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. Denton 11/8/2007

Tpr. Ken Denton Date

R G Gullberg 11-8-2007

Rod G. Gullberg Date

WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/ s: KEN DENTON / ROD GUMBERG Date: 11-6-07

Location: TOX LAB SEATTLE Solution Batch Number: 03026

	YES	NO
Preparation date precedes all analysis dates:	☒	☐
Data entry corresponds to all chromatograms:	☒	☐
All signatures present on Analysis sheet:	☒	☐
Avg. solution concentration correct?:	☒	☐
Standard deviation correct:	☐	☒
Range correct:	☒	☐
Equivalent vapor concentration correct?	☒	☐
External Control information correct: (lot # and future date)	☒	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐
Corrections Necessary/ Comments	☒	☐

Reviewer Signature: R J Gumberg Date: 11-6-07

Reviewer Signature: K.L. D Date: 11/6/2007

Rev. Date: 10/31/2007

WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.08** g/210L **Simulator External Standard solution**

Batch number **03026** Date: 7/17/2003

Preparation: 69.1 mL of absolute ethyl alcohol diluted to 54 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	0.101	0.101	0.102	0.102	0.102	0.102	0.100	0.101	0.102	0.101		
2	0.101	0.101	0.102	0.103	0.102	0.103	0.101	0.102	0.103	0.102		
3	0.102	0.101	0.102	0.103	0.101	0.103	0.101	0.102	0.103	0.102		
4	0.100	0.101	0.102	0.103	0.102	0.103	0.102	0.102	0.103	0.102		
5	0.101	0.101	0.102	0.103	0.102	0.104	0.100	0.102	0.103	0.103		
Ctrl	0.099	0.098	0.100	0.101	0.100	0.101	0.099	0.100	0.100	0.099		

RJB 11-6-07

External Control:

Lot #: A022167 Exp date: 01/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1019 g/100 mL

SD: ~~0.00090~~ 0.00091

Range (3xSD): 0.0992 to 0.1046

Precision CV (%): ~~0.8876~~ 0.8922 %

Equivalent vapor concent.: 0.0828 g/210L

Analyst	Name	Signature	Date
1	Melissa Pemberton	Melissa Pemberton	07/17/03
2	Mary E Wilson	Mary E Wilson	07/18/03
3	Asa Louis	C Louis	07/21/03
4	Edward Formoso	E J Formoso	07/22/03
5	Estuardo J. Miranda	E J Miranda	07/23/03
6	Ann Marie Gordon	Ann Marie Gordon	07/24/03
7	Jayne Thatcher	Jayne E. Thatcher	~~07/28/03~~ 7/25/03
8	Naziha Nuwayhid, PhD	Naziha Nuwayhid	07/28/03
9	William P Marshall	William P Marshall	07/29/03
10	Dorota B. Schranz	D. Schranz	08/01/03
11			
12			

RJB 11-6-07

Prepared by: Melissa Pemberton according to the approved protocol

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Melissa L. Pemberton, do certify under penalty of perjury that:

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

I possess the following qualifications: Bachelors degree in Microbiology and ten years of experience as a forensic toxicologist.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Melissa L. Pemberton
Melissa L. Pemberton
Forensic Toxicologist

MP/bf
MPSIMSOL

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.

Melissa L. Pemberton
11/7/05

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Asa J. Louis, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biochemistry and seven years in Toxicology.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Asa J. Louis
Forensic Toxicologist

AJL/bf
AJLSIMSOL

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.

2007 Nov 07

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master 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 five years experience in Forensic Toxicology.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/bf
EMSIMSOL

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.

11-7-2007

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry with two years of experience in toxicology, including one year in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/bf
MEWSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

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

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/bf
EFSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Jayne E. Thatcher, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Cell and Molecular Biology and two years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/bf
JTSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Naziha Nuwayhid, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master 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 three years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/bf
NNSIMSOL

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.

11/8/07

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, William P. Marshall, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: BS degree in Chemistry and thirty-one years of analytical laboratory experience including fifteen years of toxicology experience.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/bf
WMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Dorota Schranz, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the simulator solutions for the BAC Verifier Data Master breath test instrument.

I possess the following qualifications: Ph.D. degree in Medical Sciences, M.S. degree in Medical Technology, and nine years analytical laboratory experience.

The simulator solution, Lot Number 03026, was prepared in the Washington State Toxicology Laboratory on 7/17/03. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 7/17/04.

Dated: 9/23/03
Seattle, WA

Dorota Schranz, Ph.D.
Forensic Toxicology Technical Lead

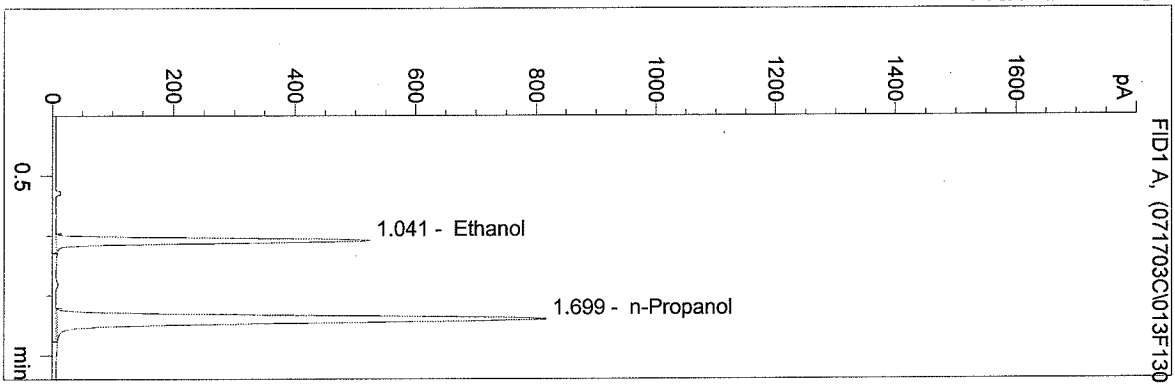
DS/bf
DSSIMSOL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
7/17/03 11:27:22 AM
Instrument 1
ALC1

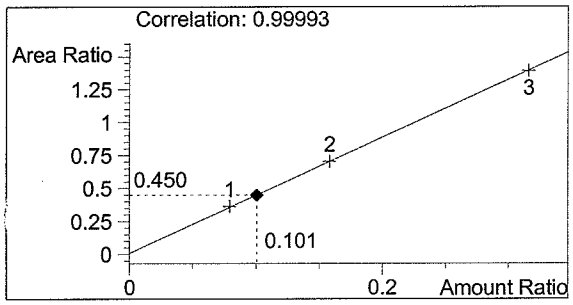
03026 sim soln
m pemberton

vial # 13

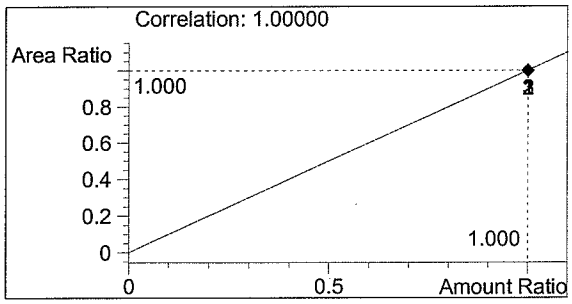


#	Compound	Area	RT
1	Ethanol	1527	1.041
2	n-Propanol	3394	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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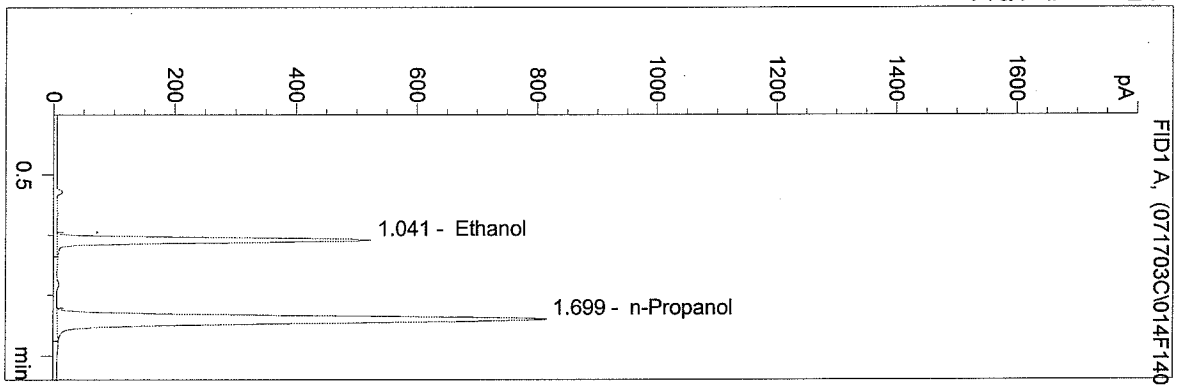
Instrument 1
ALC1

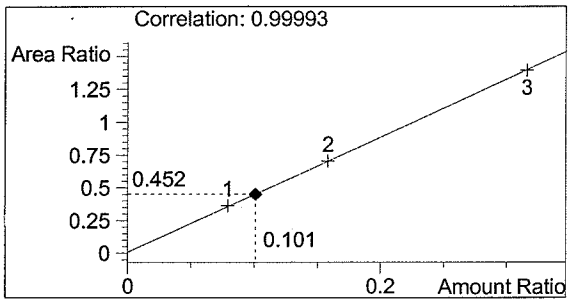
03026 sim soln
m pemberton

vial # 14

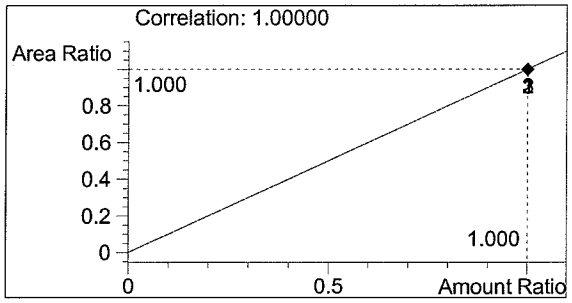


#	Compound	Area	RT
1	Ethanol	1528	1.041
2	n-Propanol	3379	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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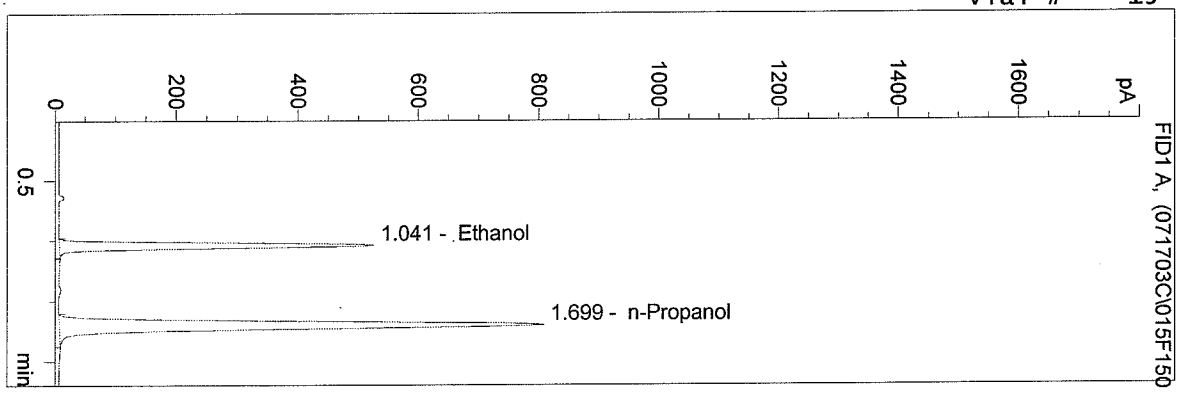
Instrument 1
ALC1

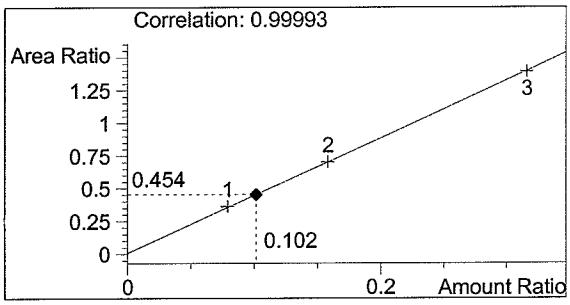
03026 sim soln
m pemberton

vial # 15

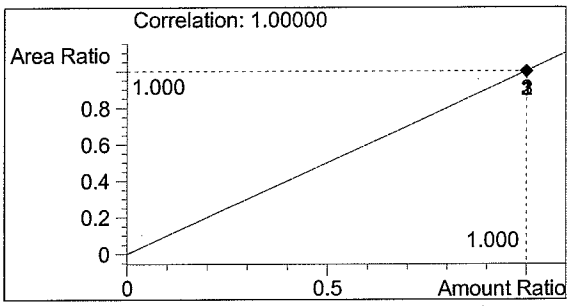


#	Compound	Area	RT
1	Ethanol	1526	1.041
2	n-Propanol	3361	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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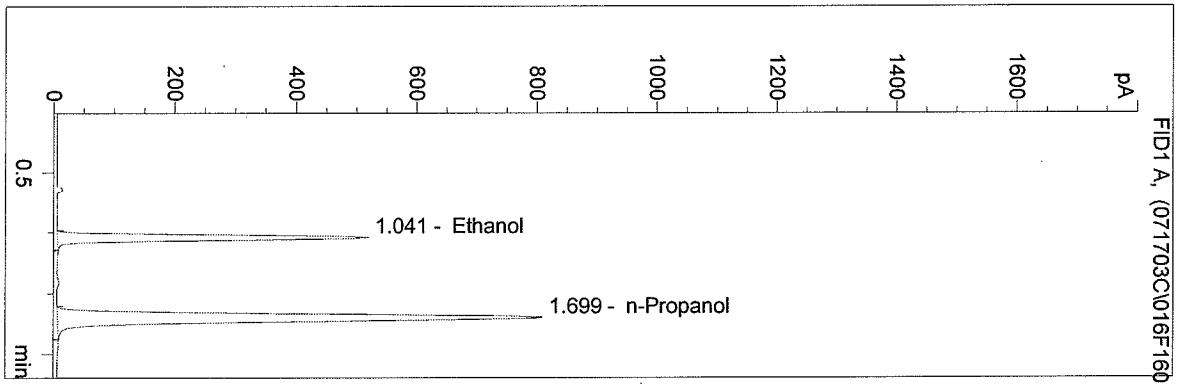
7/17/03 11:36:30 AM
Instrument 1
ALC1

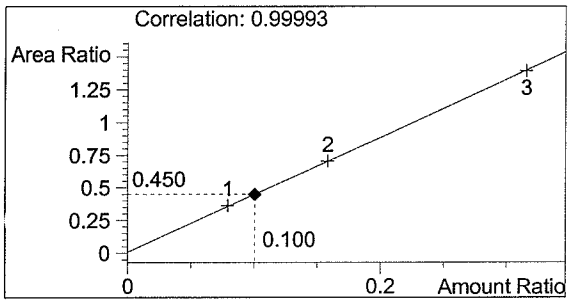
03026 sim soln
m pemberton

vial # 16

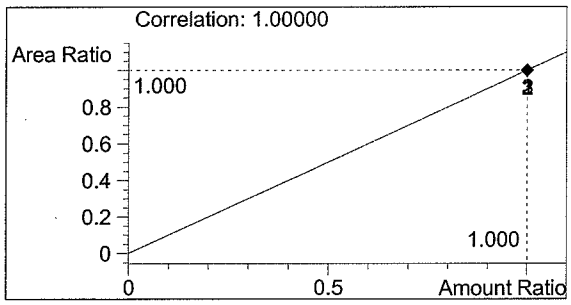


#	Compound	Area	RT
1	Ethanol	1513	1.041
2	n-Propanol	3366	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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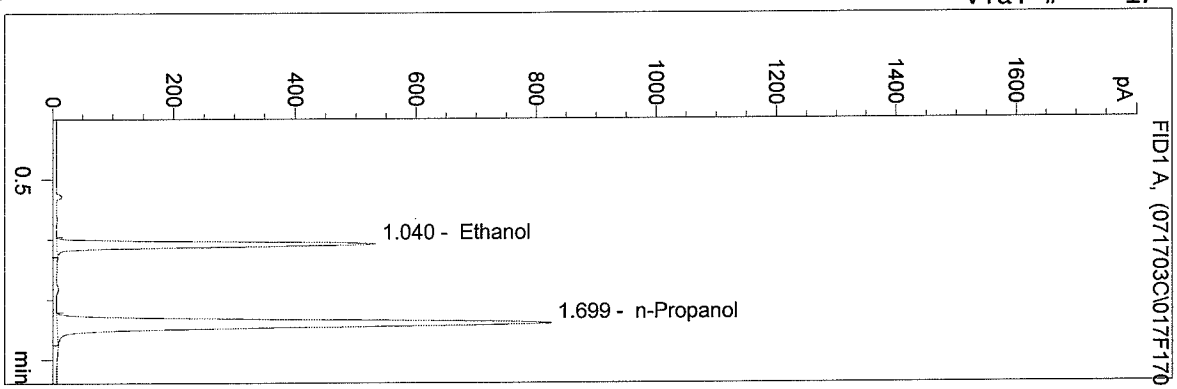
7/17/03 11:39:35 AM
Instrument 1
ALC1

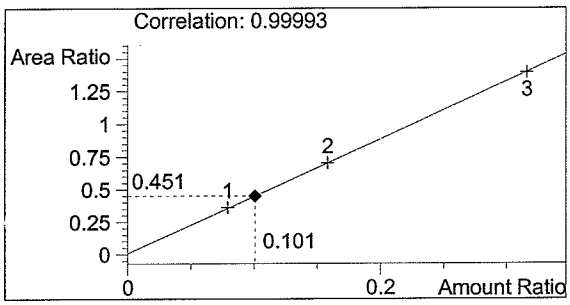
03026 sim soln
m pemberton

vial # 17

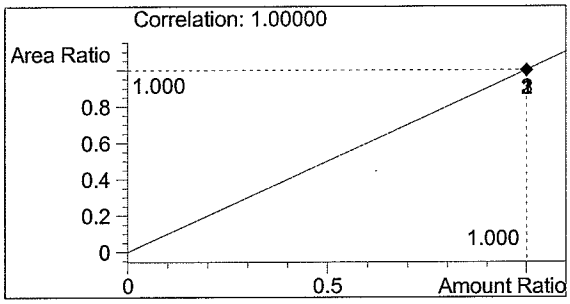


#	Compound	Area	RT
1	Ethanol	1544	1.040
2	n-Propanol	3425	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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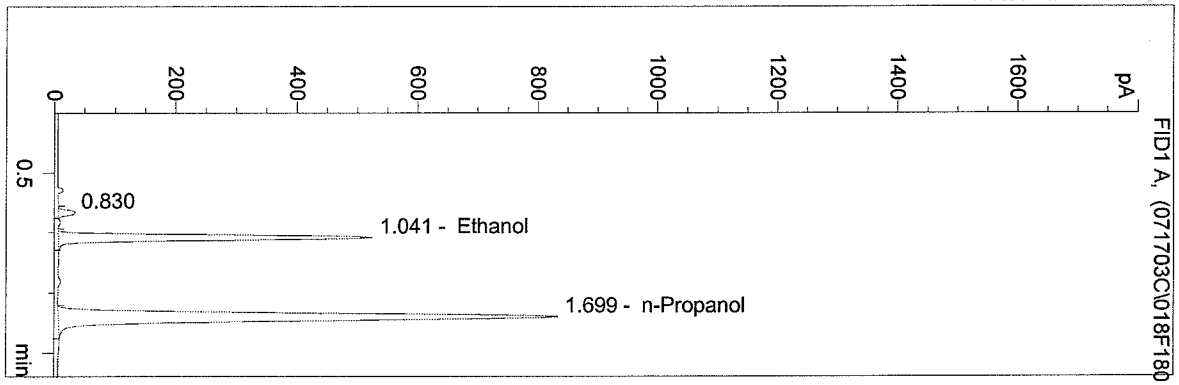
7/17/03 11:42:37 AM
Instrument 1
ALC1

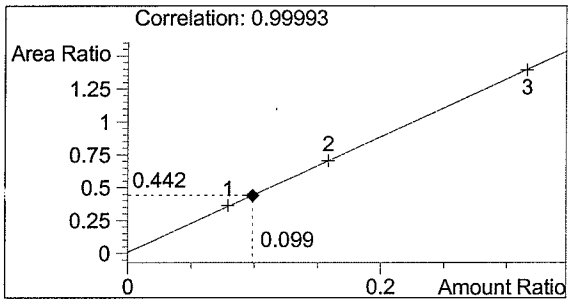
0.10 control
m pemberton

vial # 18

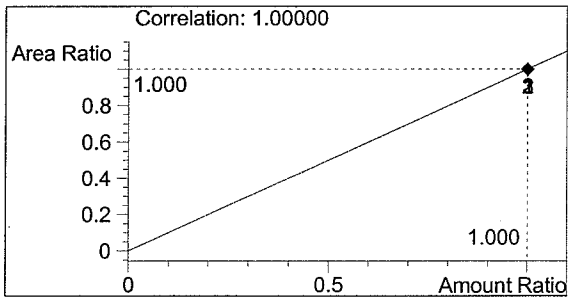


#	Compound	Area	RT
1		83	0.830
2	Ethanol	1531	1.041
3	n-Propanol	3465	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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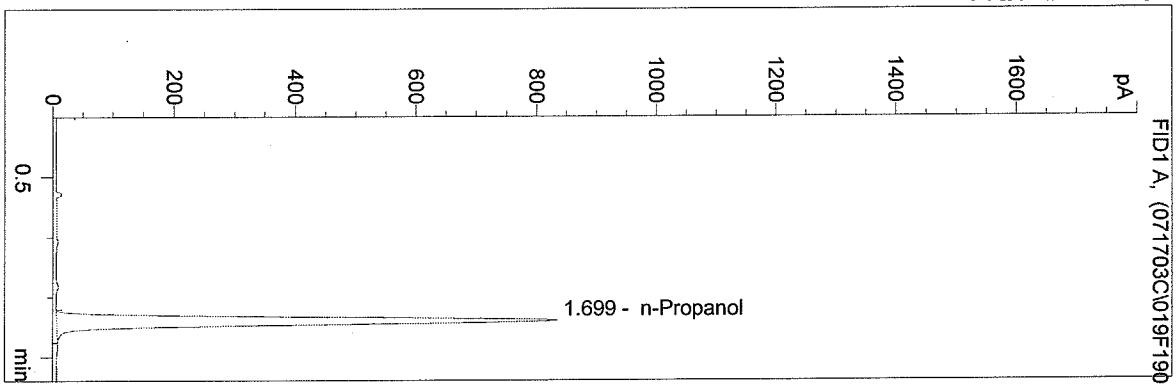
Instrument 1
ALC1

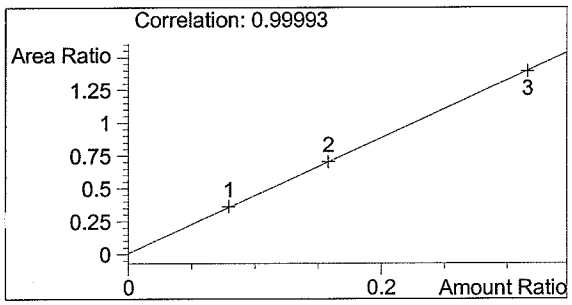
blk
m pemberton

vial # 19

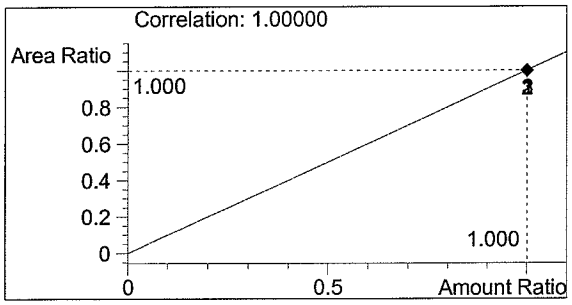


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3465	1.699

Totals:



Ethanol 0.000 g/100ml



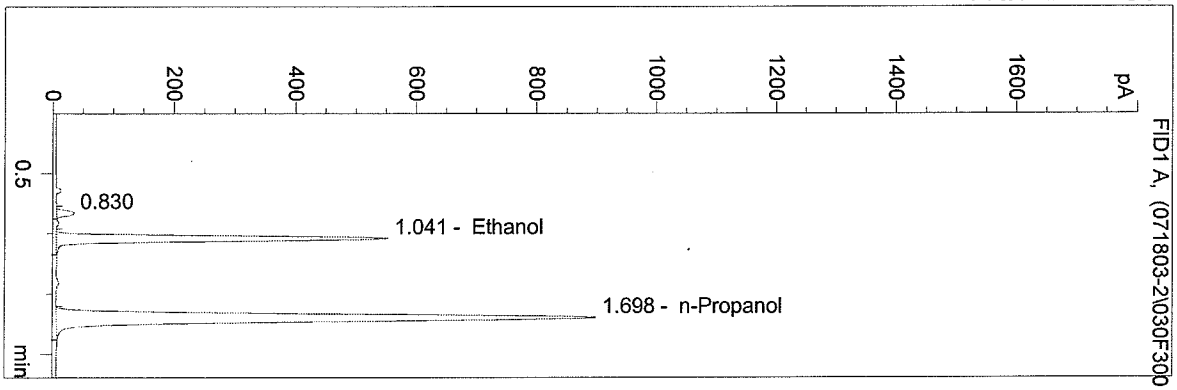
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
7/18/03 5:30:56 PM
Instrument 1
ALC1

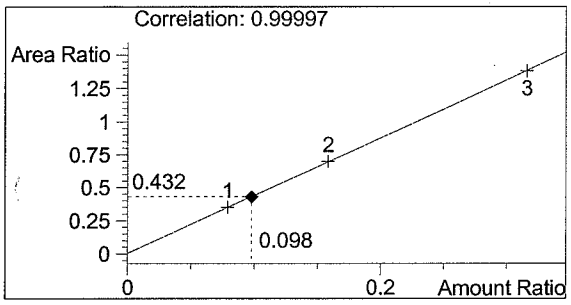
0.10ctl
mary wilson

vial # 30

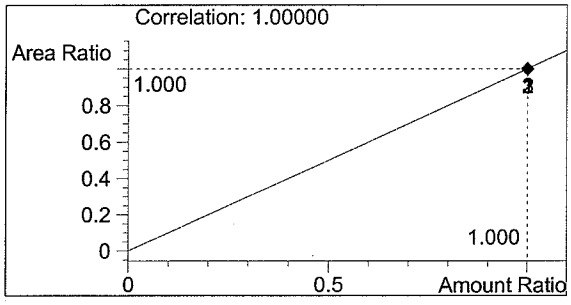


#	Compound	Area	RT
1		85	0.830
2	Ethanol	1615	1.041
3	n-Propanol	3740	1.698

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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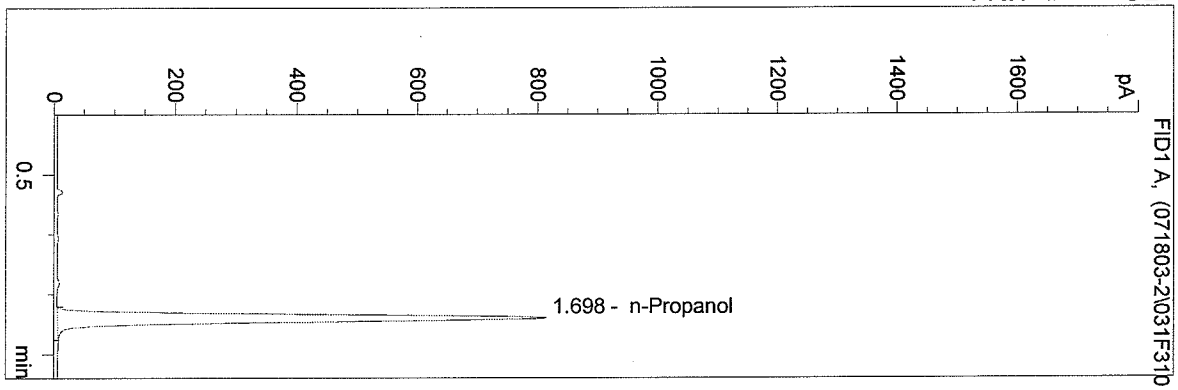
Instrument 1
ALC1

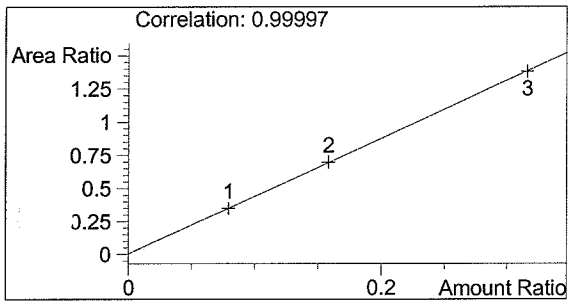
blank
mary wilson

vial # 31

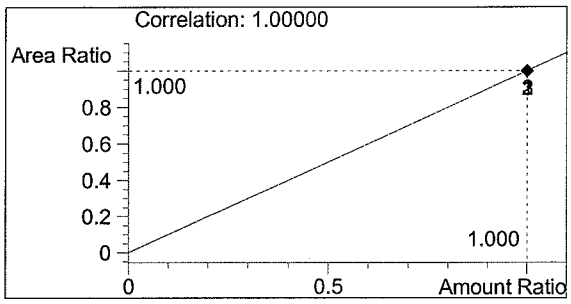


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3386	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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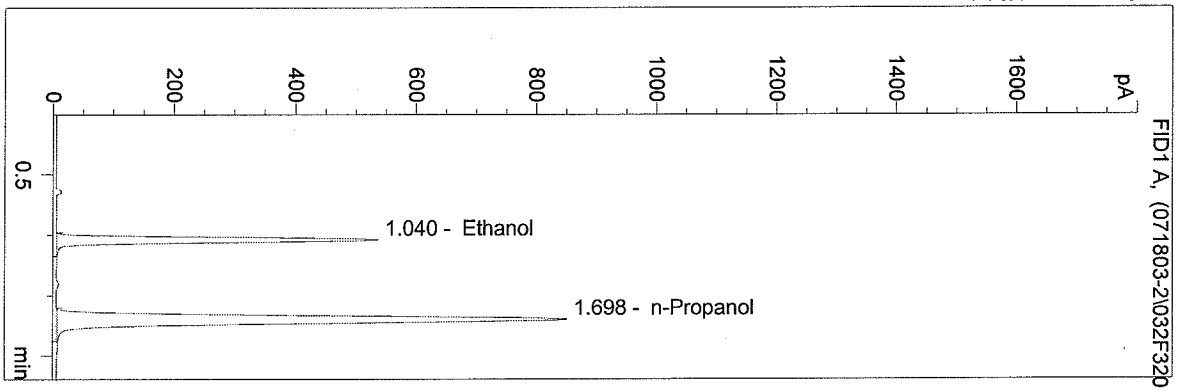
Instrument 1
ALC1

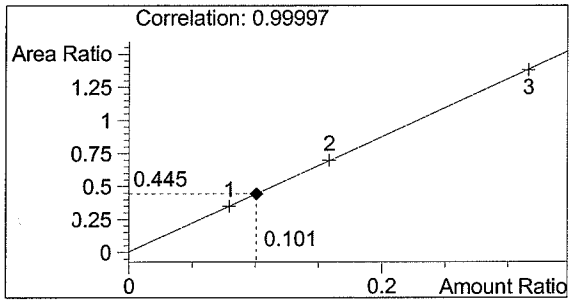
03026ss
mary wilson

vial # 32

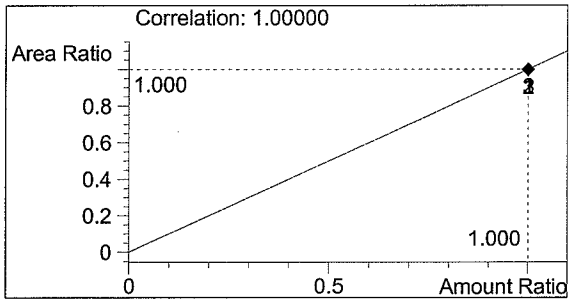


#	Compound	Area	RT
1	Ethanol	1574	1.040
2	n-Propanol	3538	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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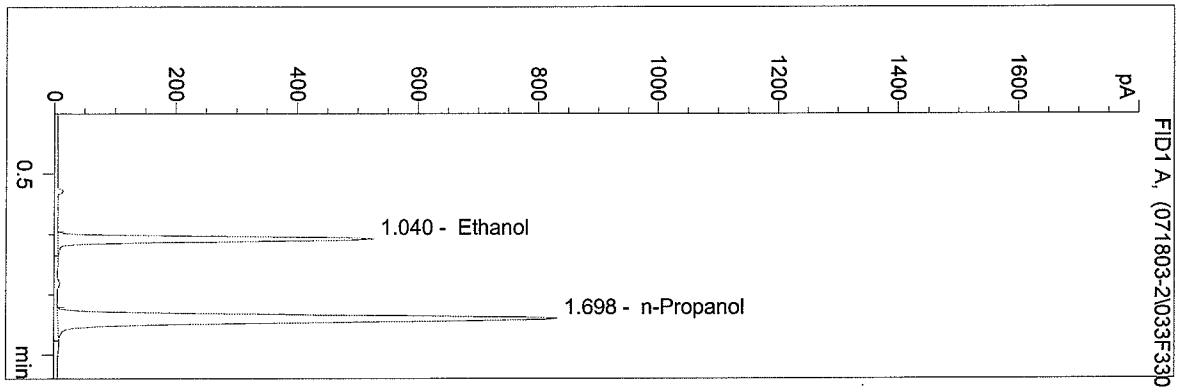
Instrument 1
ALC1

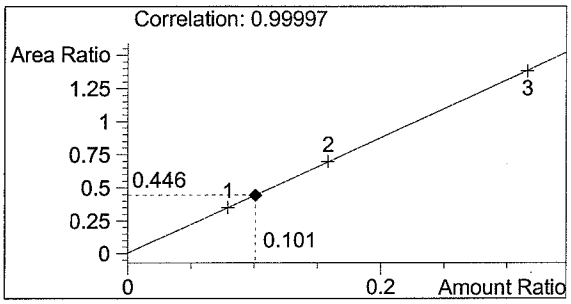
03026ss
mary wilson

vial # 33

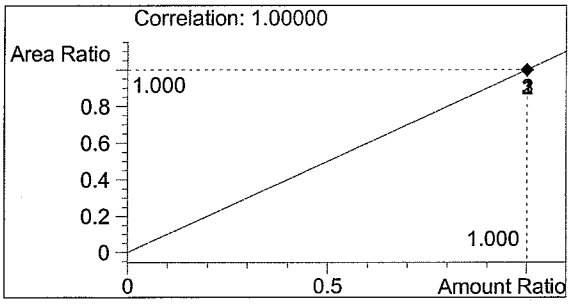


#	Compound	Area	RT
1	Ethanol	1544	1.040
2	n-Propanol	3466	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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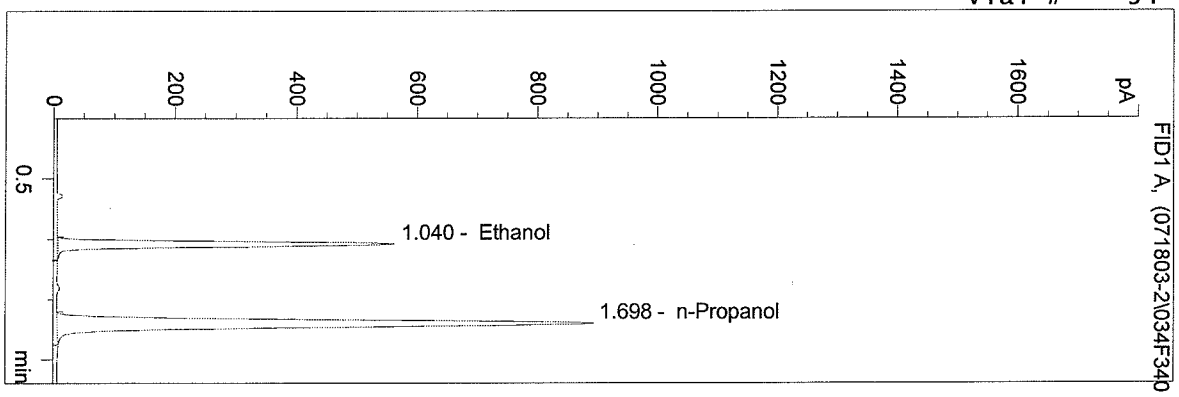
Instrument 1
ALC1

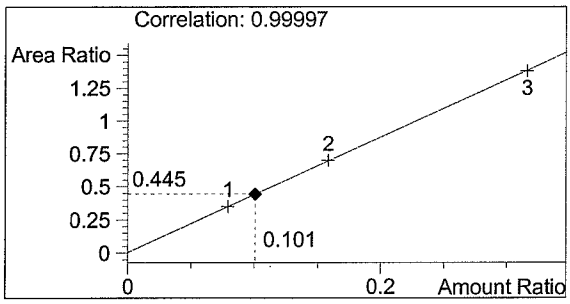
03026ss
mary wilson

vial # 34

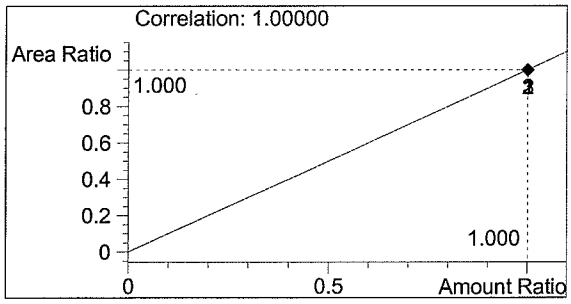


#	Compound	Area	RT
1	Ethanol	1648	1.040
2	n-Propanol	3705	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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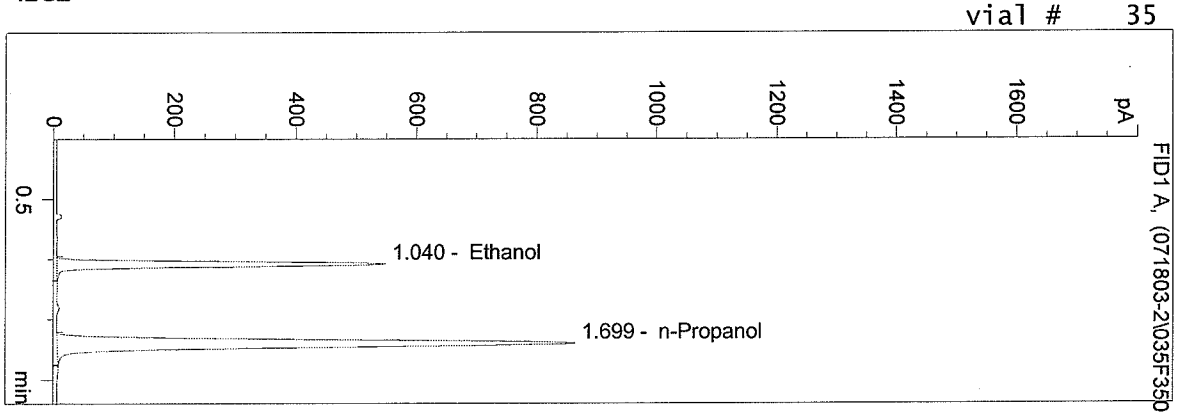
Instrument 1
ALC1

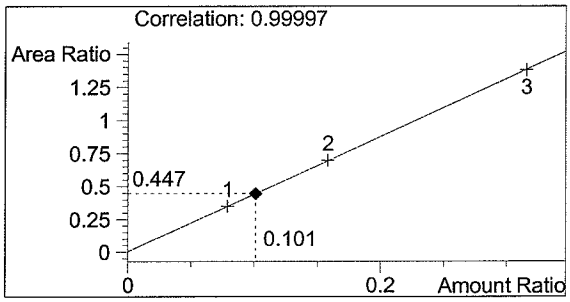
03026ss
mary wilson

vial # 35

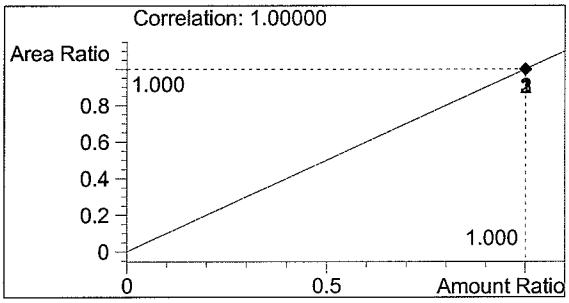


#	Compound	Area	RT
1	Ethanol	1604	1.040
2	n-Propanol	3586	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
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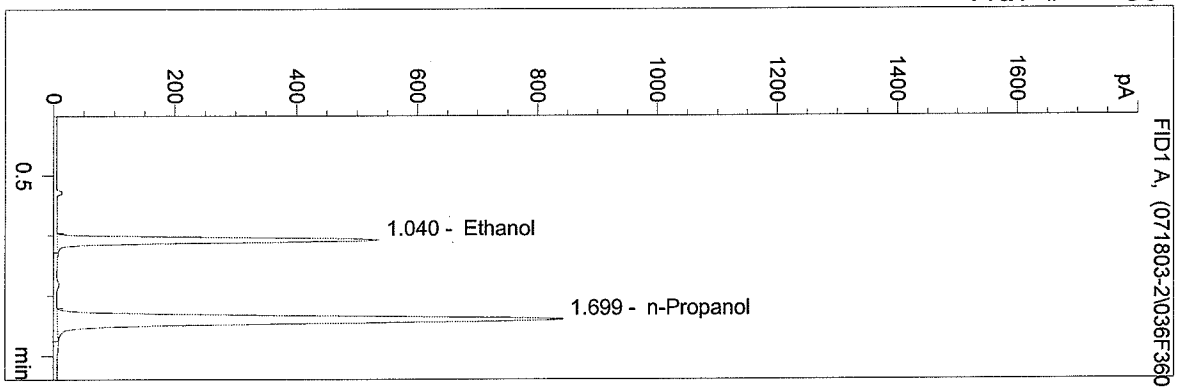
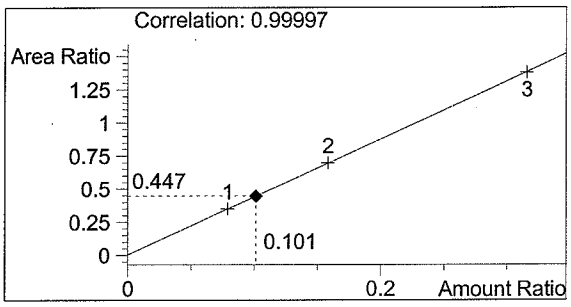
mary wilson

vial # 36

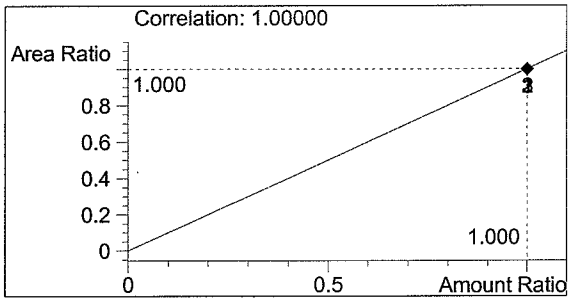


#	Compound	Area	RT
1	Ethanol	1568	1.040
2	n-Propanol	3507	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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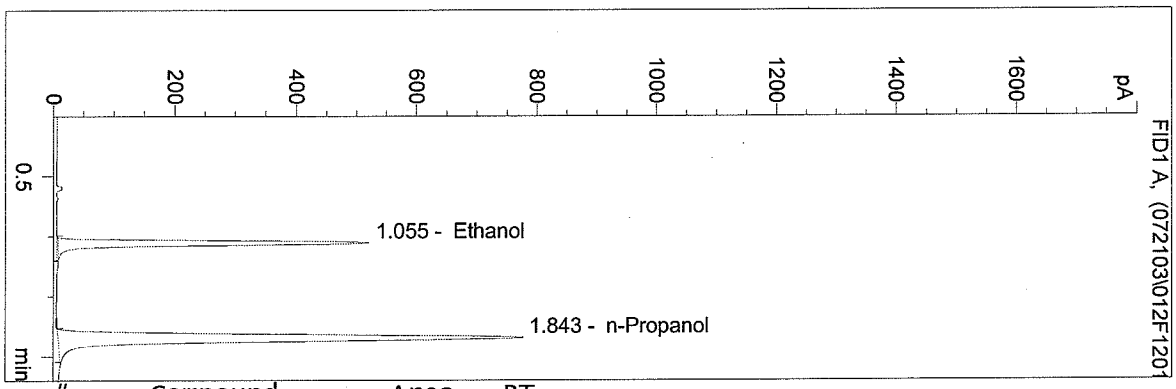
Instrument 2
ALC1

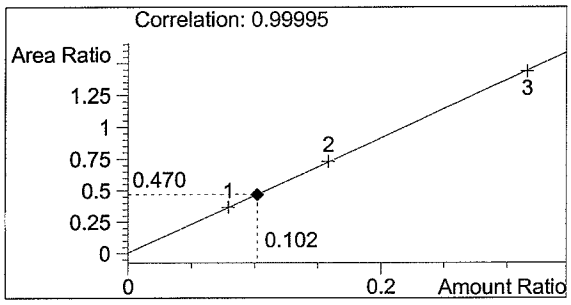
03026
alouis

vial # 12

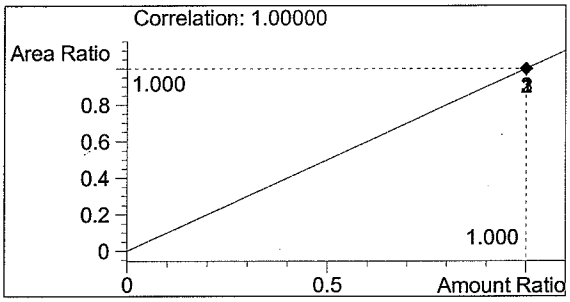


#	Compound	Area	RT
1	Ethanol	1417	1.055
2	n-Propanol	3014	1.843

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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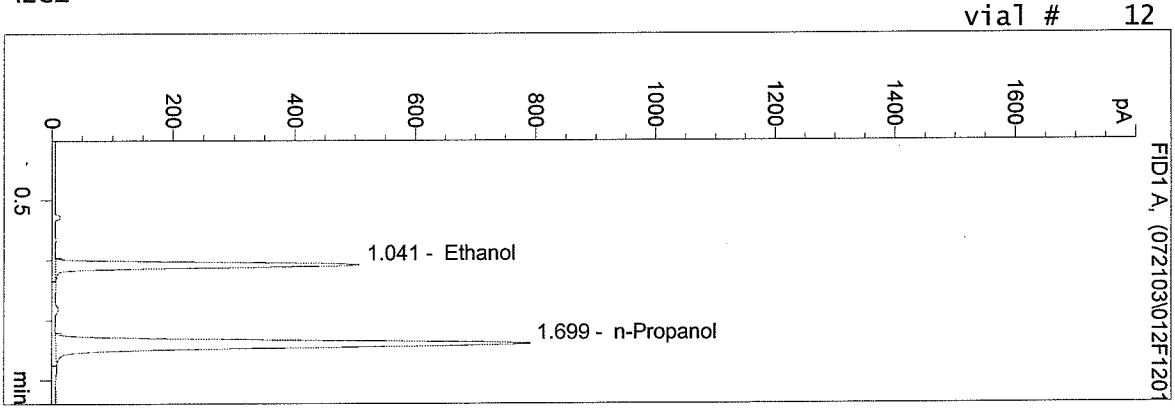
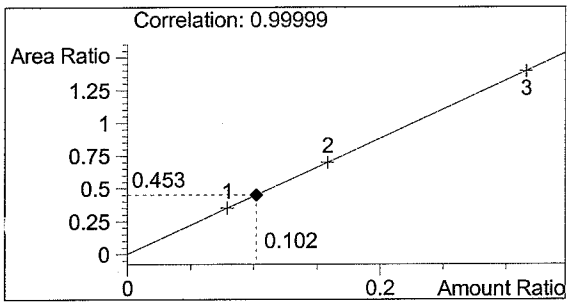
7/21/03 11:51:58 AM
Instrument 1
ALC1

03026
alouis

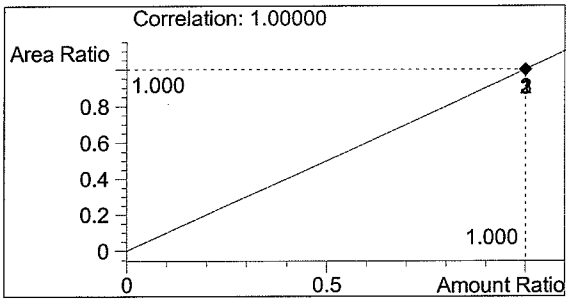
vial # 12



#	Compound	Area	RT
1	Ethanol	1488	1.041
2	n-Propanol	3288	1.699
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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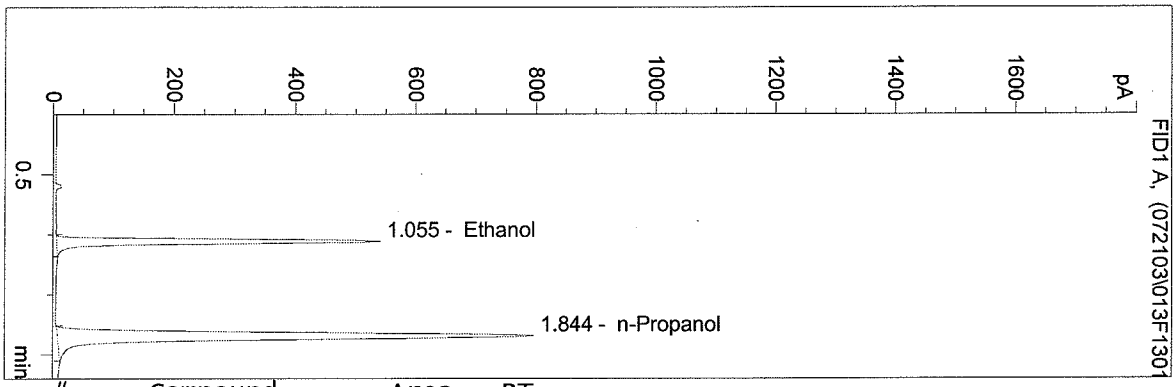
7/21/03 11:52:49 AM
Instrument 2
ALC1

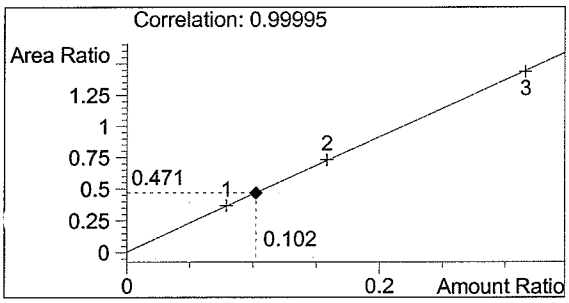
03026
alouis

vial # 13

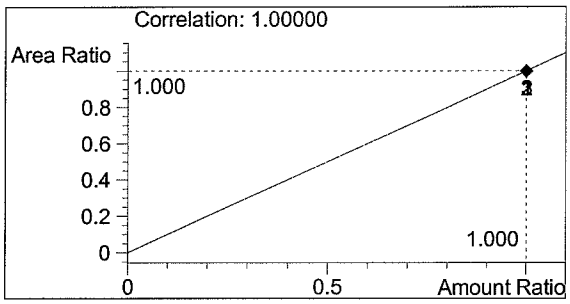


#	Compound	Area	RT
1	Ethanol	1459	1.055
2	n-Propanol	3098	1.844

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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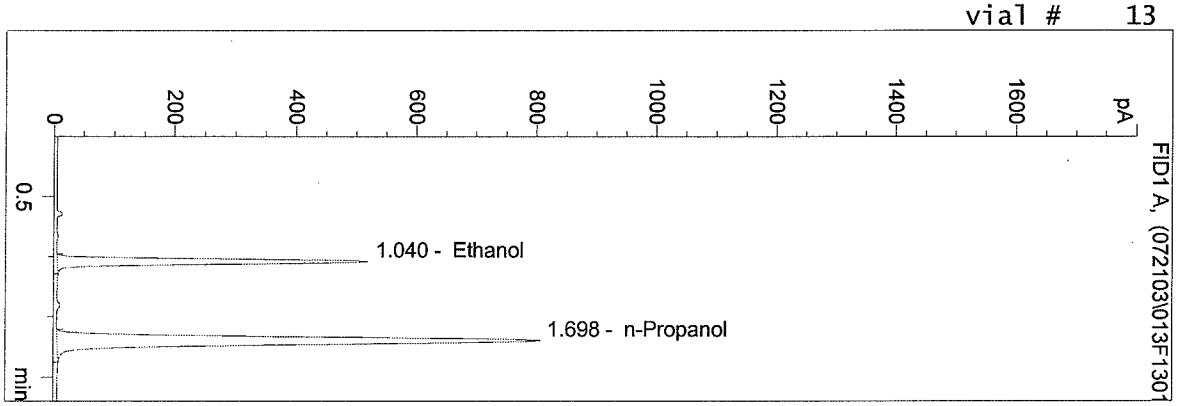
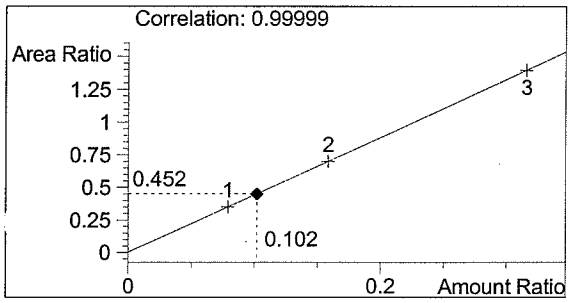
7/21/03 11:55:15 AM 03026
Instrument 1 alouis
ALC1

vial # 13

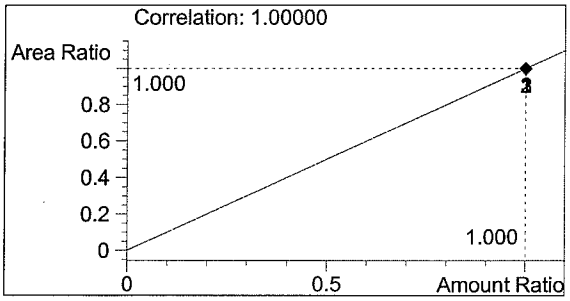


#	Compound	Area	RT
1	Ethanol	1519	1.040
2	n-Propanol	3359	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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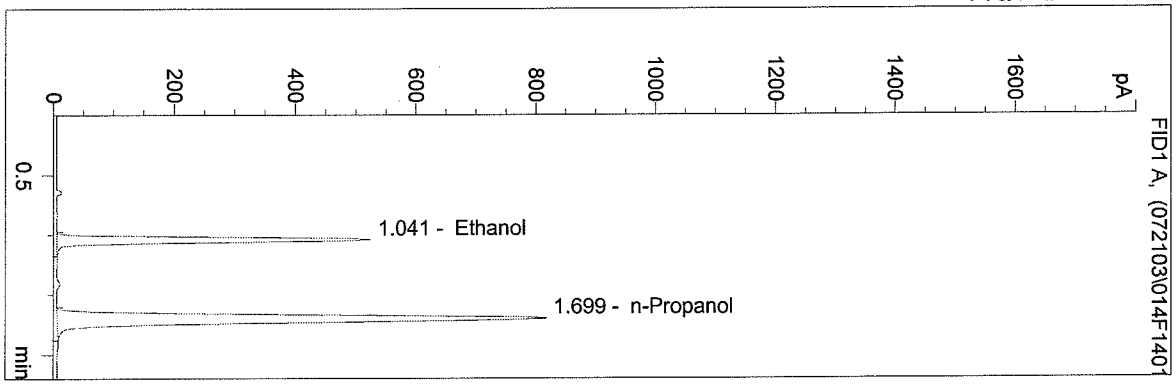
7/21/03 11:58:17 AM
Instrument 1
ALC1

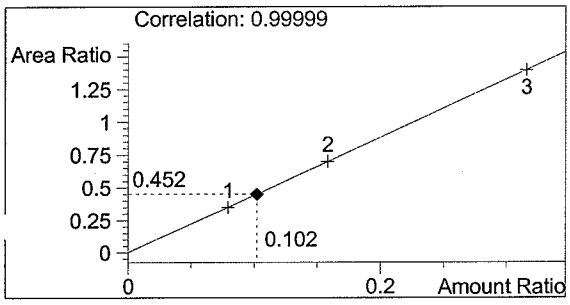
03026
alouis

vial # 14

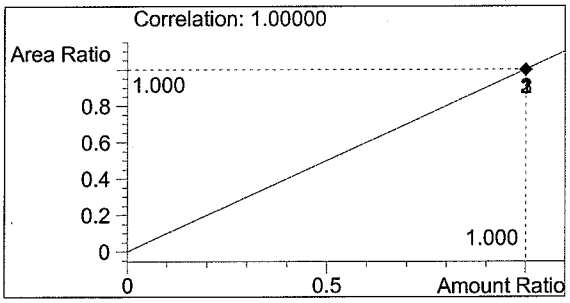


#	Compound	Area	RT
1	Ethanol	1539	1.041
2	n-Propanol	3406	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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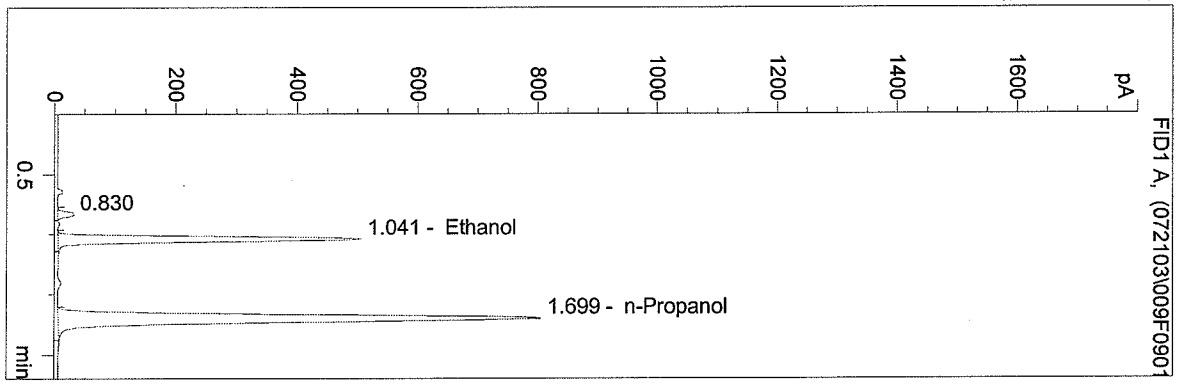
7/21/03 11:42:52 AM
Instrument 1
ALC1

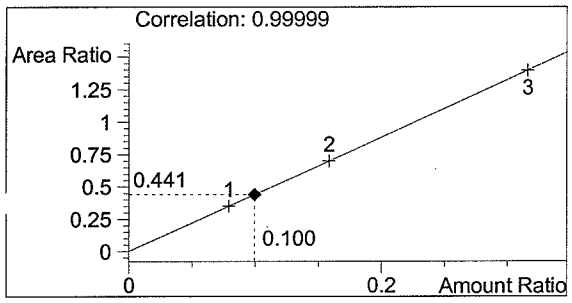
0.100 con
alouis

vial # 9

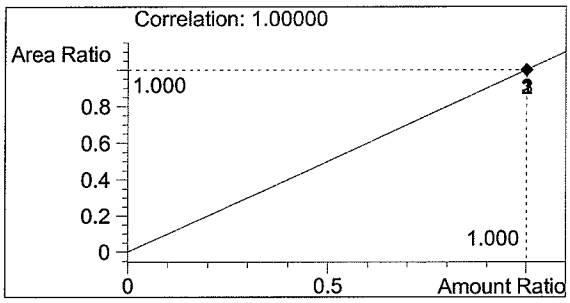


#	Compound	Area	RT
1		80	0.830
2	Ethanol	1480	1.041
3	n-Propanol	3353	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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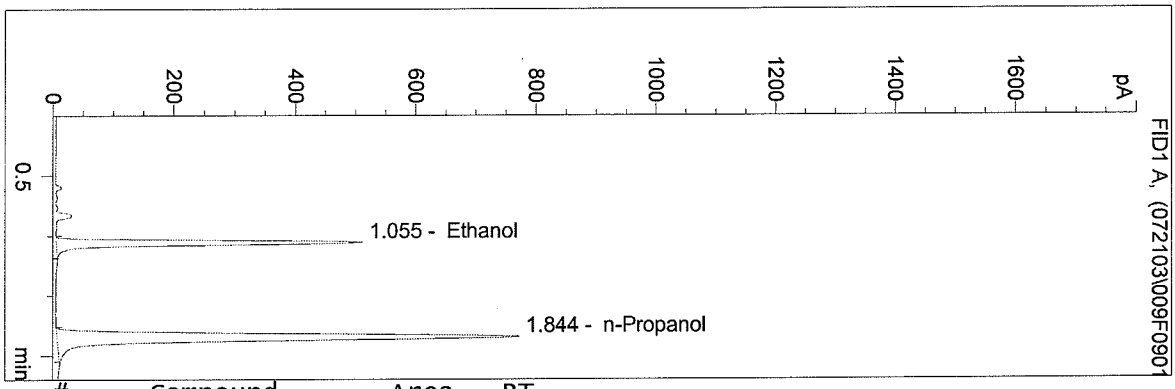
7/21/03 11:41:07 AM
Instrument 2
ALC1

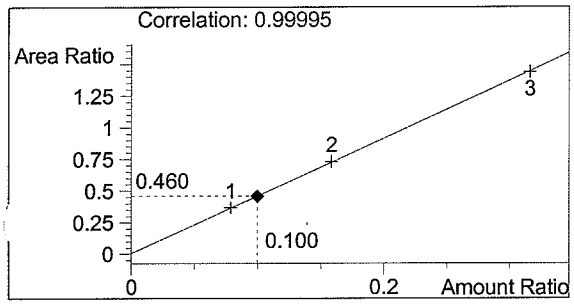
0.100 con
alouis

vial # 9

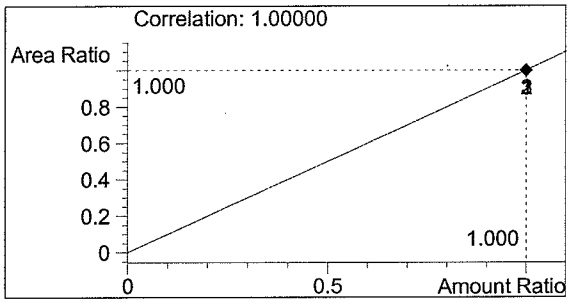


#	Compound	Area	RT
1	Ethanol	1380	1.055
2	n-Propanol	2998	1.844

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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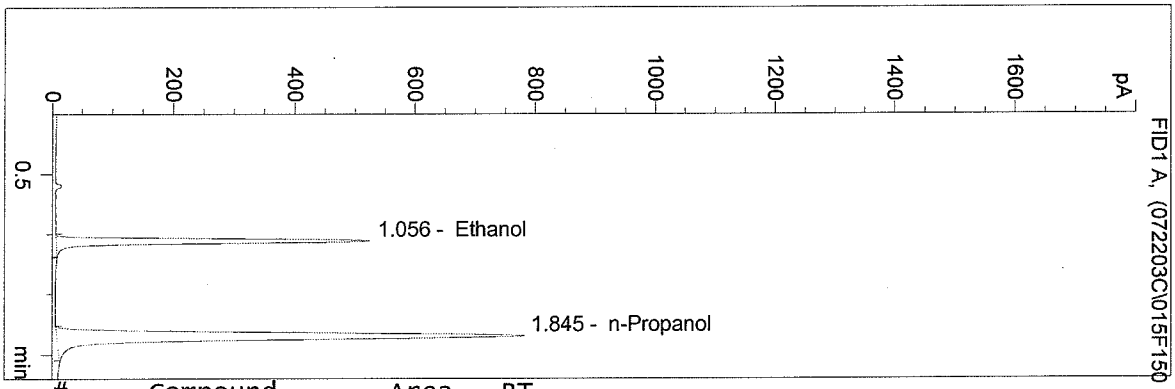
Instrument 2
ALC1

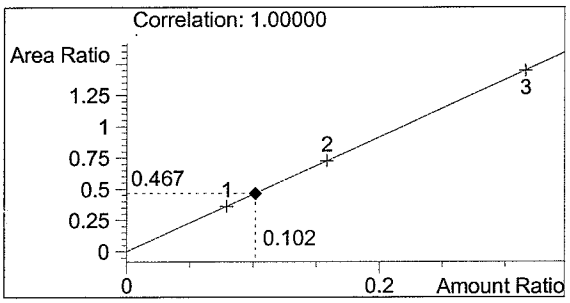
03026
ED FORMOSO

vial # 15

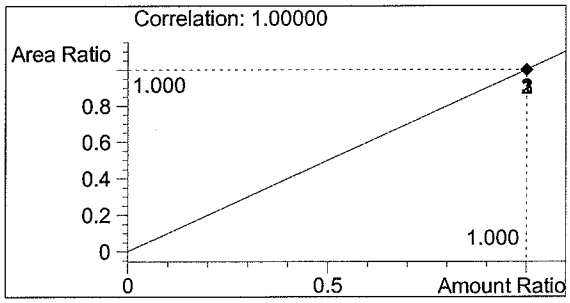


#	Compound	Area	RT
1	Ethanol	1417	1.056
2	n-Propanol	3035	1.845

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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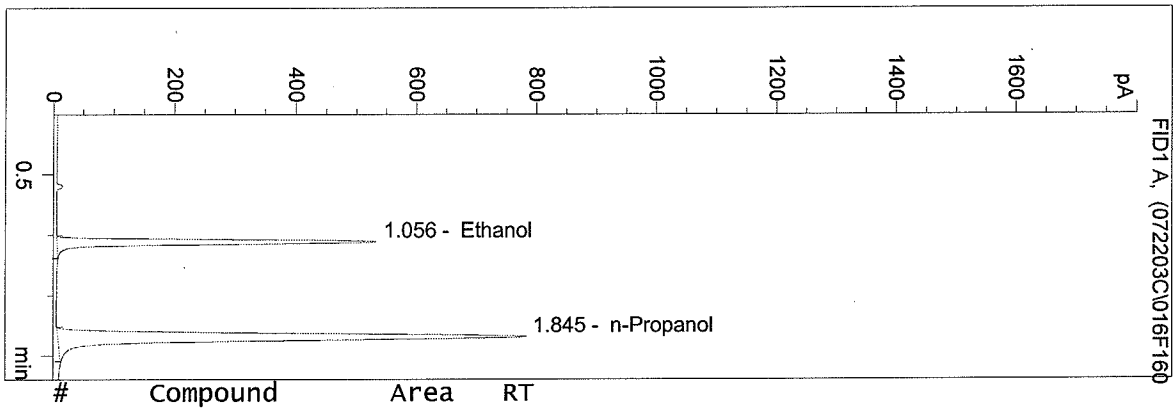
7/22/03 9:38:48 AM
Instrument 2
ALC1

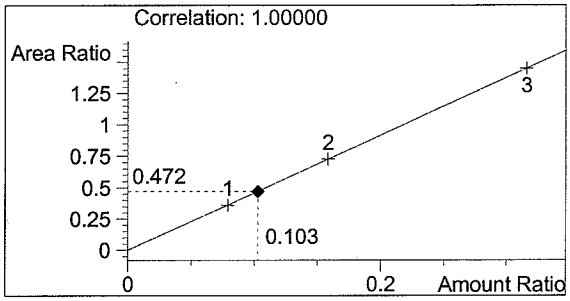
03026
ED FORMOSO

vial # 16

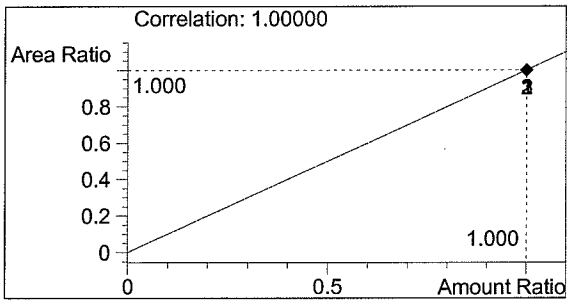


#	Compound	Area	RT
1	Ethanol	1436	1.056
2	n-Propanol	3041	1.845

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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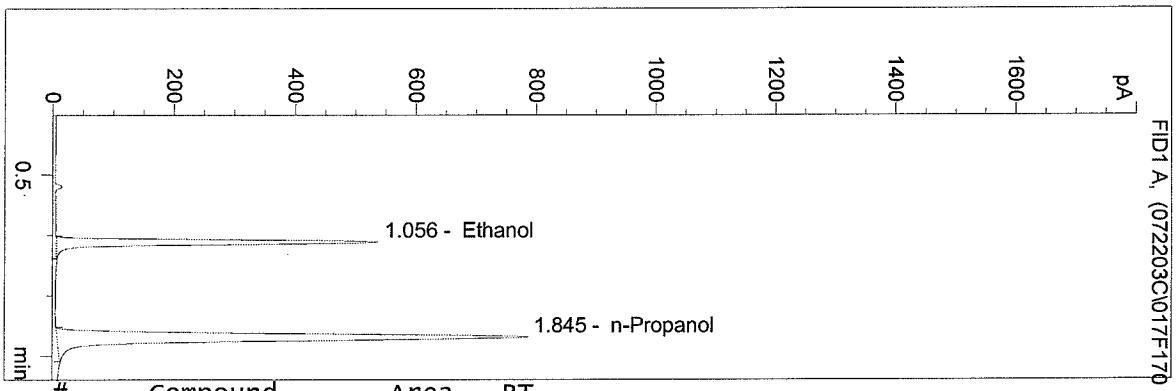
7/22/03 9:42:09 AM
Instrument 2
ALC1

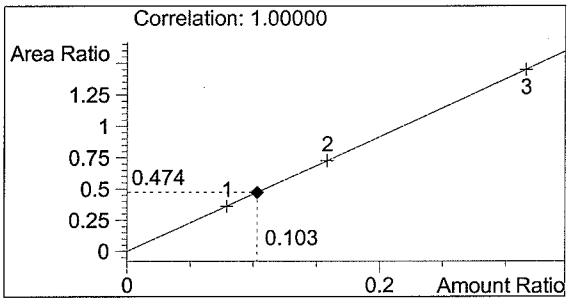
03026
ED FORMOSO

vial # 17

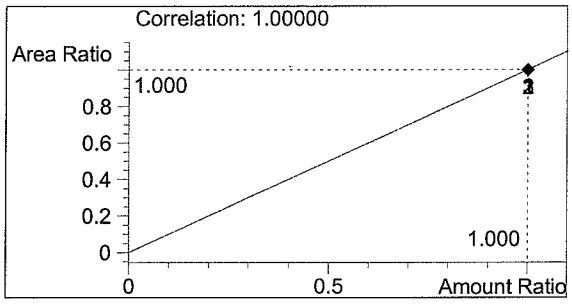


#	Compound	Area	RT
1	Ethanol	1443	1.056
2	n-Propanol	3046	1.845

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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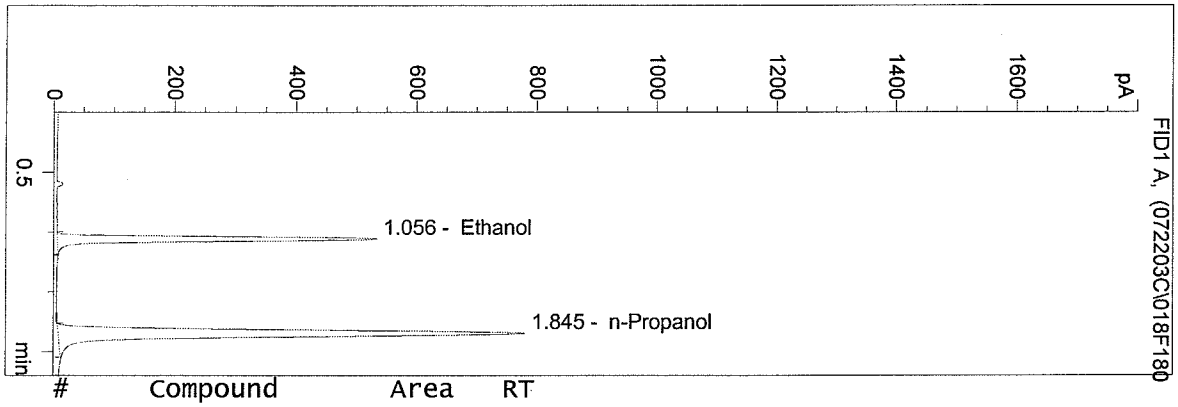
Instrument 2
ALC1

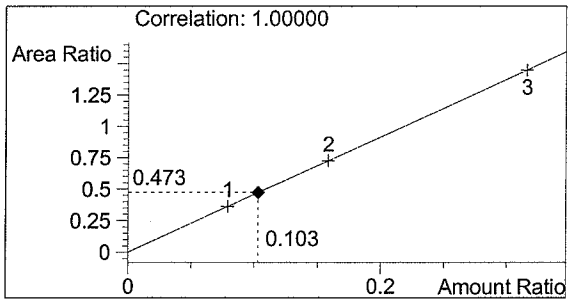
03026
ED FORMOSO

vial # 18

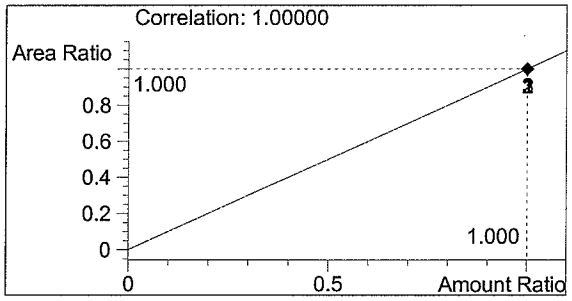


#	Compound	Area	RT
1	Ethanol	1433	1.056
2	n-Propanol	3031	1.845

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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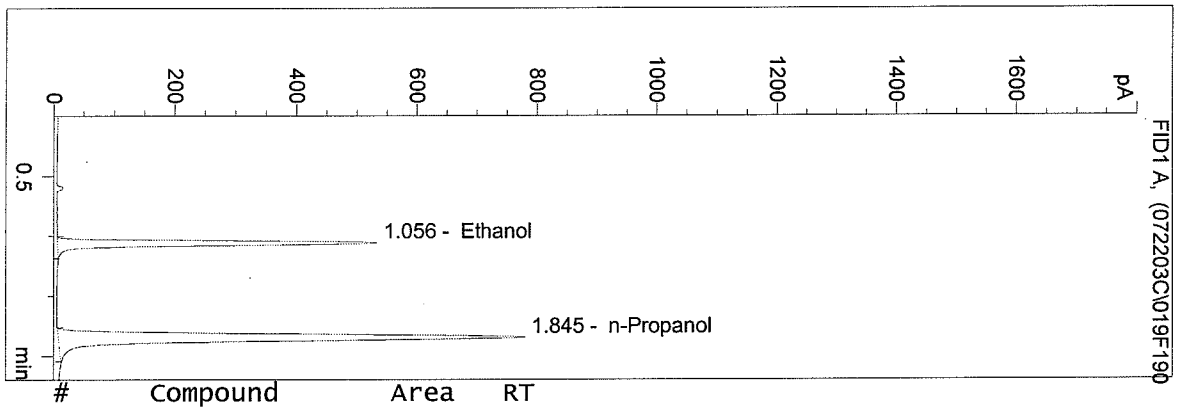
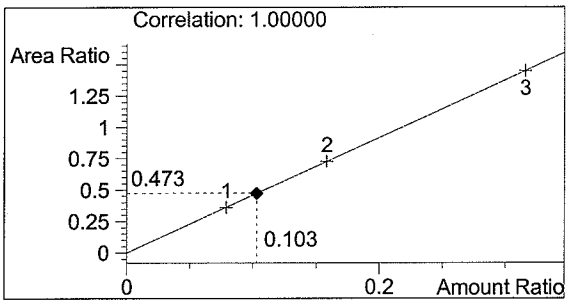
Instrument 2
ALC1

03026
ED FORMOSO

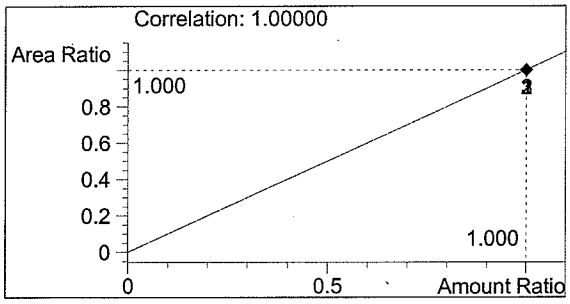
vial # 19



#	Compound	Area	RT
1	Ethanol	1430	1.056
2	n-Propanol	3024	1.845
Totals:			



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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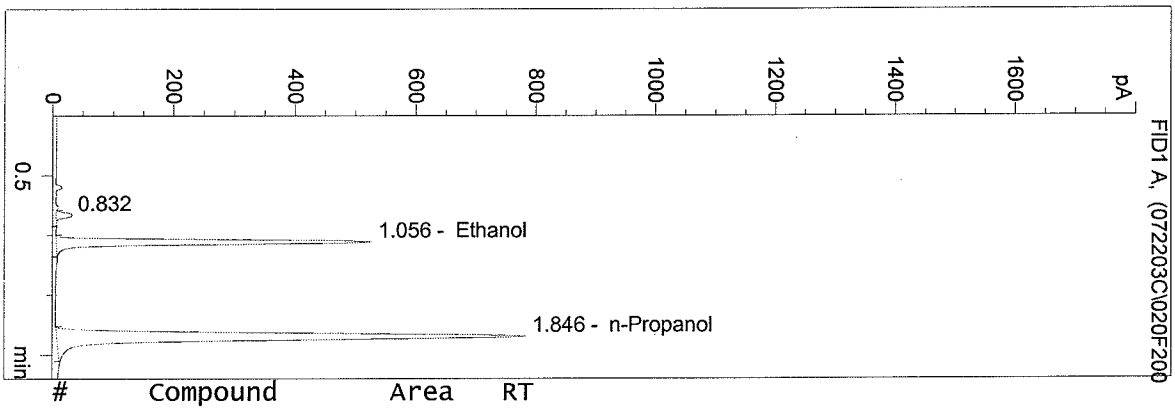
7/22/03 9:50:30 AM
Instrument 2
' ALC1

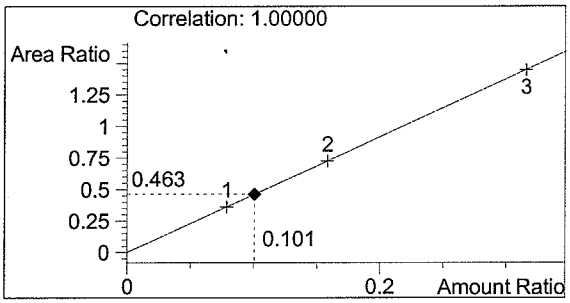
0.10 CONTROL
ED FORMOSO

vial # 20

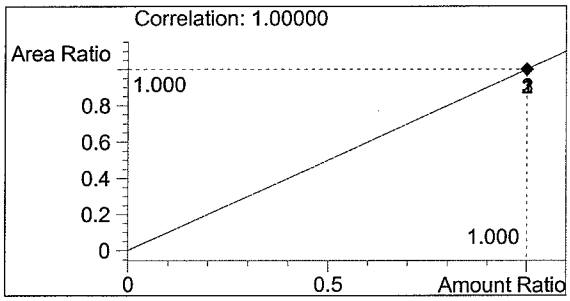


#	Compound	Area	RT
1		76	0.832
2	Ethanol	1412	1.056
3	n-Propanol	3051	1.846

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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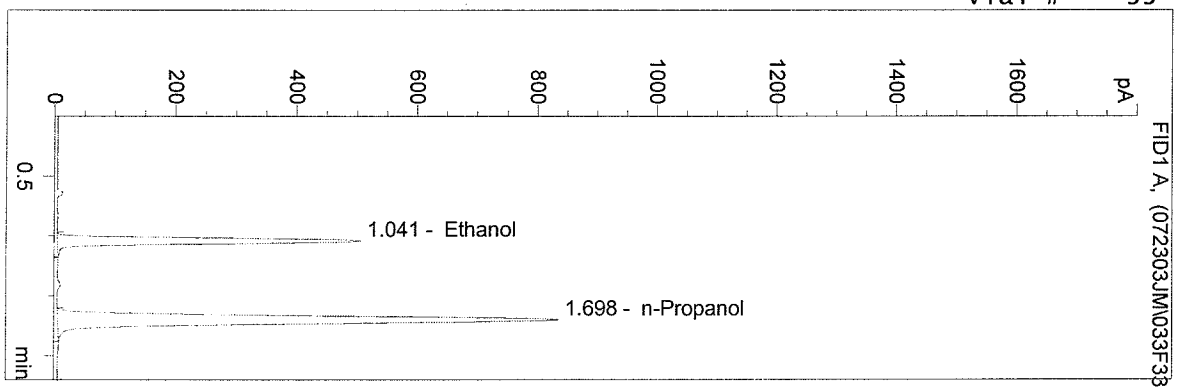
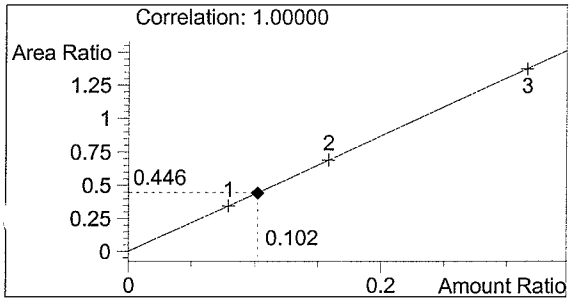
7/23/03 5:33:09 PM
Instrument 1
ALC1

03026 Sim. Sol.
Estuardo J. Miranda

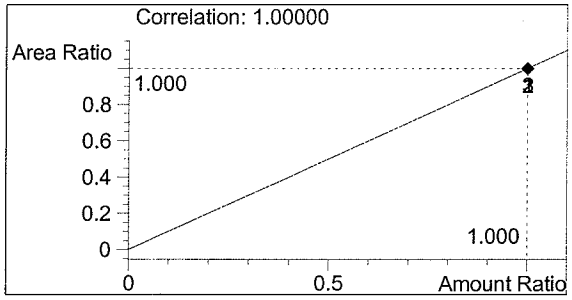
vial # 33



#	Compound	Area	RT
1	Ethanol	1590	1.041
2	n-Propanol	3566	1.698
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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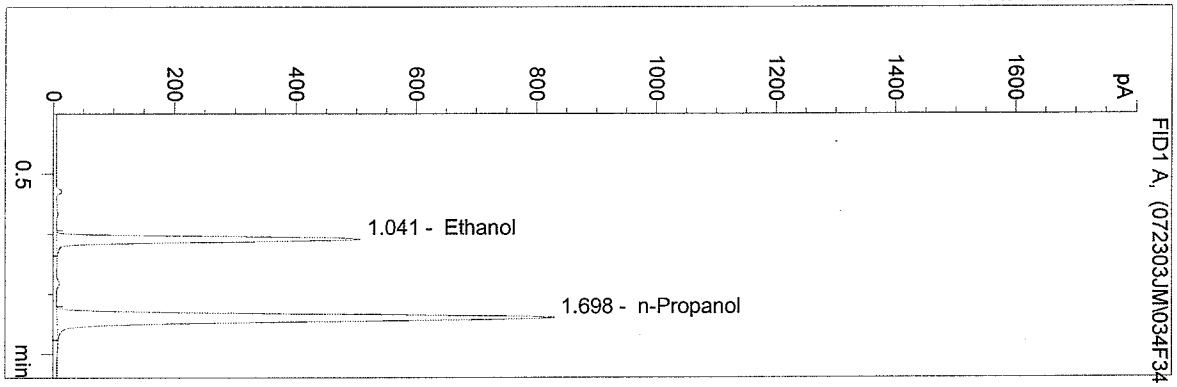
7/23/03 5:36:11 PM
Instrument 1
ALC1

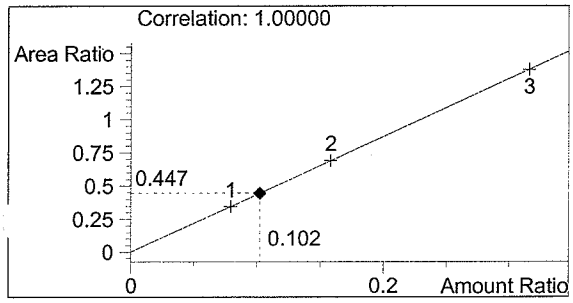
03026 Sim. Sol.
Estuardo J. Miranda

vial # 34

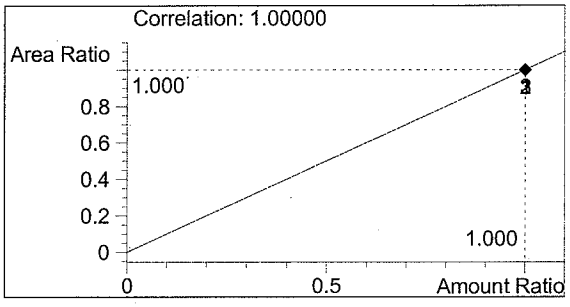


#	Compound	Area	RT
1	Ethanol	1576	1.041
2	n-Propanol	3526	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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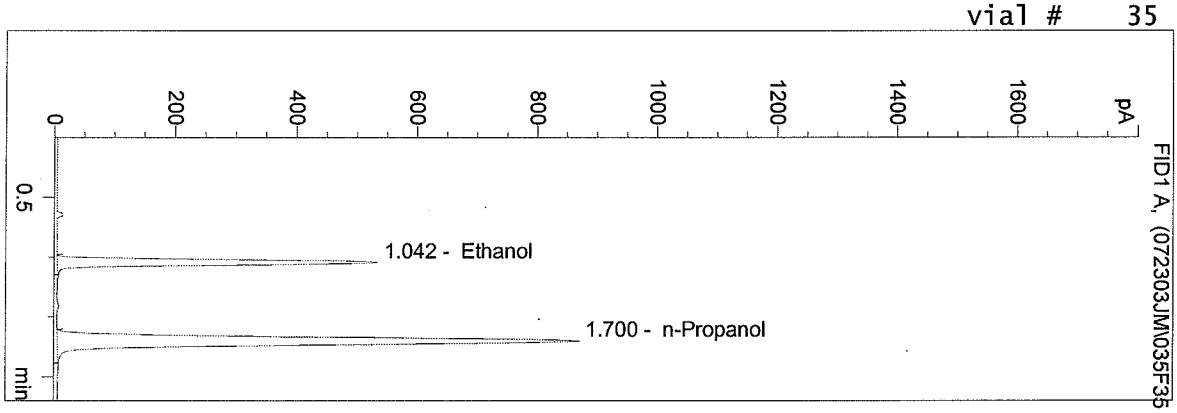
7/24/03 2:31:53 PM
Instrument 1
ALC1

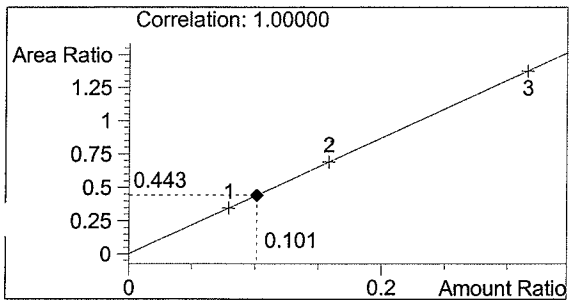
03026 Sim. Sol.
Estuardo J. Miranda

vial # 35

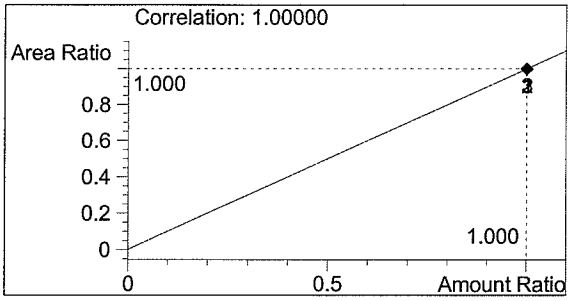


#	Compound	Area	RT
1	Ethanol	1627	1.042
2	n-Propanol	3674	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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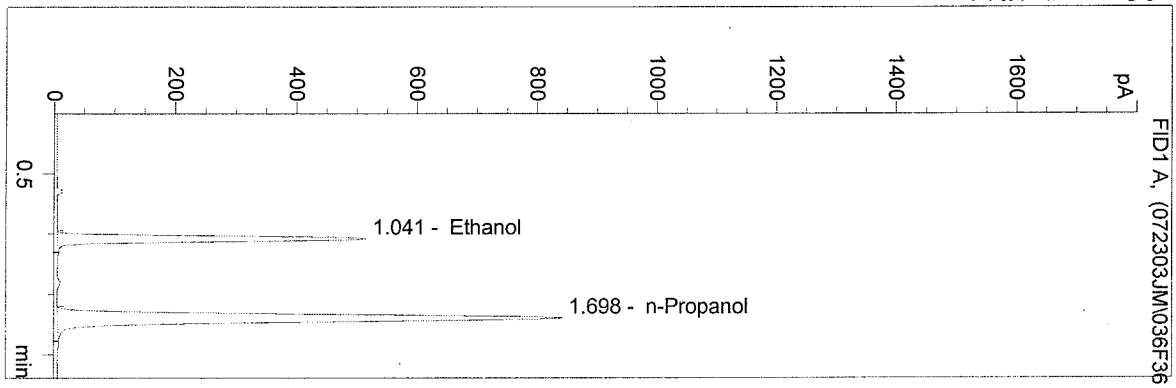
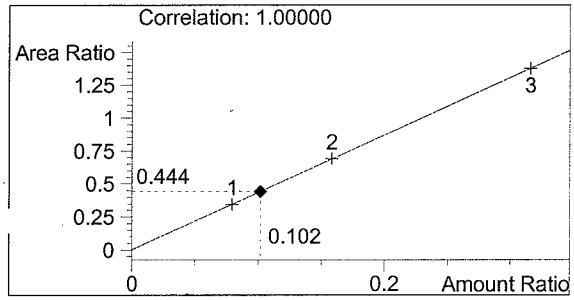
Instrument 1
ALC1

03026 Sim. Sol.
Estuardo J. Miranda

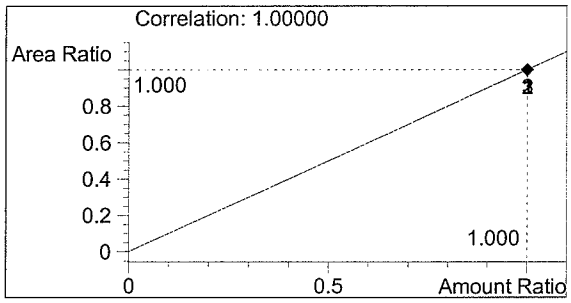
vial # 36



#	Compound	Area	RT
1	Ethanol	1585	1.041
2	n-Propanol	3571	1.698
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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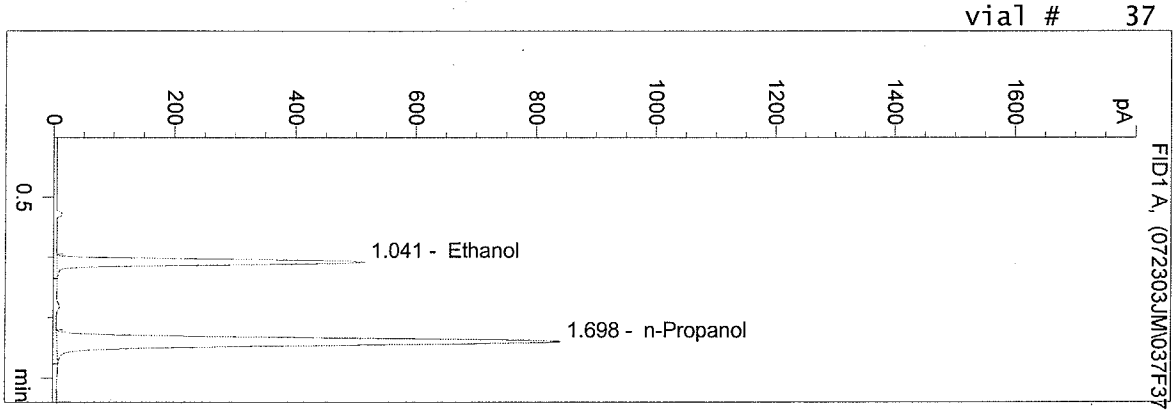
7/23/03 5:45:27 PM
Instrument 1
ALC1

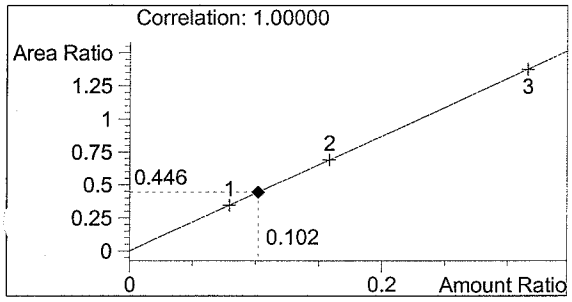
03026 Sim. Sol.
Estuardo J. Miranda

vial # 37

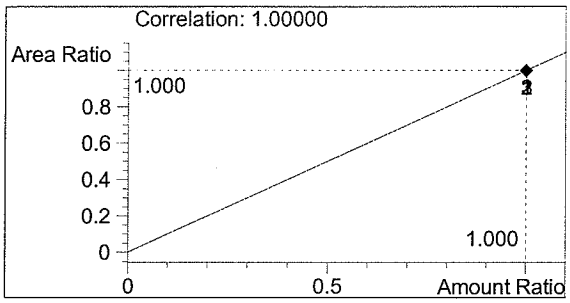


#	Compound	Area	RT
1	Ethanol	1594	1.041
2	n-Propanol	3578	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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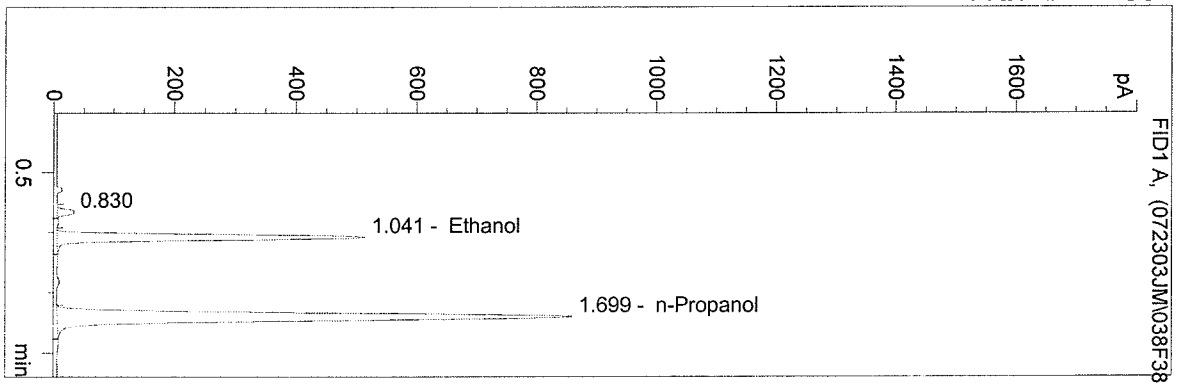
7/23/03 5:48:28 PM
Instrument 1
ALC1

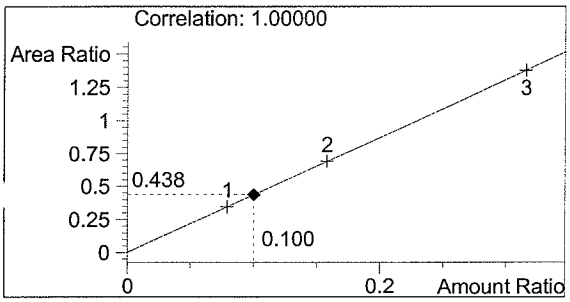
0.100 Control
Estuardo J. Miranda

vial # 38

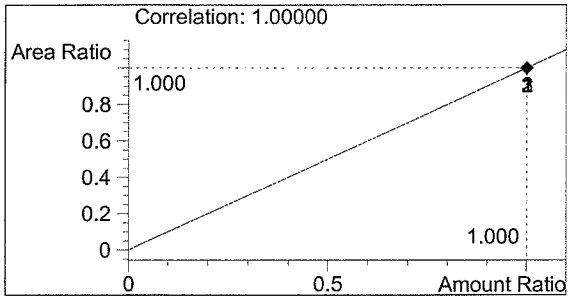


#	Compound	Area	RT
1		88	0.830
2	Ethanol	1603	1.041
3	n-Propanol	3658	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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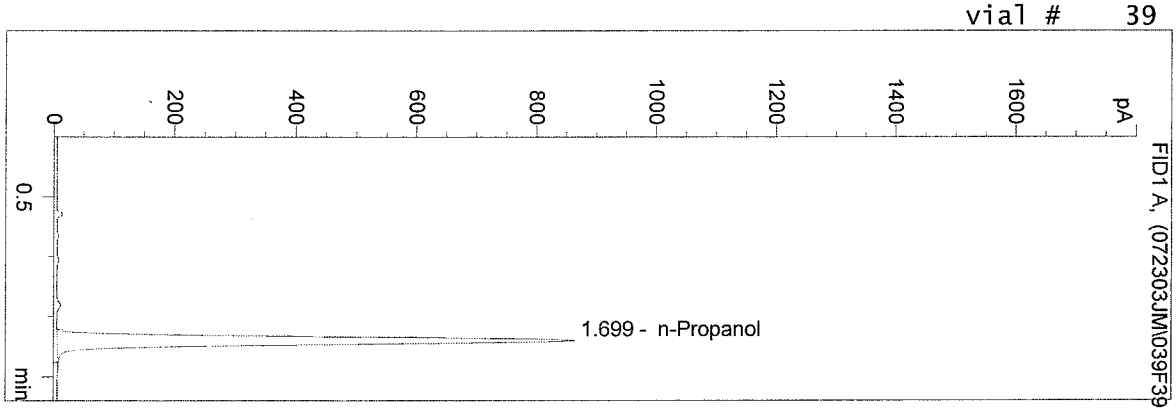
7/23/03 5:51:30 PM
Instrument 1
ALC1

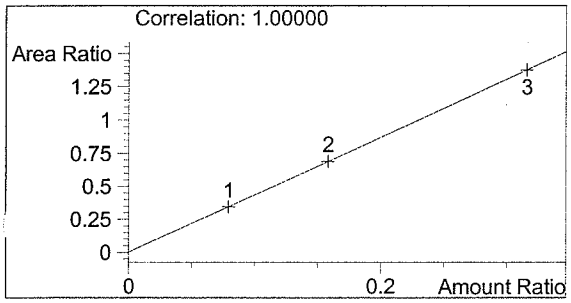
Blank
Estuardo J. Miranda

vial # 39

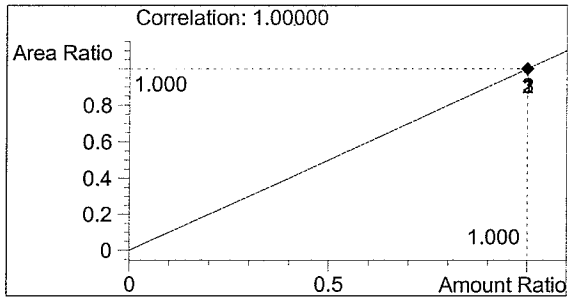


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3682	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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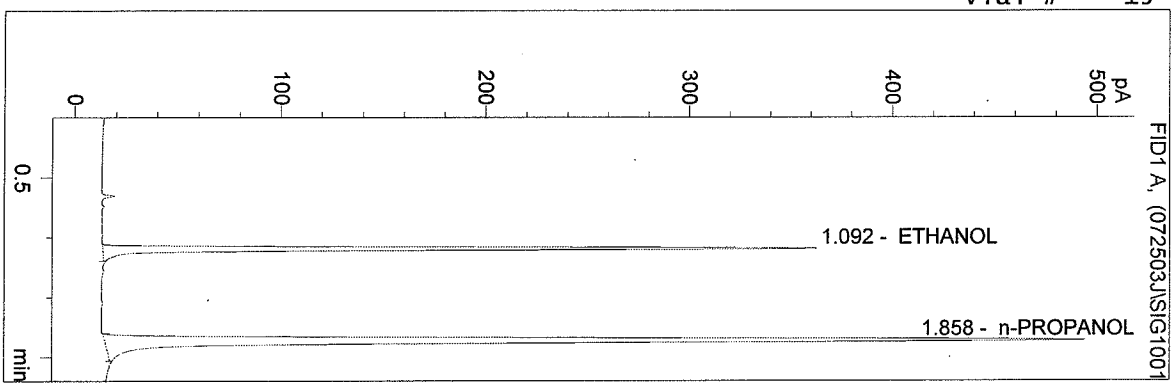
7/25/03 8:52:53 AM
Instrument 3
ALC2

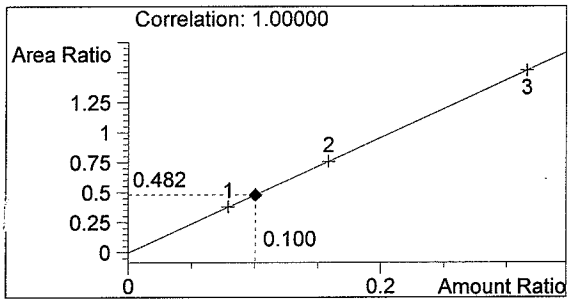
SimSoln 03026
Jayne E. Thatcher

vial # 15

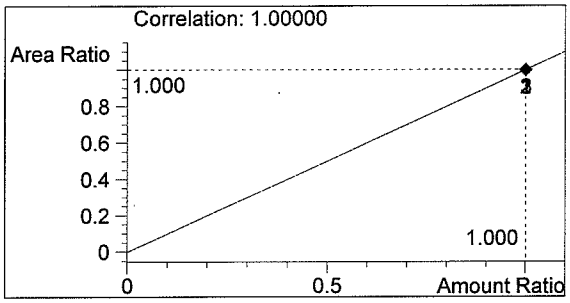


#	Compound	Area	RT
1	ETHANOL	654	1.092
2	n-PROPANOL	1356	1.858

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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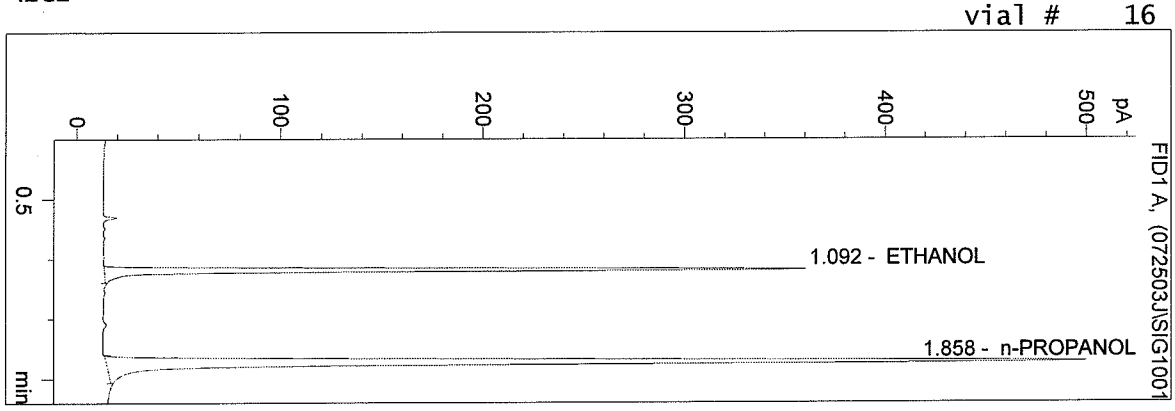
7/25/03 8:55:58 AM
Instrument 3
ALC2

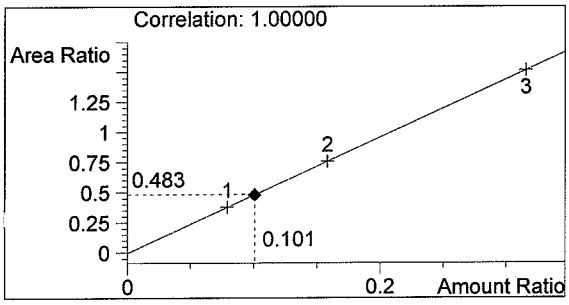
SimSoln 03026
Jayne E. Thatcher

vial # 16

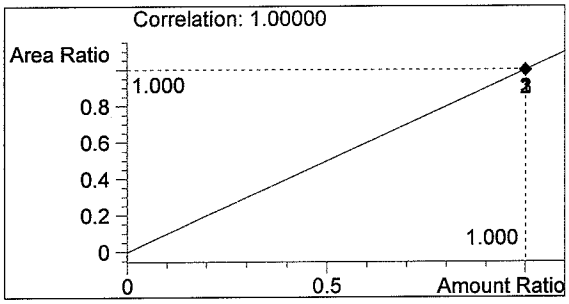


#	Compound	Area	RT
1	ETHANOL	663	1.092
2	n-PROPANOL	1371	1.858

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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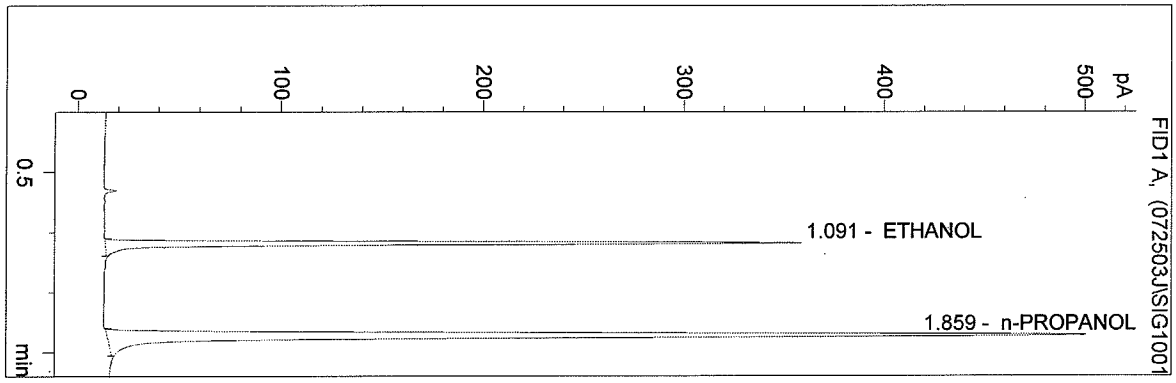
7/25/03 8:59:11 AM
Instrument 3
ALC2

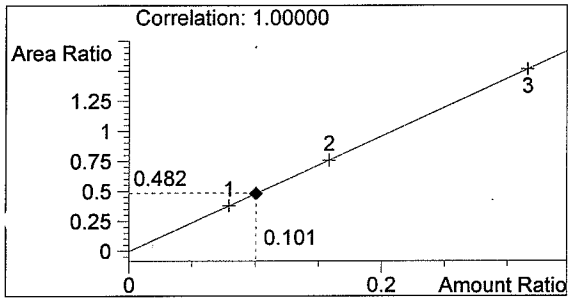
SimSoln 03026
Jayne E. Thatcher

vial # 17

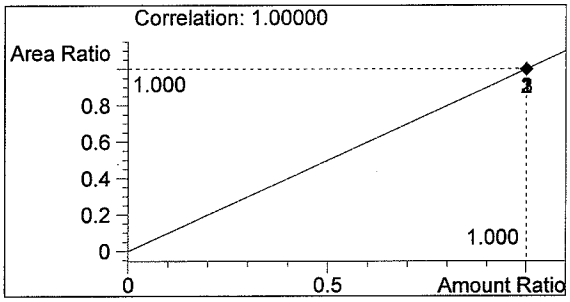


#	Compound	Area	RT
1	ETHANOL	663	1.091
2	n-PROPANOL	1375	1.859

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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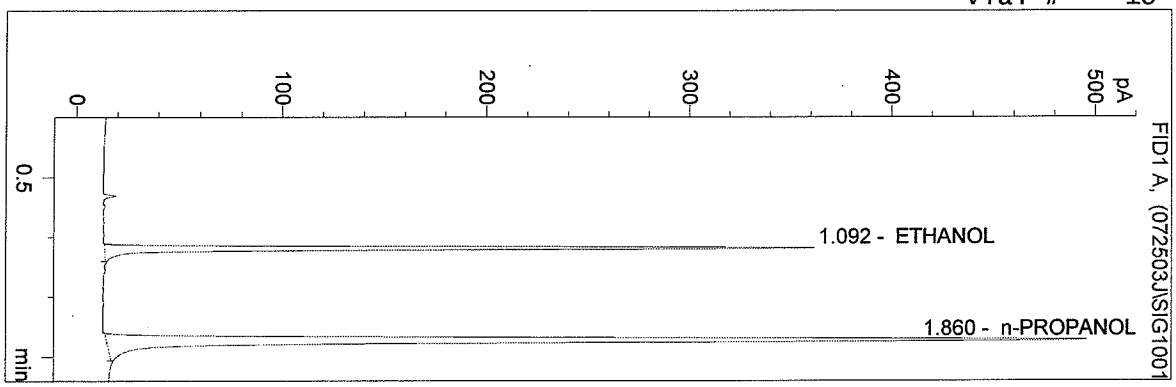
7/25/03 9:02:16 AM
Instrument 3
ALC2

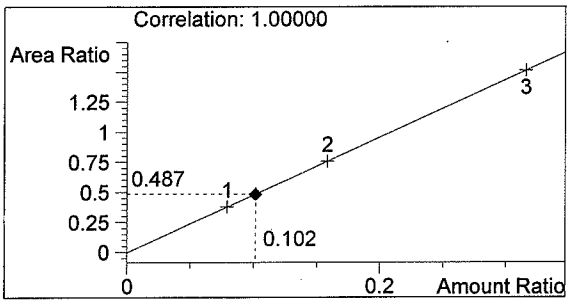
SimSoln 03026
Jayne E. Thatcher

vial # 18

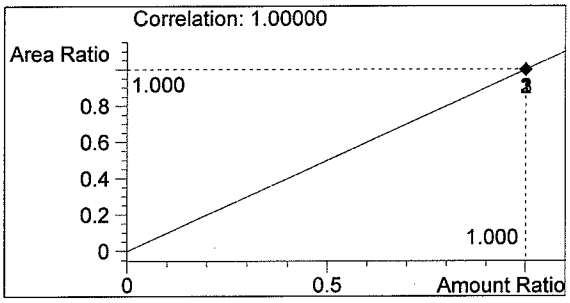


#	Compound	Area	RT
1	ETHANOL	662	1.092
2	n-PROPANOL	1358	1.860

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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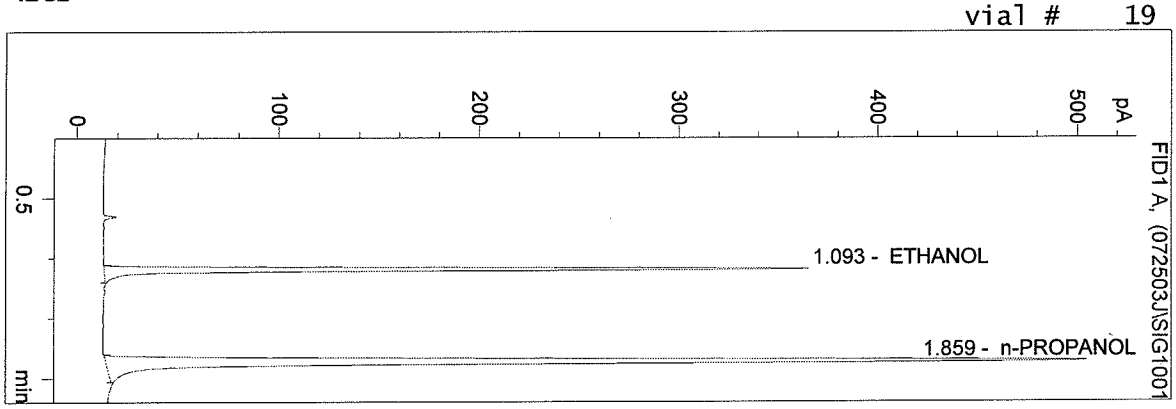
7/25/03 9:05:21 AM
Instrument 3
ALC2

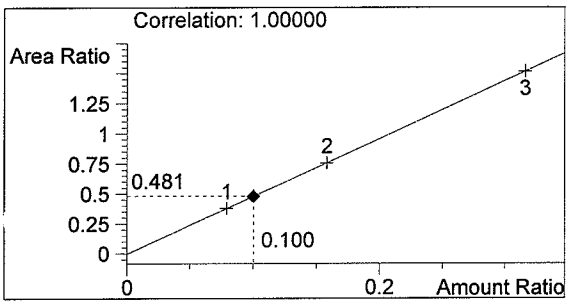
SimSoln 03026
Jayne E. Thatcher

vial # 19

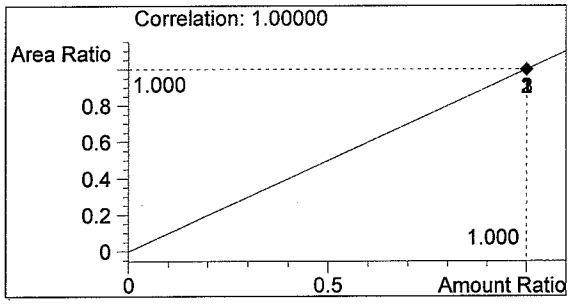


#	Compound	Area	RT
1	ETHANOL	665	1.093
2	n-PROPANOL	1384	1.859

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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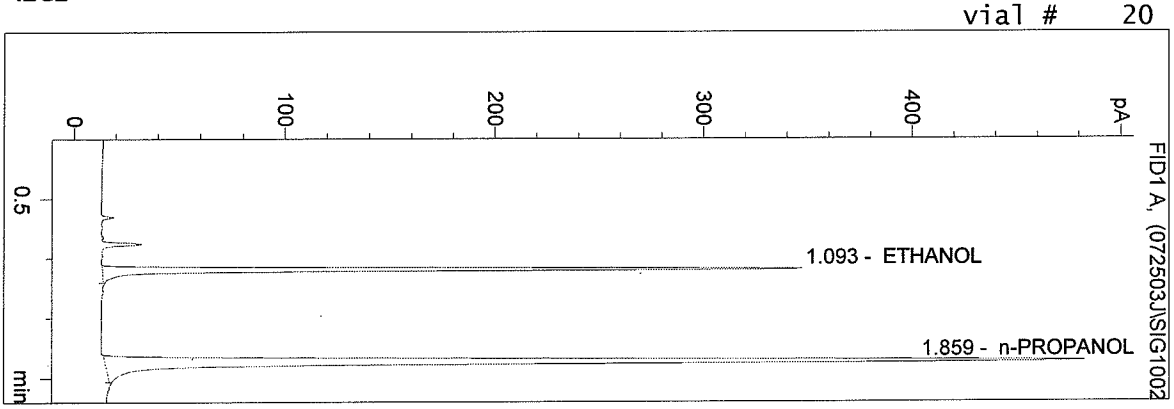
7/25/03 9:08:25 AM
Instrument 3
ALC2

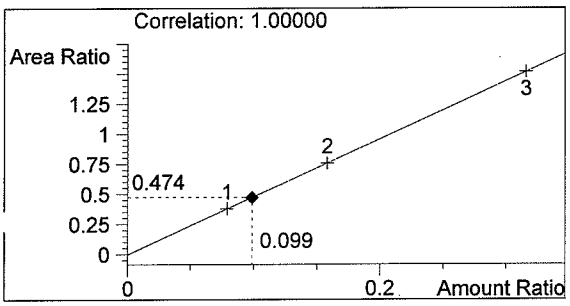
0.10 CONTROL
Jayne E. Thatcher

vial # 20

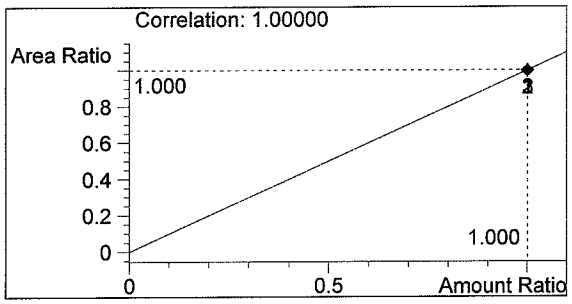


#	Compound	Area	RT
1	ETHANOL	622	1.093
2	n-PROPANOL	1312	1.859

Totals:



ETHANOL 0.099 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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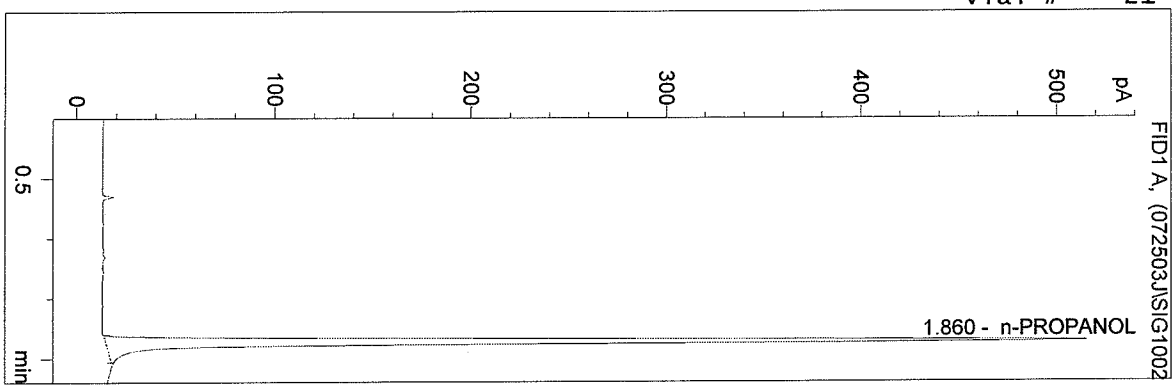
Instrument 3
ALC2

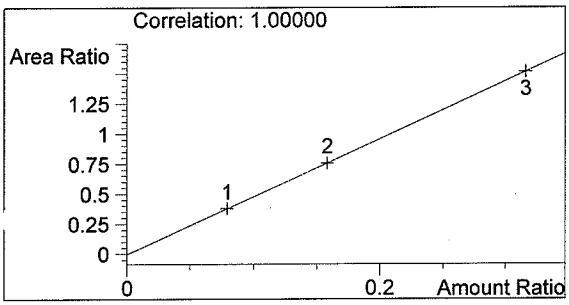
BLANK
Jayne E. Thatcher

vial # 21

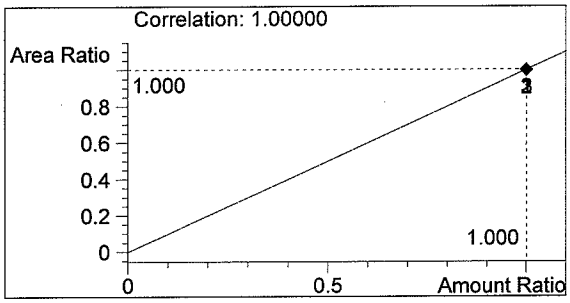


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1406	1.860

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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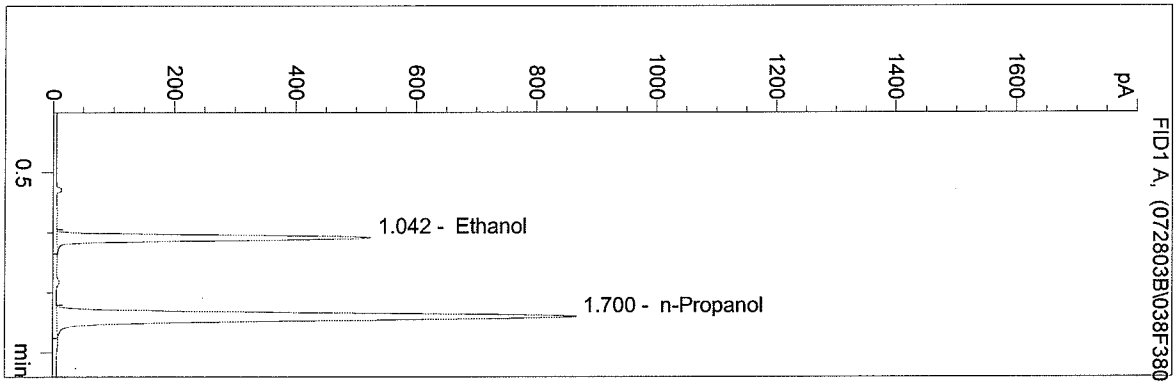
Instrument 1
ALC1

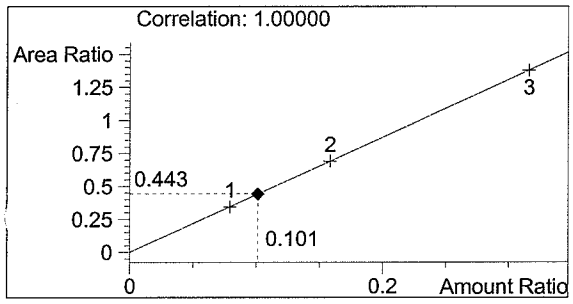
03026-1
N Nuwayhid, PhD

vial # 38

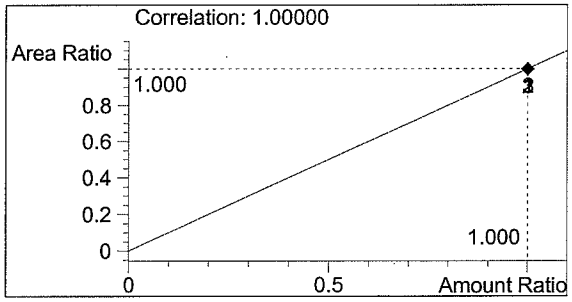


#	Compound	Area	RT
1	Ethanol	1621	1.042
2	n-Propanol	3662	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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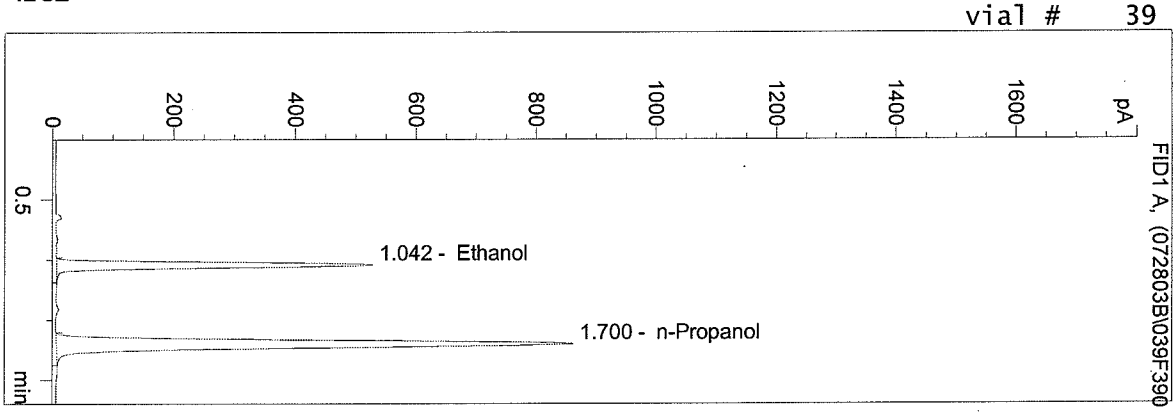
Instrument 1
ALC1

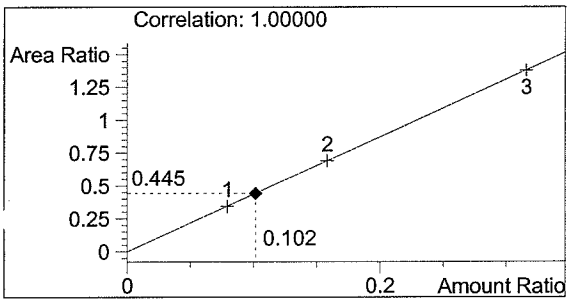
03026-2
N Nuwayhid, PhD

vial # 39

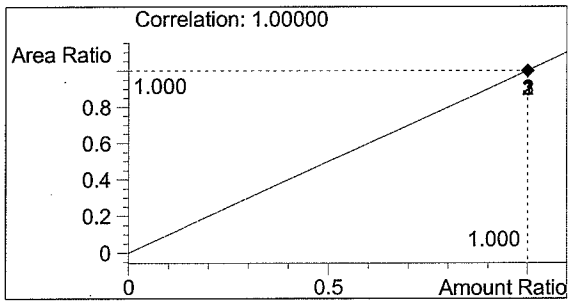


#	Compound	Area	RT
1	Ethanol	1618	1.042
2	n-Propanol	3639	1.700

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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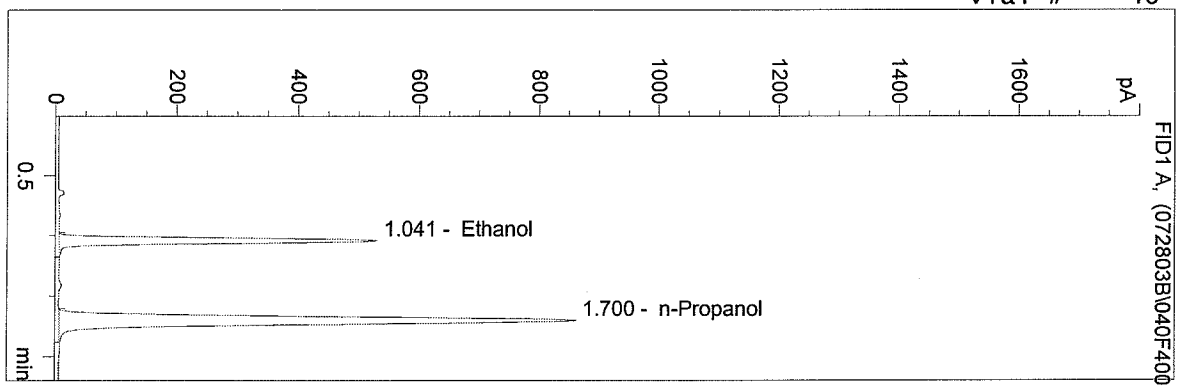
Instrument 1
ALC1

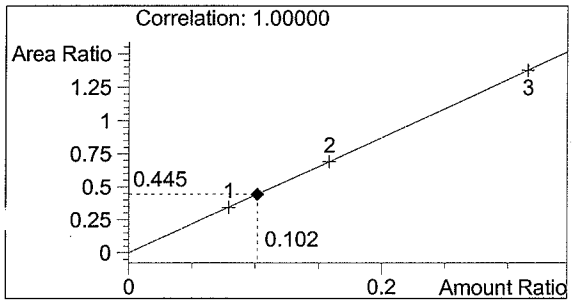
03026-3
N Nuwayhid, PhD

vial # 40

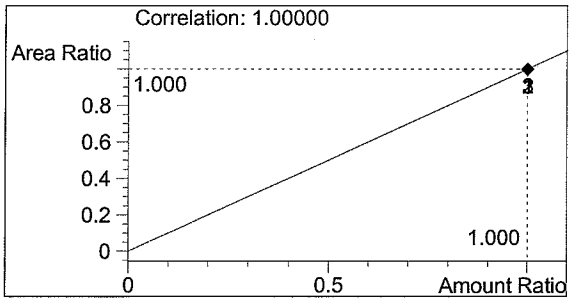


#	Compound	Area	RT
1	Ethanol	1610	1.041
2	n-Propanol	3621	1.700

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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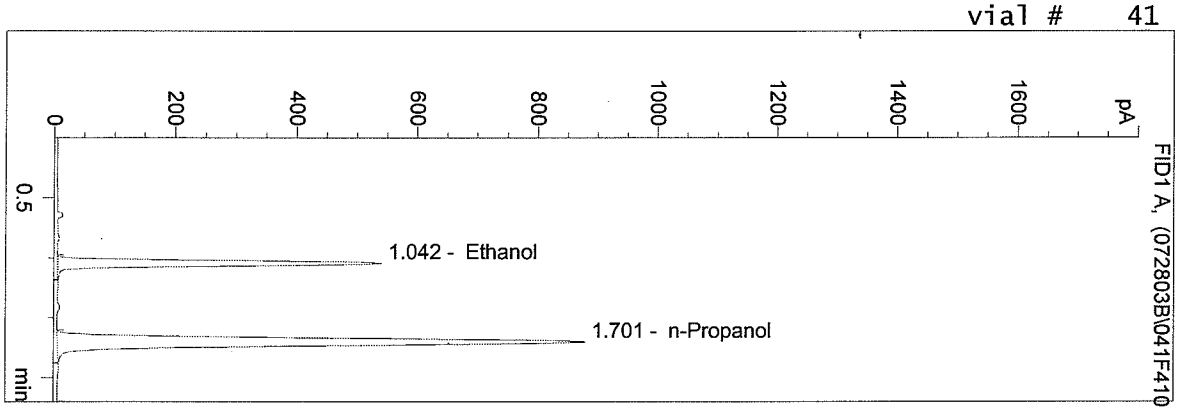
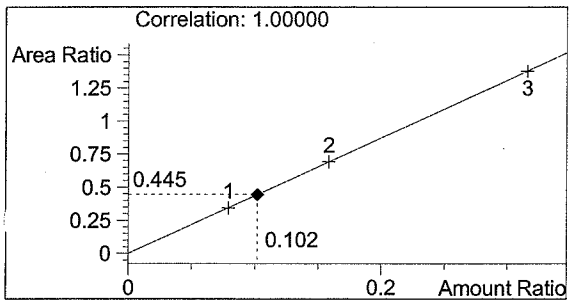
Instrument 1
ALC1

03026-4
N Nuwayhid, PhD

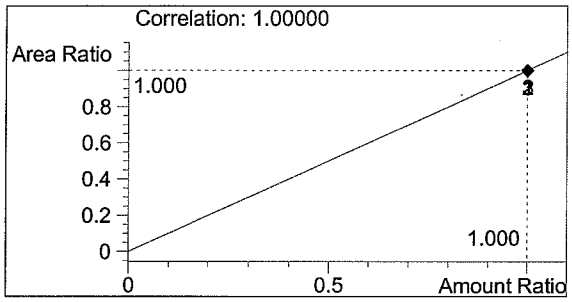
vial # 41



#	Compound	Area	RT
1	Ethanol	1648	1.042
2	n-Propanol	3700	1.701
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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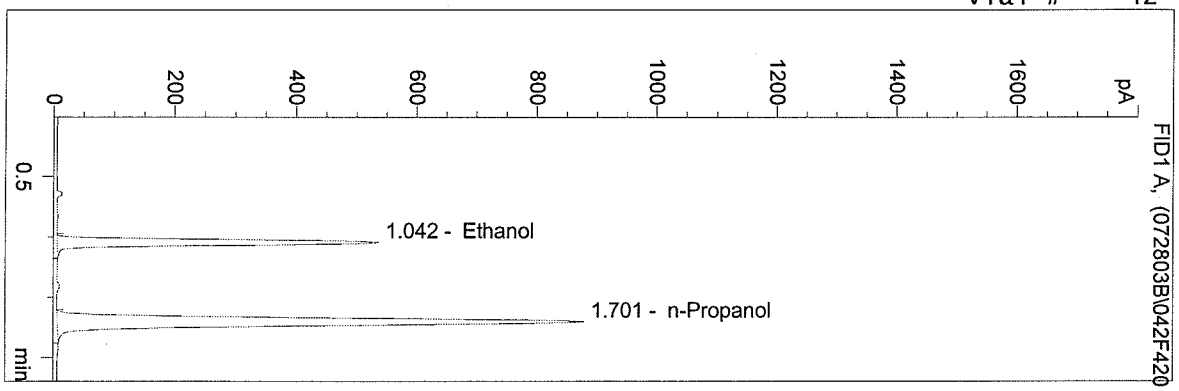
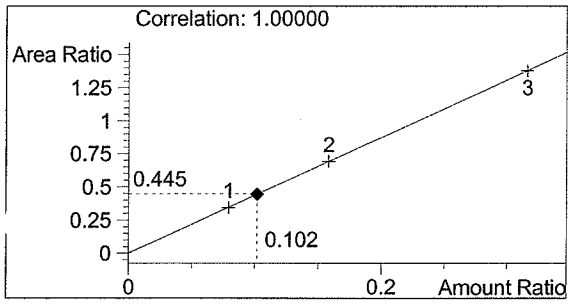
Instrument 1
ALC1

03026-5
N Nuwayhid, PhD

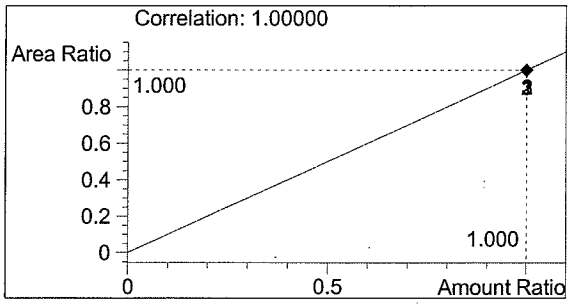
vial # 42



#	Compound	Area	RT
1	Ethanol	1654	1.042
2	n-Propanol	3713	1.701
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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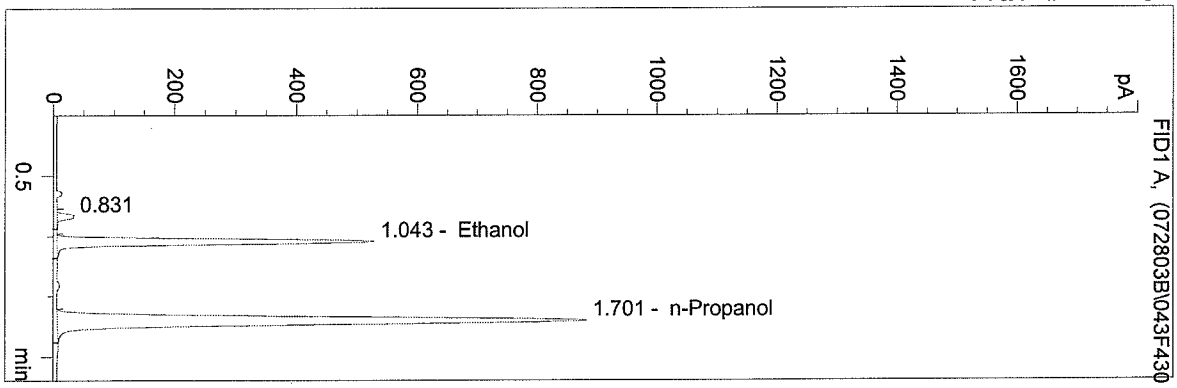
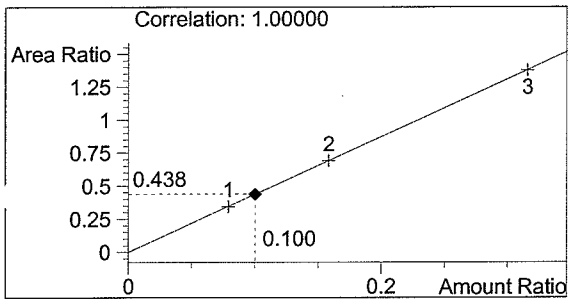
Instrument 1
ALC1

0.100 C
N Nuwayhid, PhD

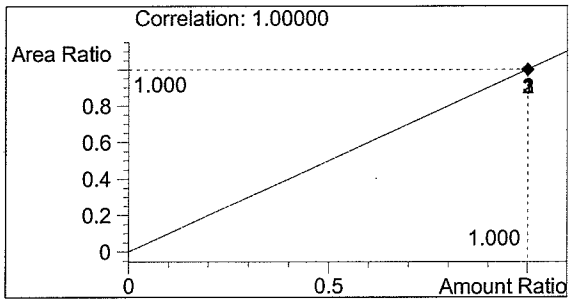
vial # 43



#	Compound	Area	RT
1		90	0.831
2	Ethanol	1633	1.043
3	n-Propanol	3729	1.701
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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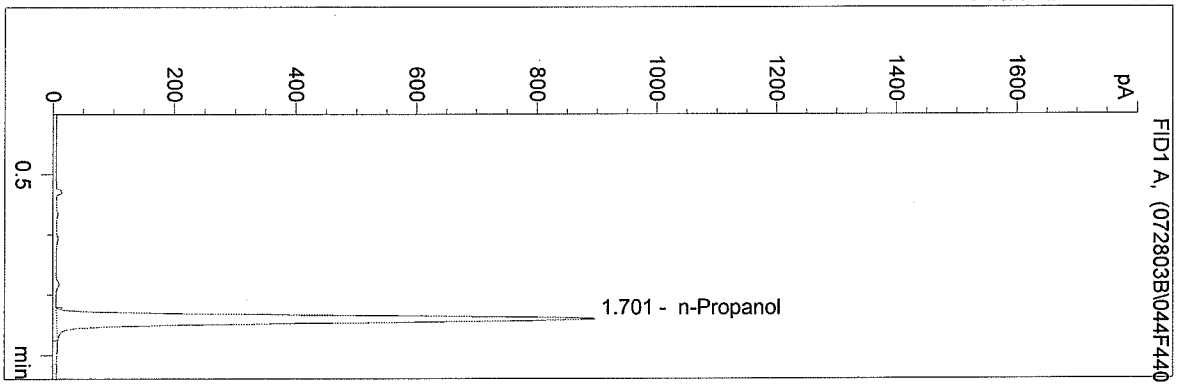
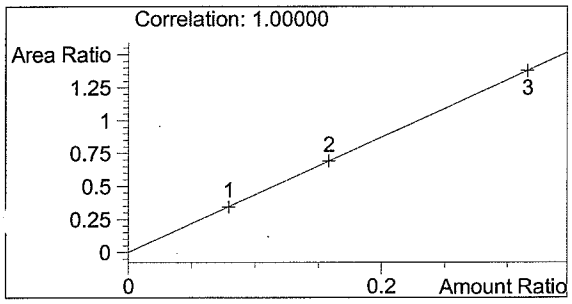
Instrument 1
ALC1

Blank
N Nuwayhid, PhD
vial # 44

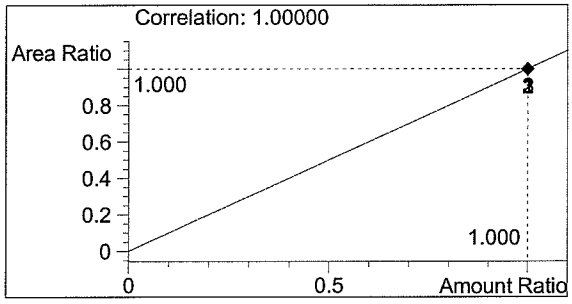


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3786	1.701

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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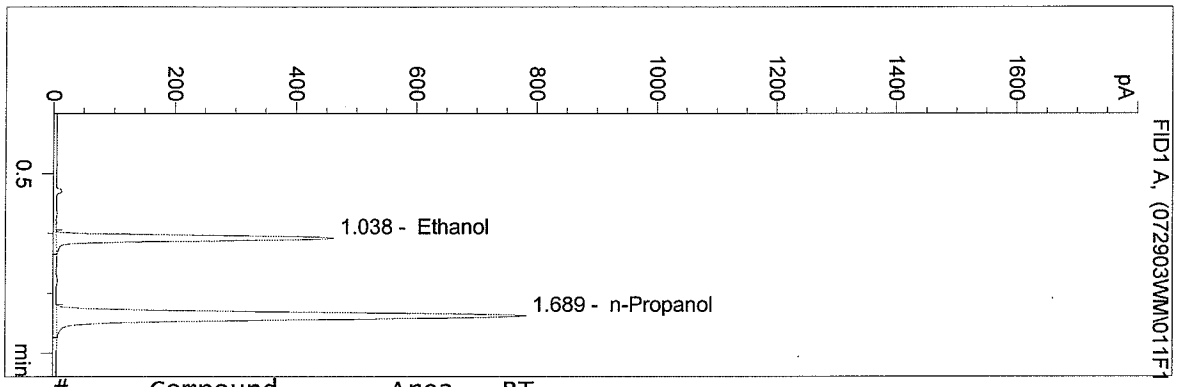
Instrument 2
DB-ALC1

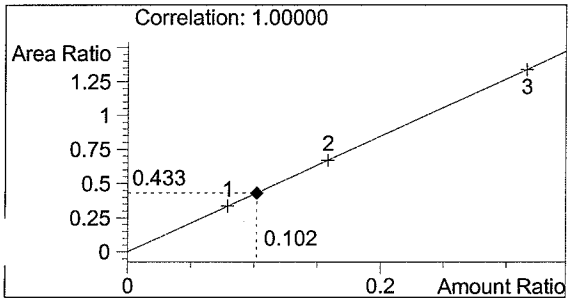
SIM 03026
WP MARSHALL

vial # 11

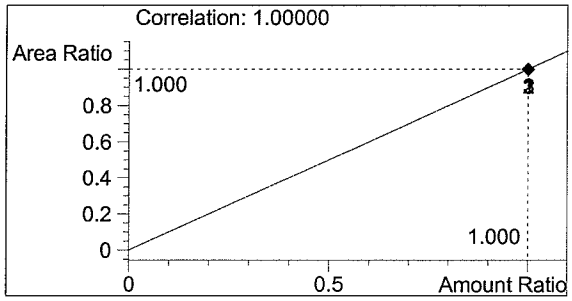


#	Compound	Area	RT
1	Ethanol	1425	1.038
2	n-Propanol	3294	1.689

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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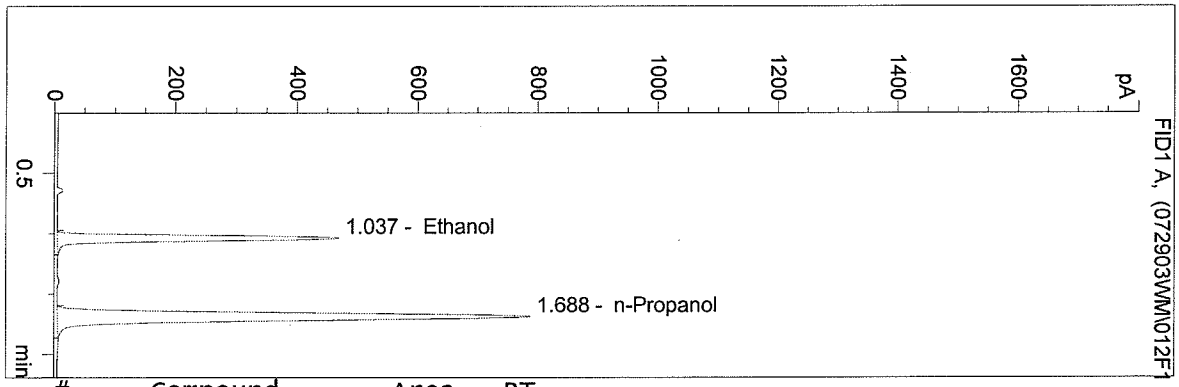
Instrument 2
DB-ALC1

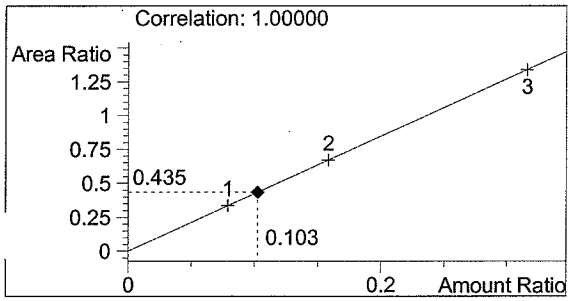
SIM 03026
WP MARSHALL

vial # 12

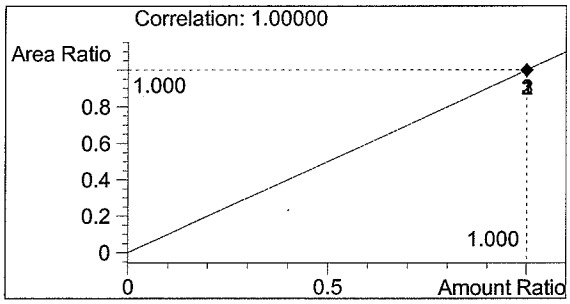


#	Compound	Area	RT
1	Ethanol	1441	1.037
2	n-Propanol	3313	1.688

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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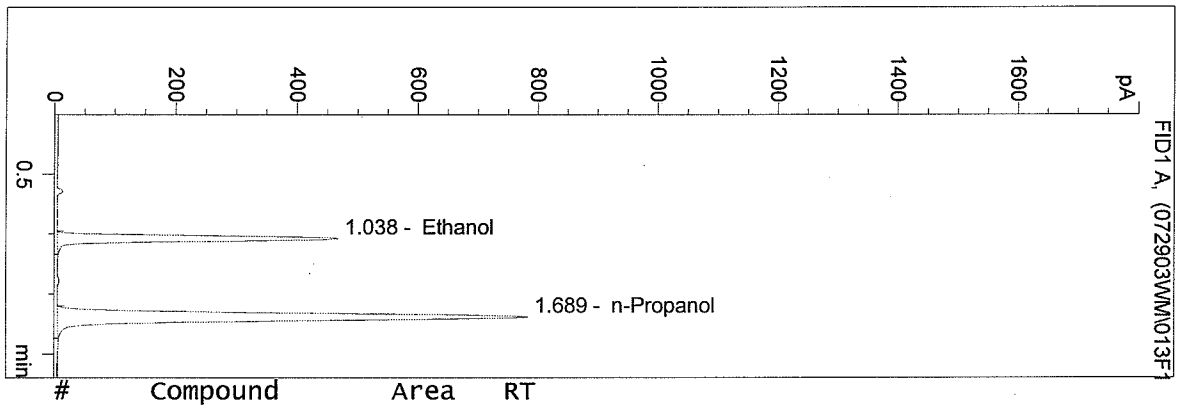
7/29/03 9:09:52 AM
Instrument 2
DB-ALC1

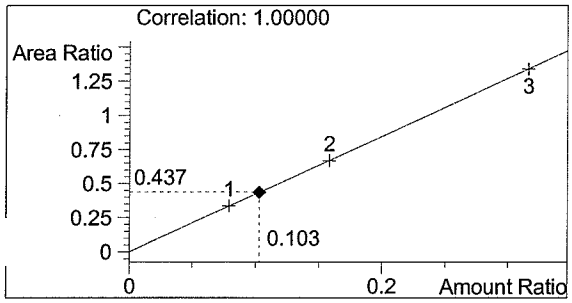
SIM 03026
WP MARSHALL

vial # 13

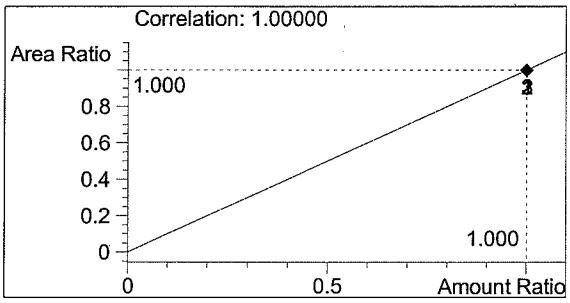


#	Compound	Area	RT
1	Ethanol	1435	1.038
2	n-Propanol	3288	1.689

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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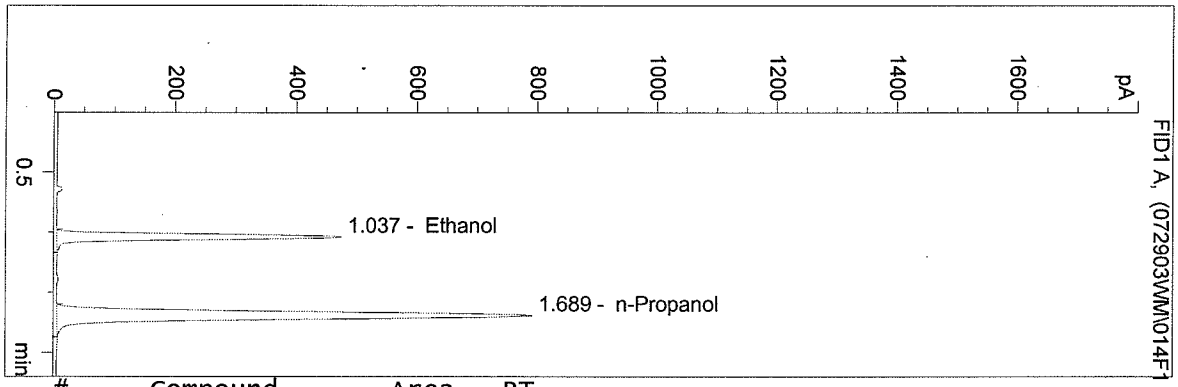
7/29/03 9:12:55 AM
Instrument 2
DB-ALC1

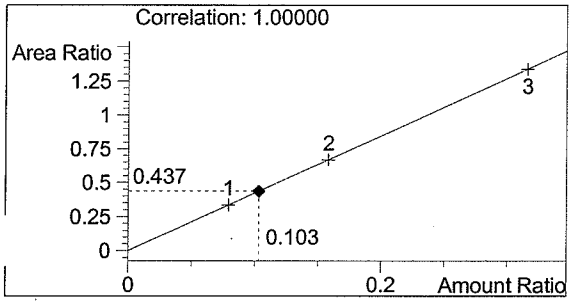
SIM 03026
WP MARSHALL

vial # 14

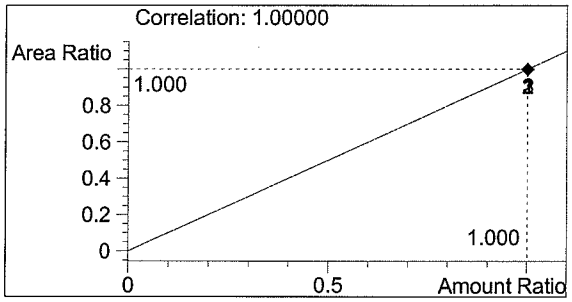


#	Compound	Area	RT
1	Ethanol	1452	1.037
2	n-Propanol	3325	1.689

Totals:



Ethanol 0.103 g/100ml



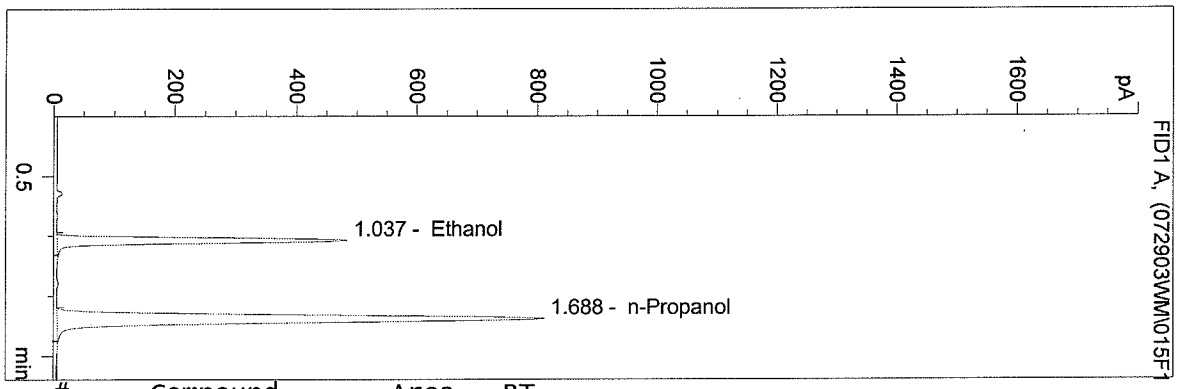
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 9:15:57 AM
Instrument 2
DB-ALC1

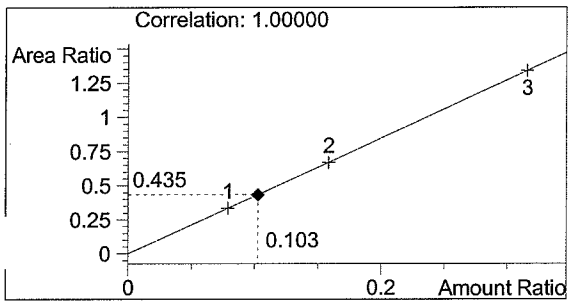
SIM 03026
WP MARSHALL

vial # 15

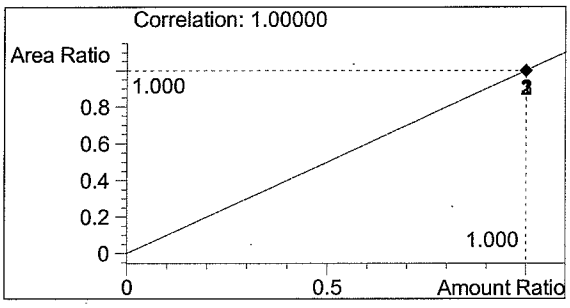


#	Compound	Area	RT
1	Ethanol	1478	1.037
2	n-Propanol	3398	1.688

Totals:



Ethanol 0.103 g/100ml



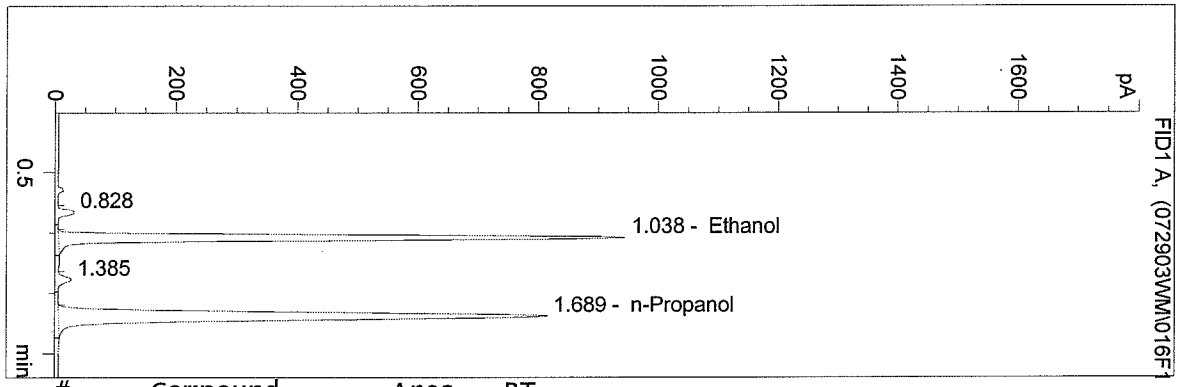
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 9:18:59 AM
Instrument 2
DB-ALC1

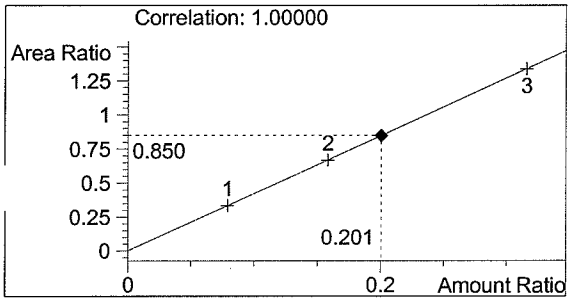
CONTROL 0.20 WM
WP MARSHALL

vial # 16

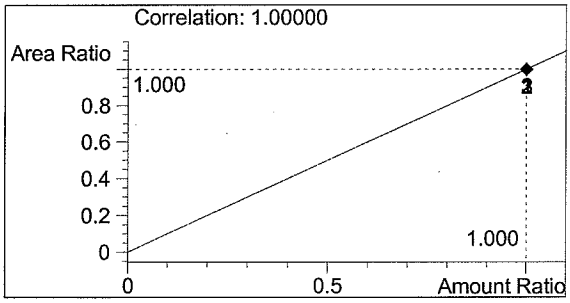


#	Compound	Area	RT
1		83	0.828
2	Ethanol	2904	1.038
3		75	1.385
4	n-Propanol	3417	1.689

Totals:



Ethanol 0.201 g/100ml



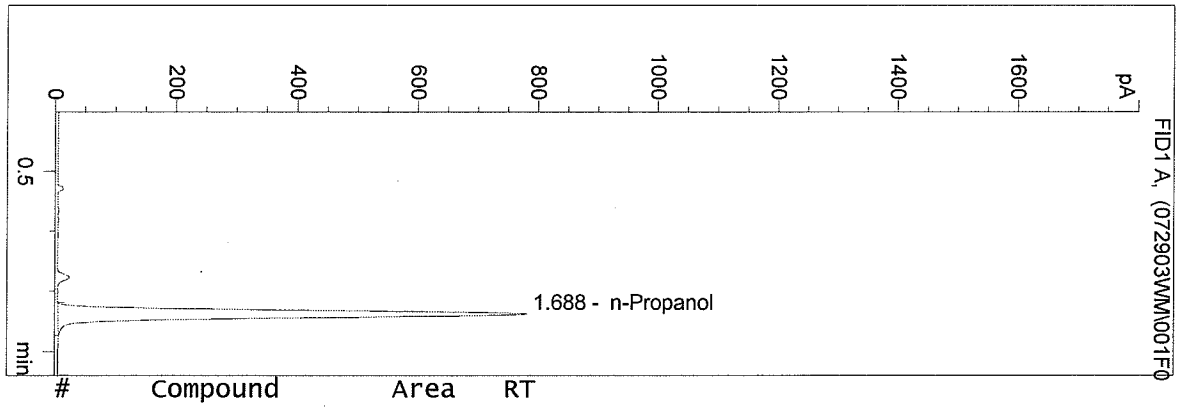
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:29:16 AM
Instrument 2
DB-ALC1

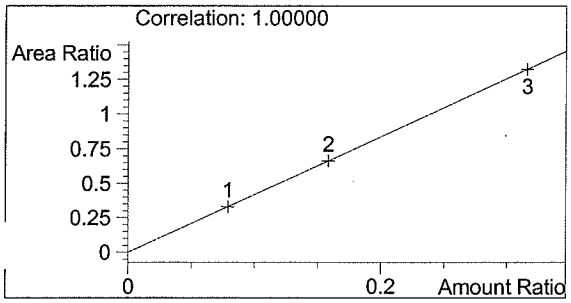
BLANK
WP MARSHALL

vial # 1

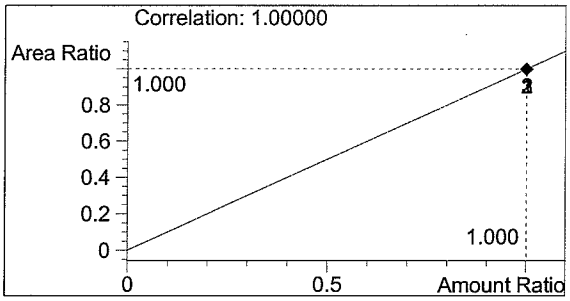


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3282	1.688

Totals:



Ethanol 0.000 g/100ml



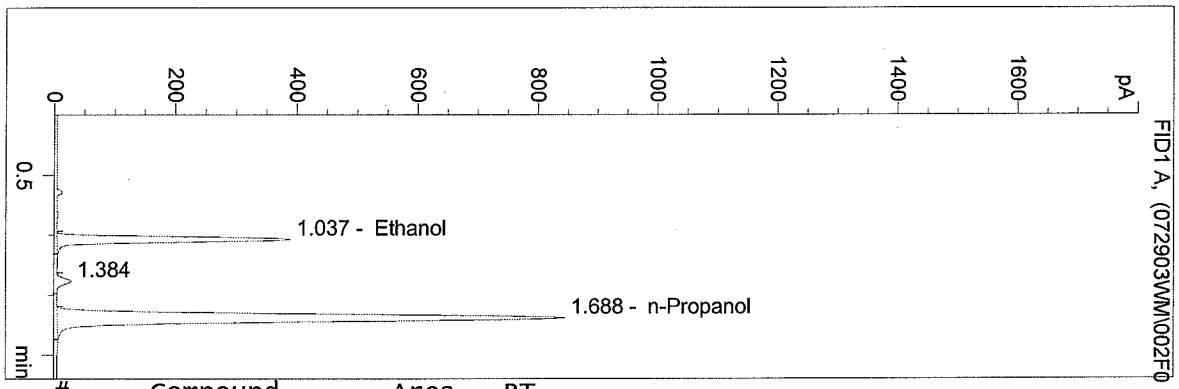
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:32:19 AM
Instrument 2
DB-ALC1

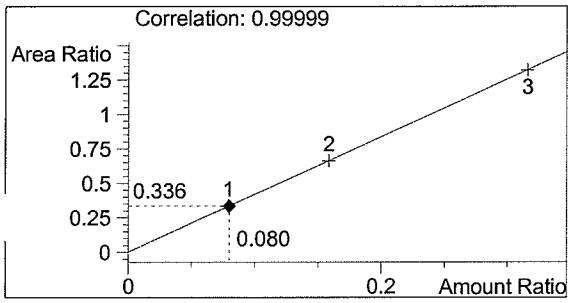
0.079 CALIBRATOR
WP MARSHALL

vial # 2

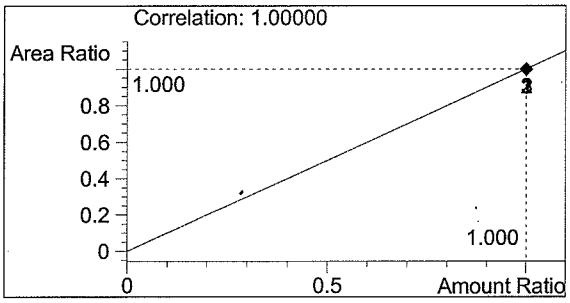


#	Compound	Area	RT
1	Ethanol	1195	1.037
2		81	1.384
3	n-Propanol	3552	1.688

Totals:



Ethanol 0.080 g/100ml



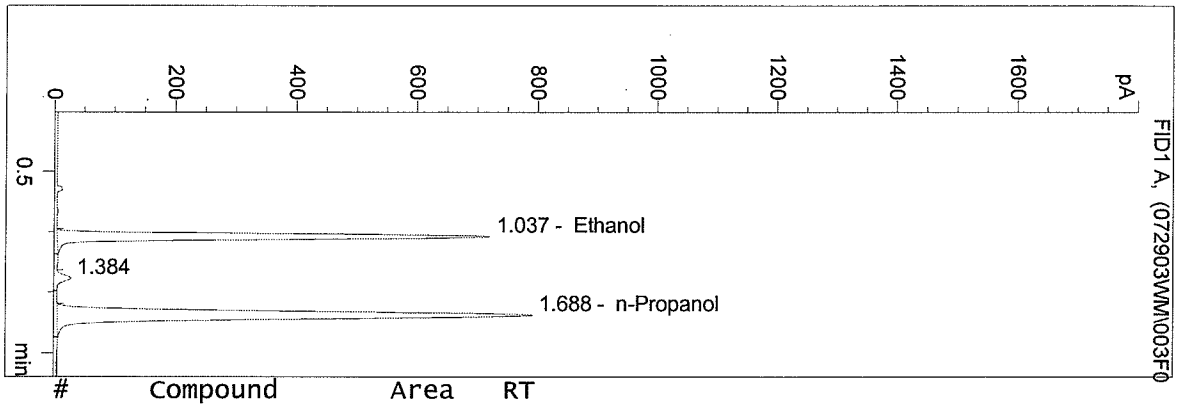
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:35:21 AM
Instrument 2
DB-ALC1

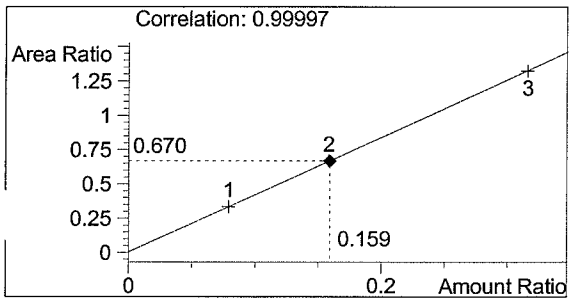
0.158 CALIBRATOR
WP MARSHALL

vial # 3

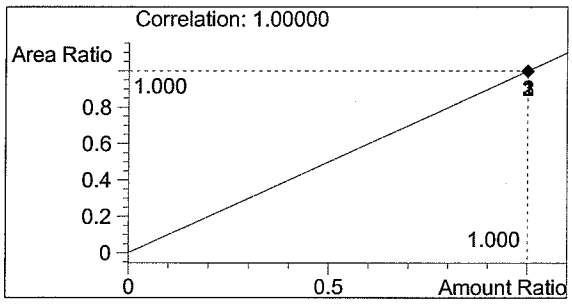


#	Compound	Area	RT
1	Ethanol	2234	1.037
2		81	1.384
3	n-Propanol	3335	1.688

Totals:



Ethanol 0.159 g/100ml



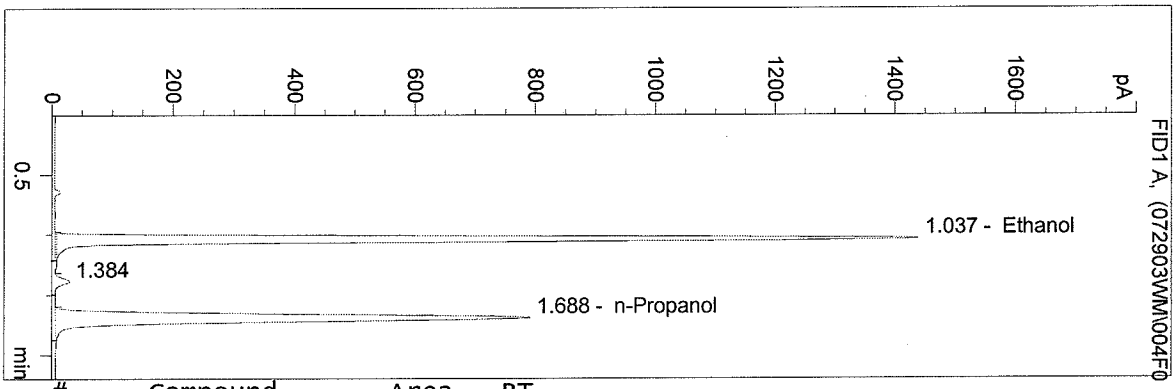
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:38:23 AM
Instrument 2
DB-ALC1

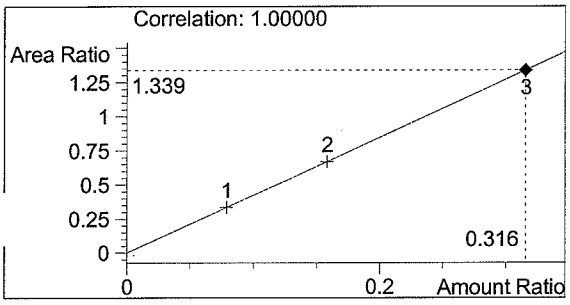
0.316 CALIBRATOR
WP MARSHALL

vial # 4

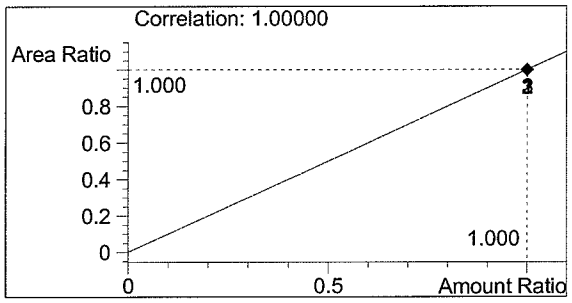


#	Compound	Area	RT
1	Ethanol	4463	1.037
2		82	1.384
3	n-Propanol	3334	1.688

Totals:



Ethanol 0.316 g/100ml



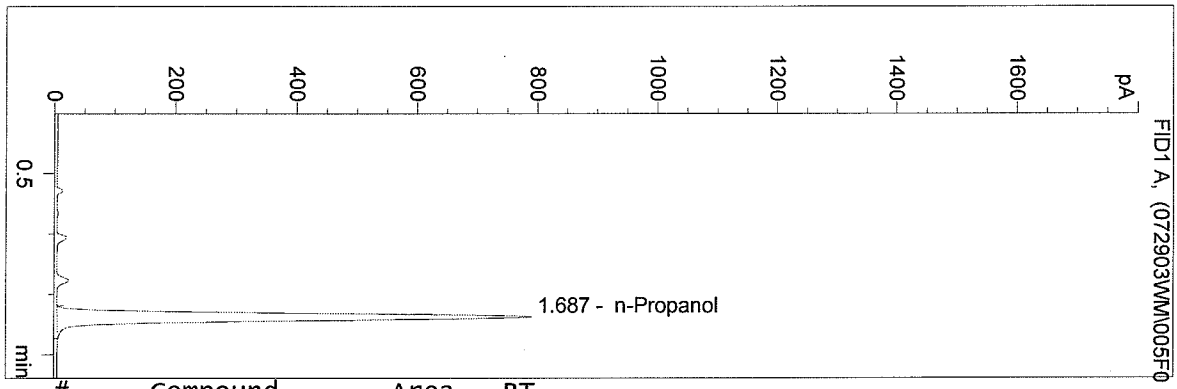
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:41:49 AM
Instrument 2
DB-ALC1

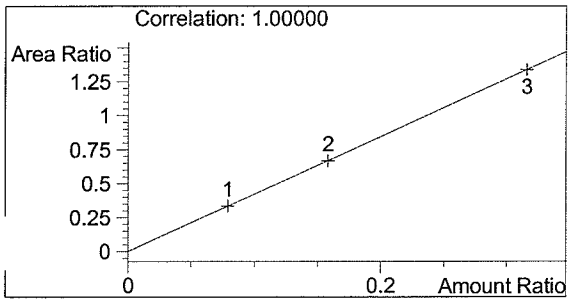
BLANK
WP MARSHALL

vial # 5

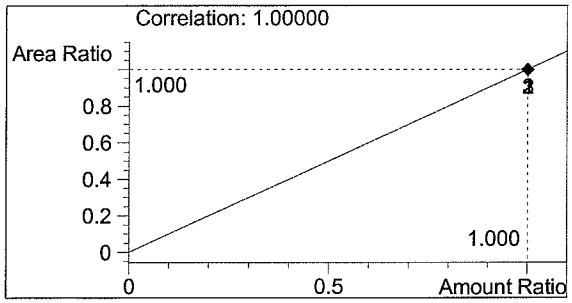


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3316	1.687

Totals:



Ethanol 0.000 g/100ml



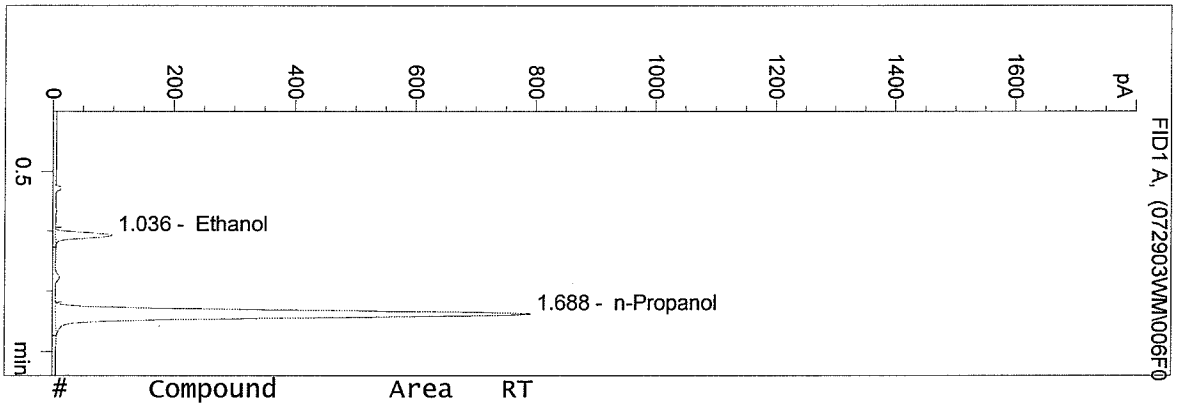
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

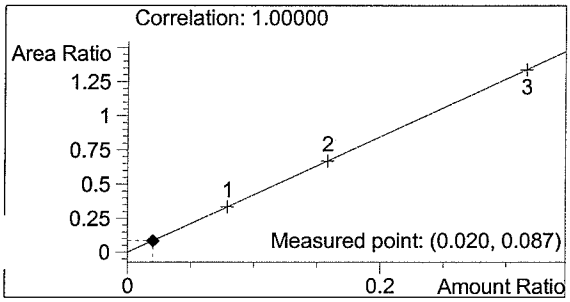
C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:44:51 AM
Instrument 2
DB-ALC1

0.02 SOLUTION
WP MARSHALL

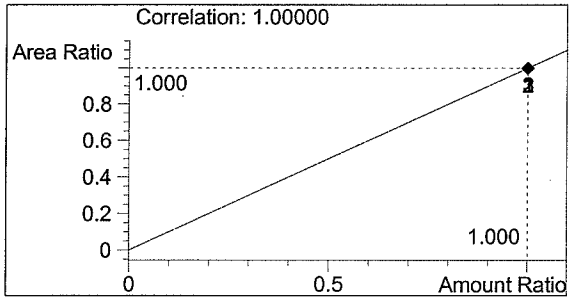
vial # 6



#	Compound	Area	RT
1	Ethanol	288	1.036
2	n-Propanol	3327	1.688
Totals:			



Ethanol 0.020 g/100ml



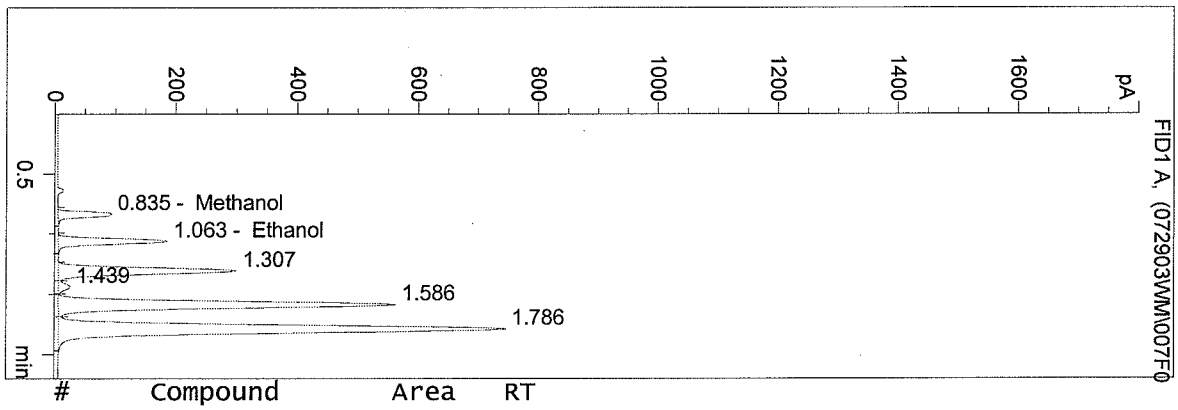
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\VOL.M
7/29/03 8:50:28 AM
Instrument 2
DB-ALC1

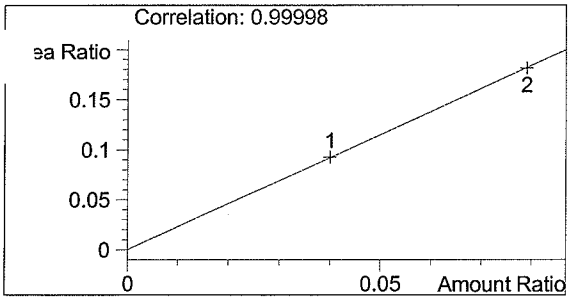
0.04 MIX
WP MARSHALL

vial # 7

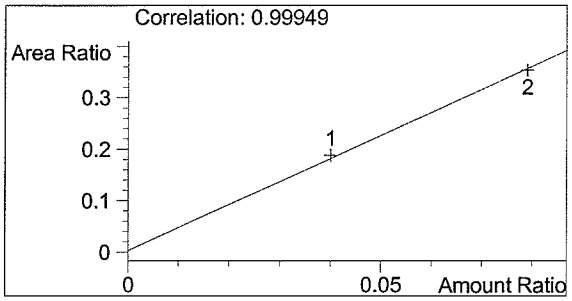


#	Compound	Area	RT
1	Methanol	277	0.835
2	Ethanol	563	1.063
3	Isopropanol	0	0.000
4		1049	1.307
5		72	1.439
6	Acetone	0	0.000
7		2179	1.586
8	n-Propanol	0	0.000
9		3334	1.786

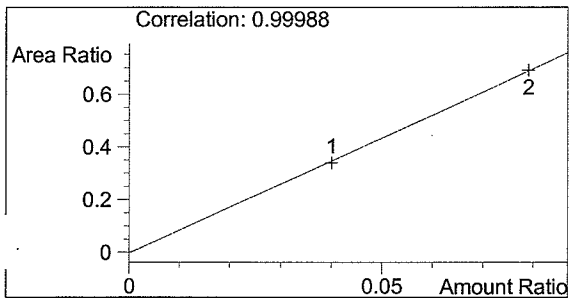
Totals:



Methanol 0.000 g/100ml



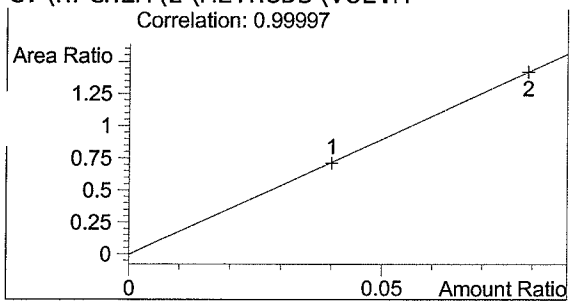
Ethanol 0.000 g/100ml



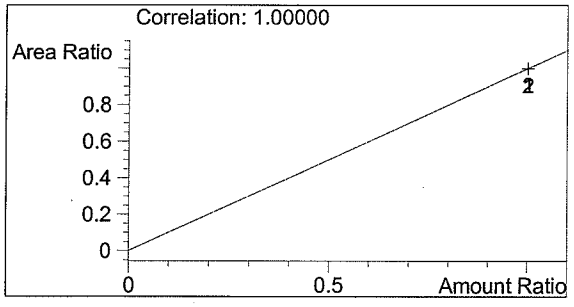
Isopropanol 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\VOL.M



Acetone 0.000 g/100ml



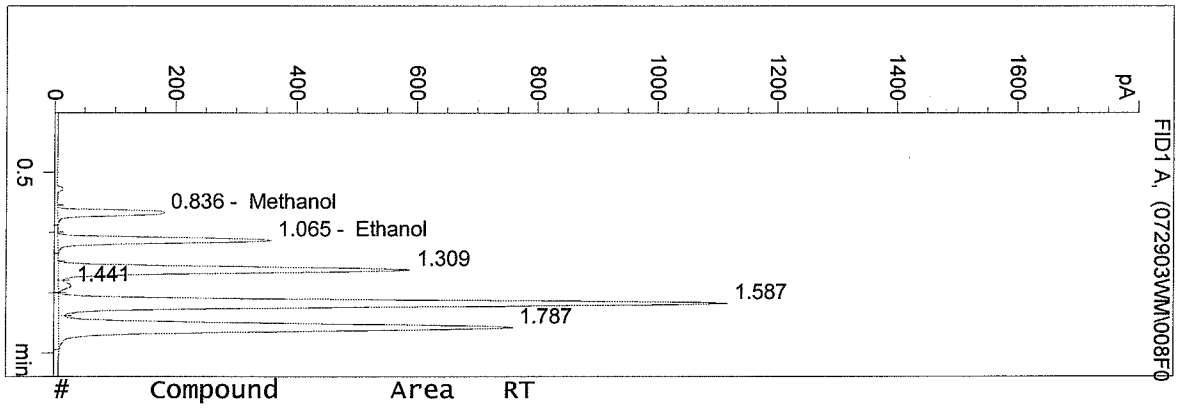
n-Propanol 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\VOL.M
7/29/03 8:53:30 AM
Instrument 2
DB-ALC1

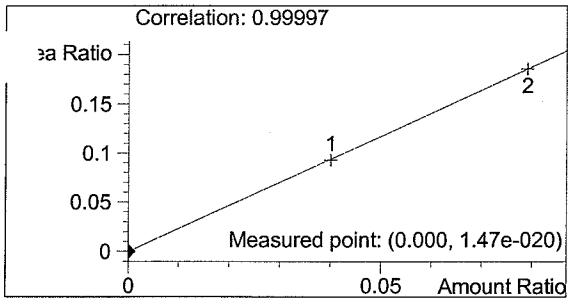
0.08 MIX
WP MARSHALL

vial # 8

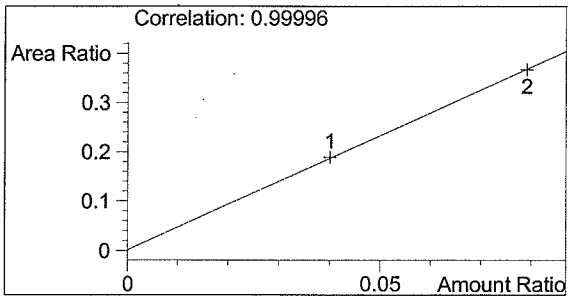


#	Compound	Area	RT
1	Methanol	556	0.836
2	Ethanol	1098	1.065
3	Isopropanol	0	0.000
4		2075	1.309
5		78	1.441
6	Acetone	0	0.000
7		4325	1.587
8	n-Propanol	0	0.000
9		3380	1.787

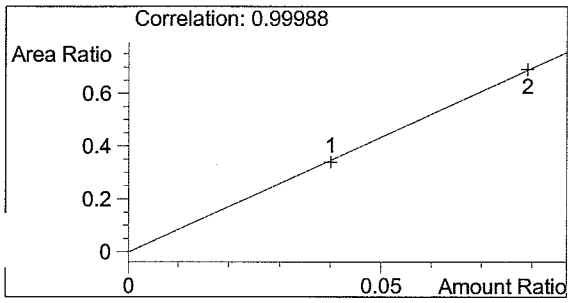
Totals:



Methanol 0.000 g/100ml



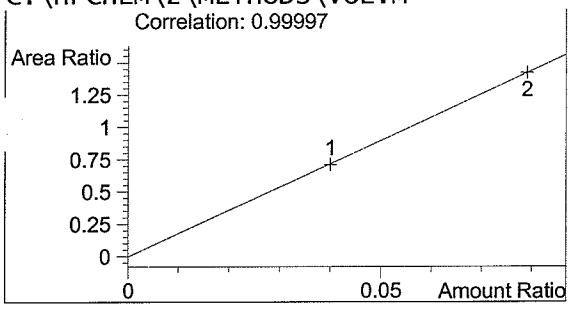
Ethanol 0.000 g/100ml



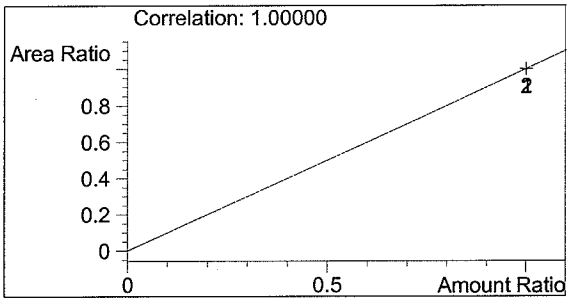
Isopropanol 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\VOL.M



Acetone 0.000 g/100ml



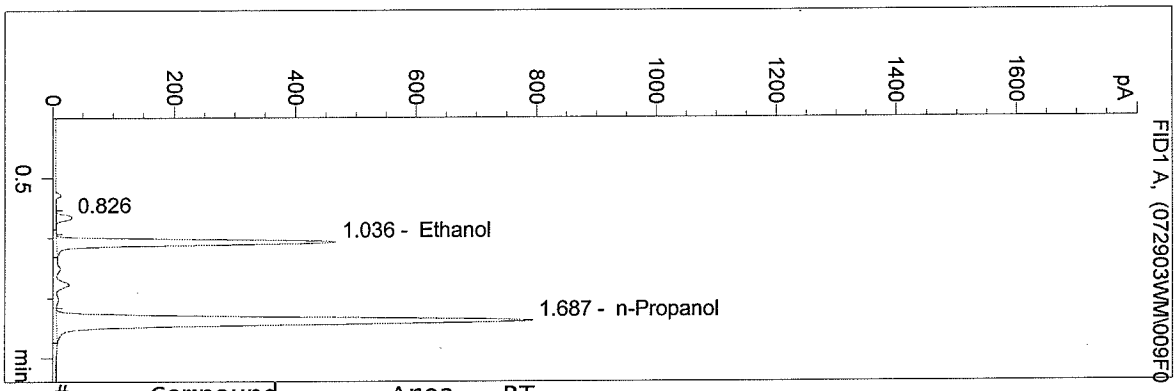
n-Propanol 0.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 8:57:19 AM
Instrument 2
DB-ALC1

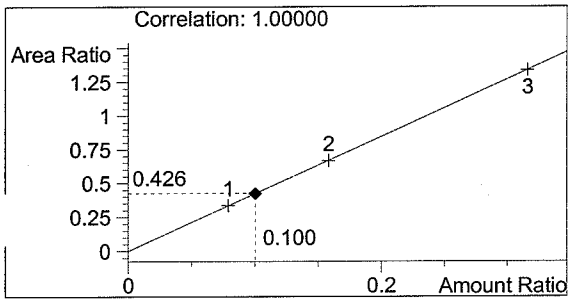
CONTROL 0.10 WM
WP MARSHALL

vial # 9

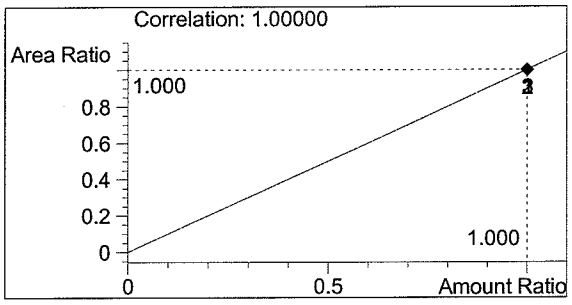


#	Compound	Area	RT
1		82	0.826
2	Ethanol	1416	1.036
3	n-Propanol	3325	1.687

Totals:



Ethanol 0.100 g/100ml



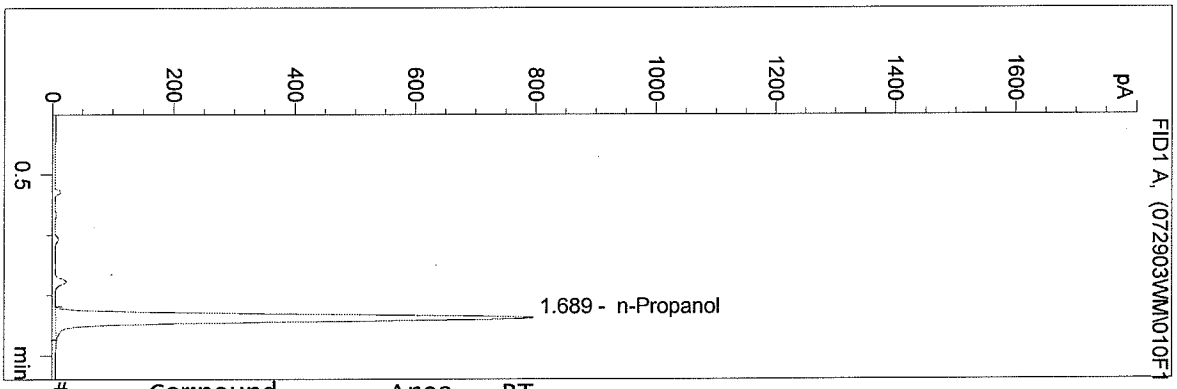
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
7/29/03 9:00:22 AM
Instrument 2
DB-ALC1

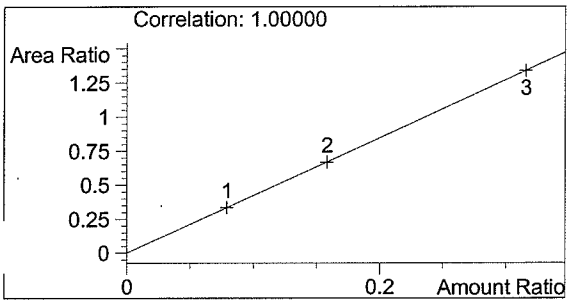
BLANK
WP MARSHALL

vial # 10

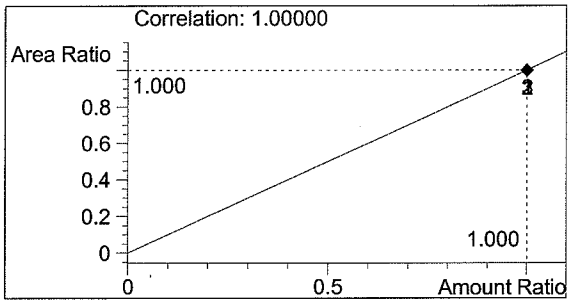


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3342	1.689

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sequence Parameters:

Operator:	dora schranz
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	080103D
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	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	BLANK	BLDALCO2	1	Sample		
2	2	0.079 CAL	BLDALCO2	1	Calib		
3	3	0.158 CAL	BLDALCO2	1	Calib		
4	4	0.316 CAL	BLDALCO2	1	Calib		
5	5	0.04 CONTROL	BLDALCO2	1	Ctrl Samp		
6	6	0.2 CONTROL	BLDALCO2	1	Ctrl Samp		
7	7	BLANK	BLDALCO2	1	Sample		
8	8	03026 1	BLDALCO2	1	Sample		
9	9	03026 2	BLDALCO2	1	Sample		
10	10	03026 3	BLDALCO2	1	Sample		
11	11	03026 4	BLDALCO2	1	Sample		
12	12	03026 5	BLDALCO2	1	Sample		
13	13	0.1 CONTROL	BLDALCO2	1	Ctrl Samp		
14	14	BLANK	BLDALCO2	1	Sample		

Calibration Part:

Line	Vial	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	2	0.079 CAL	BLDALCO2	1	Replace	Average	
3	3	0.158 CAL	BLDALCO2	2	Replace	Average	
4	4	0.316 CAL	BLDALCO2	3	Replace	Average	

Sequence Table (Back Injector):

No entries - empty table!

Sequence Summary Parameters:

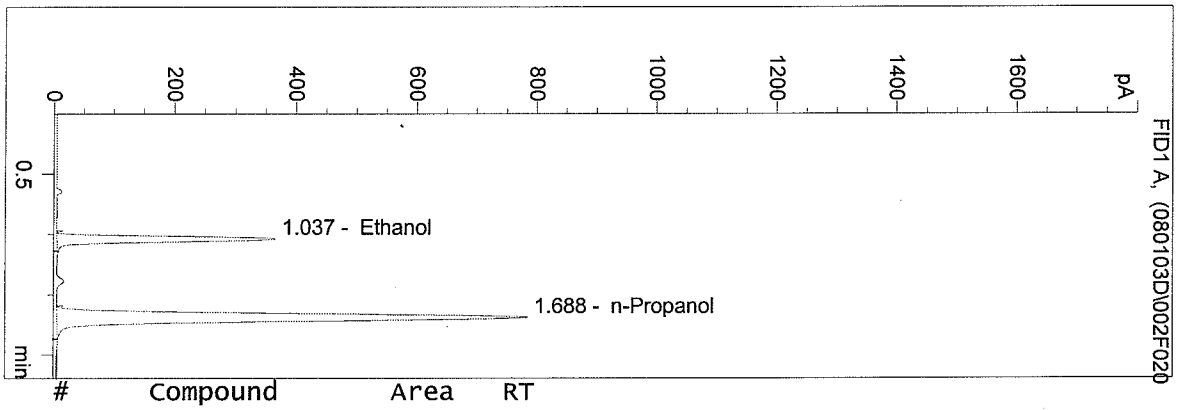
One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
8/1/03 2:45:25 PM
Instrument 2
ALC1

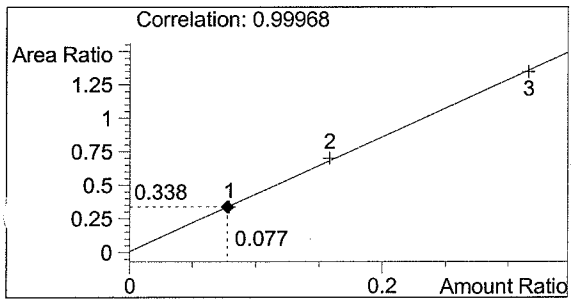
0.079 CAL
dora schranz

vial # 2

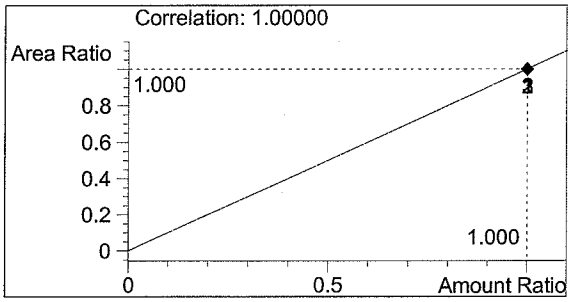


#	Compound	Area	RT
1	Ethanol	1116	1.037
2	n-Propanol	3304	1.688

Totals:



Ethanol 0.077 g/100ml



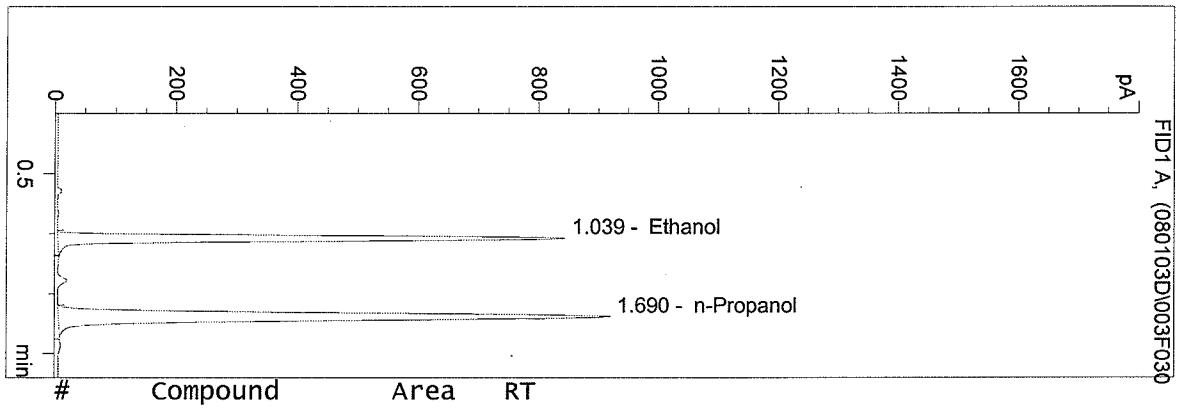
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
8/1/03 2:48:27 PM
Instrument 2
ALC1

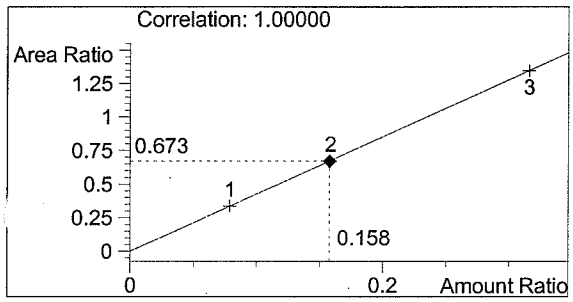
0.158 CAL
dora schranz

vial # 3

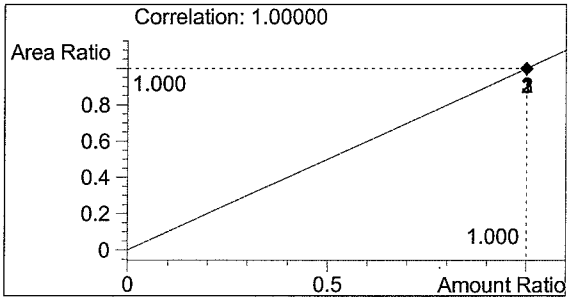


#	Compound	Area	RT
1	Ethanol	2612	1.039
2	n-Propanol	3881	1.690

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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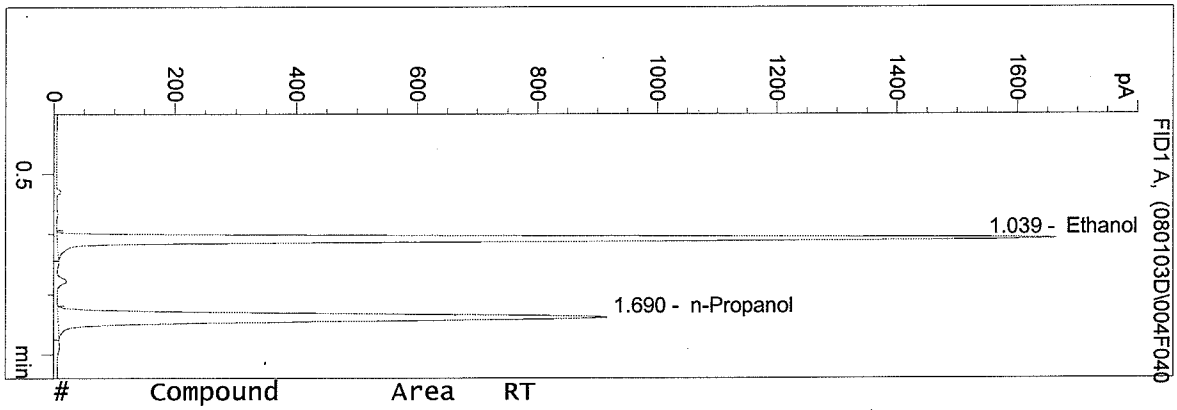
Instrument 2
ALC1

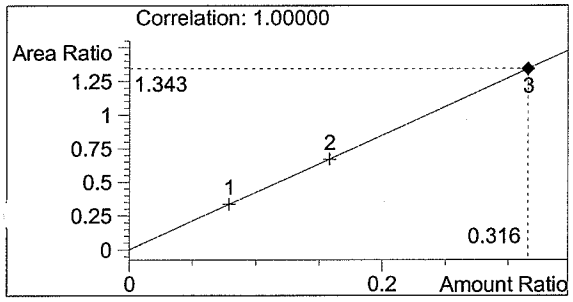
0.316 CAL
dora schranz

vial # 4

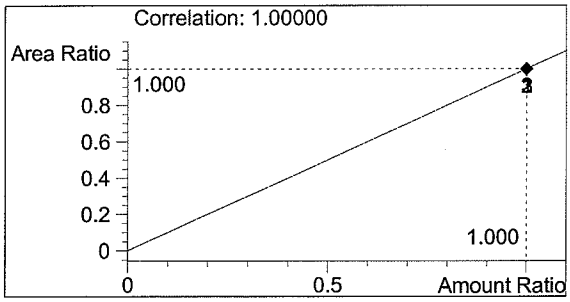


#	Compound	Area	RT
1	Ethanol	5163	1.039
2	n-Propanol	3845	1.690

Totals:



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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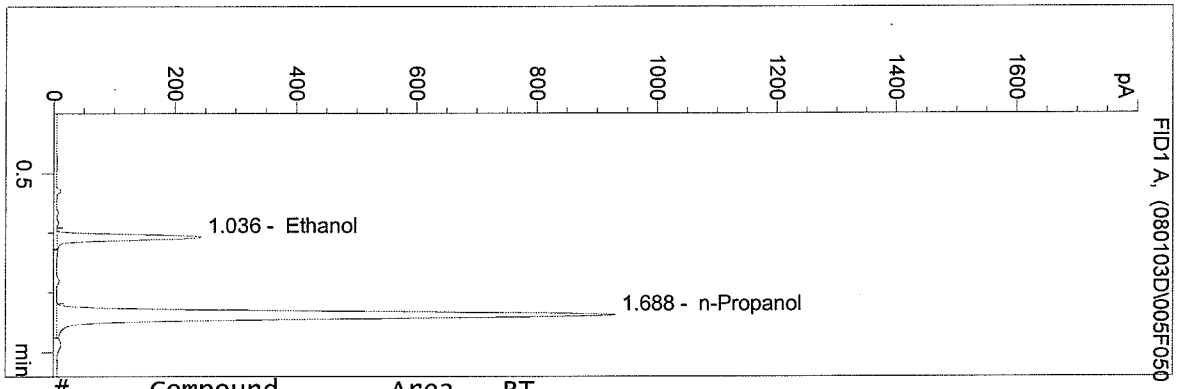
8/1/03 2:54:54 PM
Instrument 2
ALC1

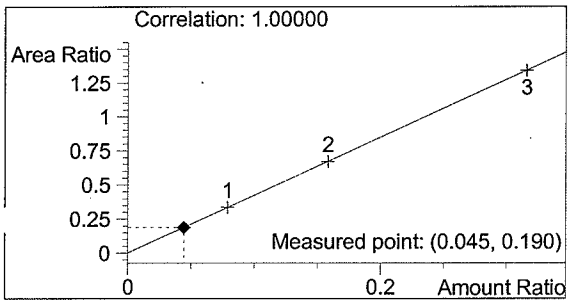
0.04 CONTROL
dora schranz

vial # 5

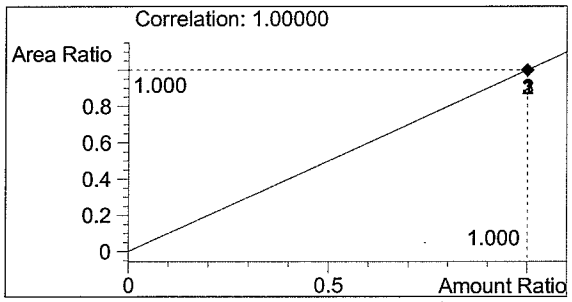


#	Compound	Area	RT
1	Ethanol	751	1.036
2	n-Propanol	3951	1.688

Totals:



Ethanol 0.045 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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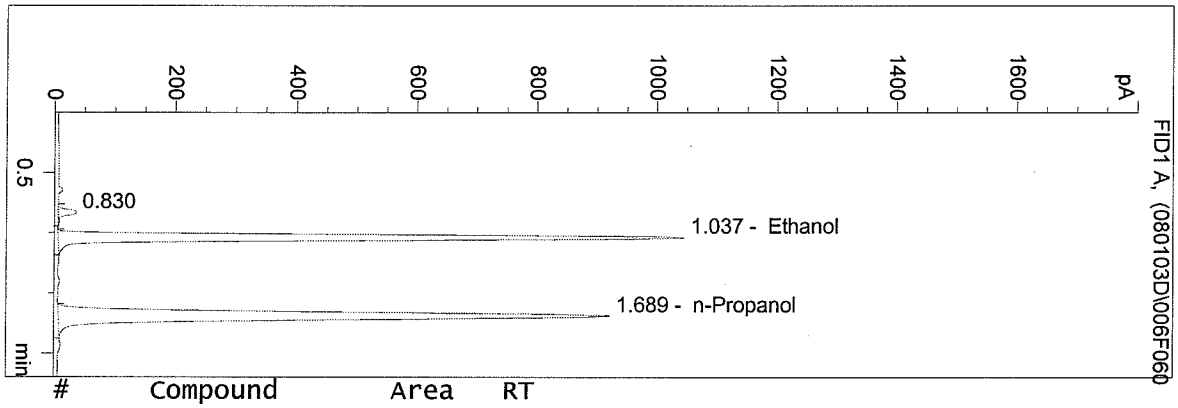
Instrument 2
ALC1

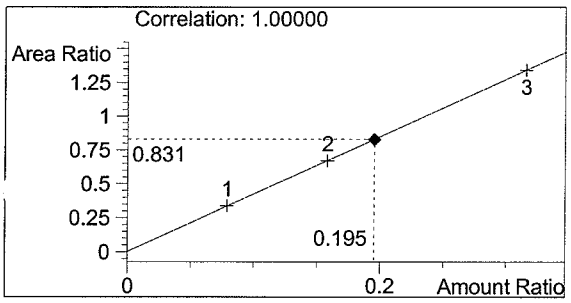
0.2 CONTROL
dora schranz

vial # 6

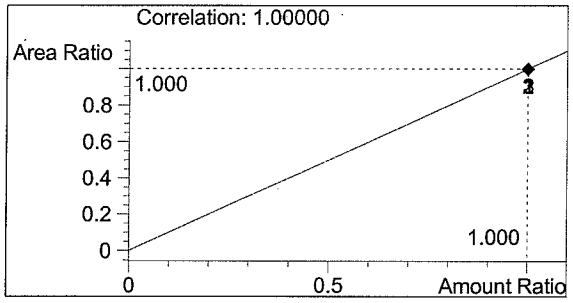


#	Compound	Area	RT
1		99	0.830
2	Ethanol	3229	1.037
3	n-Propanol	3888	1.689

Totals:



Ethanol 0.195 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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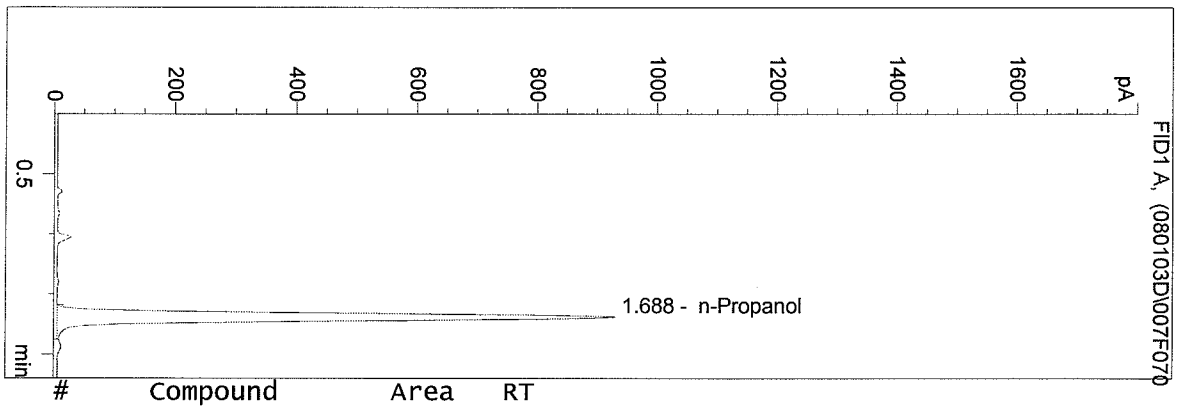
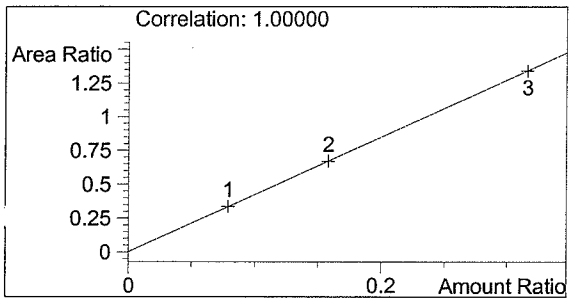
Instrument 2
ALC1

BLANK
dora schranz

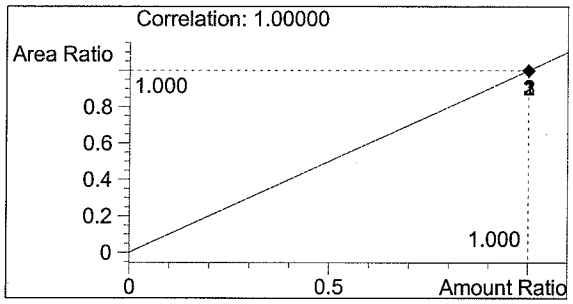
vial # 7



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3942	1.688
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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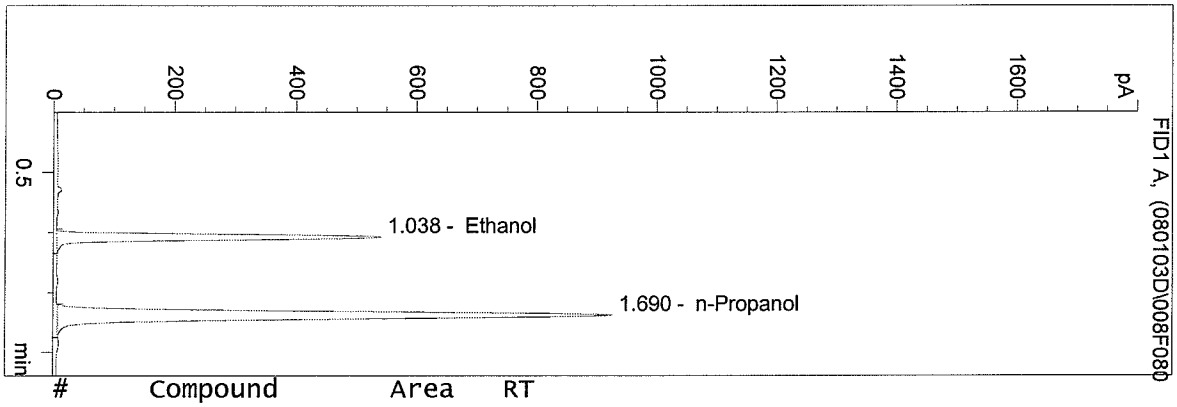
Instrument 2
ALC1

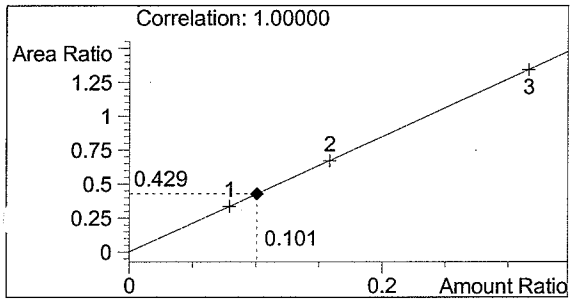
03026 1
dora schranz

vial # 8

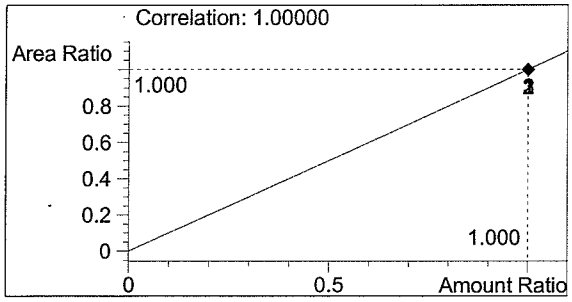


#	Compound	Area	RT
1	Ethanol	1667	1.038
2	n-Propanol	3885	1.690

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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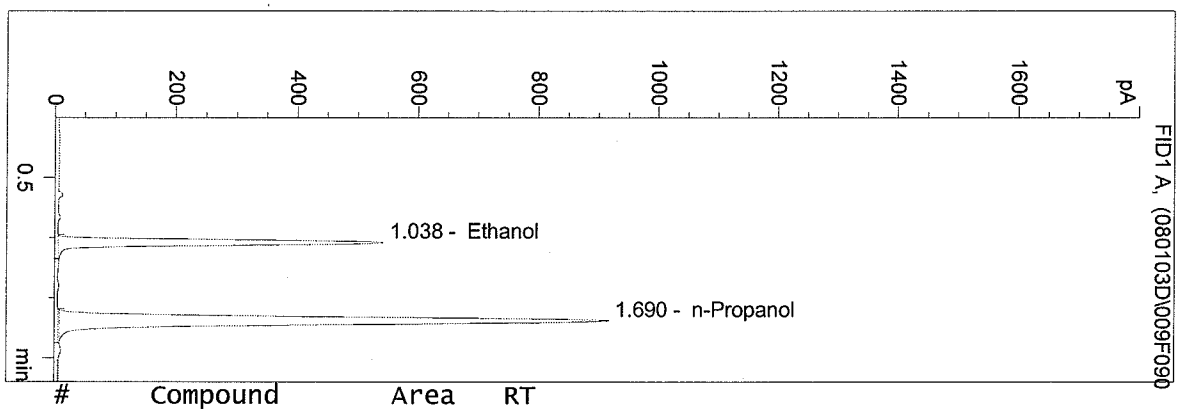
Instrument 2
ALC1

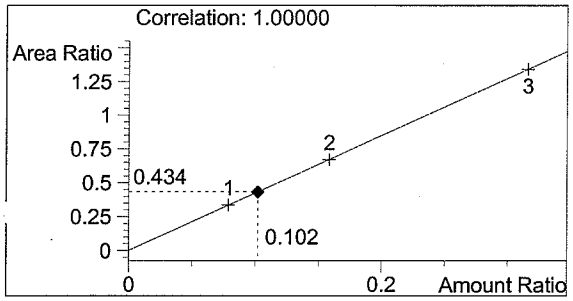
03026 2
dora schranz

vial # 9

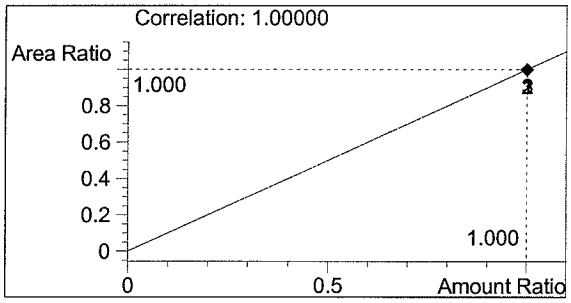


#	Compound	Area	RT
1	Ethanol	1674	1.038
2	n-Propanol	3856	1.690

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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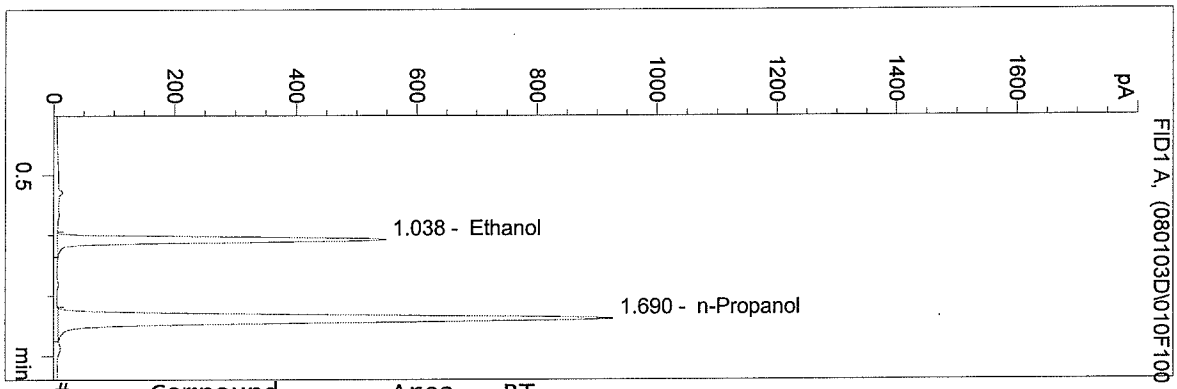
Instrument 2
ALC1

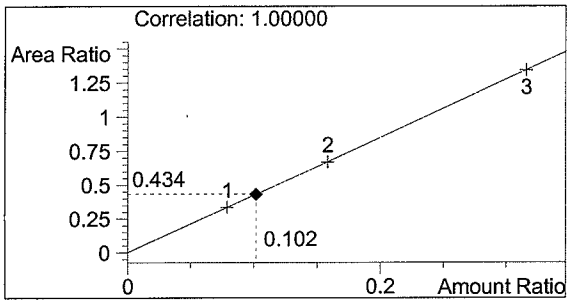
03026 3
dora schranz

vial # 10

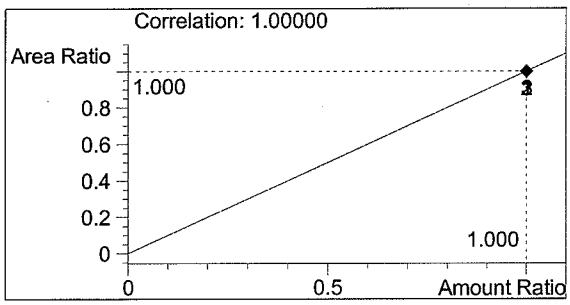


#	Compound	Area	RT
1	Ethanol	1693	1.038
2	n-Propanol	3904	1.690

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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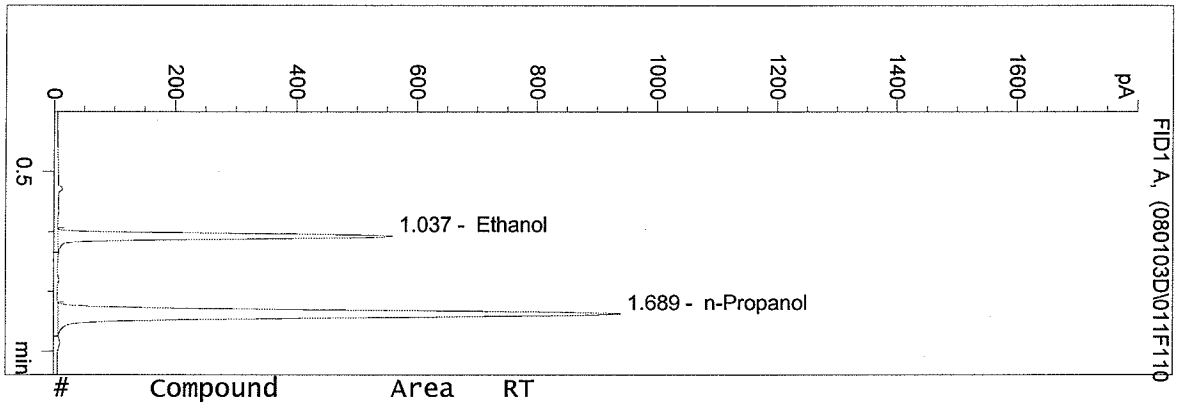
8/1/03 3:13:23 PM
Instrument 2
ALC1

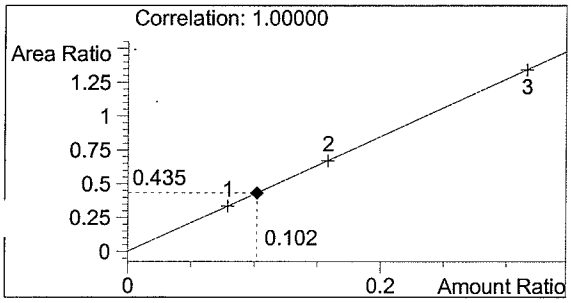
03026 4
dora schranz

vial # 11

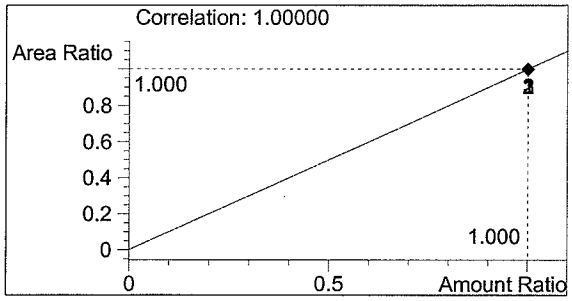


#	Compound	Area	RT
1	Ethanol	1721	1.037
2	n-Propanol	3957	1.689

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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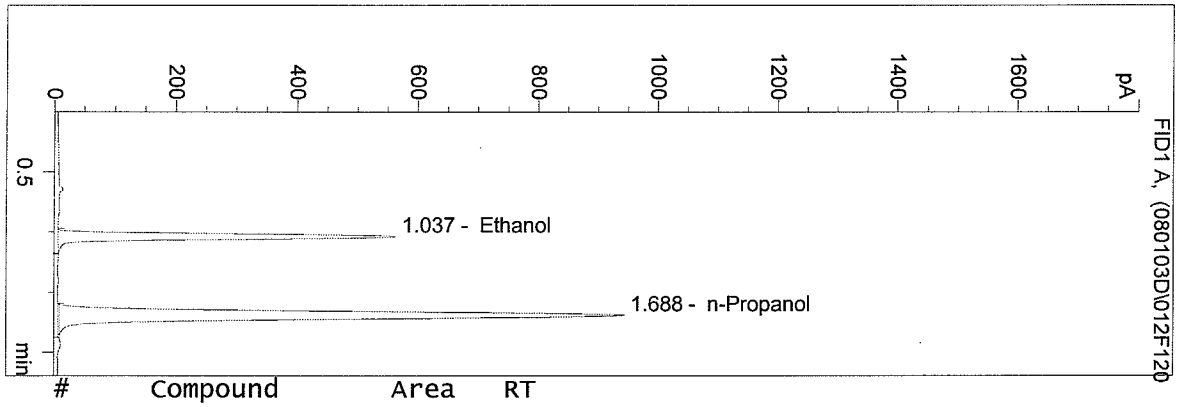
8/1/03 3:16:25 PM
Instrument 2
ALC1

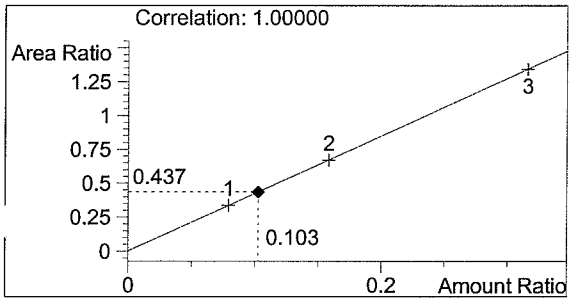
03026 5
dora schranz

vial # 12

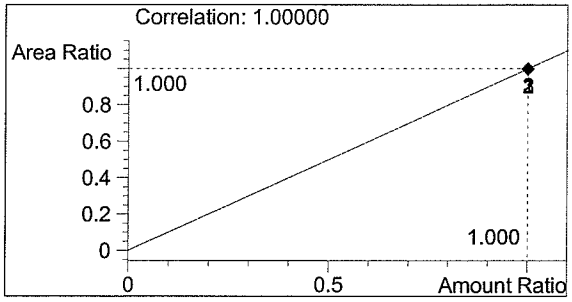


#	Compound	Area	RT
1	Ethanol	1733	1.037
2	n-Propanol	3963	1.688

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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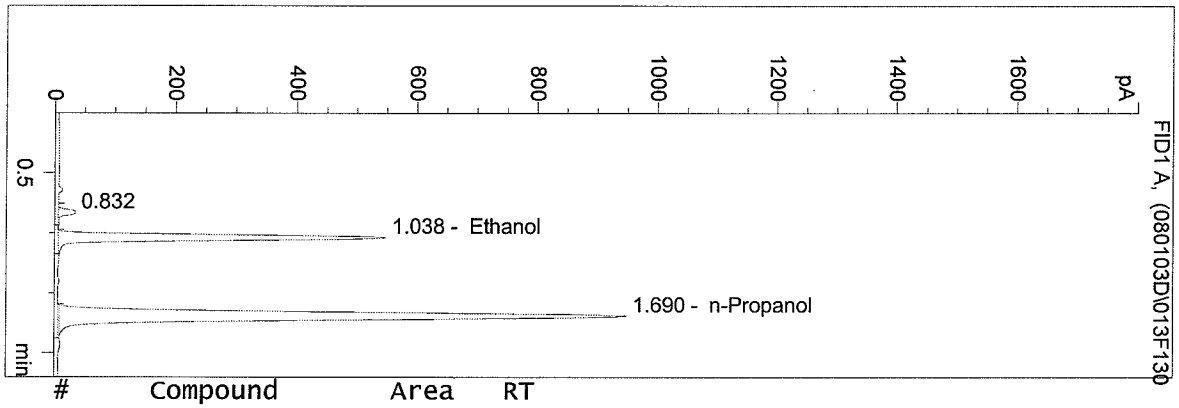
8/1/03 3:19:44 PM
Instrument 2
ALC1

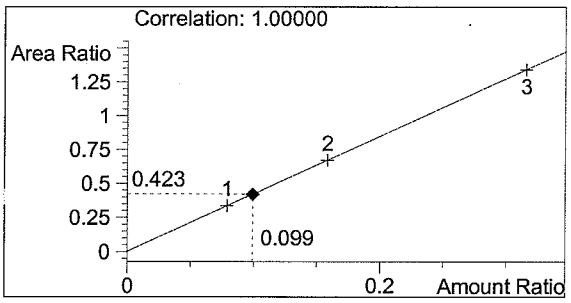
0.1 CONTROL
dora schranz

vial # 13

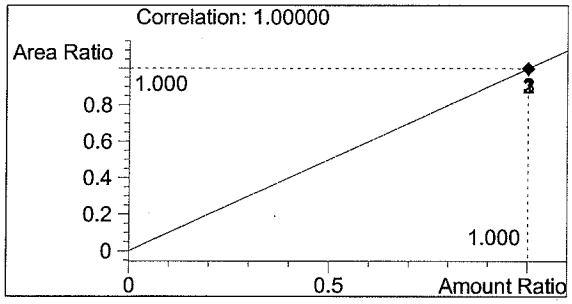


#	Compound	Area	RT
1		94	0.832
2	Ethanol	1687	1.038
3	n-Propanol	3990	1.690

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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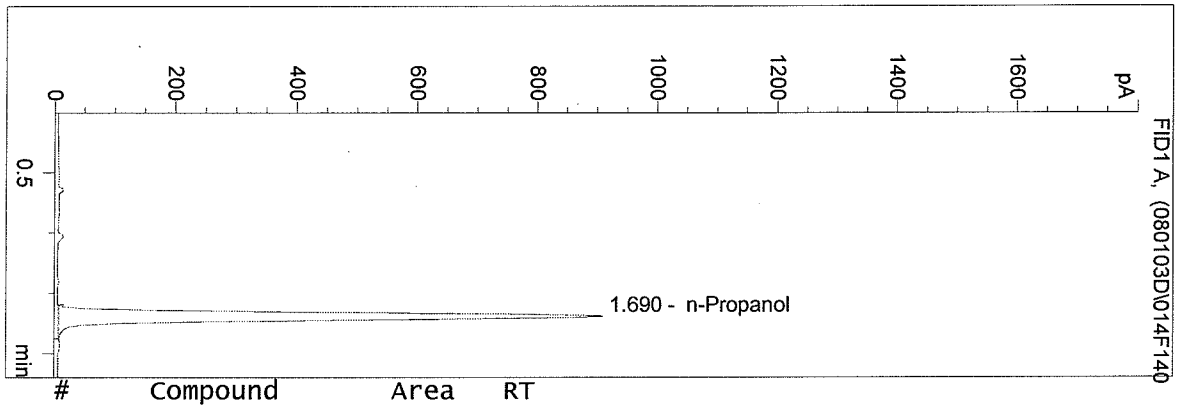
Instrument 2
ALC1

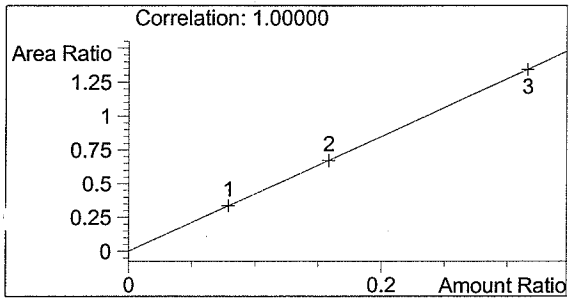
BLANK
dora schranz

vial # 14

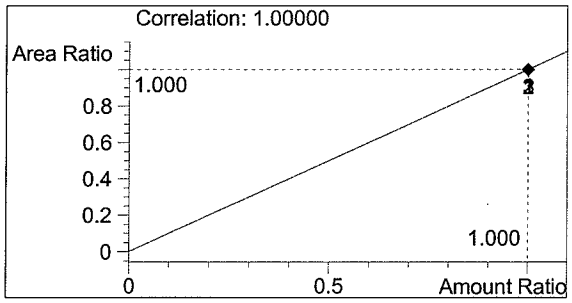


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3819	1.690

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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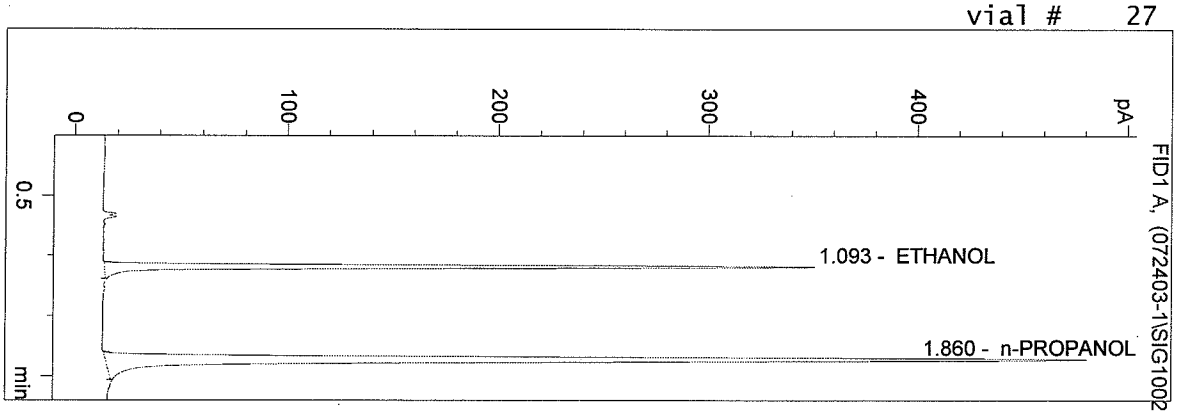
Instrument 3
ALC2

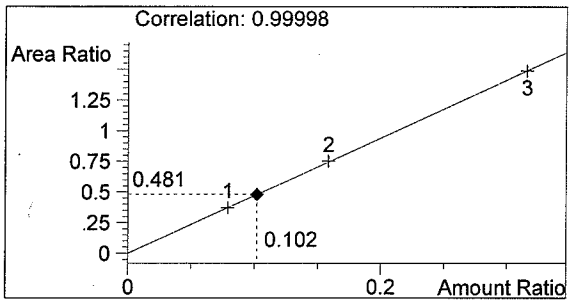
03026-1 SIM
Ann Marie Gordon

vial # 27

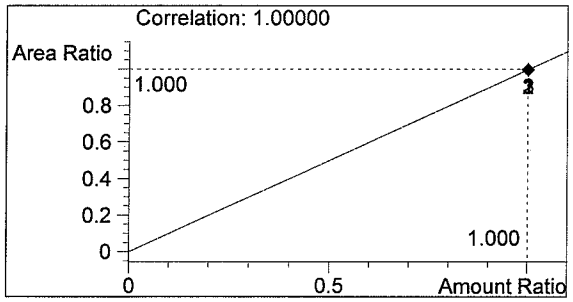


#	Compound	Area	RT
1	ETHANOL	637	1.093
2	n-PROPANOL	1323	1.860

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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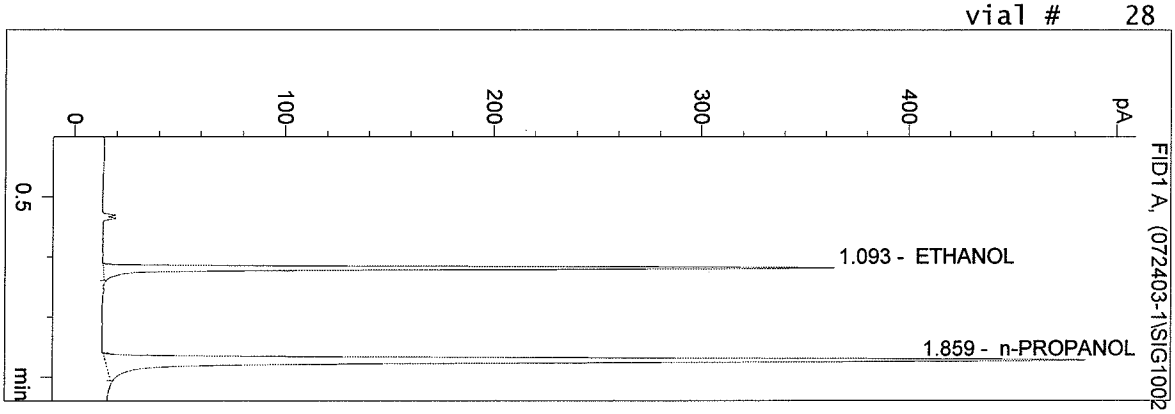
7/24/03 1:49:36 PM
Instrument 3
ALC2

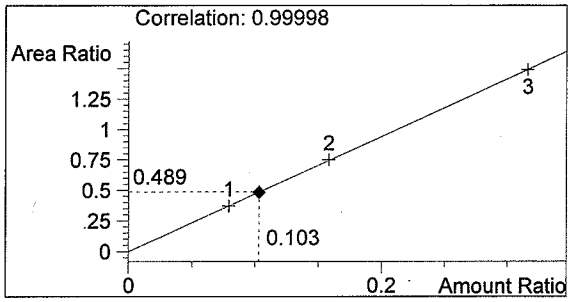
03026-2 SIM
Ann Marie Gordon

vial # 28

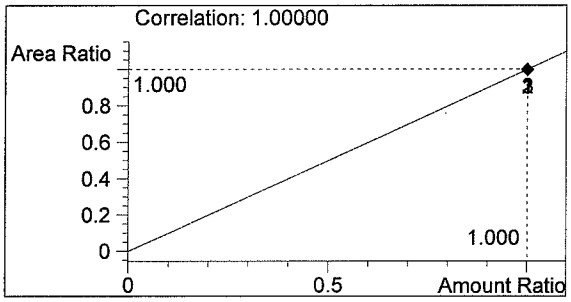


#	Compound	Area	RT
1	ETHANOL	653	1.093
2	n-PROPANOL	1337	1.859

Totals:



ETHANOL 0.103 g/100mL



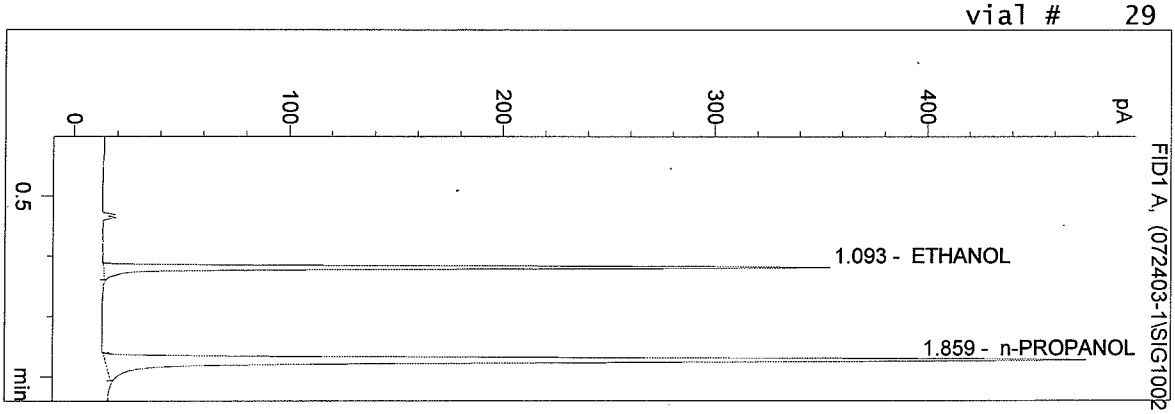
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
7/24/03 1:52:46 PM
Instrument 3
ALC2

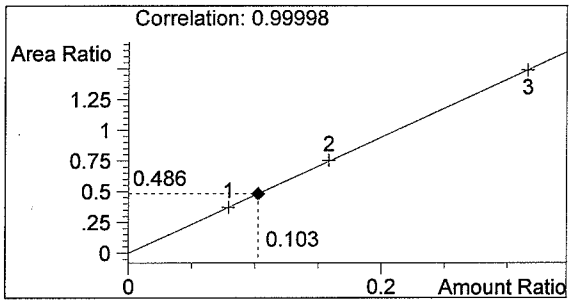
03026-3 SIM
Ann Marie Gordon

vial # 29

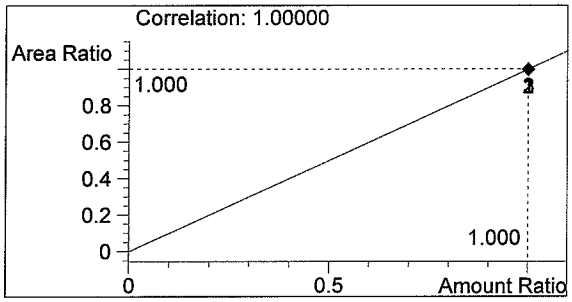


#	Compound	Area	RT
1	ETHANOL	632	1.093
2	n-PROPANOL	1302	1.859

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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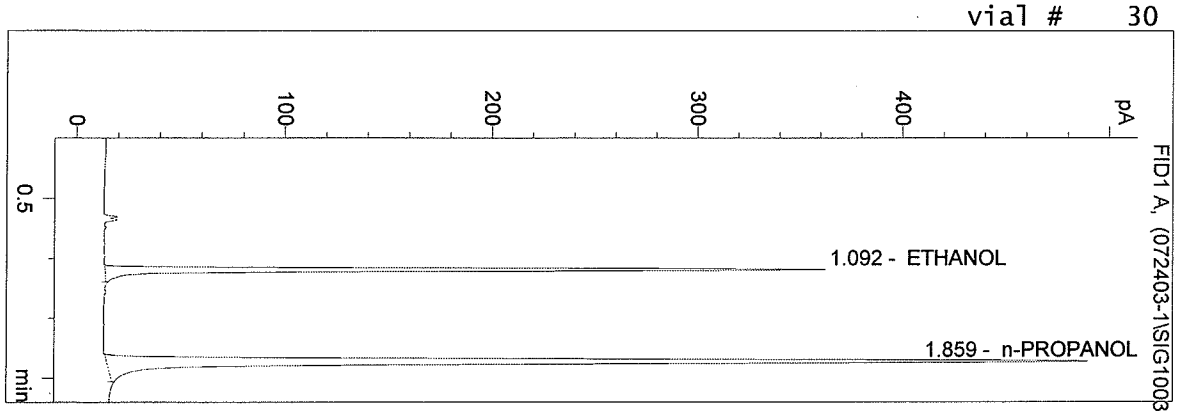
7/24/03 1:55:50 PM
Instrument 3
ALC2

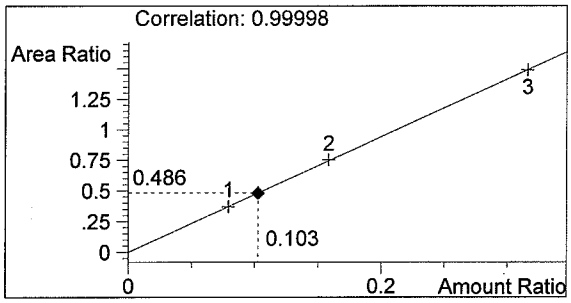
03026-4 SIM
Ann Marie Gordon

vial # 30

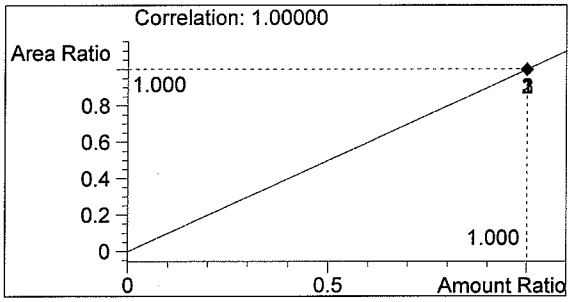


#	Compound	Area	RT
1	ETHANOL	656	1.092
2	n-PROPANOL	1350	1.859

Totals:



ETHANOL 0.103 g/100mL



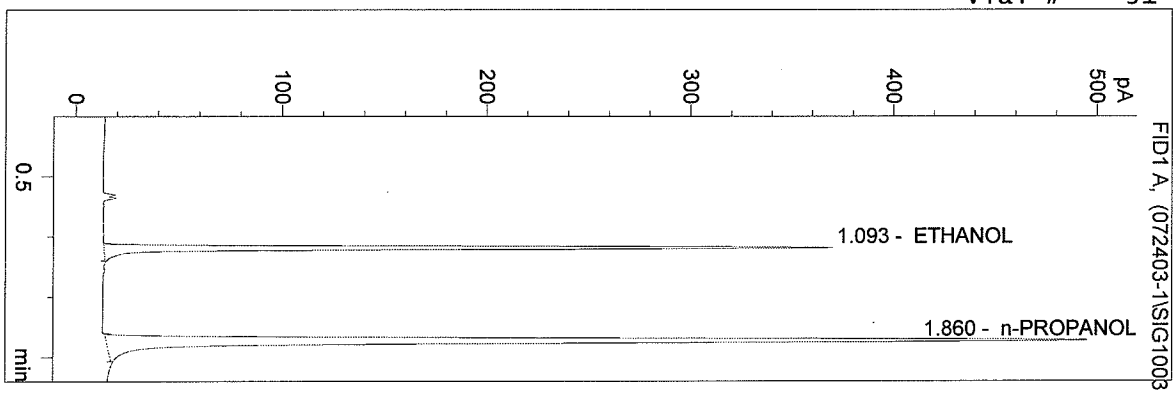
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
7/24/03 1:58:55 PM
Instrument 3
ALC2

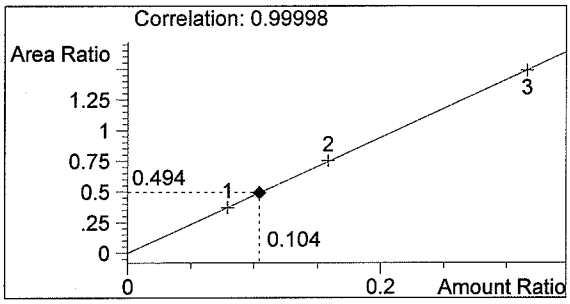
02026-5 SIM
Ann Marie Gordon

vial # 31

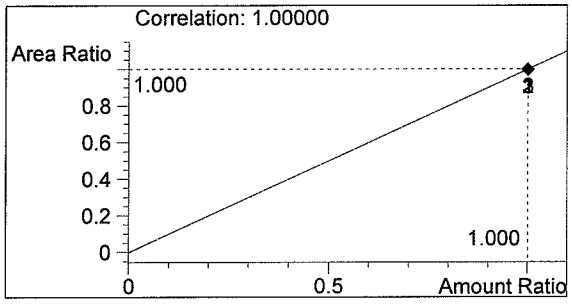


#	Compound	Area	RT
1	ETHANOL	674	1.093
2	n-PROPANOL	1363	1.860

Totals:



ETHANOL 0.104 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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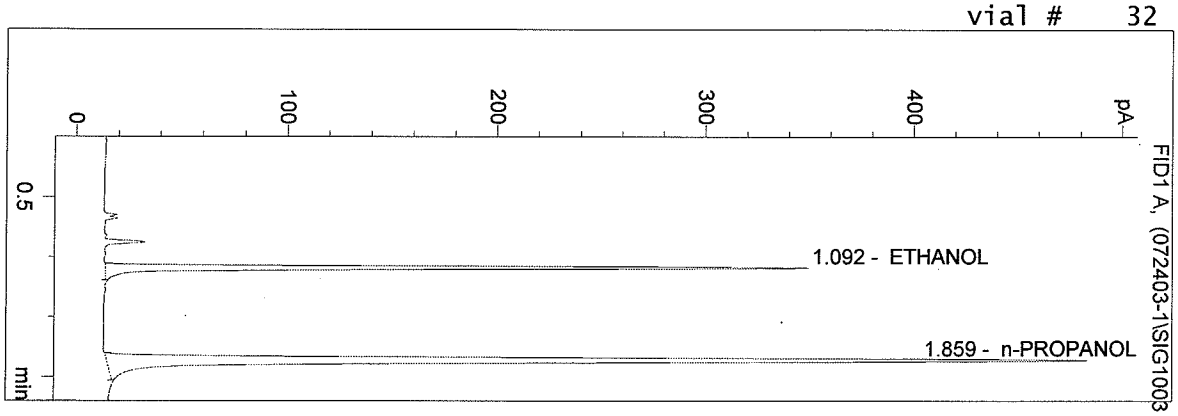
Instrument 3
ALC2

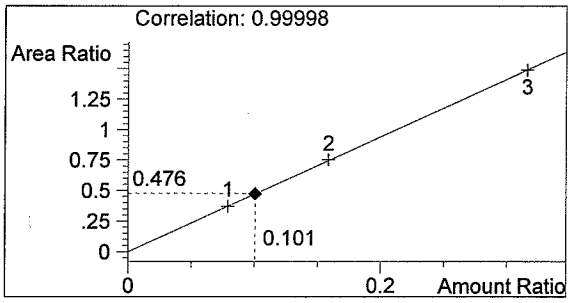
0.100 CTRL
Ann Marie Gordon

vial # 32

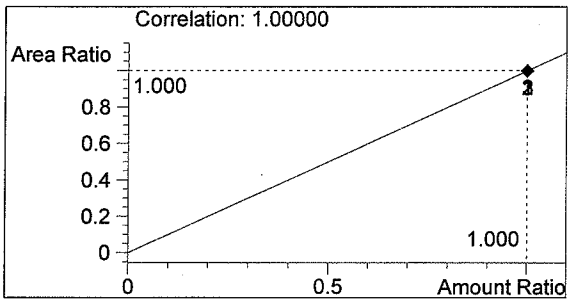


#	Compound	Area	RT
1	ETHANOL	634	1.092
2	n-PROPANOL	1333	1.859

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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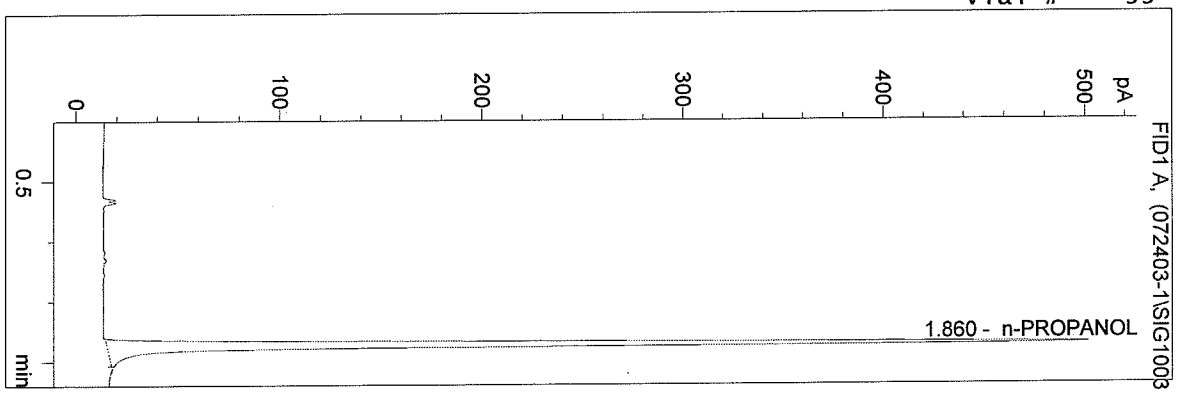
7/24/03 2:05:10 PM
Instrument 3
ALC2

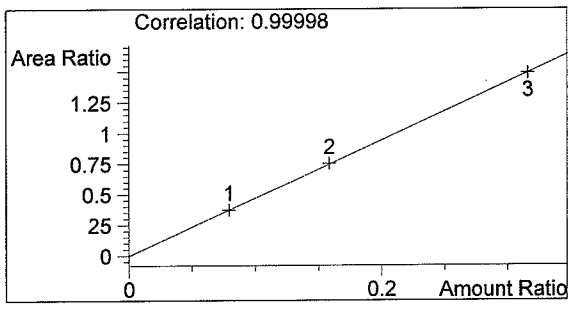
BLANK
Ann Marie Gordon

vial # 33

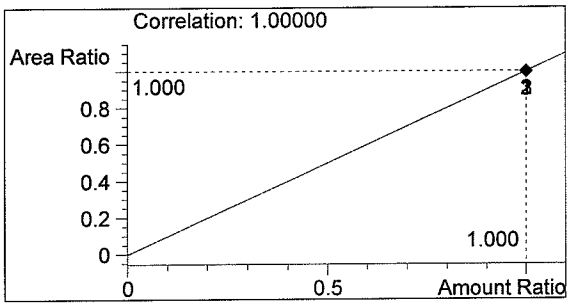


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1375	1.860

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL