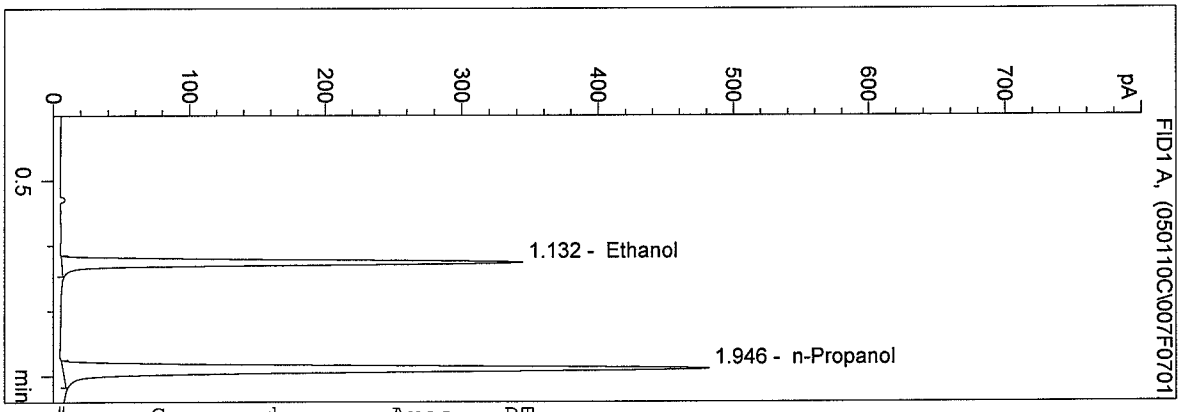
1/10/2005 1:03:03 PM
Instrument 5
DB-ALC2

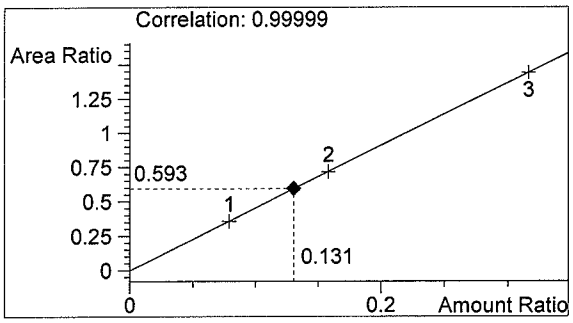
05004
bcapron

vial # 7

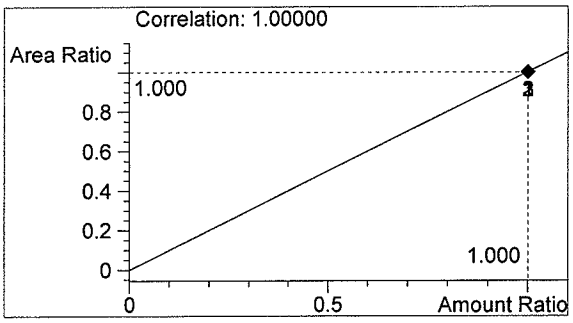


#	Compound	Area	RT
1	Ethanol	960	1.132
2	n-Propanol	1617	1.946

Totals:



Ethanol 0.131 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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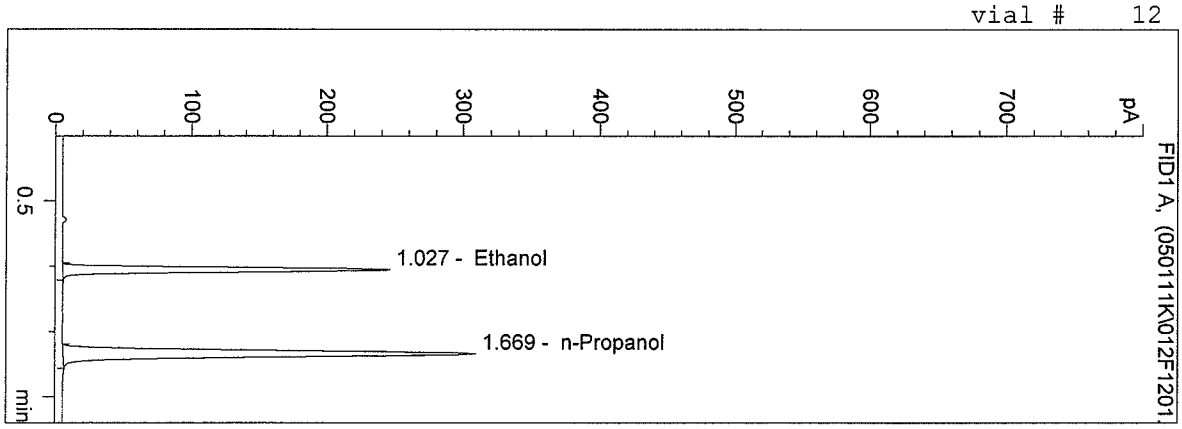
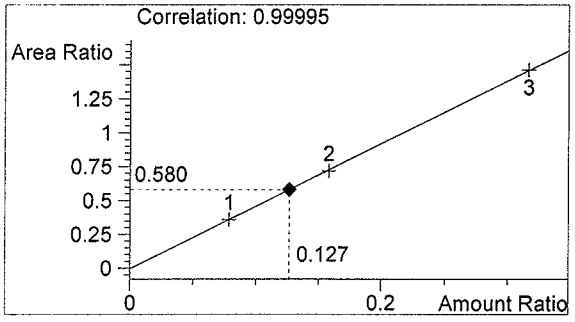
1/11/2005 4:09:59 PM
Instrument 4
DB-ALC1

05004 QA #1
Kari Gruendell

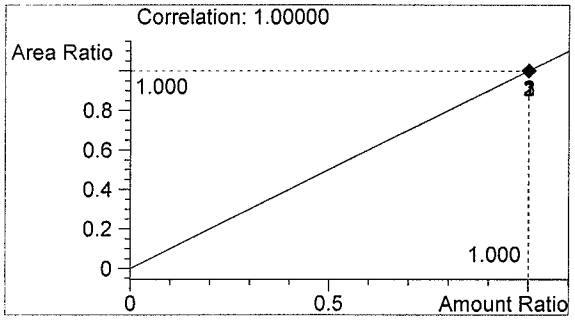
vial # 12



#	Compound	Area	RT
1	Ethanol	589	1.027
2	n-Propanol	1015	1.669
Totals:			



Ethanol 0.127 g/100ml



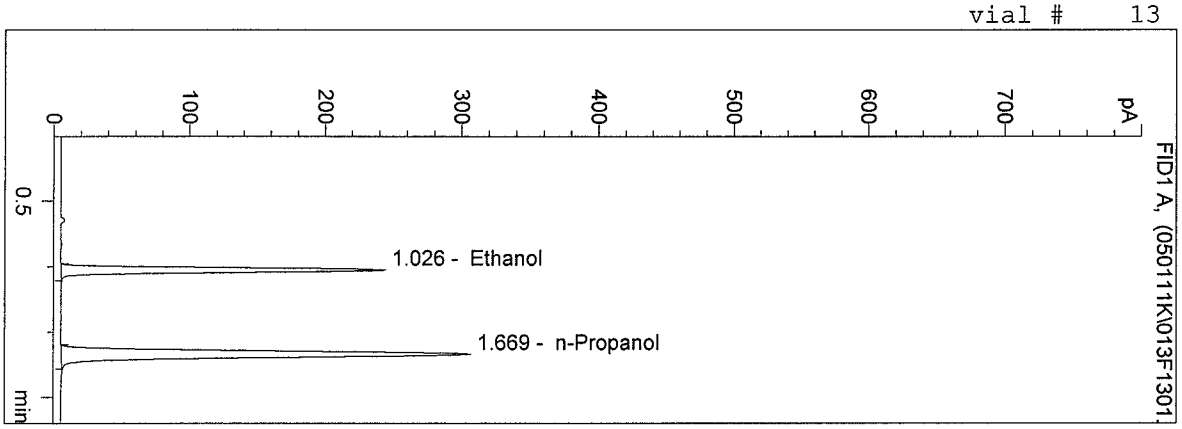
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

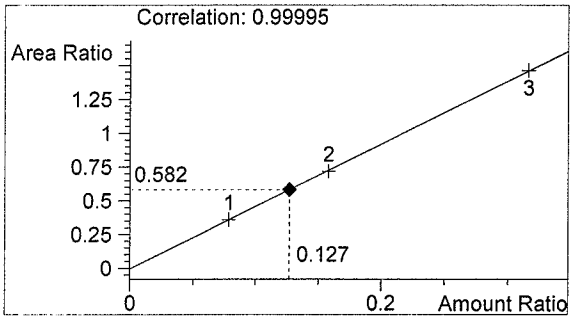
D:\HPCHEM\1\METHODS\BLDALCO.M
1/11/2005 4:13:14 PM
Instrument 4
DB-ALC1

05004 QA #2
Kari Gruendell

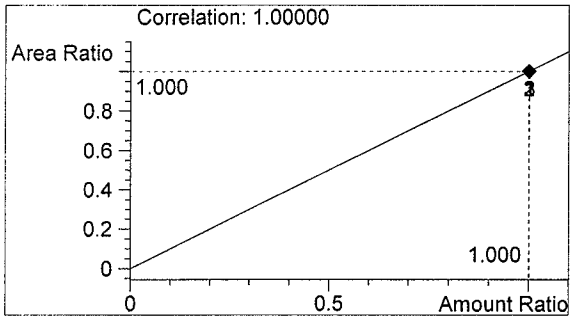
vial # 13



#	Compound	Area	RT
1	Ethanol	586	1.026
2	n-Propanol	1007	1.669
Totals:			



Ethanol 0.127 g/100ml



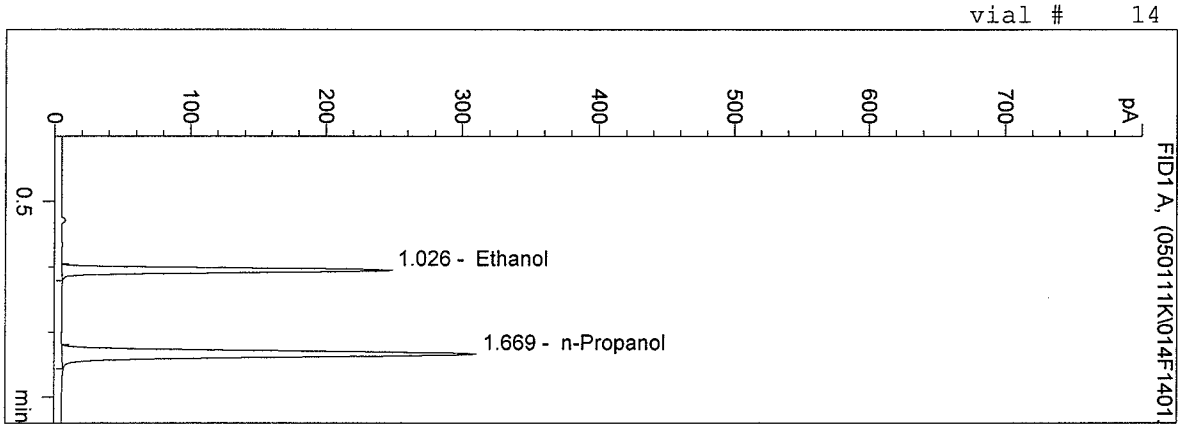
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
1/11/2005 4:16:27 PM
Instrument 4
DB-ALC1

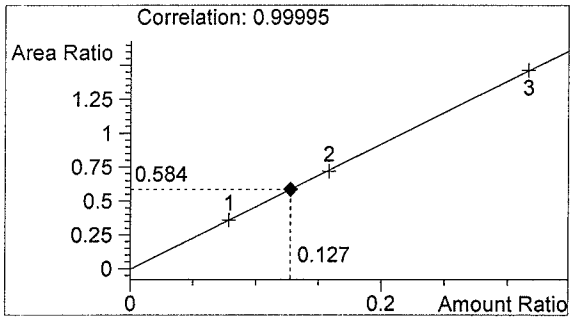
05004 QA #3
Kari Gruendell

vial # 14

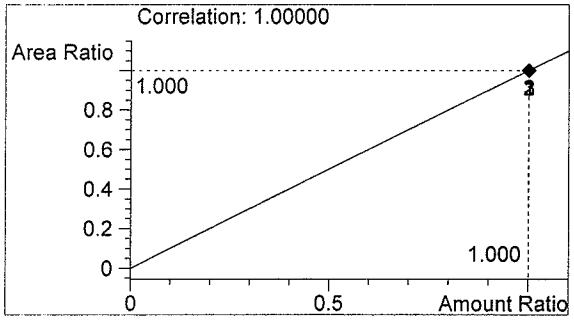


#	Compound	Area	RT
1	Ethanol	596	1.026
2	n-Propanol	1020	1.669

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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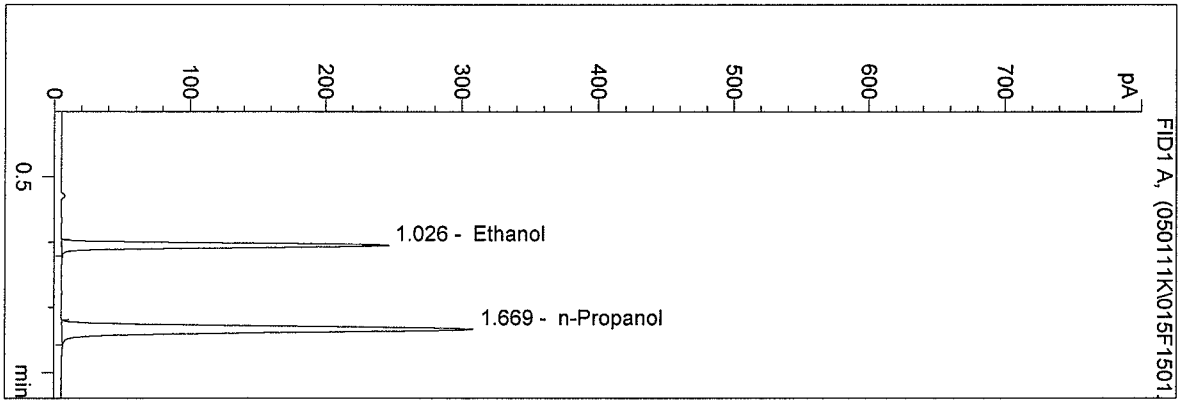
1/11/2005 4:19:40 PM
Instrument 4
DB-ALC1

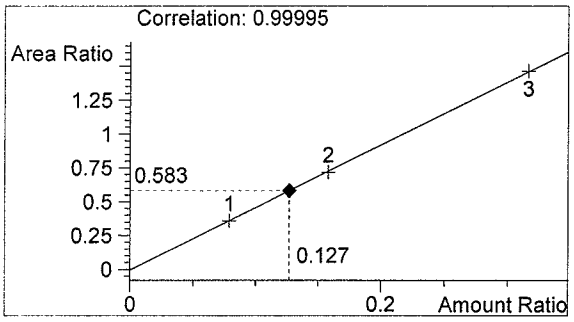
05004 QA #4
Kari Gruendell

vial # 15

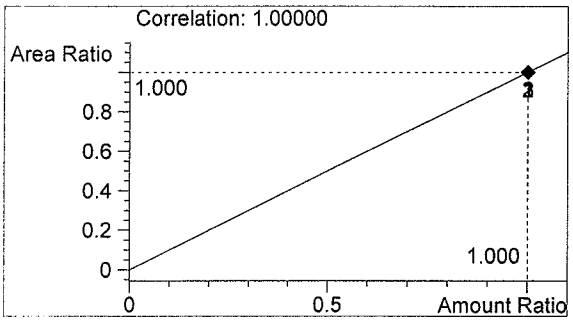


#	Compound	Area	RT
1	Ethanol	592	1.026
2	n-Propanol	1016	1.669

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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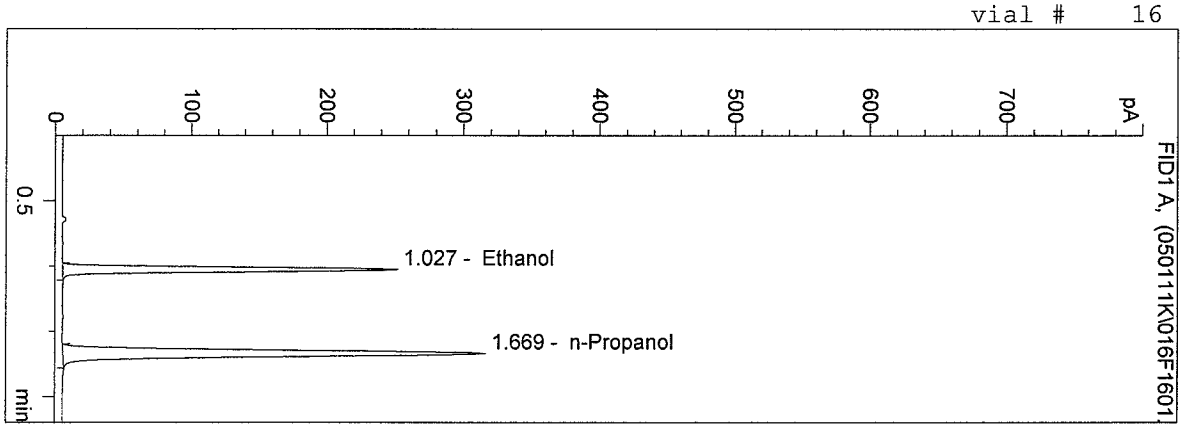
1/11/2005 4:22:50 PM
Instrument 4
DB-ALC1

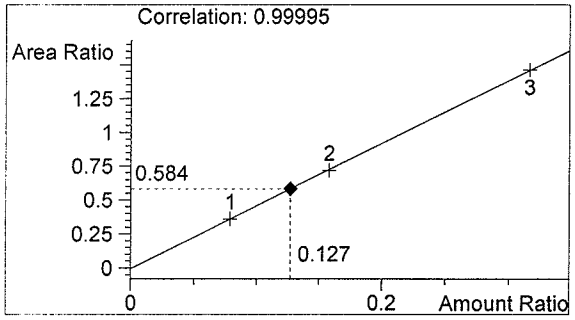
05004 QA #5
Kari Gruendell

vial # 16

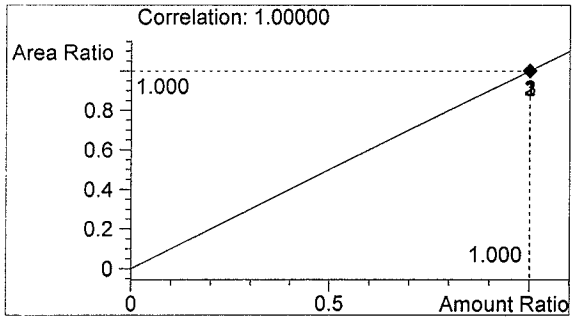


#	Compound	Area	RT
1	Ethanol	606	1.027
2	n-Propanol	1039	1.669

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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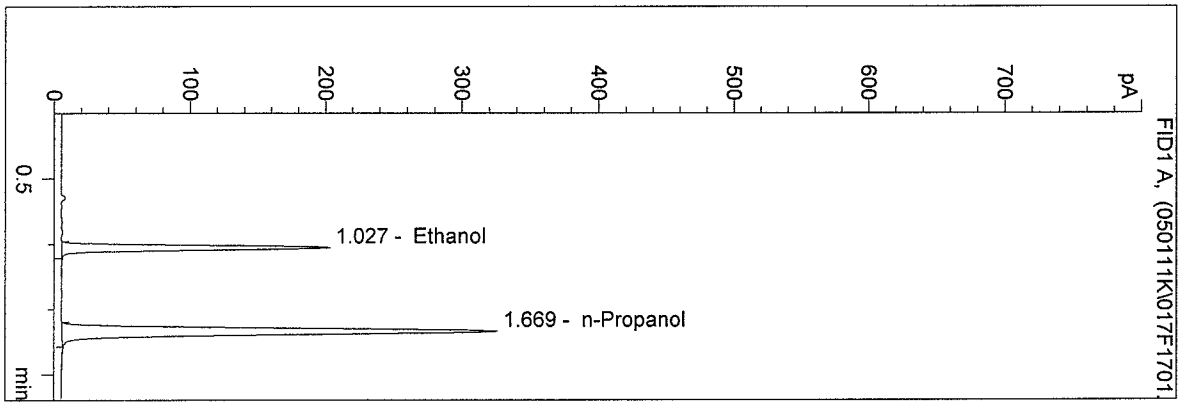
1/11/2005 4:25:56 PM
Instrument 4
DB-ALC1

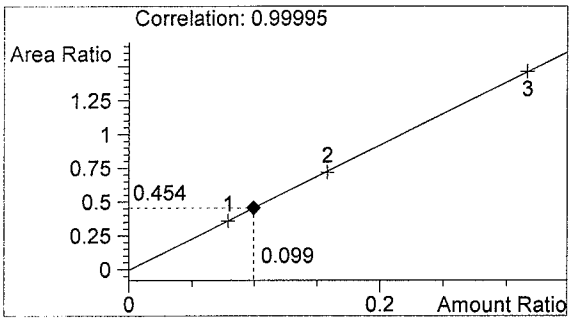
0.10 CONTROL
Kari Gruendell

vial # 17

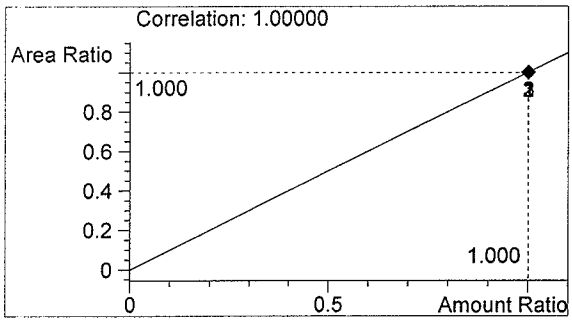


#	Compound	Area	RT
1	Ethanol	487	1.027
2	n-Propanol	1073	1.669

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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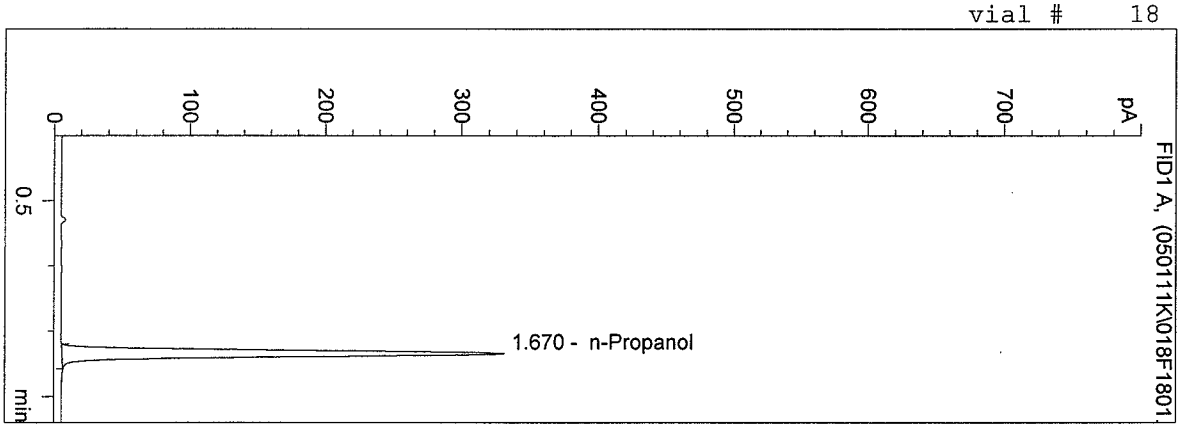
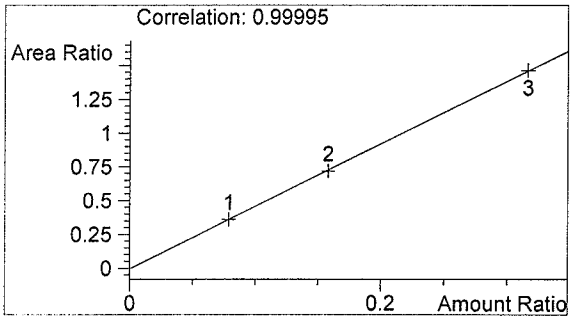
Instrument 4 Kari Gruendell
DB-ALC1

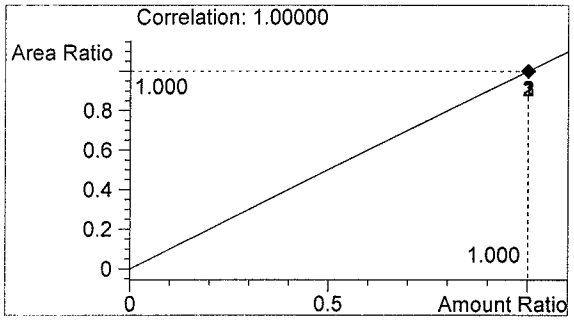
vial # 18



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1096	1.670
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml