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. 10-16-07

Tpr. Ken Denton Date

R.G.G. 10-16-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GULLBERG Date 10-8-07

Location TOX LAB SEATTLE Batch Number 05040

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 ___ Not Correct X

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

Corrections Necessary:

DATE OF ANALYSIS FOR BRIAN C. INCORRECT
MISSING LOT # AND EXP. DATE FOR CONTROL

Comments:

Reviewer Signature: R J Gullberg Date: 10-8-07

Reviewer Signature: K.L. Denton 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 **0.15** g/210L Quality Assurance solution

Batch number **05040** Date: 10/19/2005

Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12	Anal 13	Anal14	Anal 15	Anal 16
1	0.185	0.186	0.183													
2	0.186	0.186	0.184													
3	0.185	0.186	0.184													
4	0.185	0.187	0.183													
5	0.185	0.187	0.184													
Ctrl	0.100	0.100	0.099													

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

Statistics:
Avg. solution concent.: 0.1851 g/100 mL
SD: 0.00128
Range (3xSD): 0.1813 to 0.1889
Precision CV (%): 0.6915 %

Equivalent vapor concent.: 0.1505 g/210L

Analyst	Name	Signature	Date
1	Edward Formoso		10/24/2005
2	Naziha Nuwayhid, PhD		10/21/2005
3	Brian Capron	10.25.2005	~~10/26/2005~~ 10.11.07
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Edward Formoso according to the approved protocol

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

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

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

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

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

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1851 grams per 100ml.

Dated: 12/29/05
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/la
EFQA

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360•Seattle, Washington 98134-2927•(206) 262-6100•FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Naziha Nuwayhid, 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 and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and five years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1851 grams per 100ml.

Dated: 12/29/05
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/la
NNQA

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.

10/12/07

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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 nine years of experience in forensic toxicology.

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1851 grams per 100ml.

Dated: 12/29/05
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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Preparation and certification of **0.15** g/210L Quality Assurance solution

Batch number **05040** Date: 10/19/2005

Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water

Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal10	Anal 11	Anal 12	Anal 13	Anal14	Anal 15	Anal 16
1	0.185	0.186	0.183													
2	0.186	0.186	0.184													
3	0.185	0.186	0.184													
4	0.185	0.187	0.018													
5	0.185	0.187	0.184													
Ctrl	0.100	0.100	0.099													

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

Equivalent vapor concent.: 0.1415 g/210L

Statistics:
Avg. solution concent.: 0.1741 g/100 mL
SD: 0.04311
Range (3xSD): 0.0448 to 0.3034
Precision CV (%): 24.7629 %

Analyst	Name	Signature	Date
1	Edward Formoso		10/24/2005
2	Naziha Nuwayhid, PhD		10/21/2005
3	Brian Capron		10/26/2005
4			
5			
6			
7			
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10			
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13			
14			
15			
16			

Prepared by: Edward Formoso according to the approved protocol

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DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

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

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

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

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1741 grams per 100ml.

Dated: 10/26/05
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/la
EFQA

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DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Naziha Nuwayhid, 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 and Masters degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and five years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1741 grams per 100ml.

Dated: 10/26/05
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/la
NNQA

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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 nine years of experience in forensic toxicology.

The quality assurance solution, Lot Number 05040, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1741 grams per 100ml.

Dated: 10/26/05
Seattle, WA

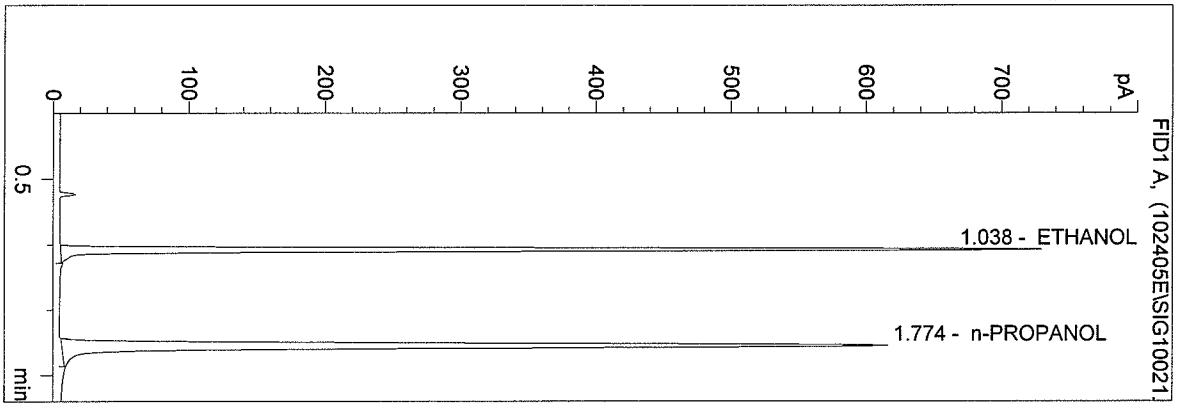
Brian Capron
Forensic Toxicologist

BC/la
BCQA

WASHINGTON STATE TOXICOLOGY LABORATORY

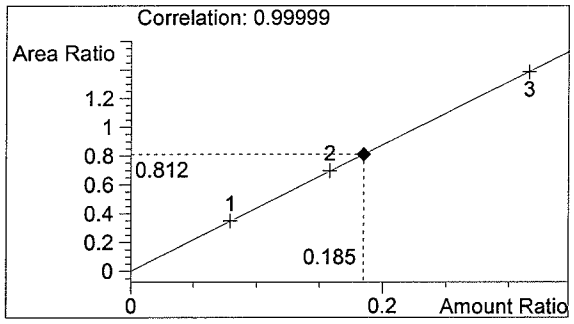
C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:25:40 PM 05040
Instrument 3 ED FORMOSO
db-alc2

vial # 21

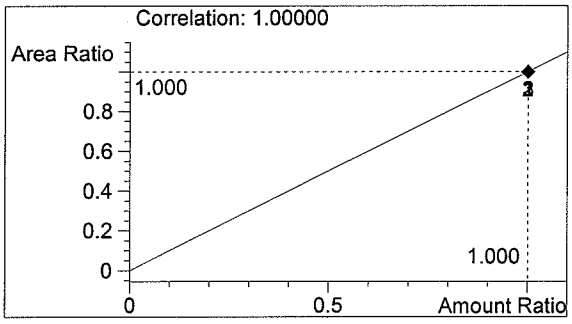


#	Compound	Area	RT
1	ETHANOL	1332	1.038
2	n-PROPANOL	1639	1.774

Totals:



ETHANOL 0.185 g/100ml



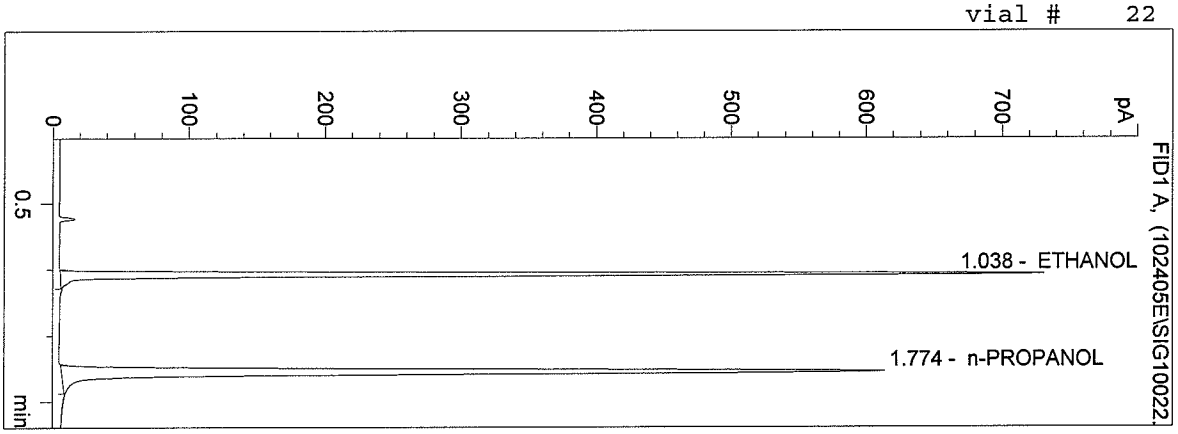
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:28:47 PM
Instrument 3
db-alc2

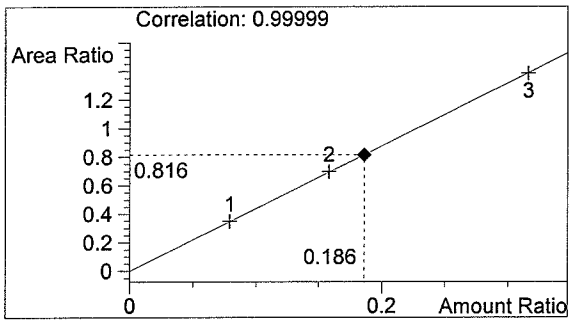
05040
ED FORMOSO

vial # 22

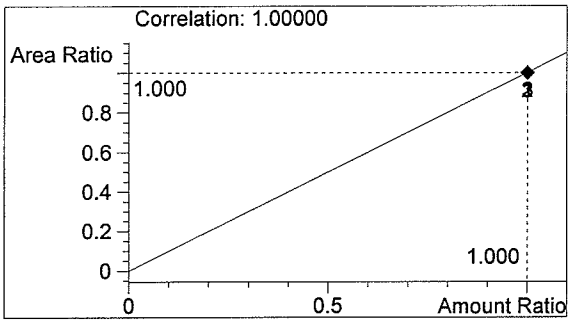


#	Compound	Area	RT
1	ETHANOL	1336	1.038
2	n-PROPANOL	1637	1.774

Totals:



ETHANOL 0.186 g/100ml



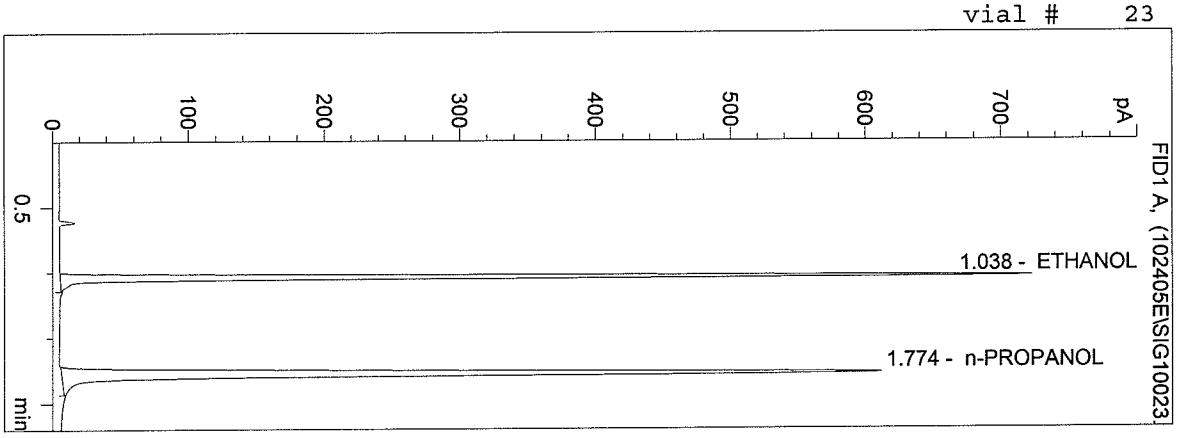
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:31:54 PM
Instrument 3
db-alc2

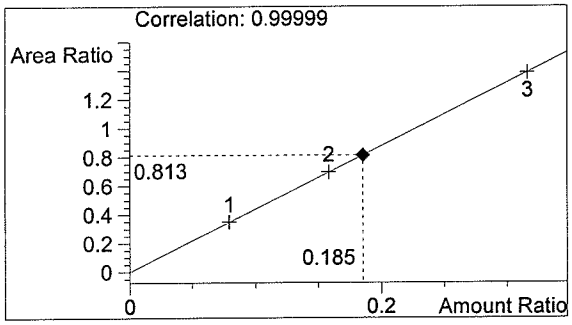
05040
ED FORMOSO

vial # 23

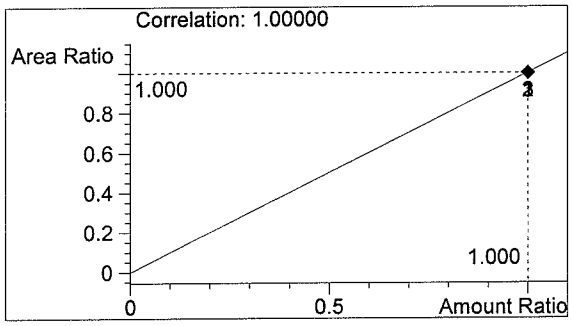


#	Compound	Area	RT
1	ETHANOL	1323	1.038
2	n-PROPANOL	1628	1.774

Totals:



ETHANOL 0.185 g/100ml



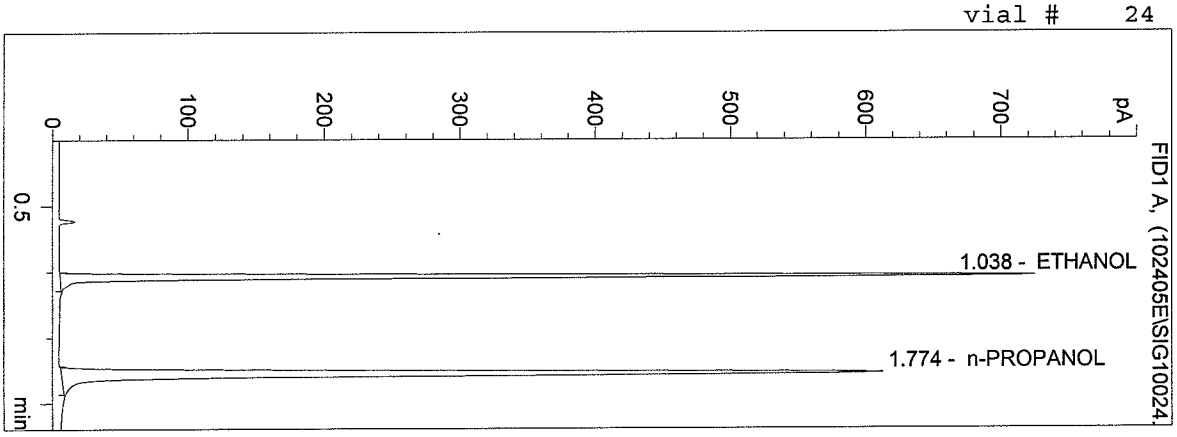
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

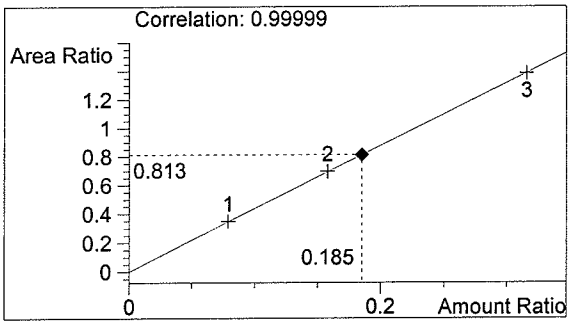
C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:35:02 PM
Instrument 3
db-alc2

05040
ED FORMOSO

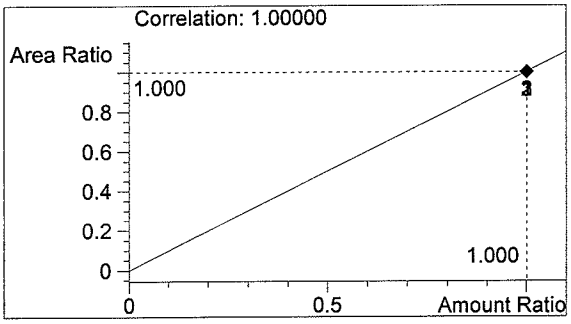
vial # 24



#	Compound	Area	RT
1	ETHANOL	1327	1.038
2	n-PROPANOL	1633	1.774
Totals:			



ETHANOL 0.185 g/100ml



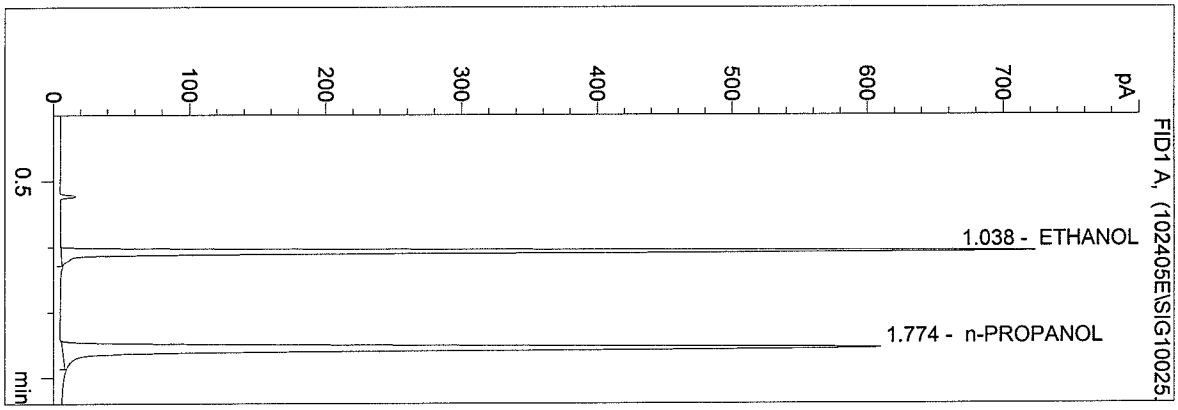
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:38:09 PM
Instrument 3
db-alc2

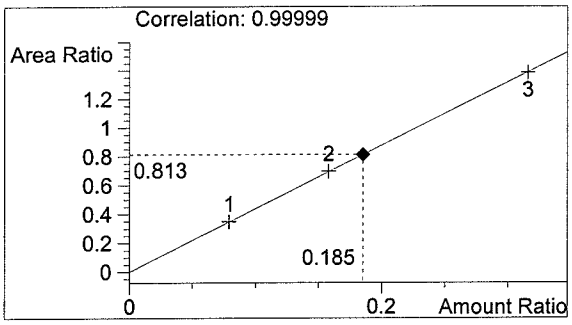
05040
ED FORMOSO

vial # 25

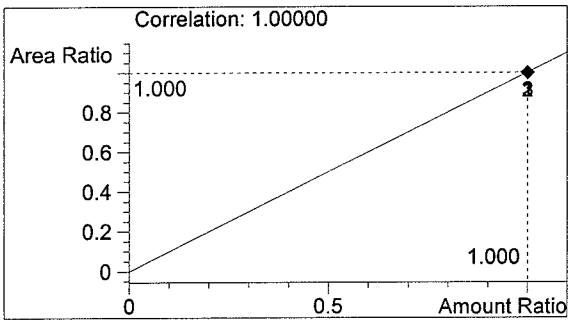


#	Compound	Area	RT
1	ETHANOL	1321	1.038
2	n-PROPANOL	1624	1.774

Totals:



ETHANOL 0.185 g/100ml



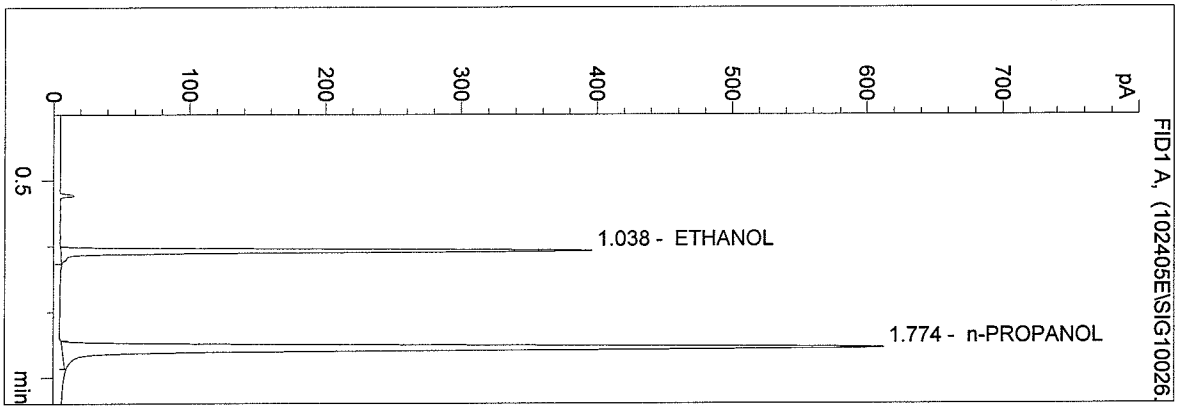
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/24/2005 12:41:16 PM
Instrument 3
db-alc2

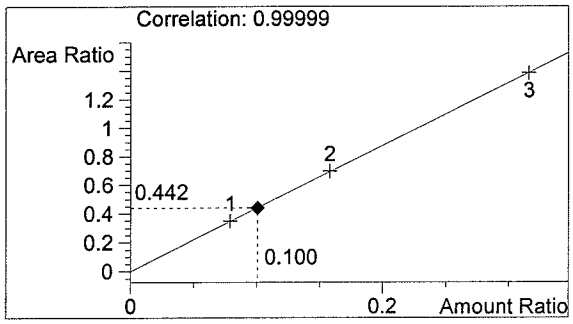
0.10 CONTROL
ED FORMOSO

vial # 26

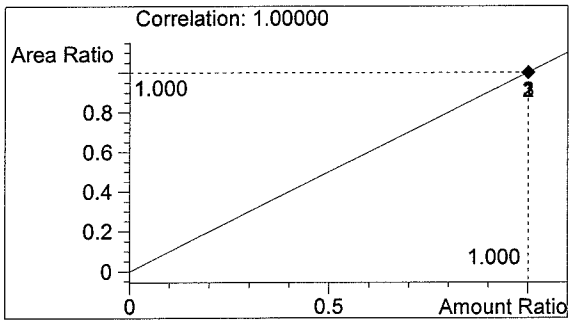


#	Compound	Area	RT
1	ETHANOL	720	1.038
2	n-PROPANOL	1628	1.774

Totals:



ETHANOL 0.100 g/100ml



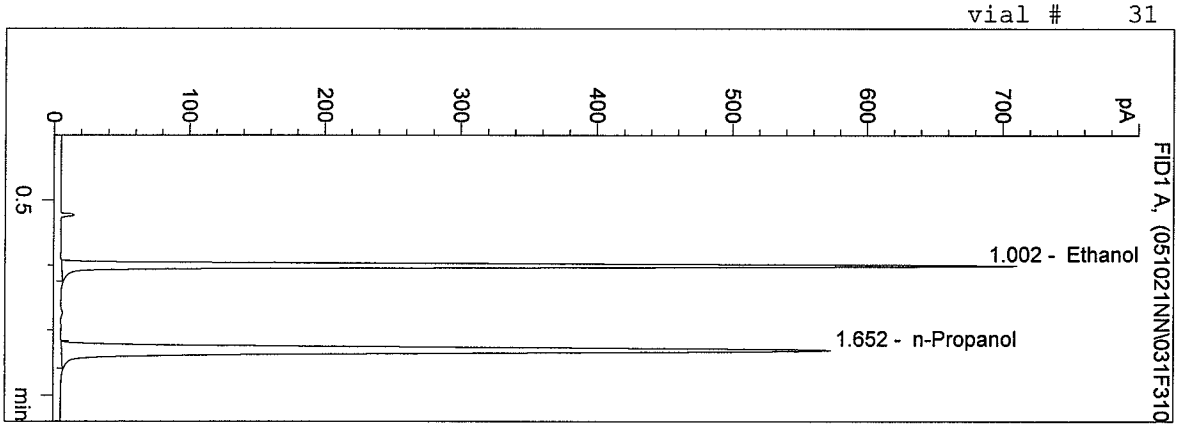
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

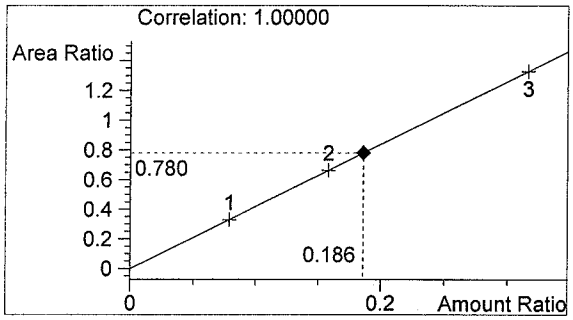
D:\HPCHEM\1\METHODS\BLDALCO.M
10/21/2005 11:35:34 AM
Instrument 4
DB-ALC1

05040 QA-1
N Nuwayhid, PhD

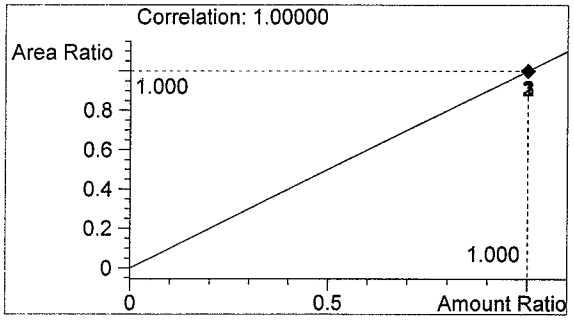
vial # 31



#	Compound	Area	RT
1	Ethanol	1379	1.002
2	n-Propanol	1768	1.652
Totals:			



Ethanol 0.186 g/100ml



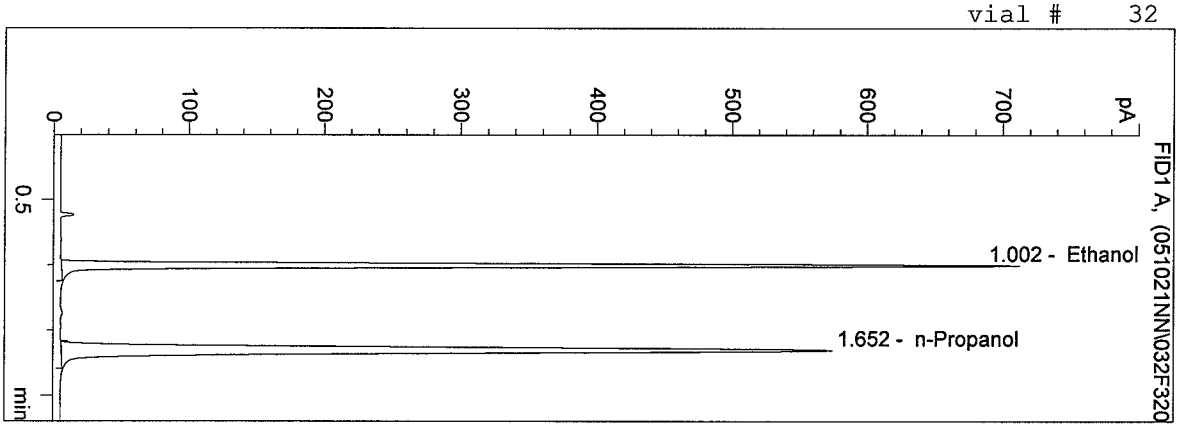
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
10/21/2005 11:38:54 AM
Instrument 4
DB-ALC1

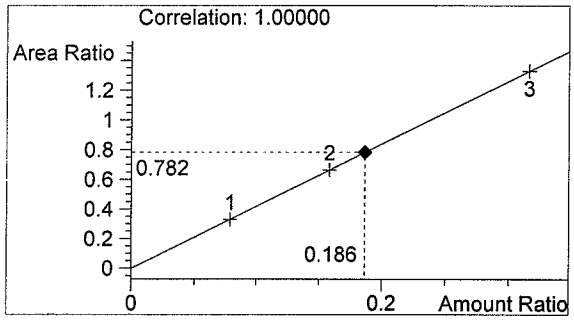
05040 QA-2
N Nuwayhid, PhD

vial # 32

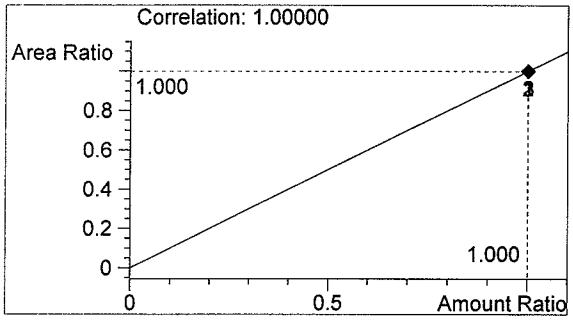


#	Compound	Area	RT
1	Ethanol	1388	1.002
2	n-Propanol	1775	1.652

Totals:



Ethanol 0.186 g/100ml



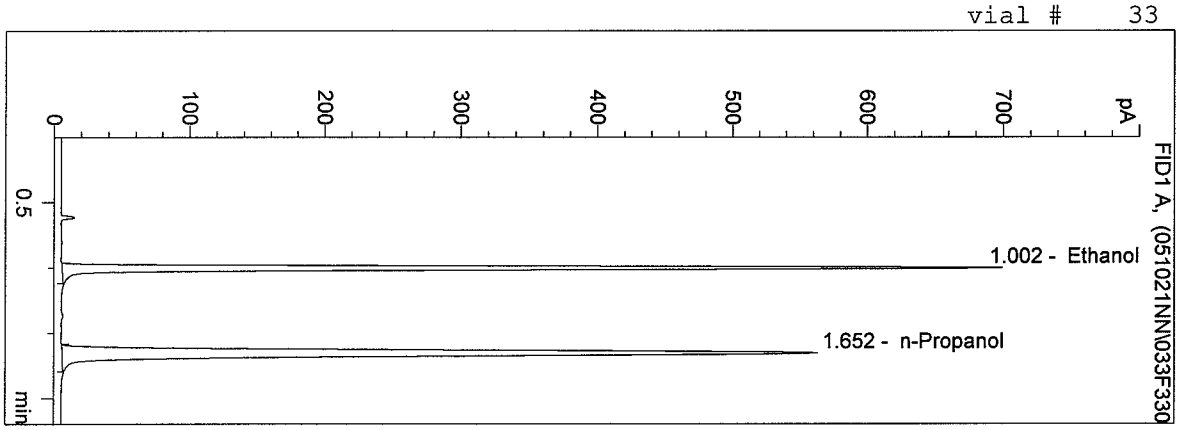
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

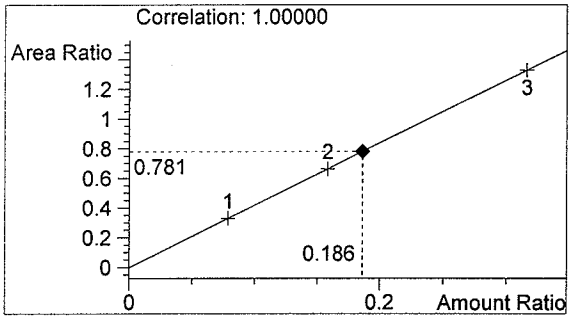
D:\HPCHEM\1\METHODS\BLDALCO.M
10/21/2005 11:42:12 AM
Instrument 4
DB-ALC1

05040 QA-3
N Nuwayhid, PhD

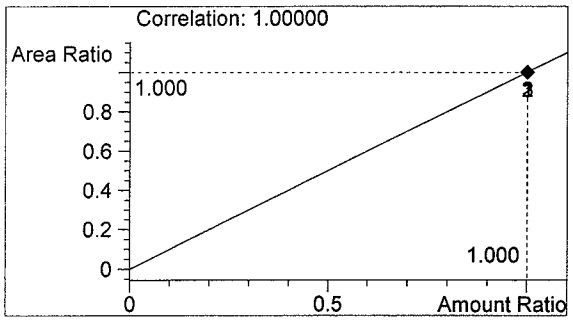
vial # 33



#	Compound	Area	RT
1	Ethanol	1357	1.002
2	n-Propanol	1736	1.652
Totals:			



Ethanol 0.186 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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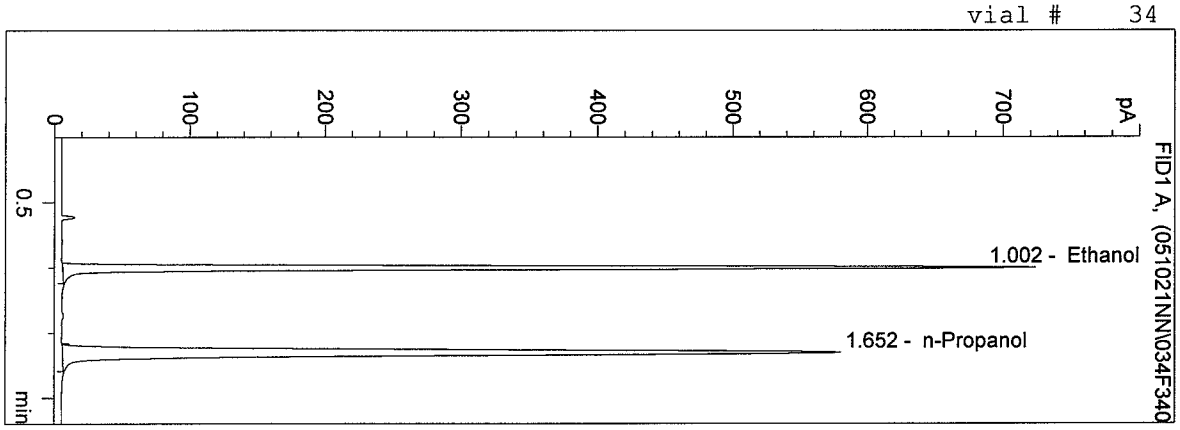
Instrument 4
DB-ALC1

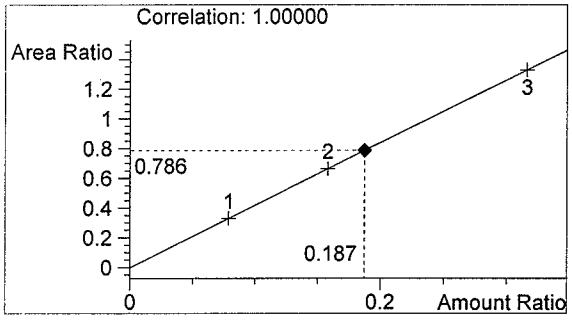
05040 QA-4
N Nuwayhid, PhD

vial # 34

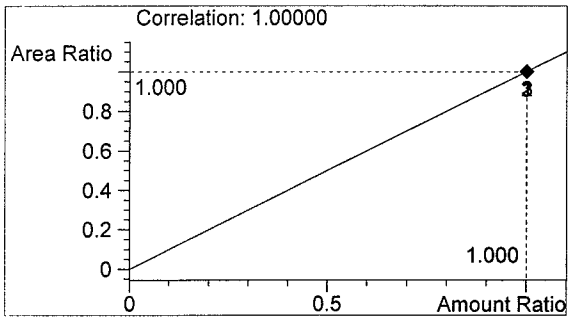


#	Compound	Area	RT
1	Ethanol	1408	1.002
2	n-Propanol	1791	1.652

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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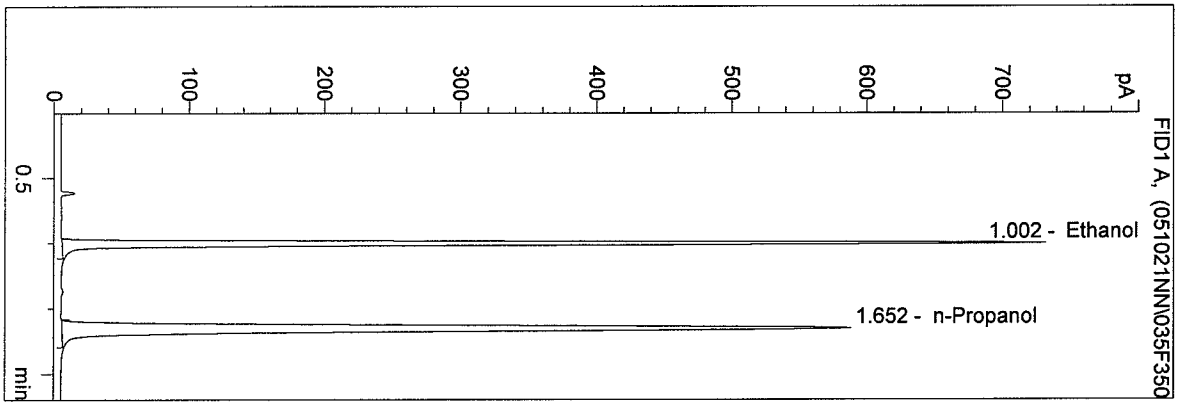
Instrument 4
DB-ALC1

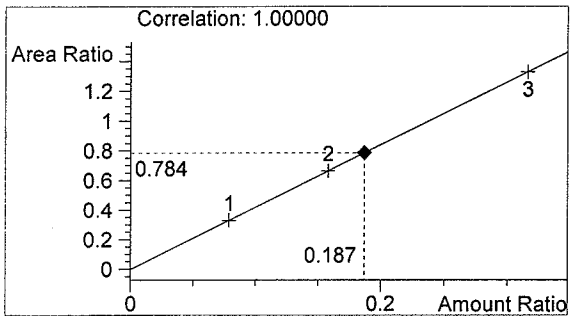
05040 QA-5
N Nuwayhid, PhD

vial # 35

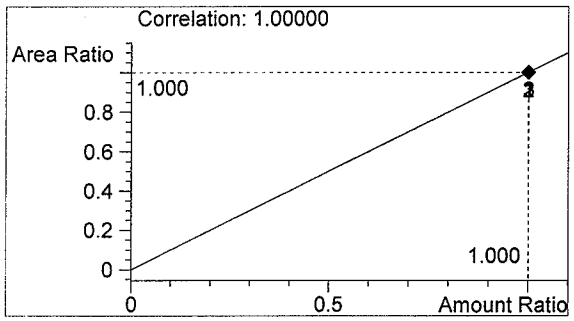


#	Compound	Area	RT
1	Ethanol	1423	1.002
2	n-Propanol	1815	1.652

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 4
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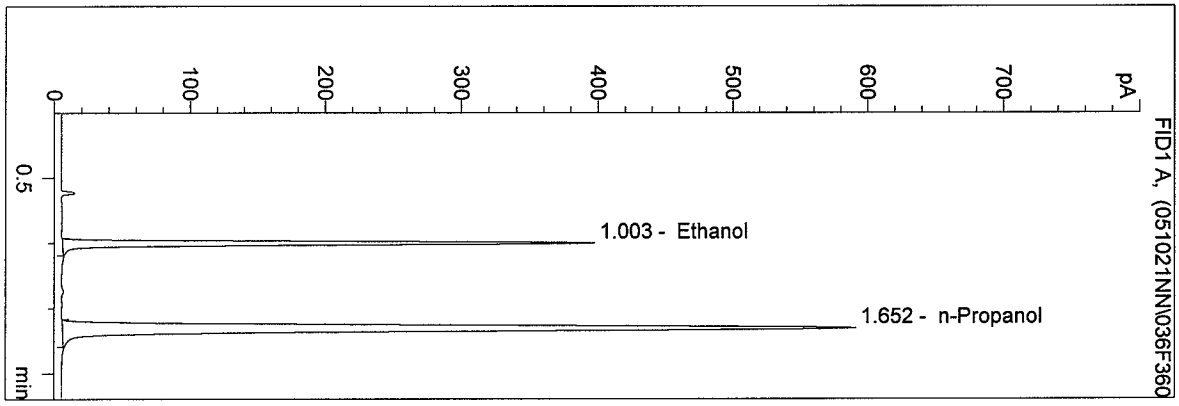
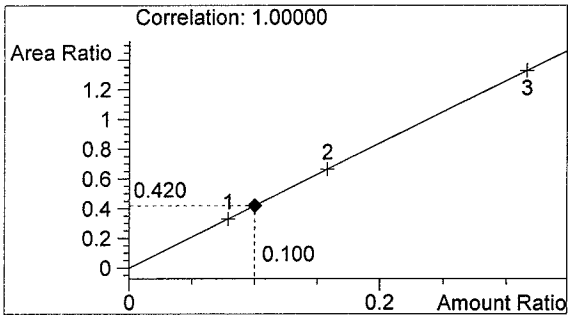
0.100 CTL-NN
N Nuwayhid, PhD

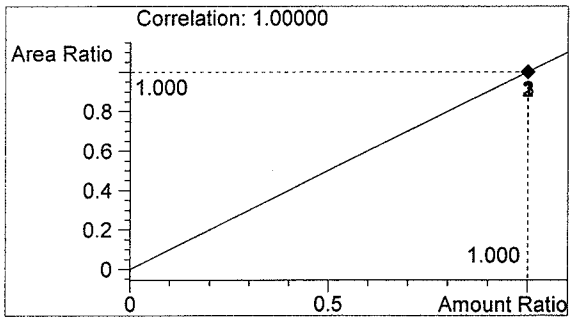
vial # 36



#	Compound	Area	RT
1	Ethanol	766	1.003
2	n-Propanol	1826	1.652
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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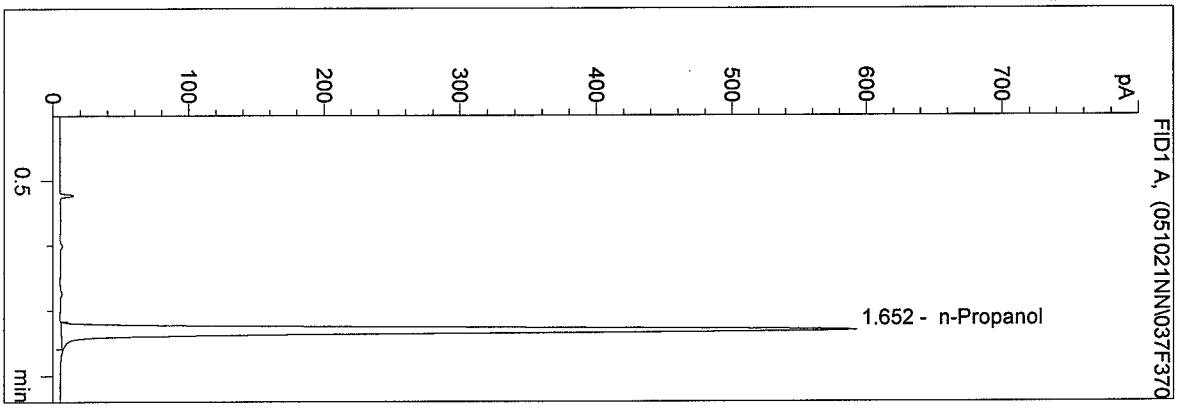
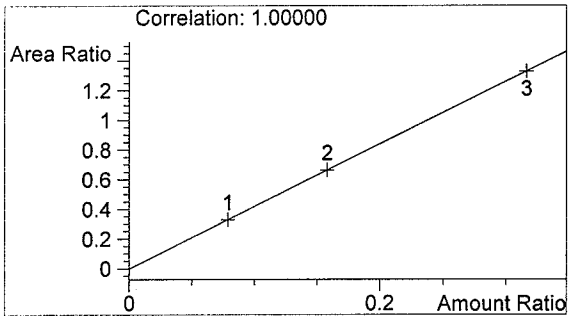
Instrument 4
DB-ALC1

Blank
N Nuwayhid, PhD

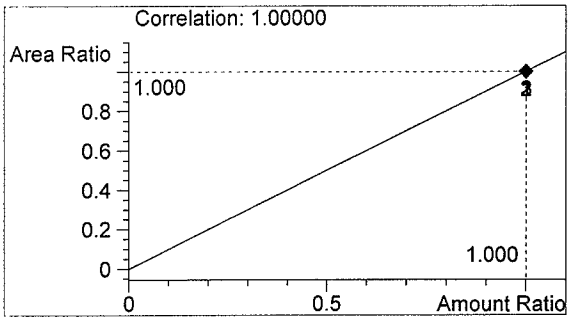
vial # 37



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1830	1.652
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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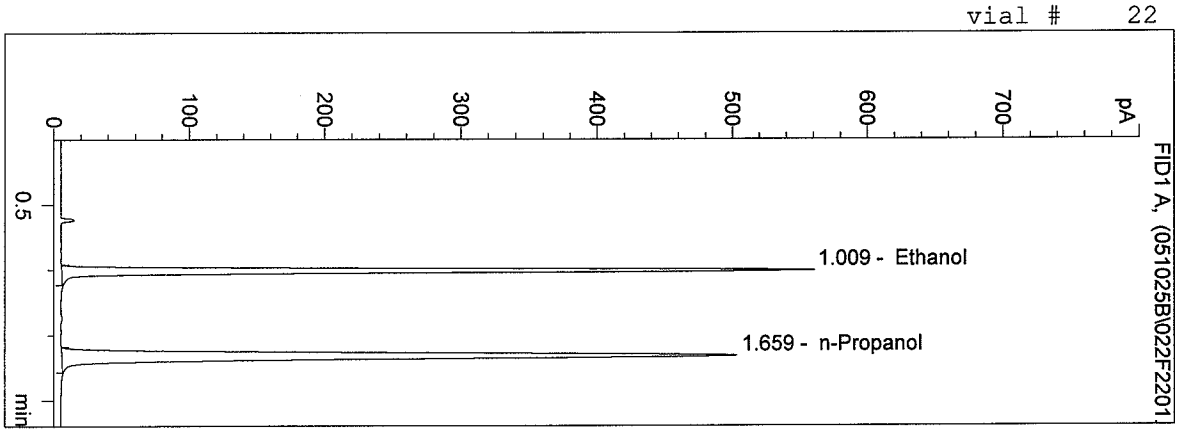
Instrument 4
DB-ALC1

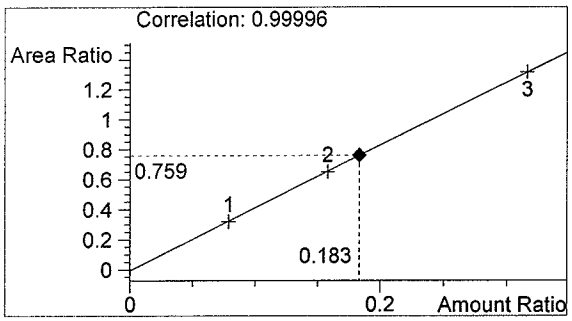
05040
bcapron

vial # 22

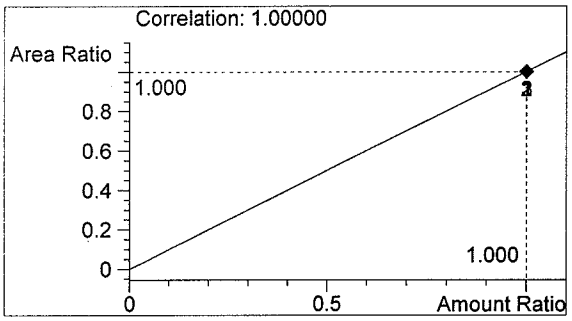


#	Compound	Area	RT
1	Ethanol	1210	1.009
2	n-Propanol	1595	1.659

Totals:



Ethanol 0.183 g/100ml



n-Propanol 1.000 g/100ml

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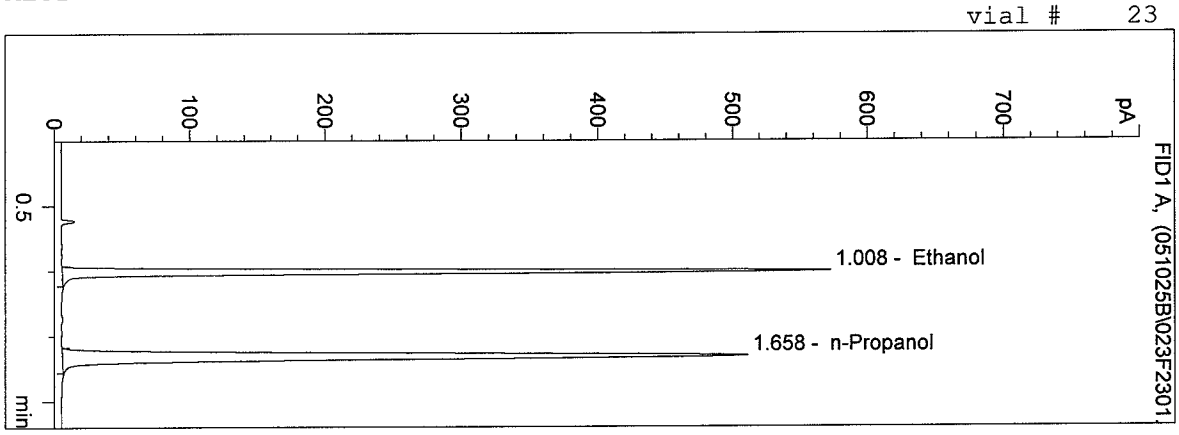
Instrument 4
DB-ALC1

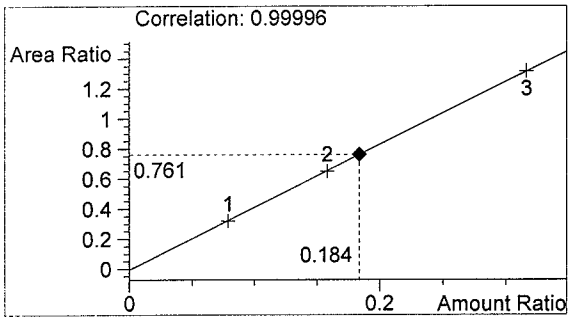
05040
bcapron

vial # 23

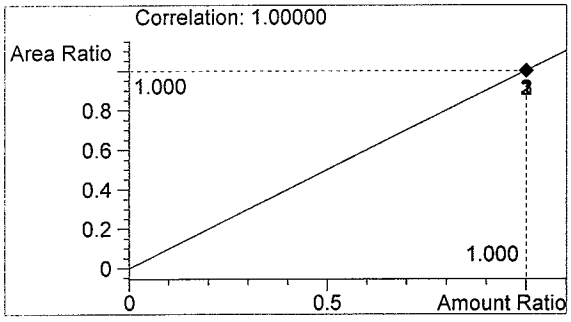


#	Compound	Area	RT
1	Ethanol	1231	1.008
2	n-Propanol	1617	1.658

Totals:



Ethanol 0.184 g/100ml



n-Propanol 1.000 g/100ml

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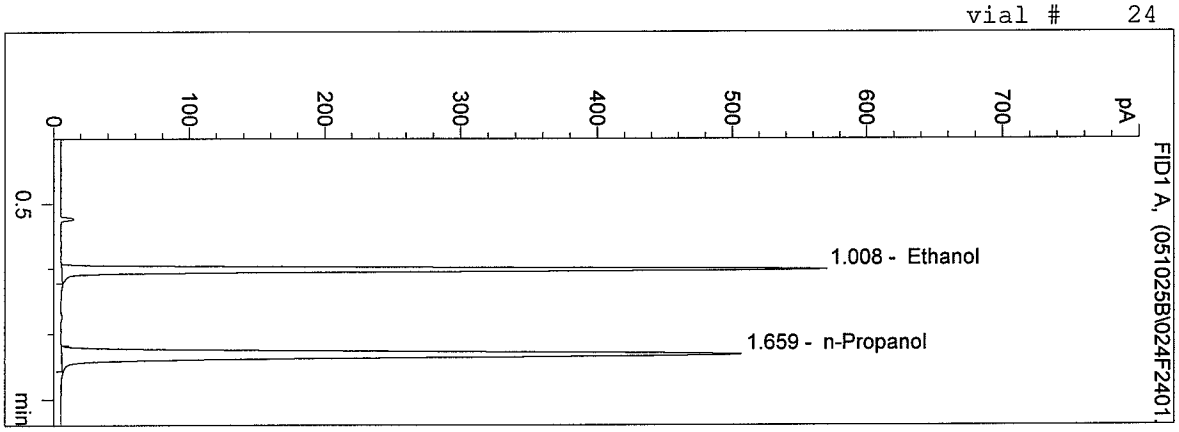
Instrument 4
DB-ALC1

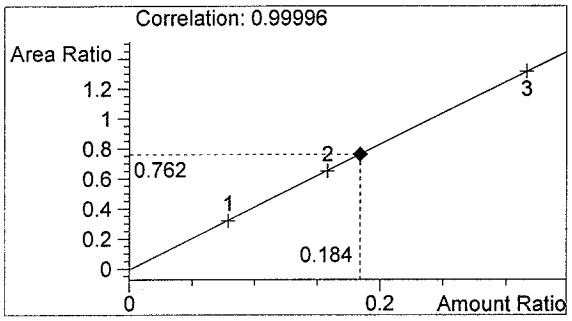
05040
bcapron

vial # 24

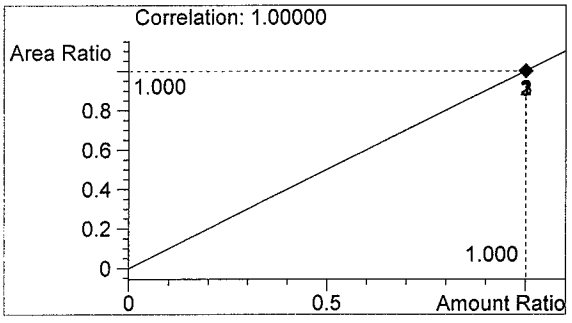


#	Compound	Area	RT
1	Ethanol	1224	1.008
2	n-Propanol	1606	1.659

Totals:



Ethanol 0.184 g/100ml



n-Propanol 1.000 g/100ml

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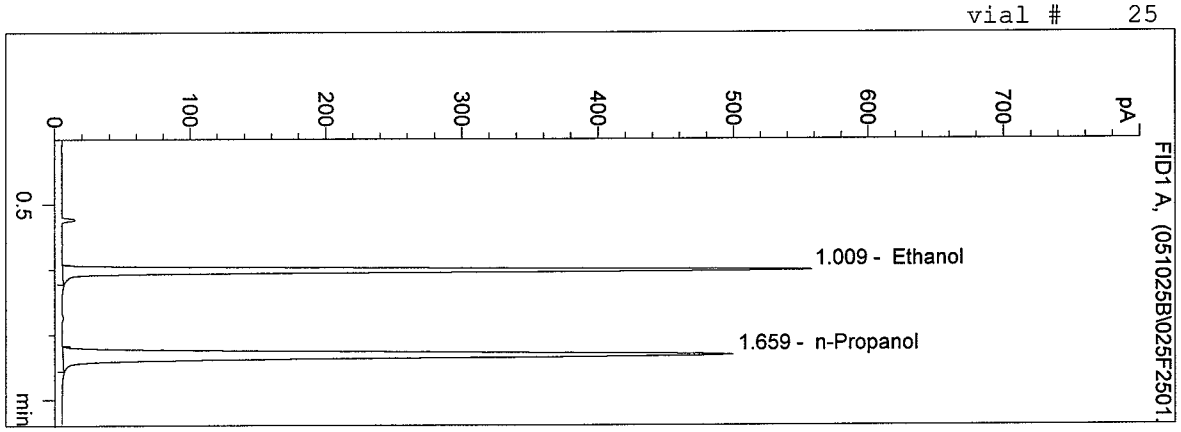
Instrument 4
DB-ALC1

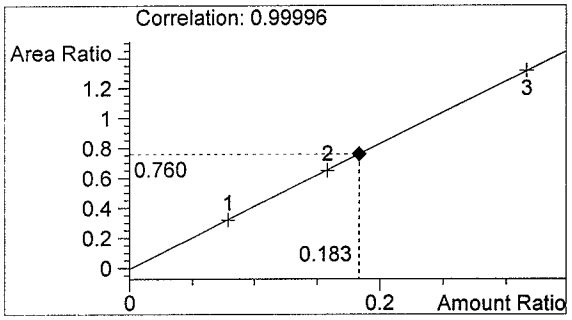
05040
bcapron

vial # 25

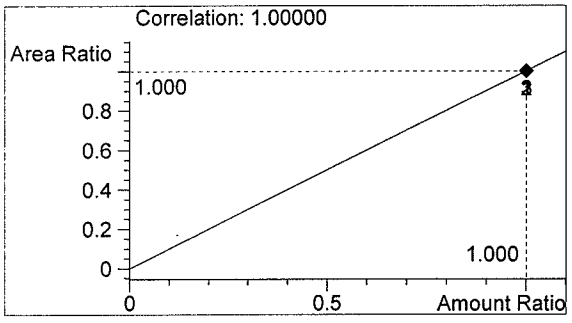


#	Compound	Area	RT
1	Ethanol	1200	1.009
2	n-Propanol	1580	1.659

Totals:



Ethanol 0.183 g/100ml



n-Propanol 1.000 g/100ml

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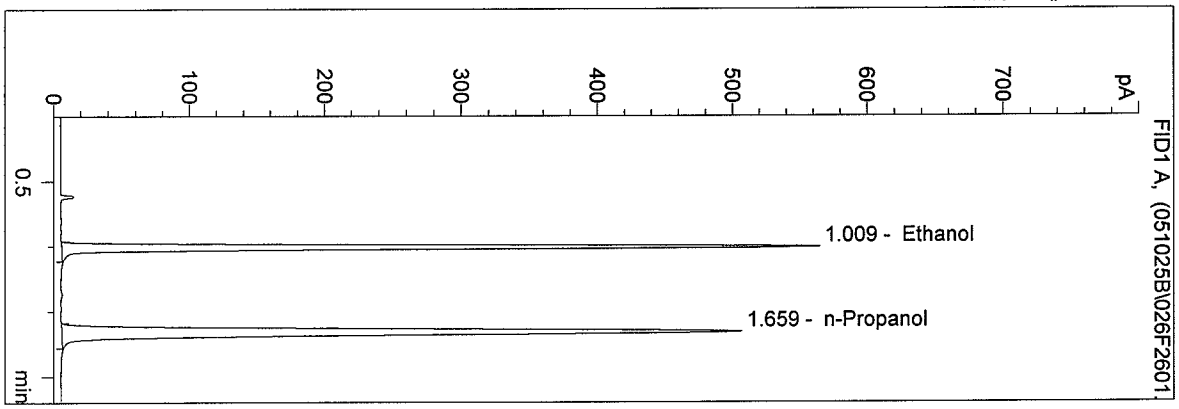
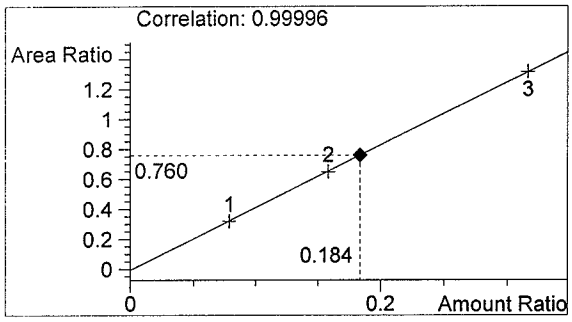
Instrument 4
DB-ALC1

05040
bcapron

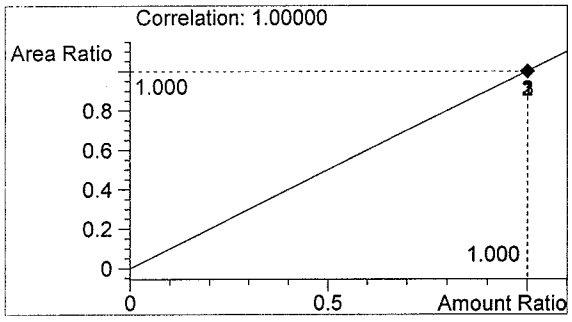
vial # 26



#	Compound	Area	RT
1	Ethanol	1221	1.009
2	n-Propanol	1606	1.659
Totals:			



Ethanol 0.184 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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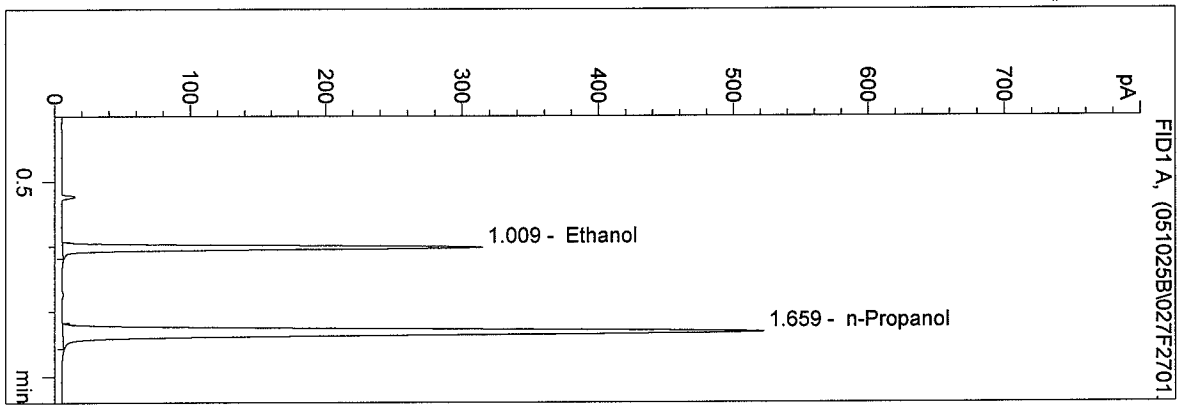
Instrument 4
DB-ALC1

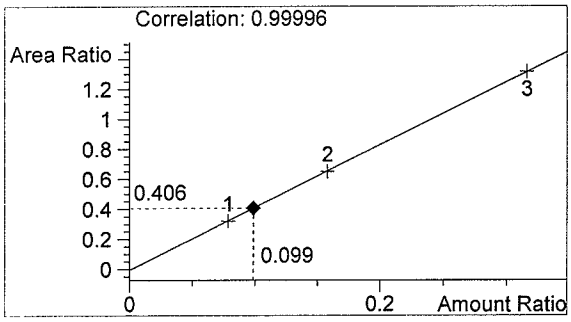
0.10 control bc
bcapron

vial # 27

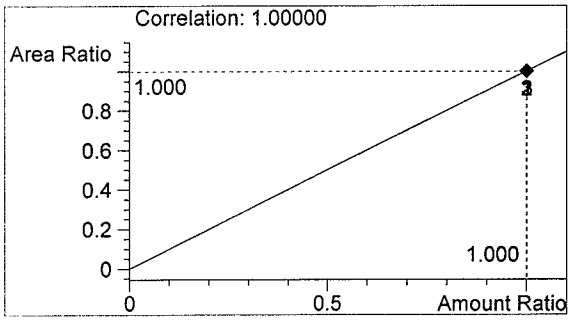


#	Compound	Area	RT
1	Ethanol	673	1.009
2	n-Propanol	1657	1.659

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 4
DB-ALC1

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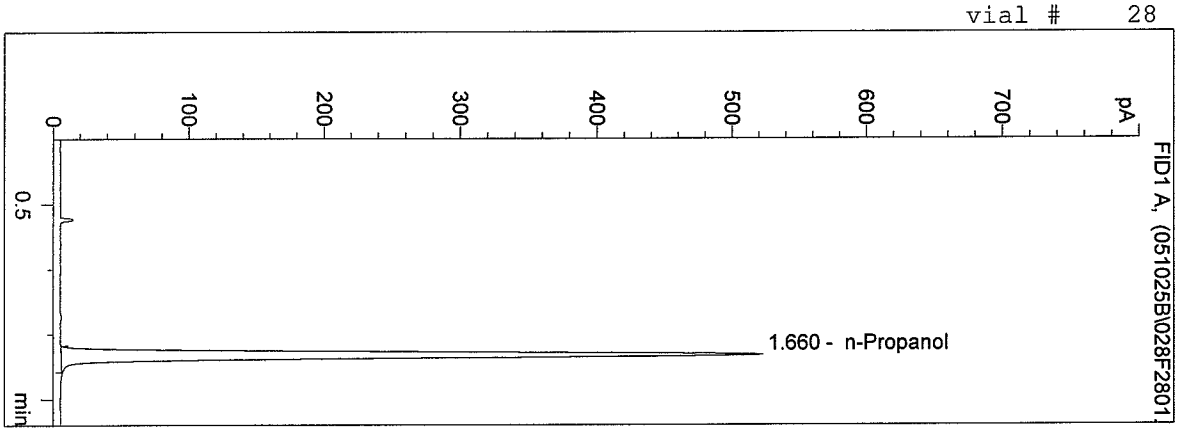
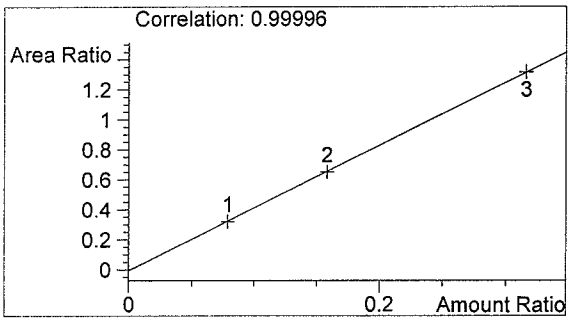
bcapron

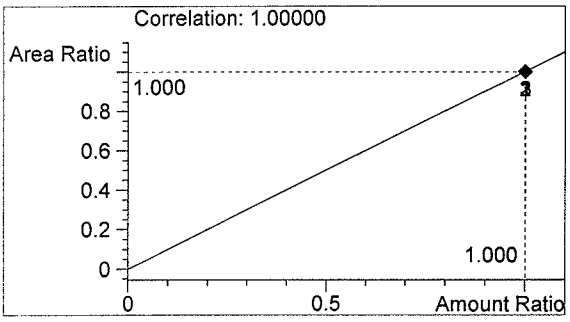
vial # 28



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1663	1.660
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml