Notice of Simulator Solution File Review

At the request of the State Toxicologist a review of the following simulator solution records has been accomplished. The following file consists of simulator solution analyses performed and completed by the State Toxicology Laboratory for a specific batch number. The file contains the simulator solution data entry form along with a file review record and the chromatograms generated by the Toxicology Laboratory during the analyses of the solutions. This file has been reviewed by Tpr. Ken Denton and Mr. Rod Gullberg for accuracy and completeness. Where computations regarding simulator solution values have been found to be incorrect, the corrected values have been written in by Mr. Rod Gullberg along with initials and date. The corrected values were then evaluated to ensure that the solution still conformed to those standards established by the State Toxicologist.

Where computation values changed for a specific batch number, the analysts employed by the State Toxicology Laboratory were asked to review the revisions, ensure the solution complied with the criteria established by the State Toxicologist and then re-sign their affidavit. Their signature will appear on their original affidavit along with a statement regarding their review of the results.

Where a dating error occurred that analyst will have made the correction on the original data form including their initials and date and then re-signed their original affidavit.

K.L.D 10/15/2007

Tpr. Ken Denton Date

R.G. Gullberg 10-15-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

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

Location TOX LAB SEATTLE Batch Number 05023

Form Review Criteria

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

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

All signatures present: Okay X Not Okay ___

Computations:

Avg. solution concentration: Correct X Not Correct ___

Standard deviation: Correct ___ Not Correct X

Range: Correct ___ Not Correct X

Precision: Correct ___ Not Correct X

Equivalent vapor concent.: Correct X Not Correct ___

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

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

Corrections Necessary:

Comments:

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

Reviewer Signature: K.L.T. Date: 10/8/2007

9/26/2007

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 **05023** Date: 6/24/2005

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	0.103	0.103	0.102	0.103	0.102	0.101	0.102	0.102	0.101	0.100	0.099	
2	0.105	0.104	0.102	0.103	0.102	0.102	0.102	0.102	0.102	0.099	0.099	
3	0.102	0.103	0.103	0.103	0.102	0.102	0.103	0.106	0.102	0.099	0.099	
4	0.102	0.103	0.102	0.103	0.102	0.102	0.102	0.103	0.101	0.099	0.099	
5	0.102	0.103	0.102	0.103	0.102	0.102	0.102	0.102	0.102	0.100	0.099	
Ctrl	0.101	0.101	0.101	0.100	0.100	0.100	0.100	0.100	0.099	0.098	0.098	

External Control:

Lot #: A028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

Statistics: 10-11-07

Avg. solution concent.: 0.1018 g/100 mL

SD: ~~0.00152~~ 0.00151 (0.0973)

Range (3xSD): ~~0.0972~~ to ~~0.1064~~ 0.1063

Precision CV (%): ~~1.4913~~ 1.4857 %

Equivalent vapor concent.: 0.0828 g/210L

Analyst	Name	Signature	Date
1	Brian Capron		06/24/2005
2	Jayne E. Clarkson		06/25/2005
3	Naziha Nuwayhid, PhD		06/28/2005
4	William P Marshall		06/29/2005
5	Kari Gruendell		06/29/2005
6	Edward Formoso		06/30/2005
7	Ann Marie Gordon		06/30/2005
8	Estuardo J. Miranda		06/30/2005
9	Mary E Wilson		07/01/2005
10	Melissa Pemberton		07/05/2005
11	Kelly D. Gross		07/05/2005
12			

Prepared by: Brian Capron according to the approved protocol

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DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Brian Capron, 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 DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and eight years of experience in forensic toxicology.

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Brian Capron
Brian Capron
Forensic Toxicologist

BC/la
BCSIMSOL

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

Brian Capron 10-11-07

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DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Jayne E. Clarkson, 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 DataMaster 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 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Jayne E. Clarkson
Forensic Toxicologist

JEC/la
JCSIMSOL

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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 DataMaster breath test instrument.

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

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/la
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.

10/12/07

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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 DataMaster 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 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05 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 6/24/06.

Dated: 7/21/05
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/la
WMSIMSOL

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DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Kari D. Gruendell, 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 DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology and a minor in Chemistry and two years of analytical laboratory experience.

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Kari Gruendell
Kari D. Gruendell
Forensic Toxicologist

KDG/la
KDGSIMSOL

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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 DataMaster 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 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/la
EFSIMSOL

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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 DataMaster breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and seven years experience in Forensic Toxicology.

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/la
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.

10-15-2007

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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 DataMaster breath test instrument.

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

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/la
MEWSIMSOL

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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 DataMaster 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 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/la
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 Pemberton 10-11-08

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DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Kelly D. Gross, 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 DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Chemistry and fifteen years of forensic laboratory experience.

The simulator solution, Lot Number 05023, was prepared in the Washington State Toxicology Laboratory on 6/24/05. 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 6/24/06.

Dated: 7/21/05
Seattle, WA

Kelly D. Gross
Forensic Toxicologist

KDG/la
KGSIMSOL

Sequence Parameters:

Operator:	bcapron
Data File Naming:	Auto
Data Directory:	D:\HPCHEM\1\DATA\
Data Subdirectory:	050624B
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	05023 sim	BLDALCO	1	Sample		
2	Vial 2	05023 sim	BLDALCO	1	Sample		
3	Vial 3	05023 sim	BLDALCO	1	Sample		
4	Vial 4	05023 sim	BLDALCO	1	Sample		
5	Vial 5	05023 sim	BLDALCO	1	Sample		
6	Vial 6	0.10 control	BLDALCO	1	Ctrl Samp		
7	Vial 7	blank	BLDALCO	1	Sample		

Sequence Table (Back Injector):

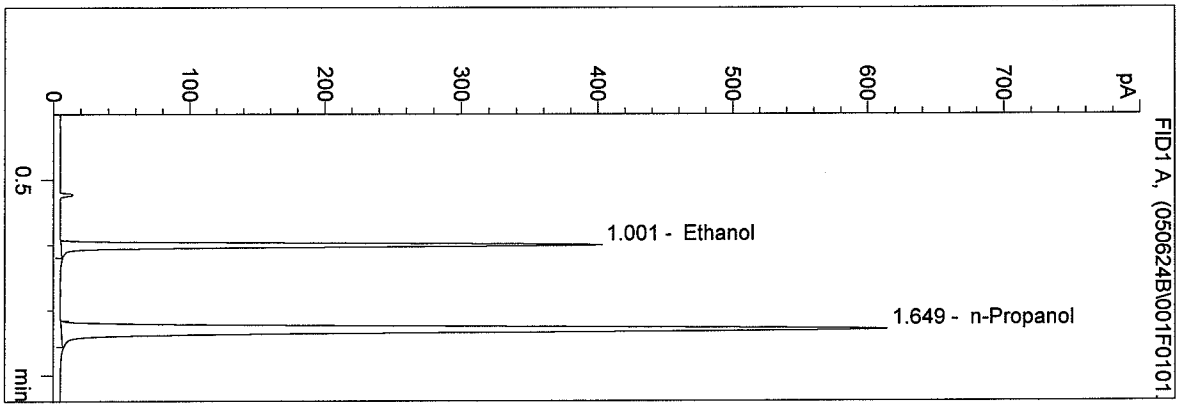
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 1:52:12 PM
Instrument 4
DB-ALC1

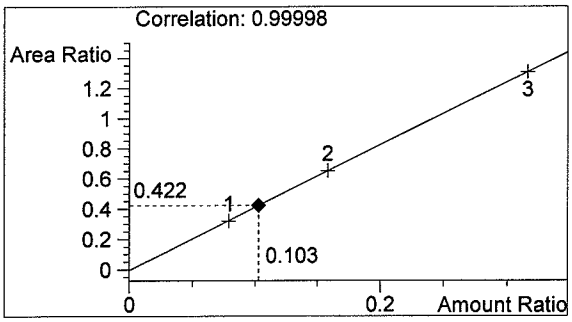
05023 sim
bcapron

vial # 1

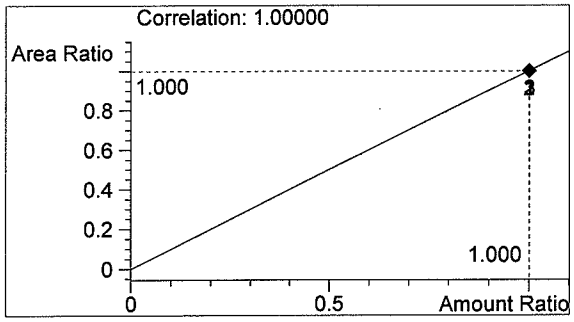


#	Compound	Area	RT
1	Ethanol	807	1.001
2	n-Propanol	1912	1.649

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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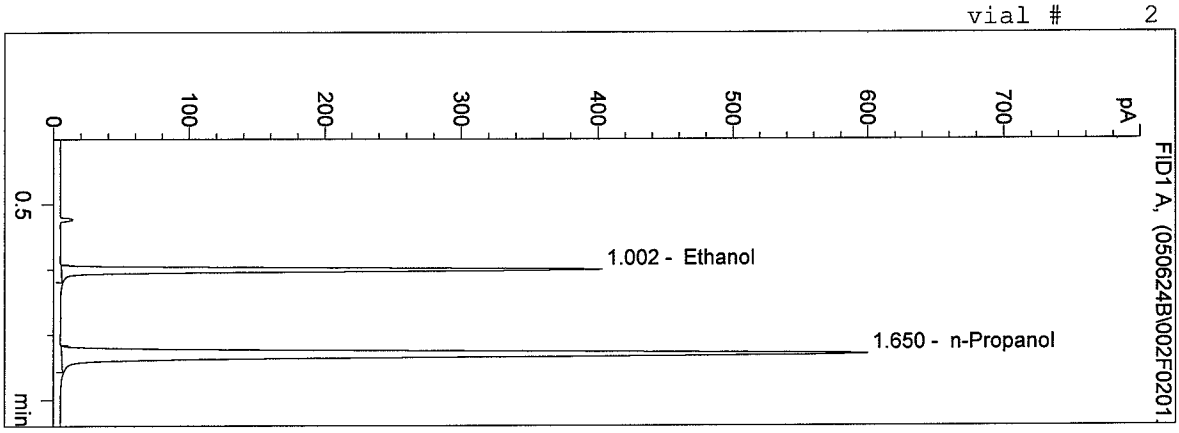
6/24/2005 1:55:29 PM
Instrument 4
DB-ALC1

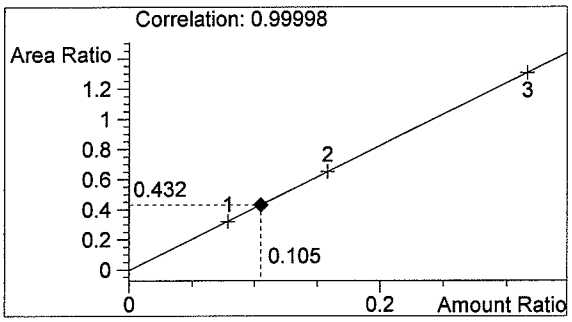
05023 sim
bcapron

vial # 2

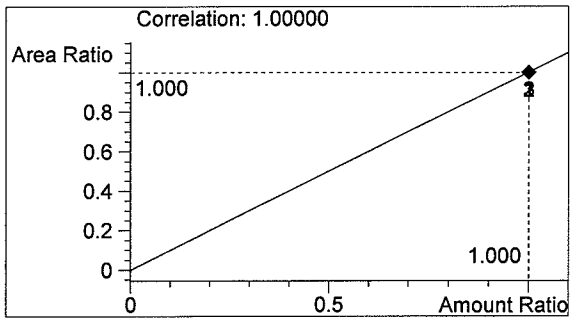


#	Compound	Area	RT
1	Ethanol	806	1.002
2	n-Propanol	1867	1.650

Totals:



Ethanol 0.105 g/100ml



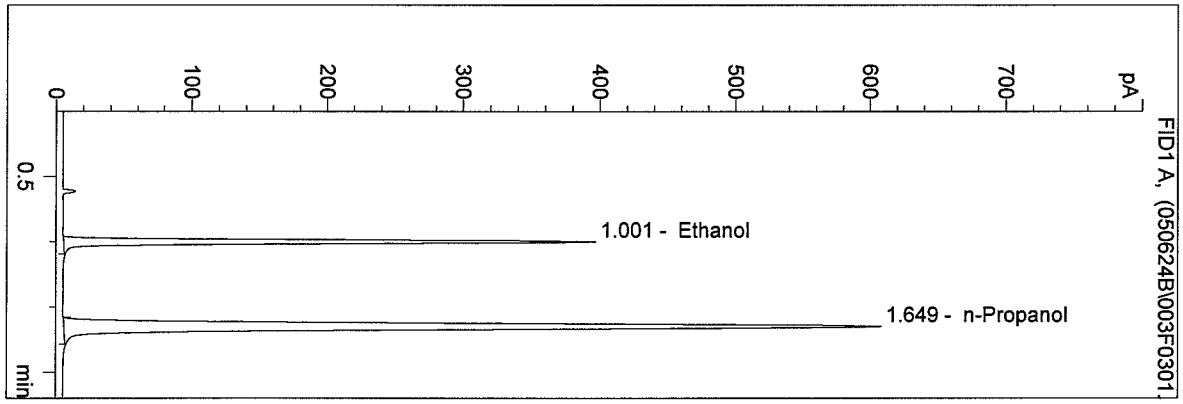
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 1:58:45 PM
Instrument 4
DB-ALC1

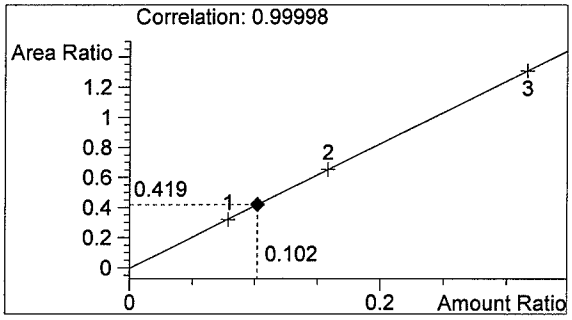
05023 sim
bcapron

vial # 3

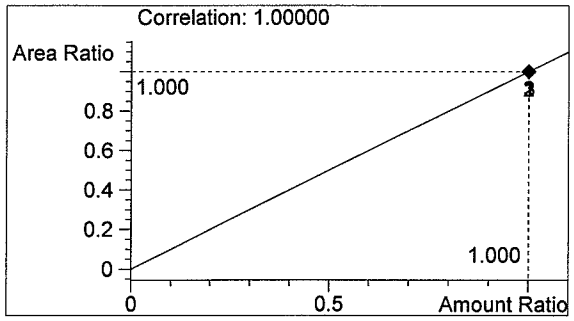


#	Compound	Area	RT
1	Ethanol	795	1.001
2	n-Propanol	1896	1.649

Totals:



Ethanol 0.102 g/100ml



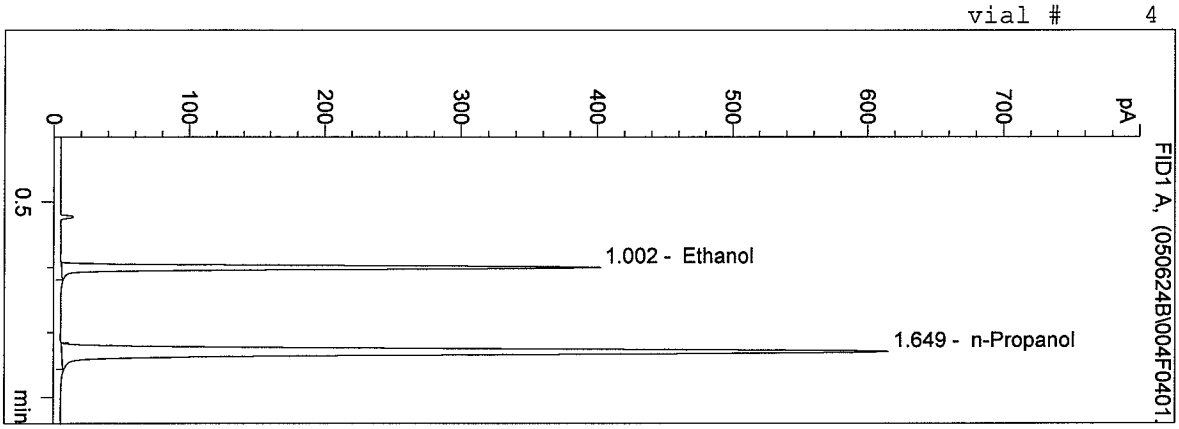
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 2:01:57 PM
Instrument 4
DB-ALC1

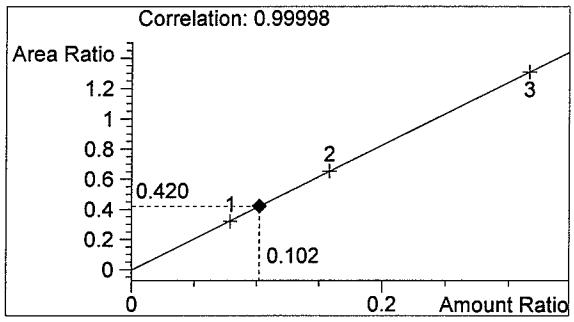
05023 sim
bcapron

vial # 4

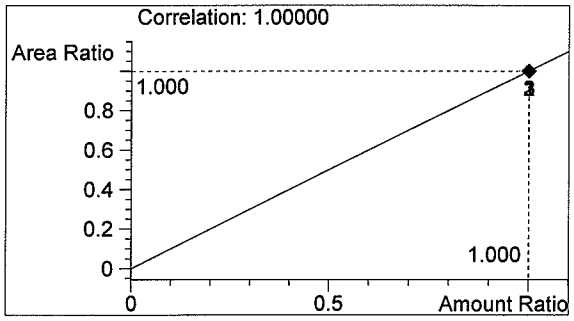


#	Compound	Area	RT
1	Ethanol	805	1.002
2	n-Propanol	1917	1.649

Totals:



Ethanol 0.102 g/100ml



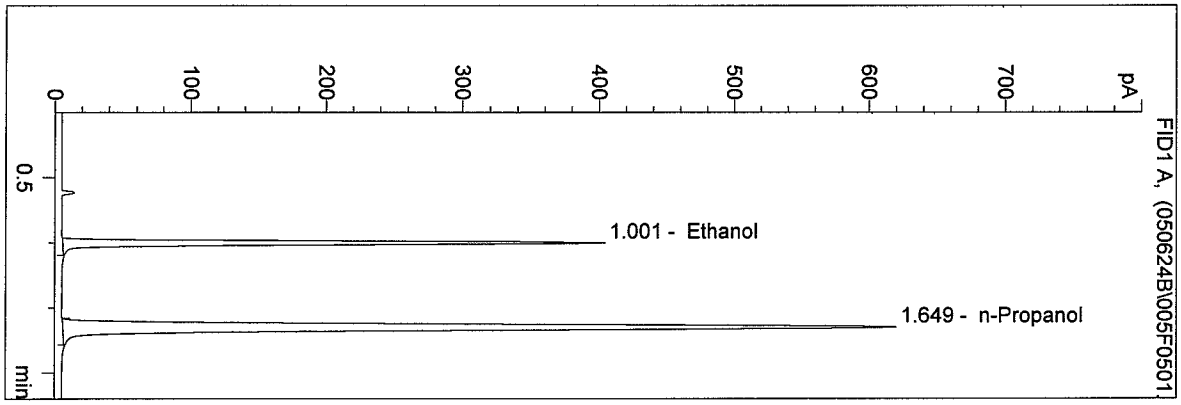
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 2:05:07 PM
Instrument 4
DB-ALC1

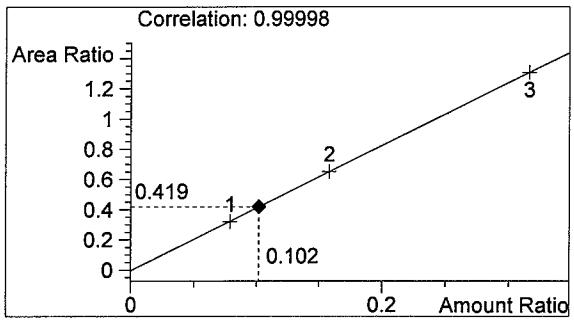
05023 sim
bcapron

vial # 5

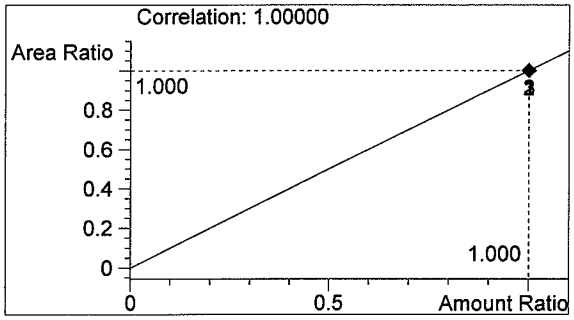


#	Compound	Area	RT
1	Ethanol	809	1.001
2	n-Propanol	1931	1.649

Totals:



Ethanol 0.102 g/100ml



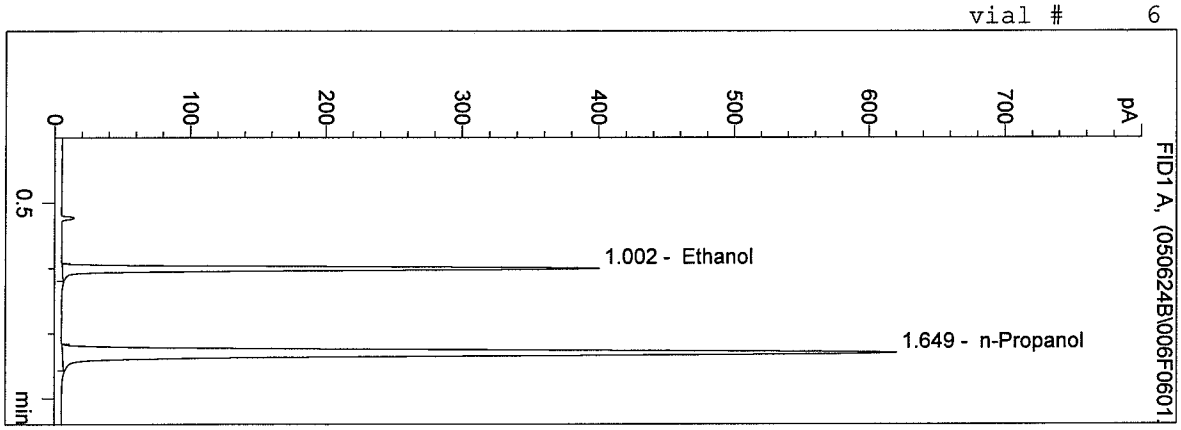
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 2:08:18 PM
Instrument 4
DB-ALC1

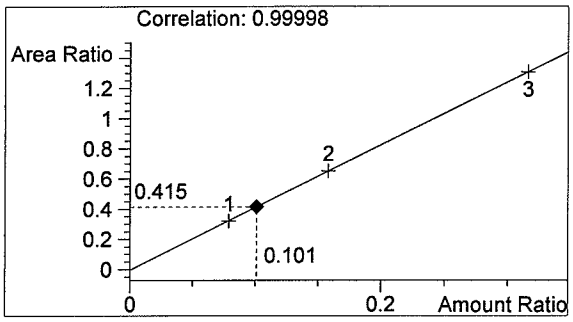
0.10 control
bcapron

vial # 6

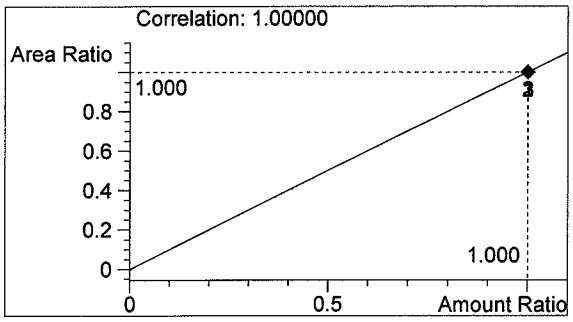


#	Compound	Area	RT
1	Ethanol	802	1.002
2	n-Propanol	1931	1.649

Totals:



Ethanol 0.101 g/100ml



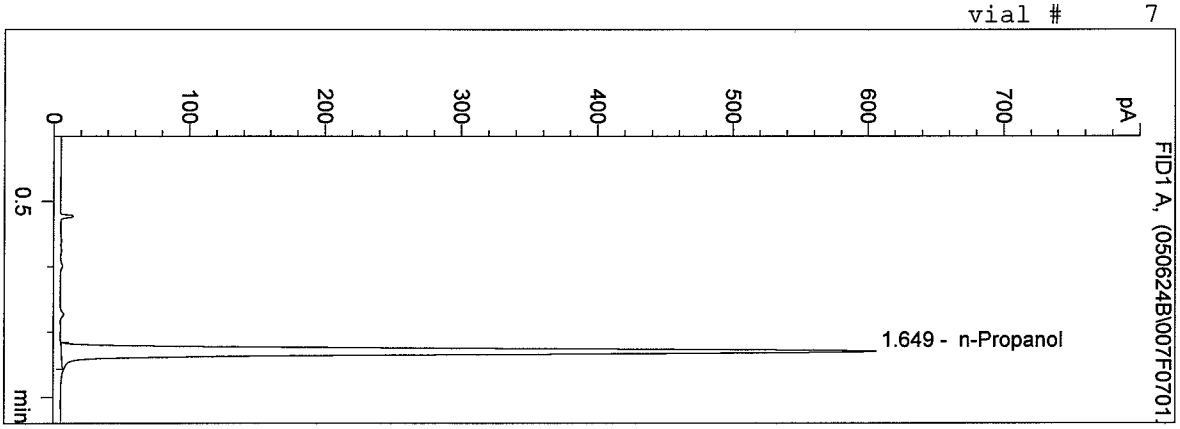
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/24/2005 2:13:57 PM
Instrument 4
DB-ALC1

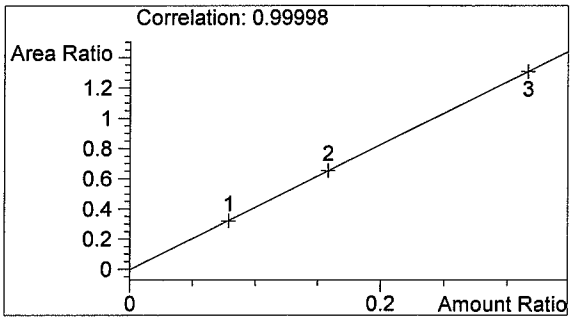
blank
bcapron

vial # 7

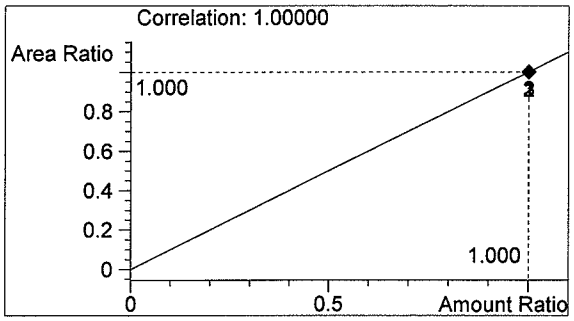


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1889	1.649

Totals:



Ethanol 0.000 g/100ml



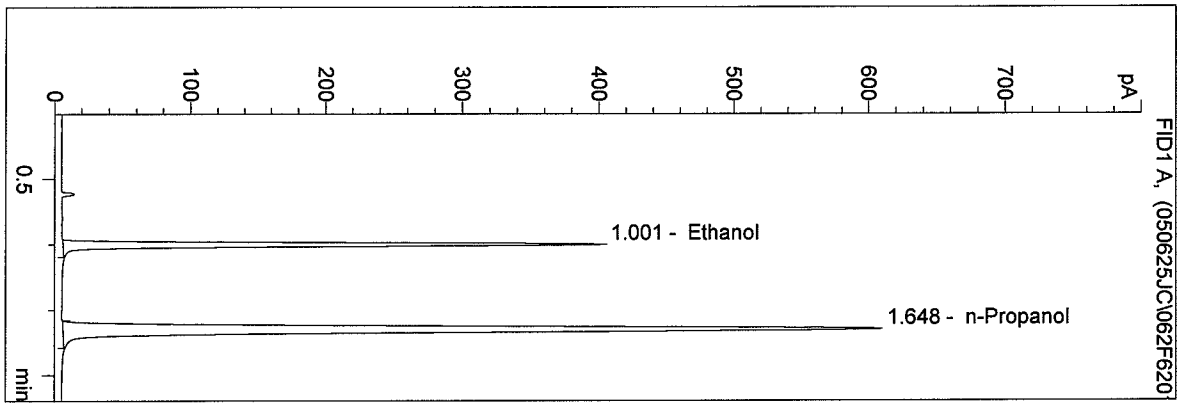
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/25/2005 3:25:49 PM
Instrument 4
DB-ALC1

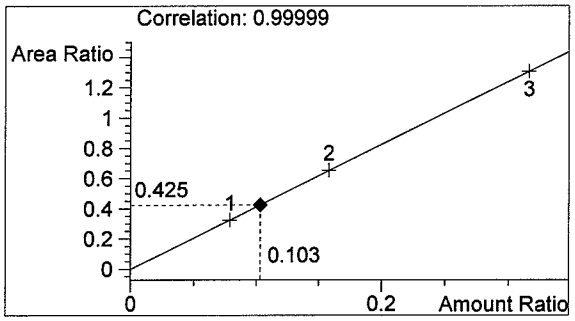
SimSoln 05023
Jayne E. Clarkson

vial # 62

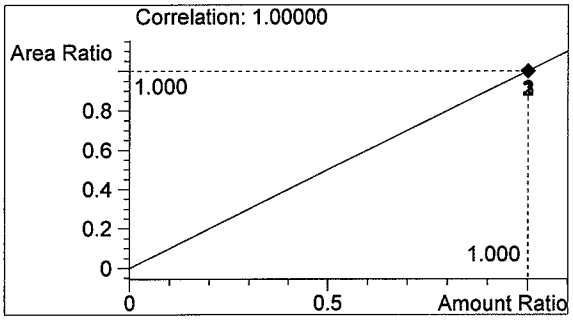


#	Compound	Area	RT
1	Ethanol	806	1.001
2	n-Propanol	1897	1.648

Totals:



Ethanol 0.103 g/100ml



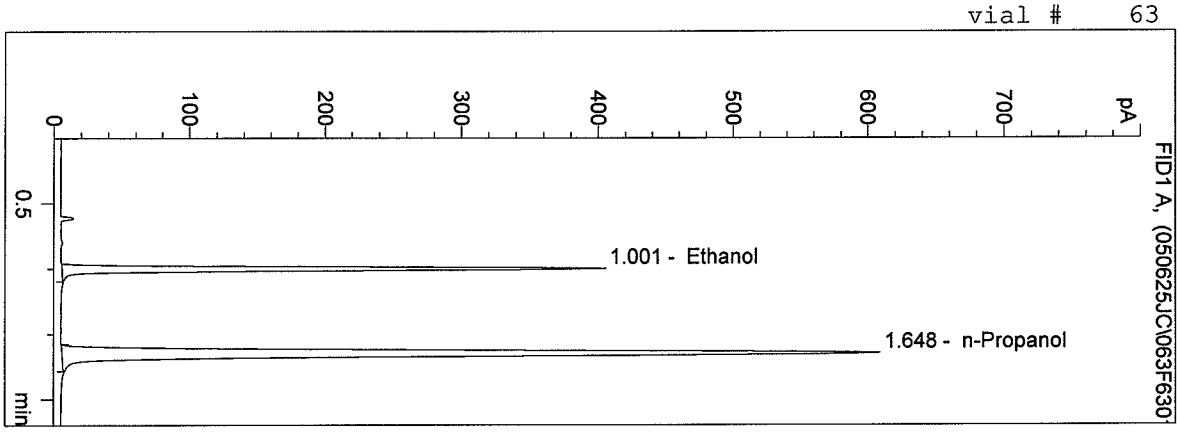
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/25/2005 3:29:05 PM
Instrument 4
DB-ALC1

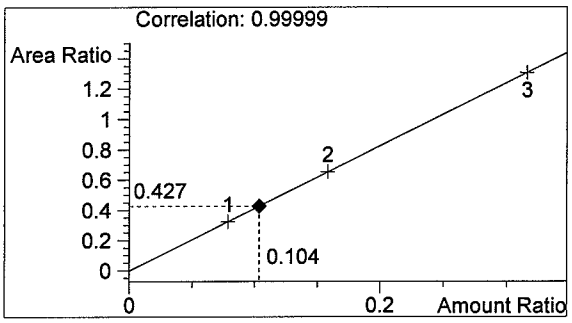
SimSoln 05023
Jayne E. Clarkson

vial # 63

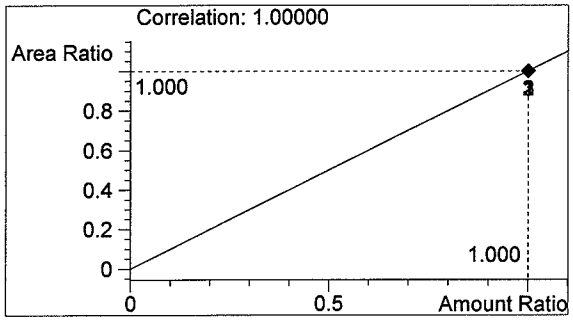


#	Compound	Area	RT
1	Ethanol	807	1.001
2	n-Propanol	1890	1.648

Totals:



Ethanol 0.104 g/100ml



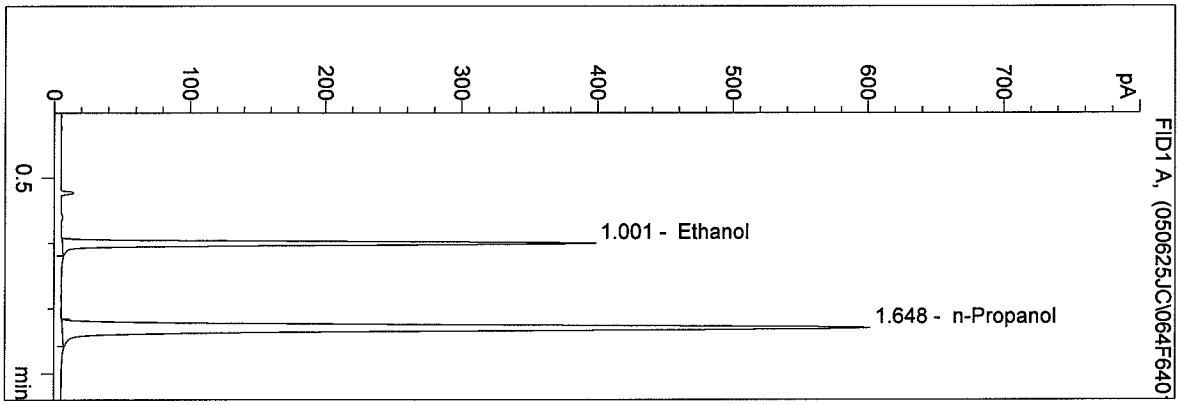
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/25/2005 3:32:18 PM
Instrument 4
DB-ALC1

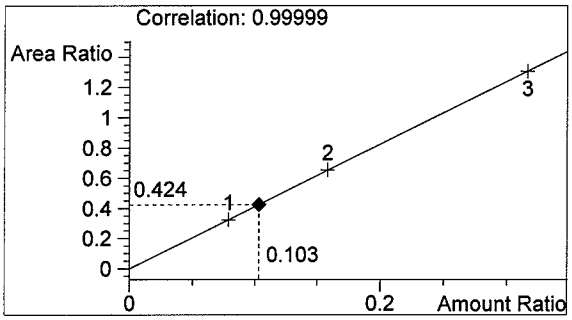
SimSoln 05023
Jayne E. Clarkson

vial # 64

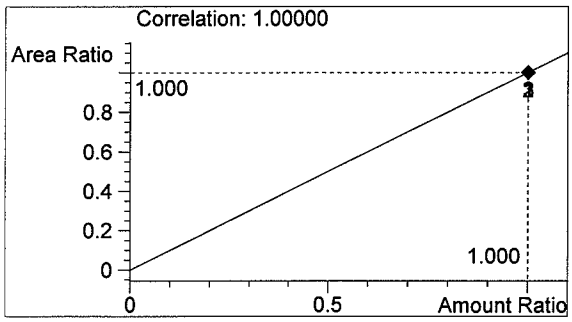


#	Compound	Area	RT
1	Ethanol	794	1.001
2	n-Propanol	1870	1.648

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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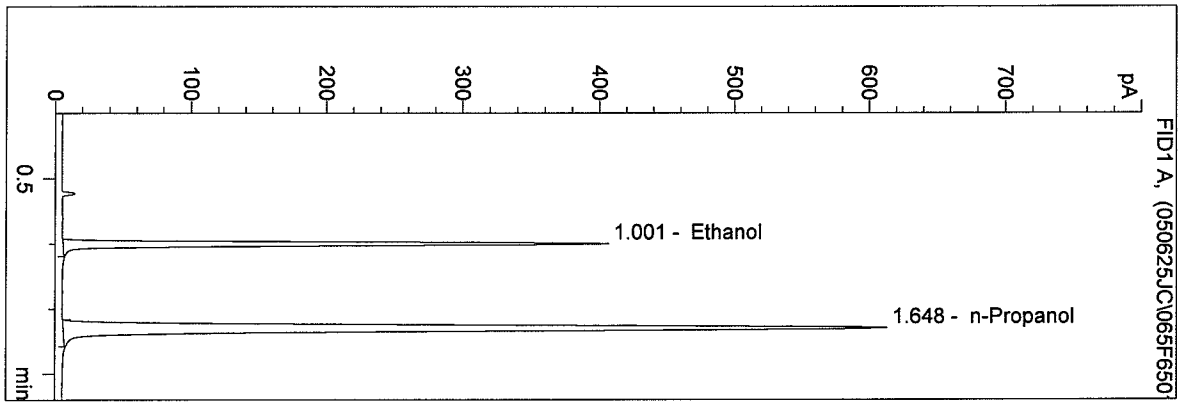
6/25/2005 3:35:30 PM
Instrument 4
DB-ALC1

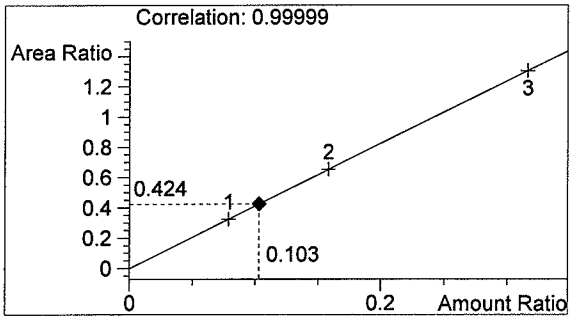
SimSoln 05023
Jayne E. Clarkson

vial # 65

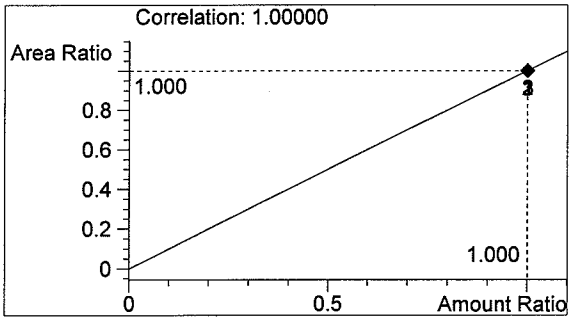


#	Compound	Area	RT
1	Ethanol	809	1.001
2	n-Propanol	1907	1.648

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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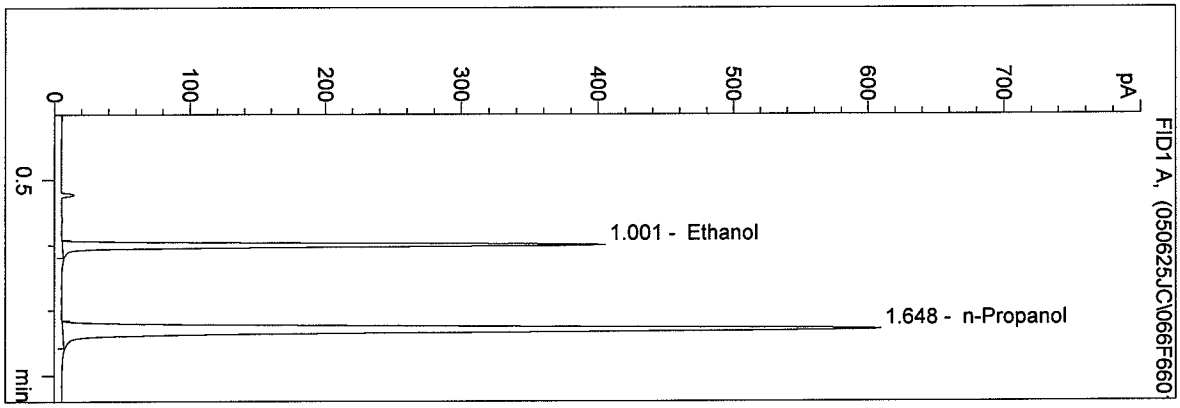
6/25/2005 3:38:42 PM
Instrument 4
DB-ALC1

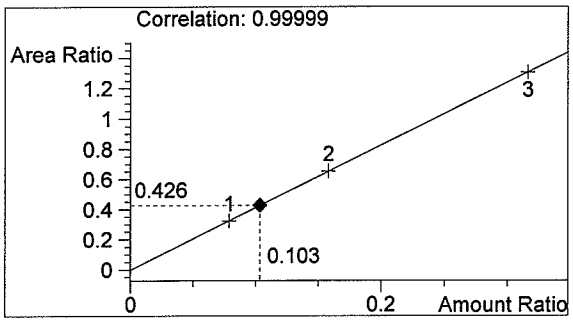
SimSoln 05023
Jayne E. Clarkson

vial # 66

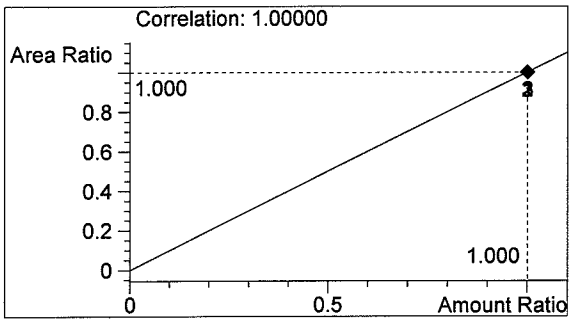


#	Compound	Area	RT
1	Ethanol	806	1.001
2	n-Propanol	1892	1.648

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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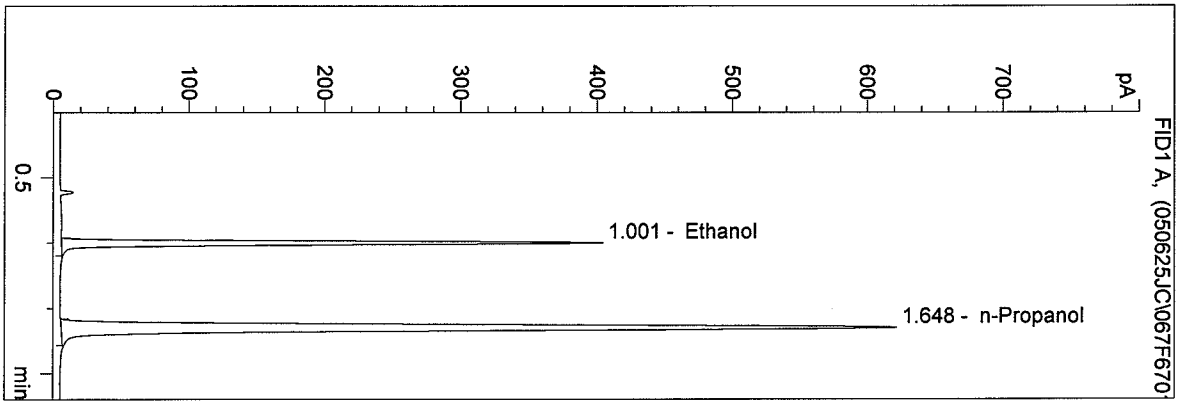
6/25/2005 3:44:11 PM
Instrument 4
DB-ALC1

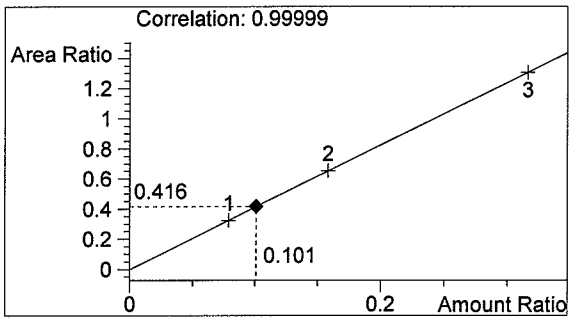
0.10 CONTROL jc
Jayne E. Clarkson

vial # 67

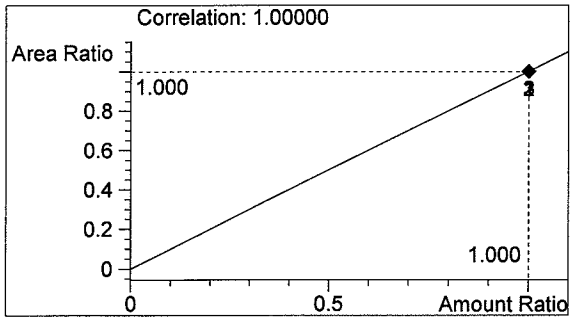


#	Compound	Area	RT
1	Ethanol	805	1.001
2	n-Propanol	1936	1.648

Totals:



Ethanol 0.101 g/100ml



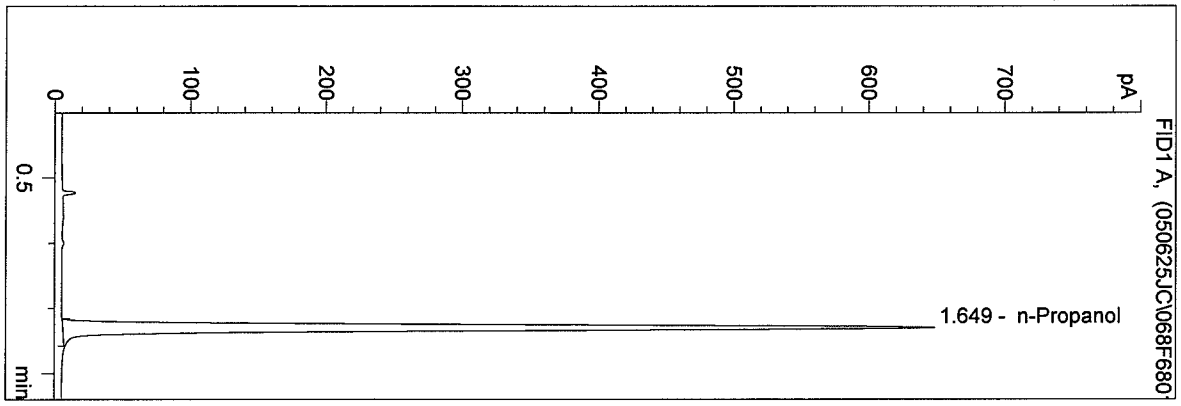
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/25/2005 3:47:30 PM
Instrument 4
DB-ALC1

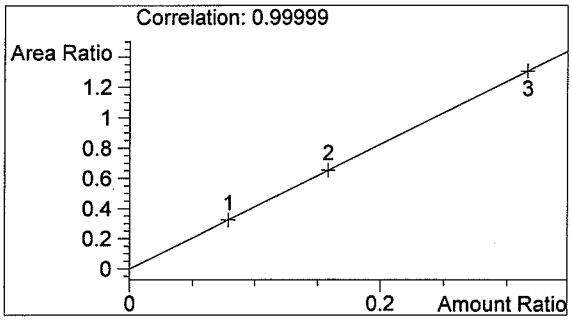
BLANK
Jayne E. Clarkson

vial # 68

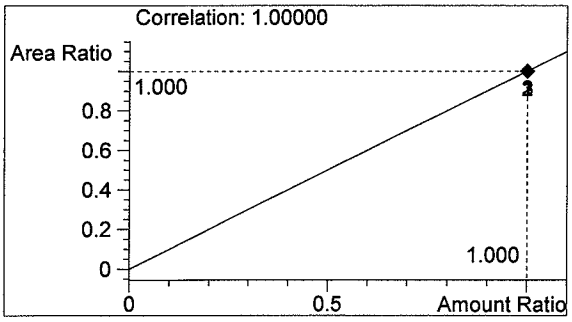


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2017	1.649

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sequence Parameters:

Operator:	N Nuwayhid, PhD
Data File Naming:	Auto
Data Directory:	D:\HPCHEM\1\DATA\
Data Subdirectory:	050628NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	BLDALCO	1	Sample		
2	Vial 2	0.100 CTL-NN	BLDALCO	1	Ctrl Samp		
3	Vial 3	05023 SIM-1	BLDALCO	1	Sample		
4	Vial 4	05023 SIM-2	BLDALCO	1	Sample		
5	Vial 5	05023 SIM-3	BLDALCO	1	Sample		
6	Vial 6	05023 SIM-4	BLDALCO	1	Sample		
7	Vial 7	05023 SIM-5	BLDALCO	1	Sample		
8	Vial 8	0.100 CTL-NN	BLDALCO	1	Ctrl Samp		
9	Vial 9	Blank	BLDALCO	1	Sample		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Sequence Table (Back Injector):

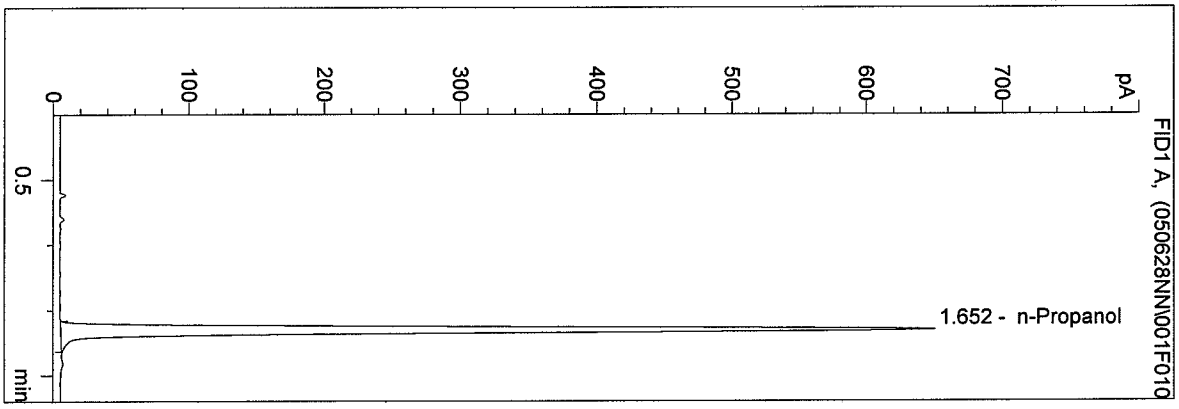
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 8:37:39 AM
Instrument 4
DB-ALC1

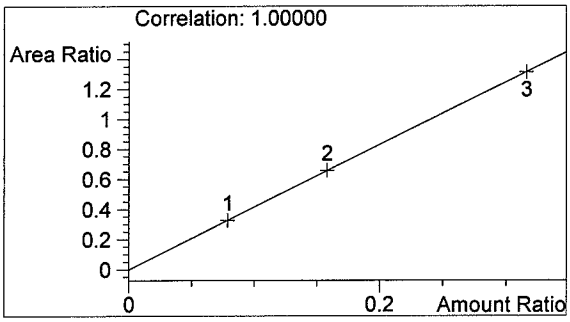
BLANK
N Nuwayhid, PhD

vial # 1

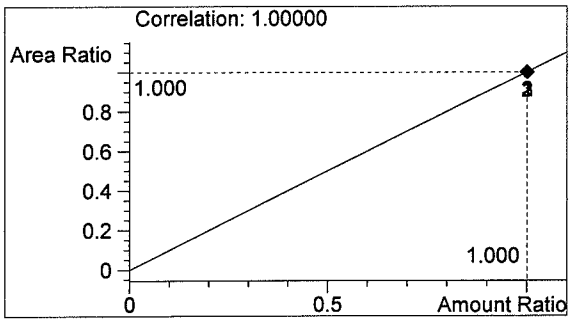


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2029	1.652

Totals:



Ethanol 0.000 g/100ml



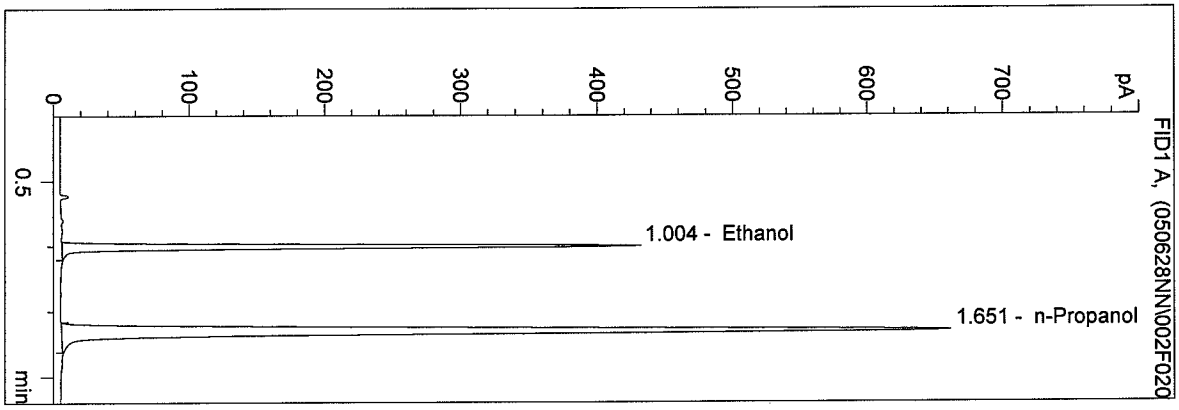
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 8:40:57 AM
Instrument 4
DB-ALC1

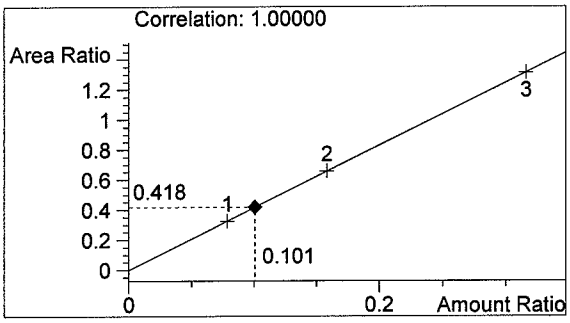
0.100 CTL-NN
N Nuwayhid, PhD

vial # 2

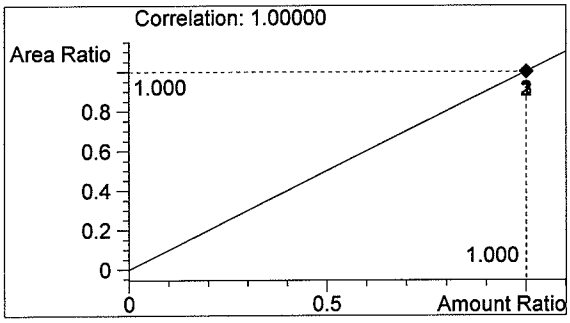


#	Compound	Area	RT
1	Ethanol	864	1.004
2	n-Propanol	2067	1.651

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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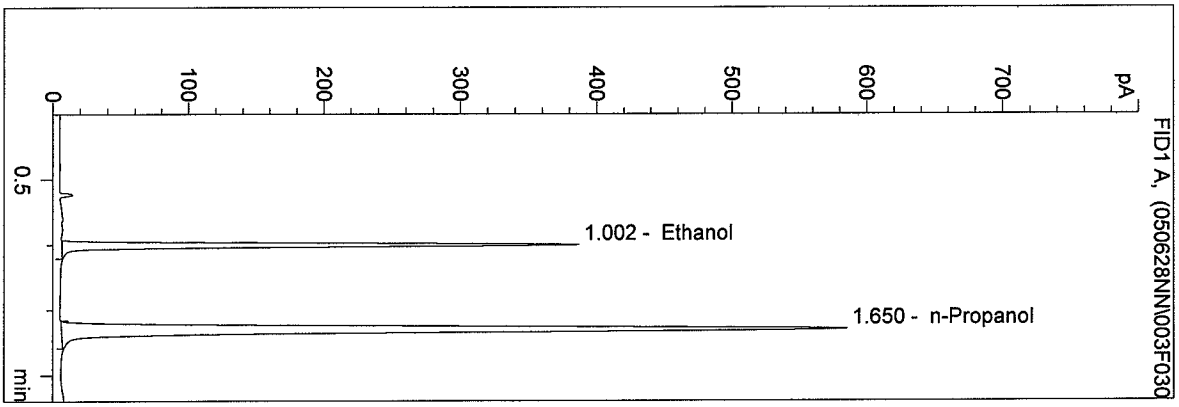
6/28/2005 8:44:14 AM
Instrument 4
DB-ALC1

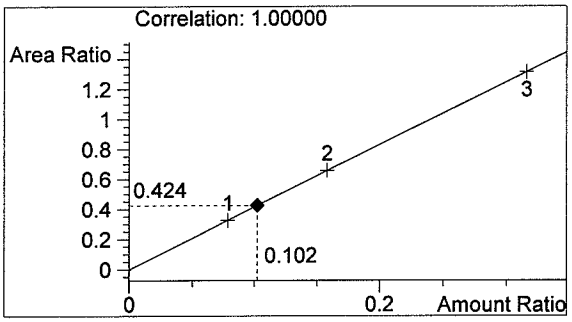
05023 SIM-1
N Nuwayhid, PhD

vial # 3

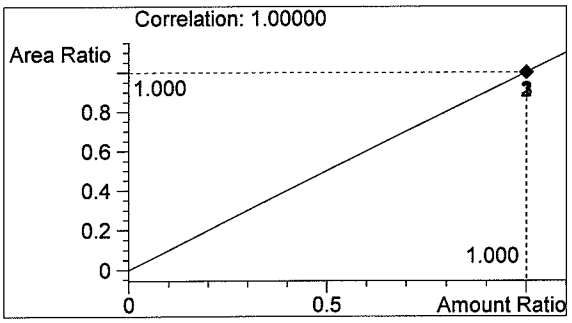


#	Compound	Area	RT
1	Ethanol	772	1.002
2	n-Propanol	1820	1.650

Totals:



Ethanol 0.102 g/100ml



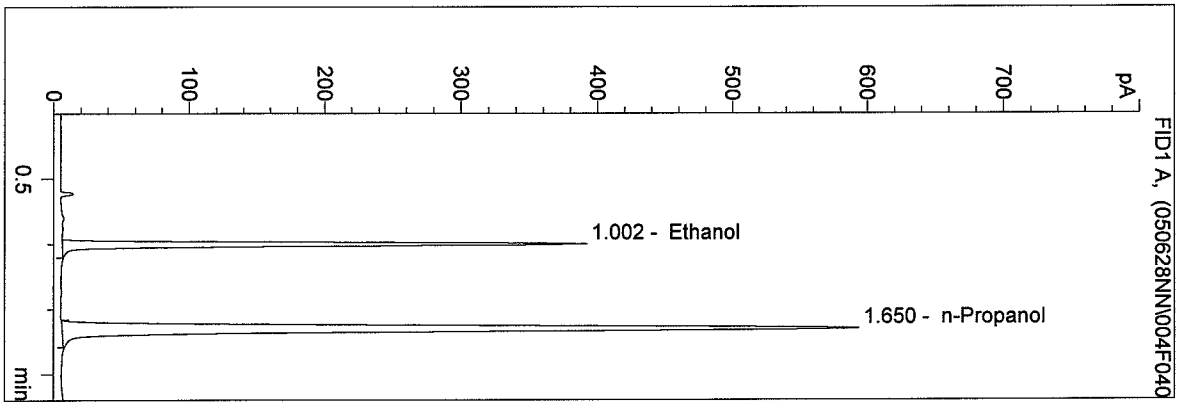
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 8:47:27 AM
Instrument 4
DB-ALC1

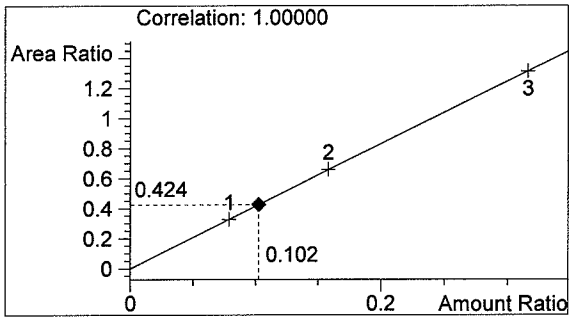
05023 SIM-2
N Nuwayhid, PhD

vial # 4

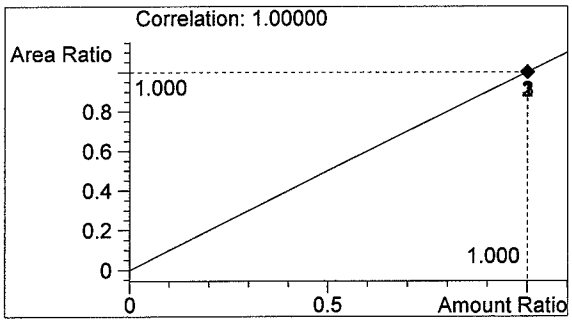


#	Compound	Area	RT
1	Ethanol	783	1.002
2	n-Propanol	1848	1.650

Totals:



Ethanol 0.102 g/100ml



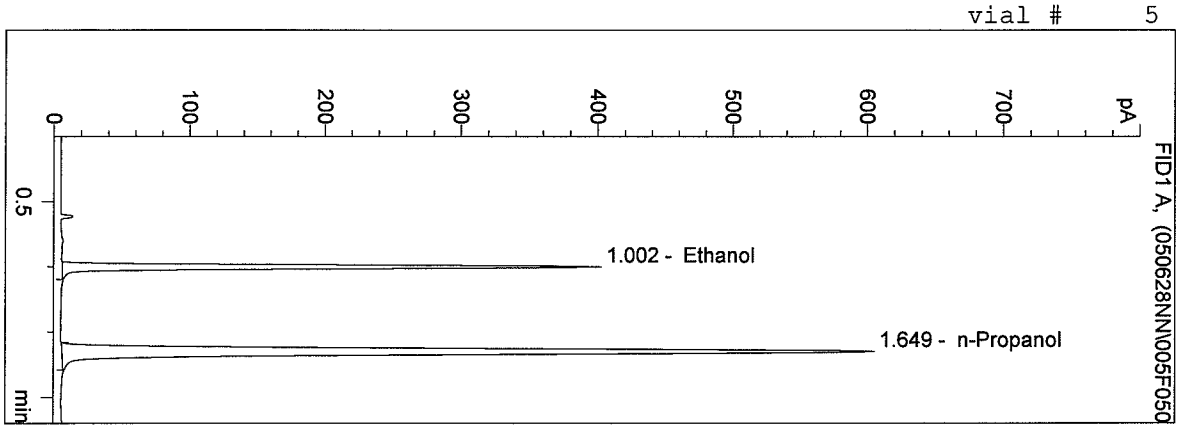
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 8:50:41 AM
Instrument 4
DB-ALC1

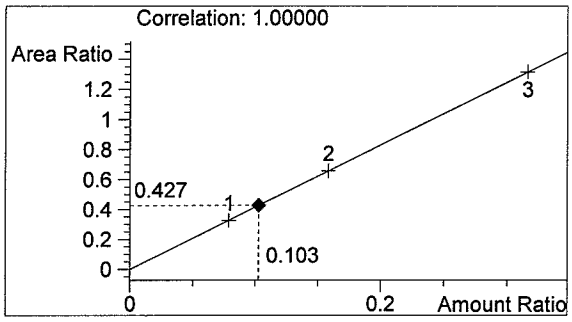
05023 SIM-3
N Nuwayhid, PhD

vial # 5

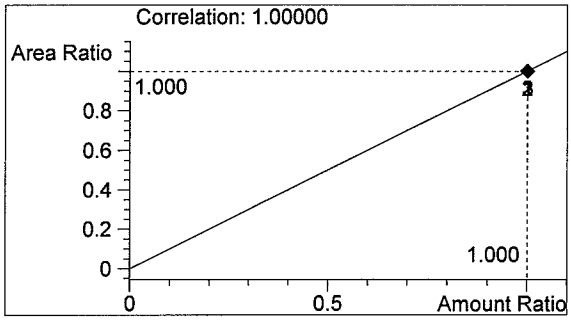


#	Compound	Area	RT
1	Ethanol	803	1.002
2	n-Propanol	1880	1.649

Totals:



Ethanol 0.103 g/100ml



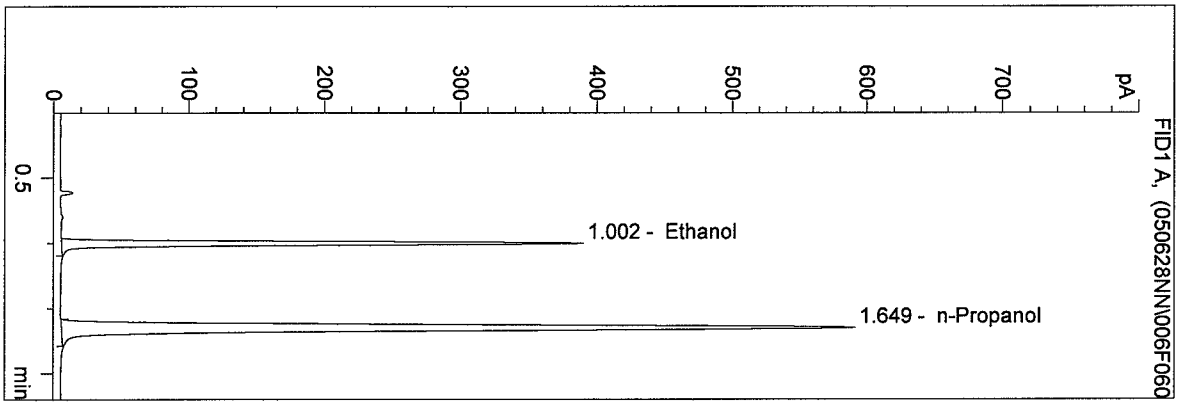
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 8:53:53 AM
Instrument 4
DB-ALC1

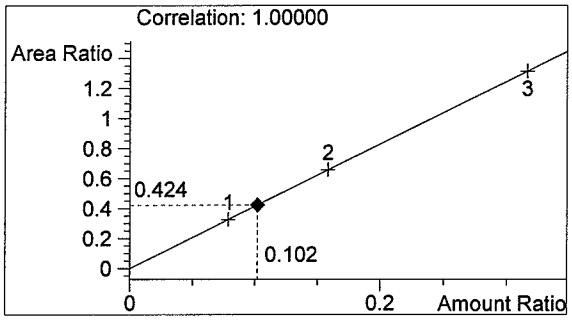
05023 SIM-4
N Nuwayhid, PhD

vial # 6

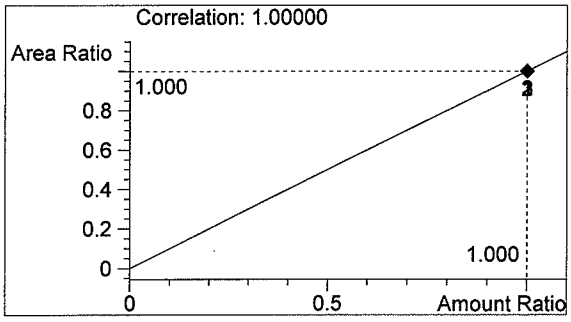


#	Compound	Area	RT
1	Ethanol	778	1.002
2	n-Propanol	1837	1.649

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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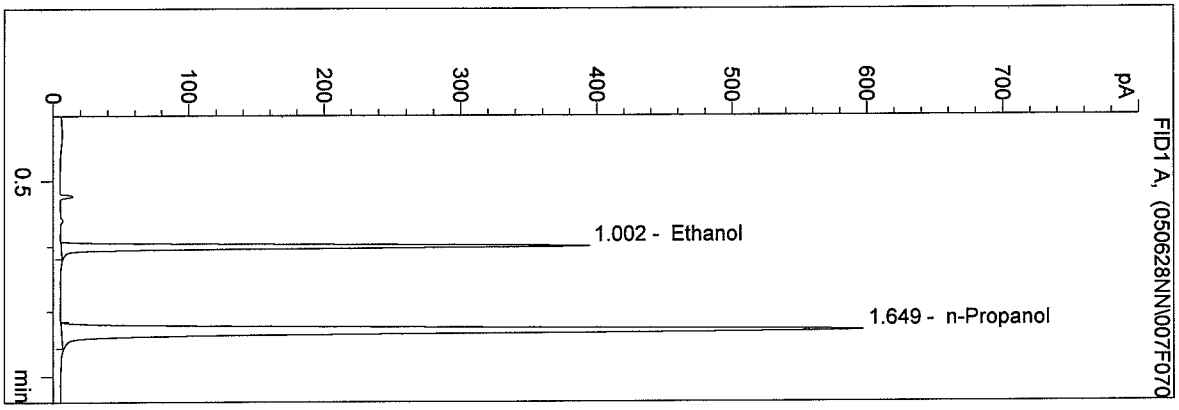
6/28/2005 8:59:21 AM
Instrument 4
DB-ALC1

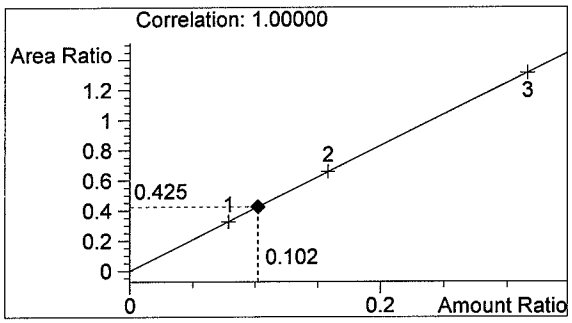
05023 SIM-5
N Nuwayhid, PhD

vial # 7

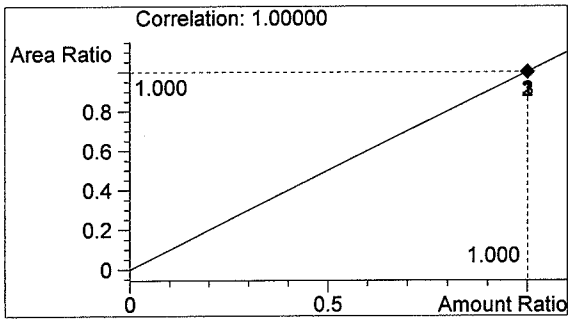


#	Compound	Area	RT
1	Ethanol	789	1.002
2	n-Propanol	1857	1.649

Totals:



Ethanol 0.102 g/100ml



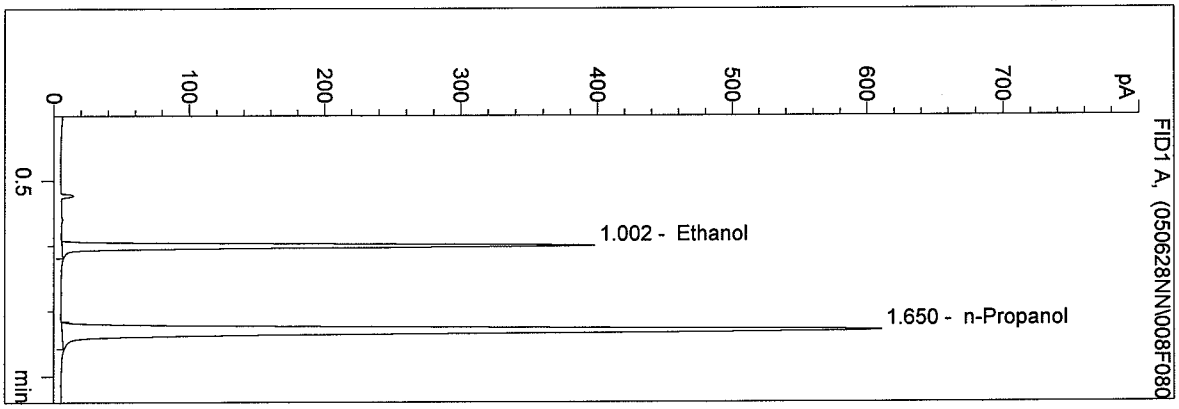
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 9:02:41 AM
Instrument 4
DB-ALC1

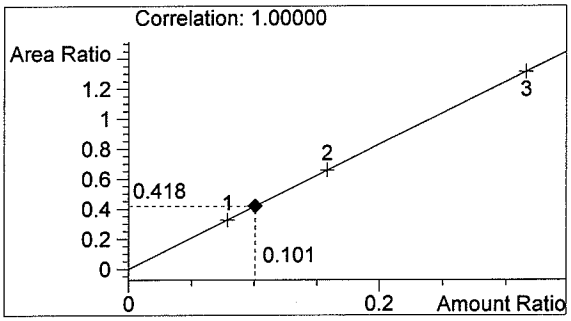
0.100 CTL-NN
N Nuwayhid, PhD

vial # 8

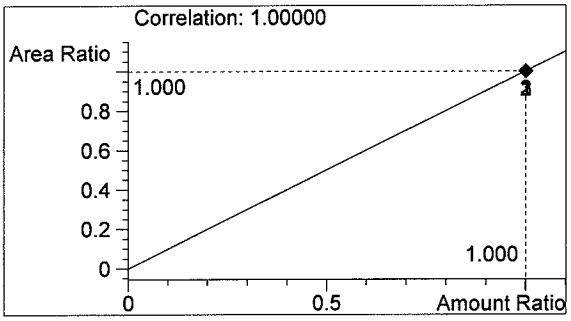


#	Compound	Area	RT
1	Ethanol	794	1.002
2	n-Propanol	1900	1.650

Totals:



Ethanol 0.101 g/100ml



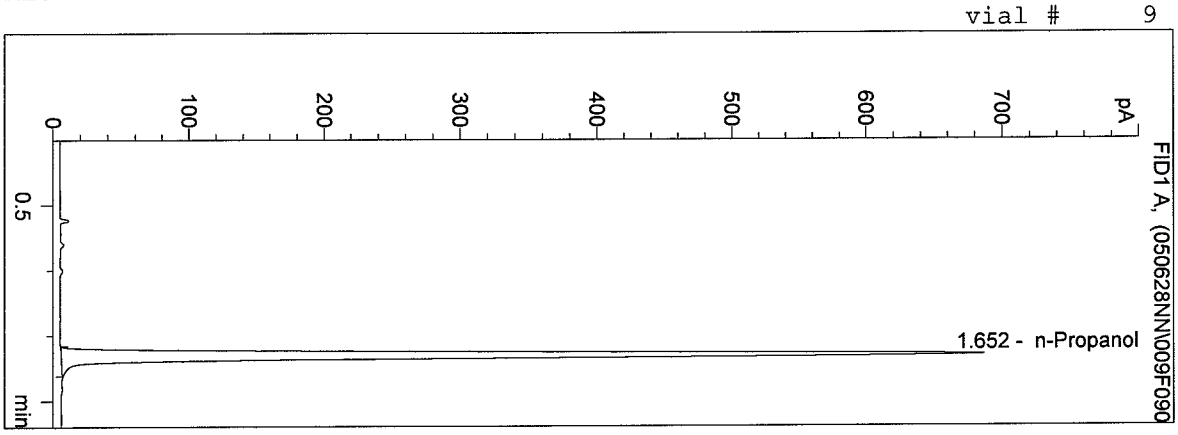
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/28/2005 9:05:59 AM
Instrument 4
DB-ALC1

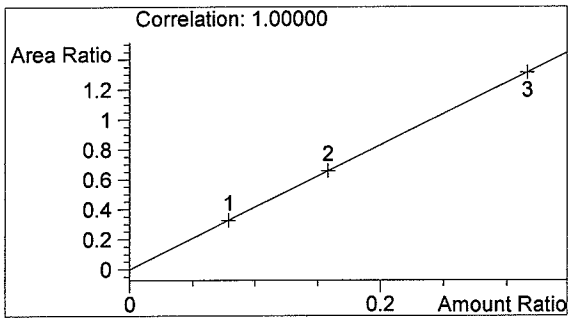
Blank
N Nuwayhid, PhD

vial # 9

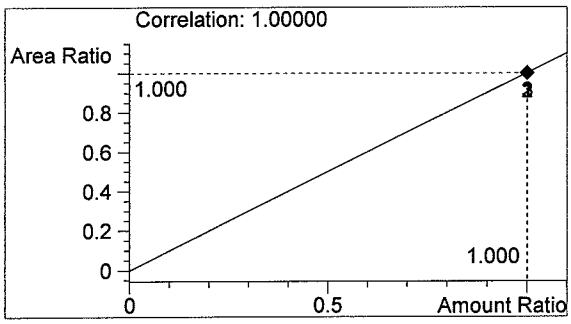


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2142	1.652

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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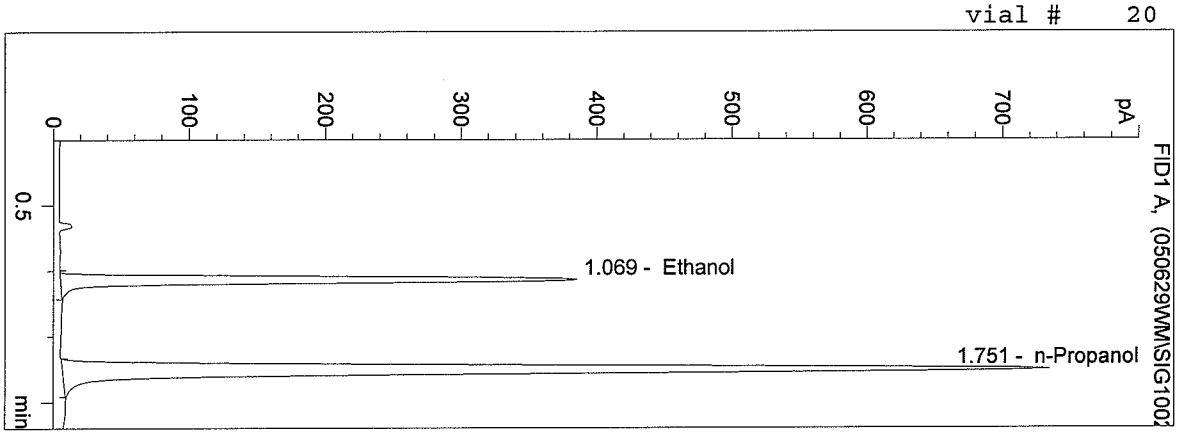
6/29/2005 10:22:38 AM
Instrument 1
DB BAC 1

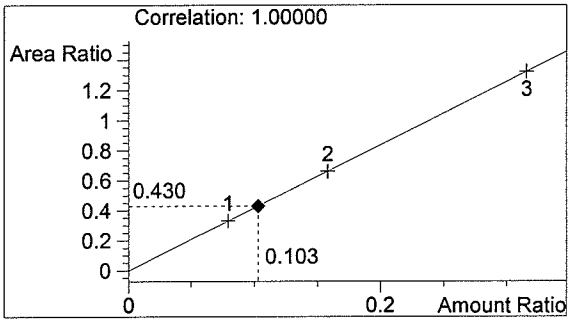
SIM 05023
WP MARSHALL

vial # 20

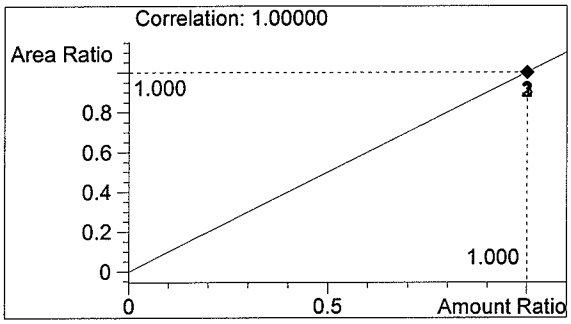


#	Compound	Area	RT
1	Ethanol	1308	1.069
2	n-Propanol	3042	1.751

Totals:



Ethanol 0.103 g/100ml



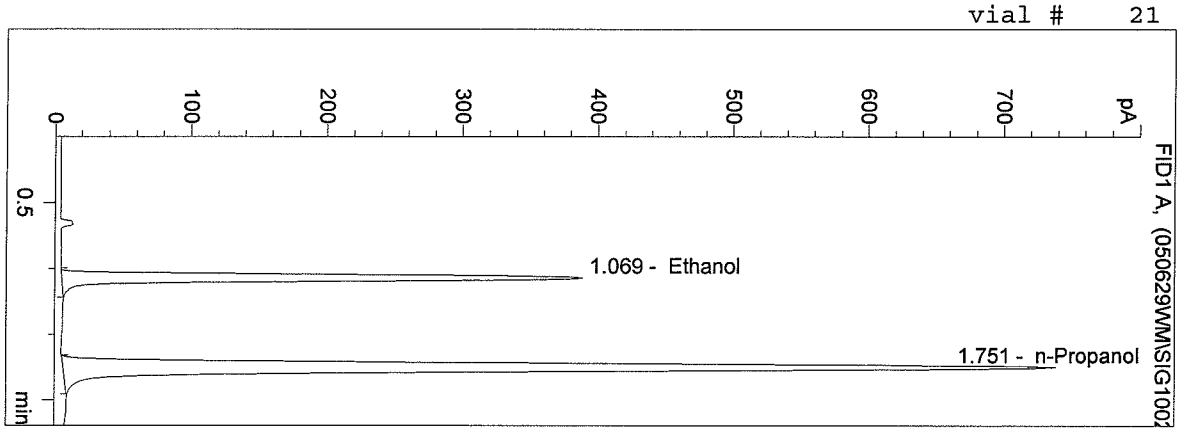
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
6/29/2005 10:26:10 AM
Instrument 1
DB BAC 1

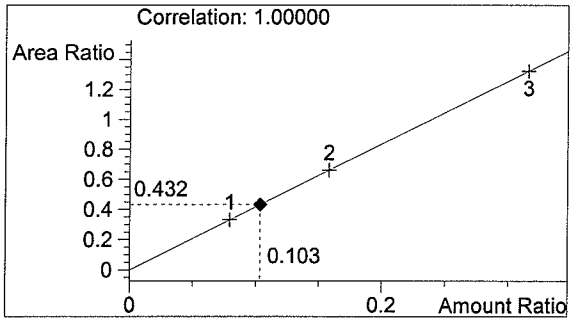
SIM 05023
WP MARSHALL

vial # 21

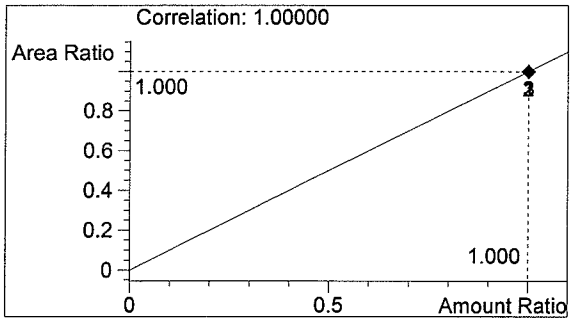


#	Compound	Area	RT
1	Ethanol	1323	1.069
2	n-Propanol	3060	1.751

Totals:



Ethanol 0.103 g/100ml



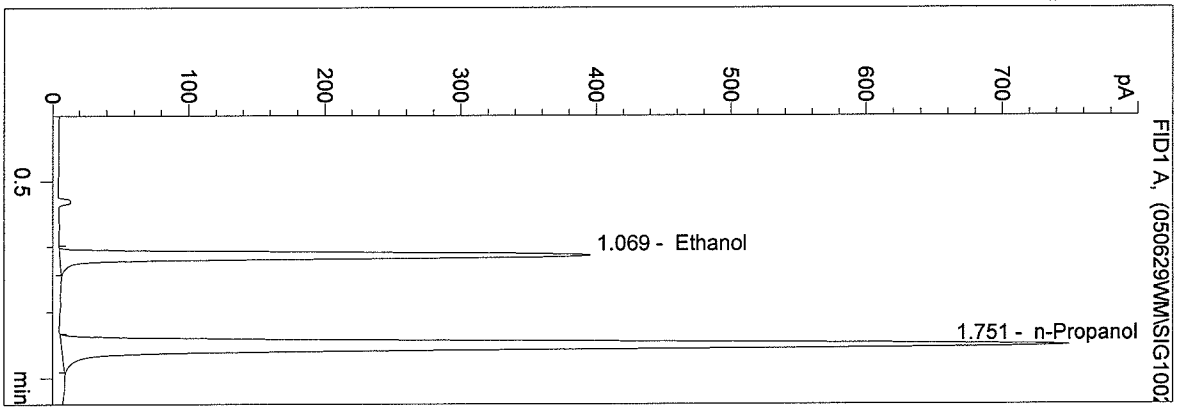
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
6/29/2005 10:28:47 AM
Instrument 1
DB BAC 1

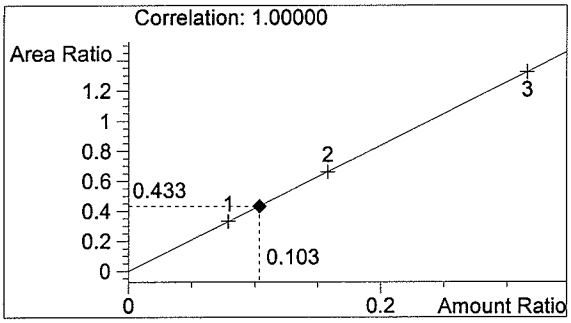
SIM 05023
WP MARSHALL

vial # 22

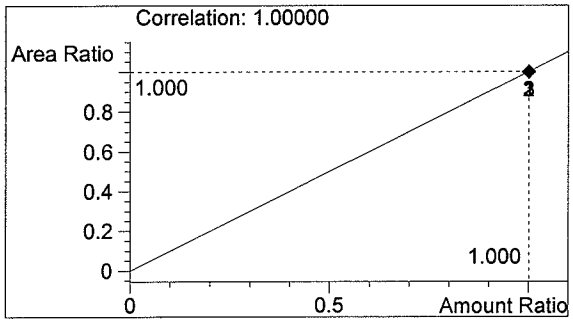


#	Compound	Area	RT
1	Ethanol	1348	1.069
2	n-Propanol	3112	1.751

Totals:



Ethanol 0.103 g/100ml



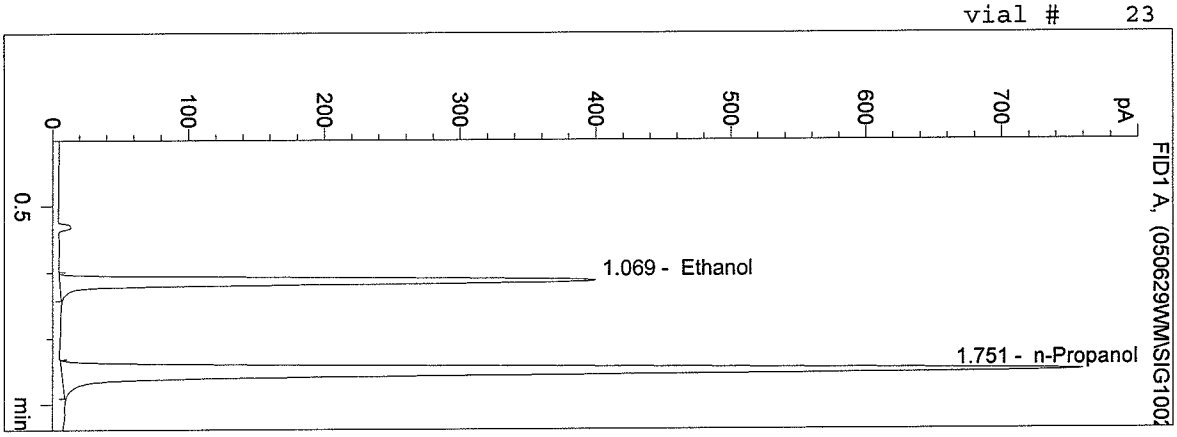
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
6/29/2005 10:31:25 AM
Instrument 1
DB BAC 1

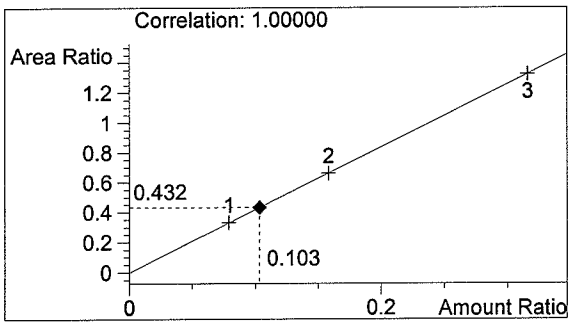
SIM 05023
WP MARSHALL

vial # 23

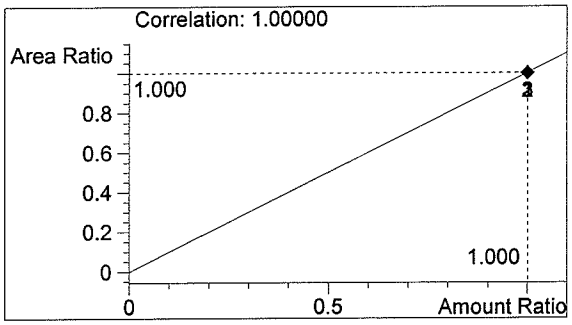


#	Compound	Area	RT
1	Ethanol	1364	1.069
2	n-Propanol	3154	1.751

Totals:



Ethanol 0.103 g/100ml



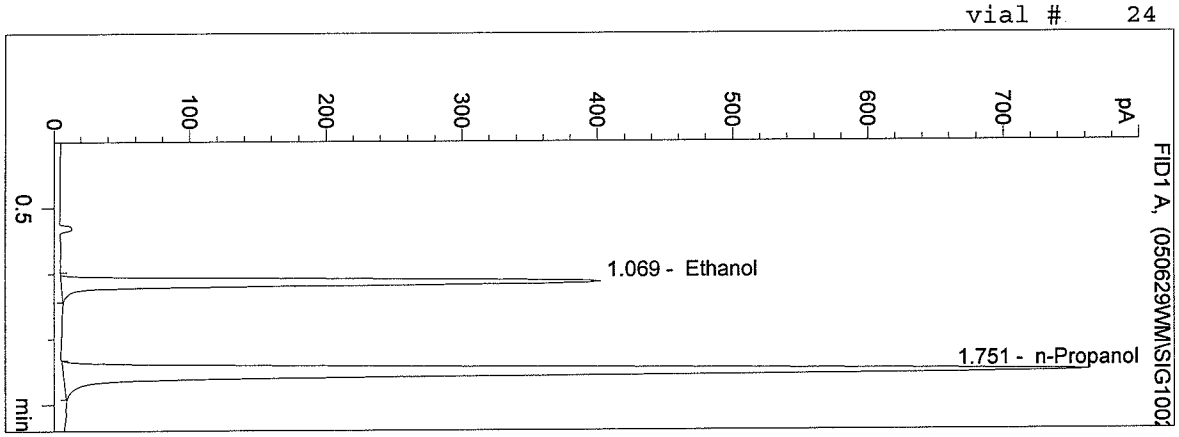
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
6/29/2005 10:34:06 AM
Instrument 1
DB BAC 1

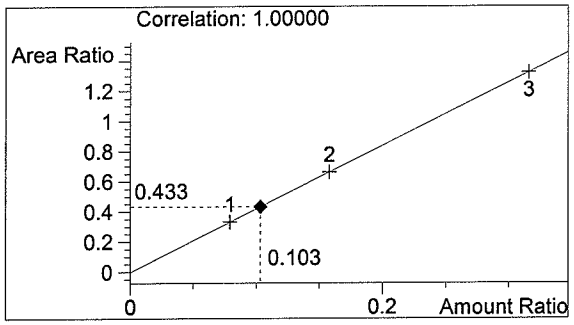
SIM 05023
WP MARSHALL

vial # 24

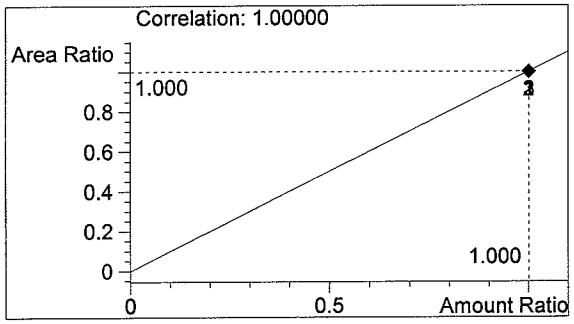


#	Compound	Area	RT
1	Ethanol	1370	1.069
2	n-Propanol	3166	1.751

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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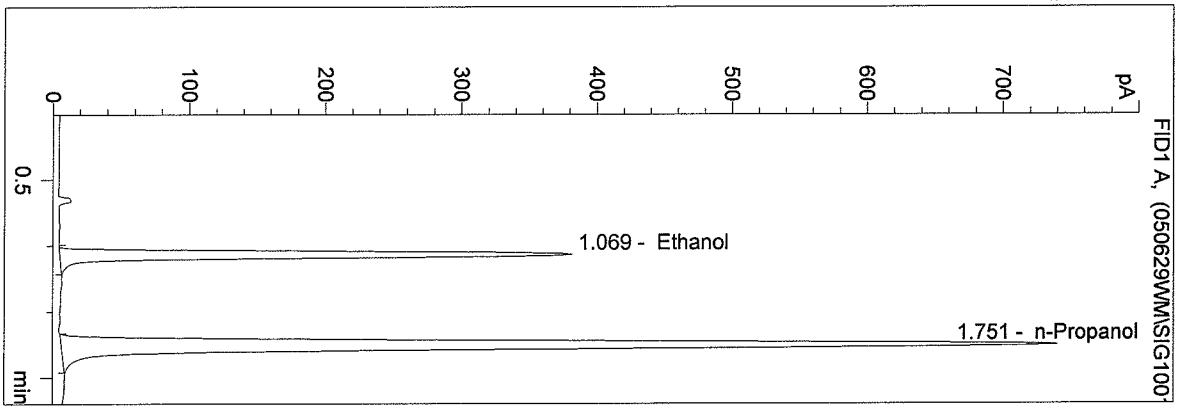
6/29/2005 10:17:17 AM
Instrument 1
DB BAC 1

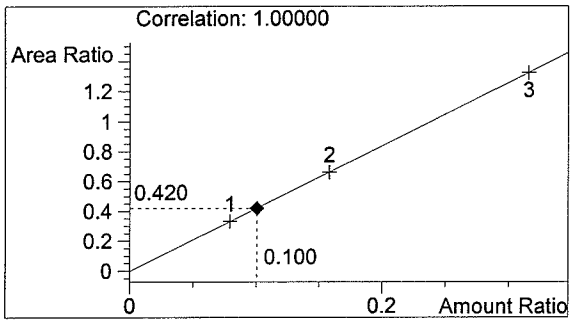
0.10 CONTROL
WP MARSHALL

vial # 18

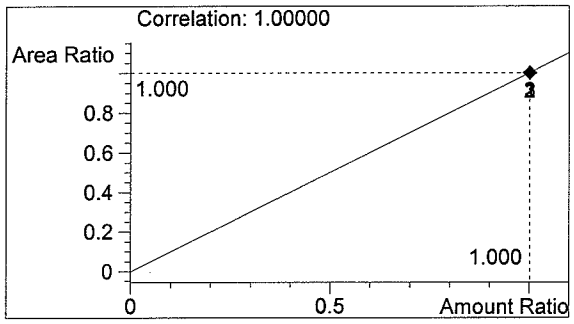


#	Compound	Area	RT
1	Ethanol	1287	1.069
2	n-Propanol	3063	1.751

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

STD C

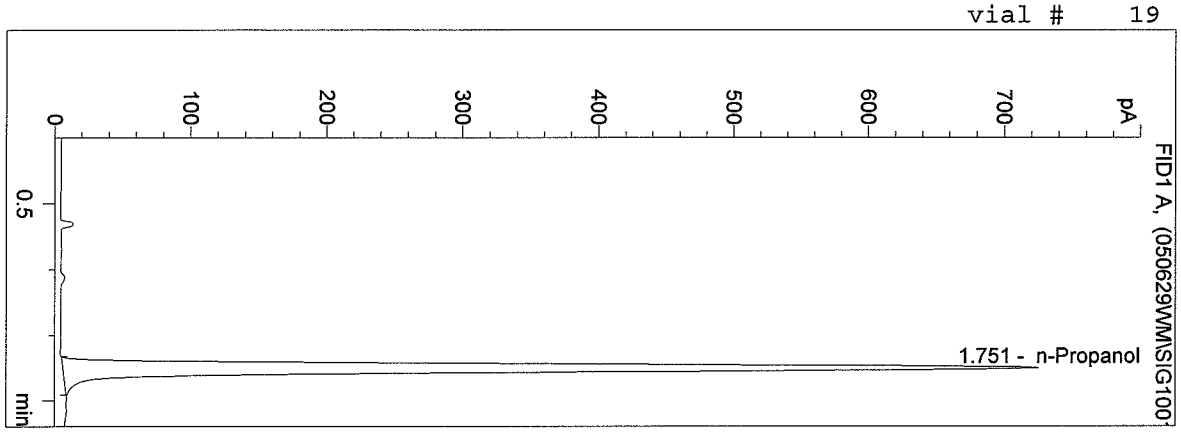
CAP SAMPLES

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
6/29/2005 10:19:54 AM
Instrument 1
DB BAC 1

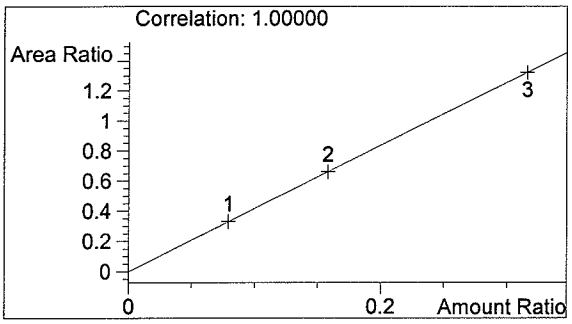
BLANK
WP MARSHALL

vial # 19

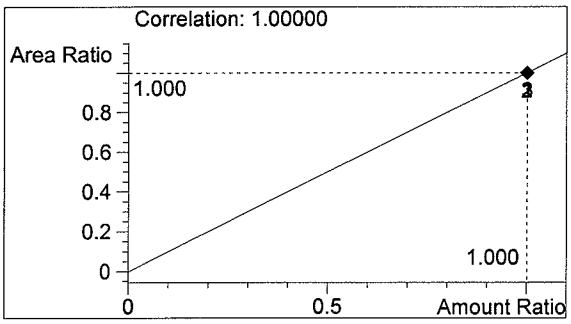


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3009	1.751

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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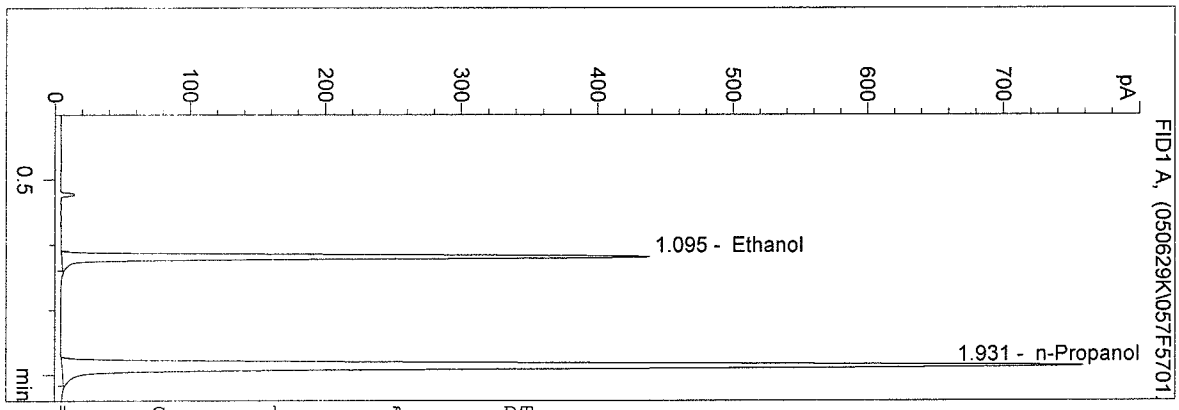
6/29/2005 4:59:46 PM
Instrument 5
DB-ALC2

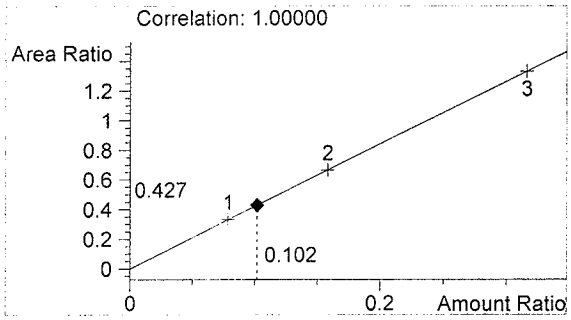
SIM 05023 #1
Kari Gruendell

vial # 57

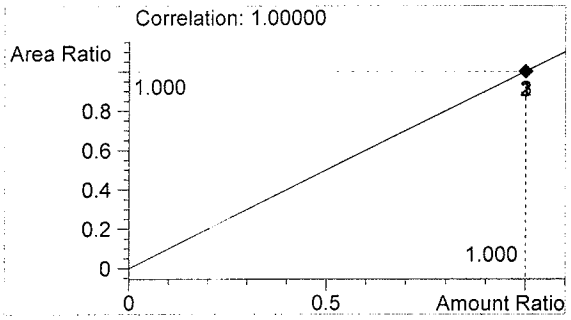


#	Compound	Area	RT
1	Ethanol	987	1.095
2	n-Propanol	2309	1.931

Totals:



Ethanol 0.102 g/100ml



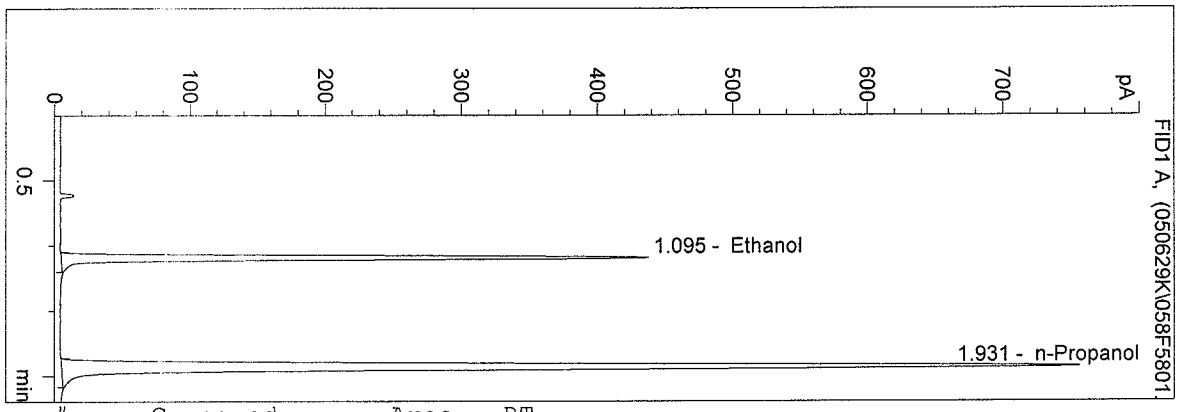
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/29/2005 5:02:59 PM
Instrument 5
DB-ALC2

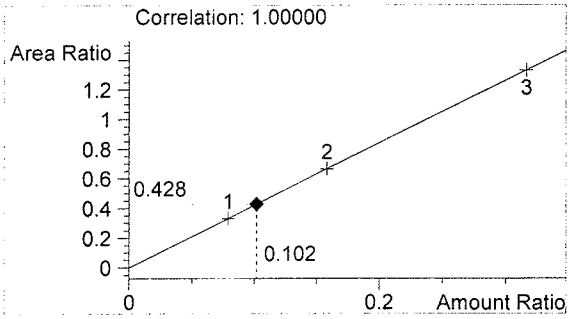
SIM 05023 #2
Kari Gruendell

vial # 58

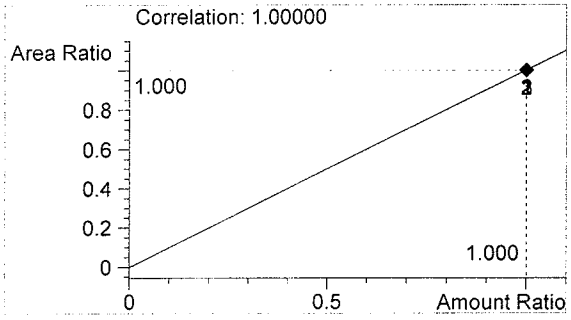


#	Compound	Area	RT
1	Ethanol	986	1.095
2	n-Propanol	2305	1.931

Totals:



Ethanol 0.102 g/100ml



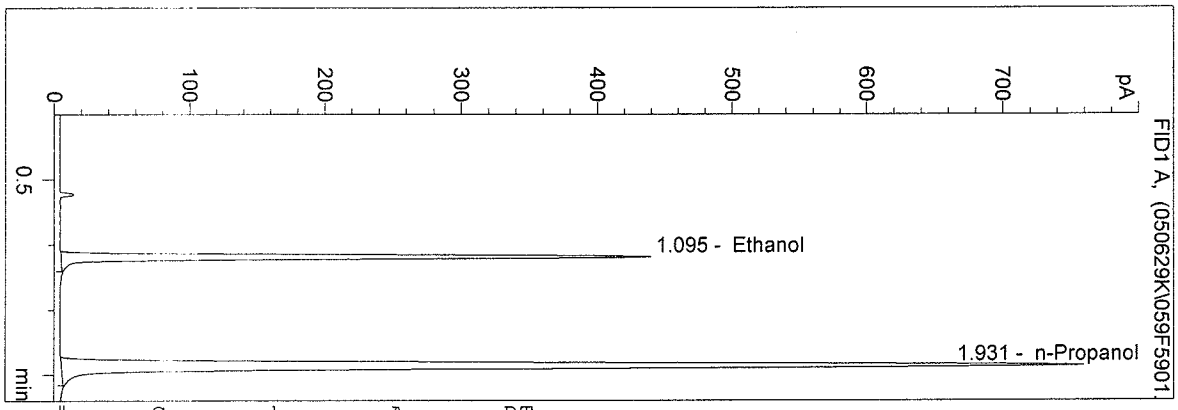
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/29/2005 5:06:14 PM
Instrument 5
DB-ALC2

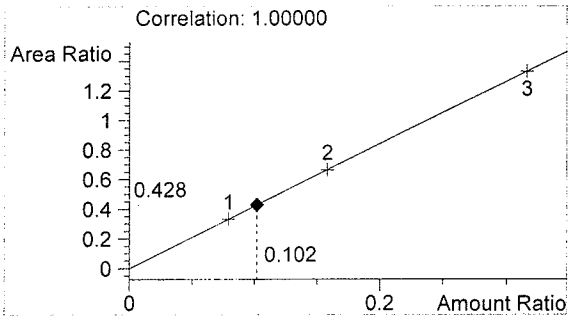
SIM 05023 #3
Kari Gruendell

vial # 59

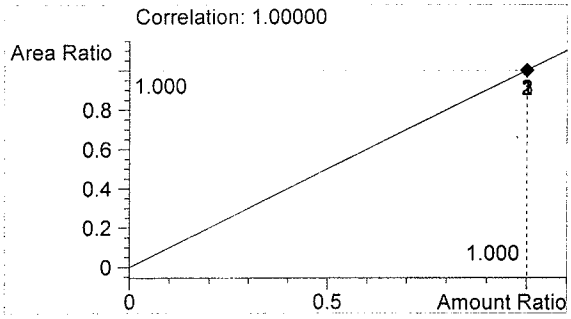


#	Compound	Area	RT
1	Ethanol	987	1.095
2	n-Propanol	2307	1.931

Totals:



Ethanol 0.102 g/100ml



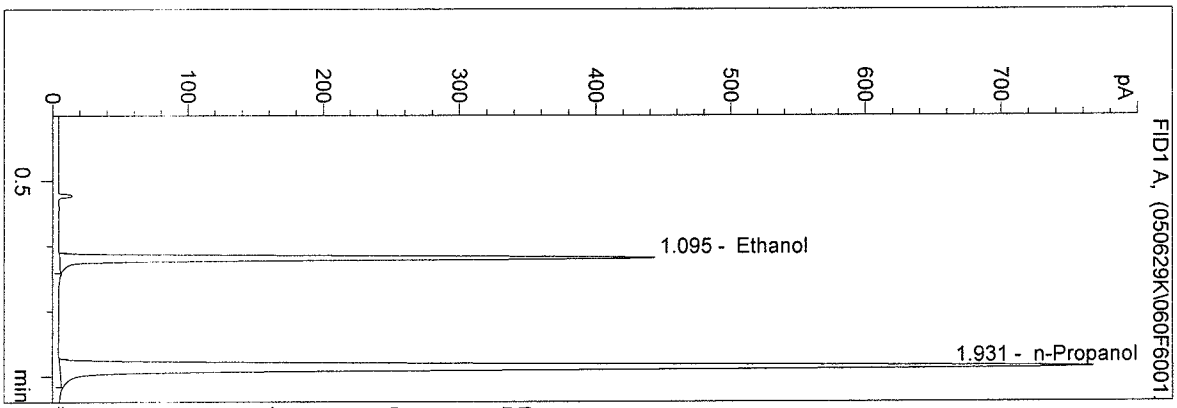
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/29/2005 5:09:26 PM
Instrument 5
DB-ALC2

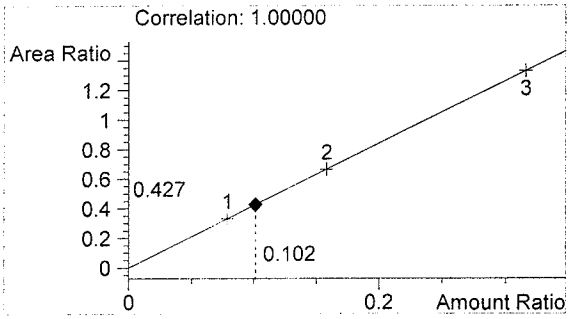
SIM 05023 #4
Kari Gruendell

vial # 60

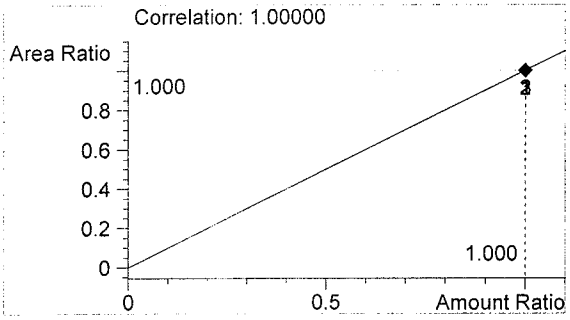


#	Compound	Area	RT
1	Ethanol	999	1.095
2	n-Propanol	2340	1.931

Totals:



Ethanol 0.102 g/100ml



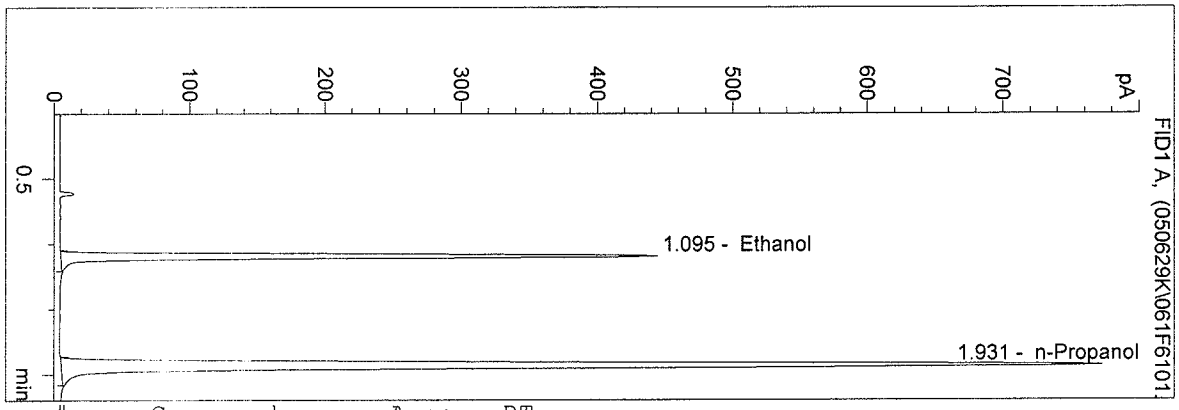
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/29/2005 5:12:36 PM
Instrument 5
DB-ALC2

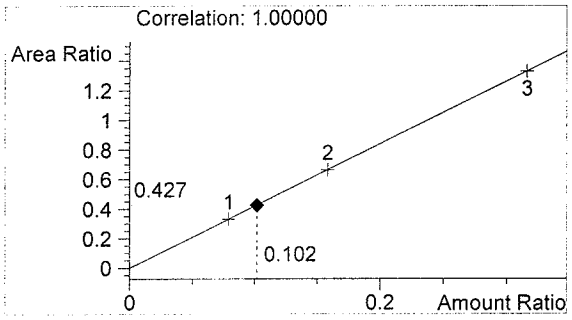
SIM 05023 #5
Kari Gruendell

vial # 61

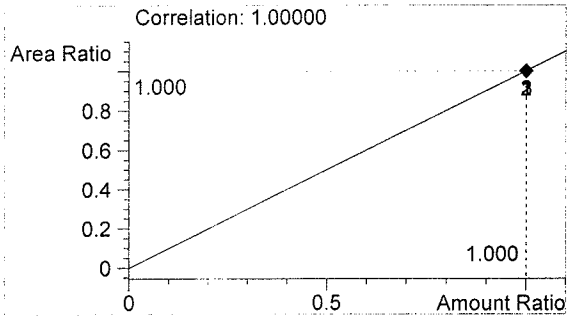


#	Compound	Area	RT
1	Ethanol	1004	1.095
2	n-Propanol	2351	1.931

Totals:



Ethanol 0.102 g/100ml



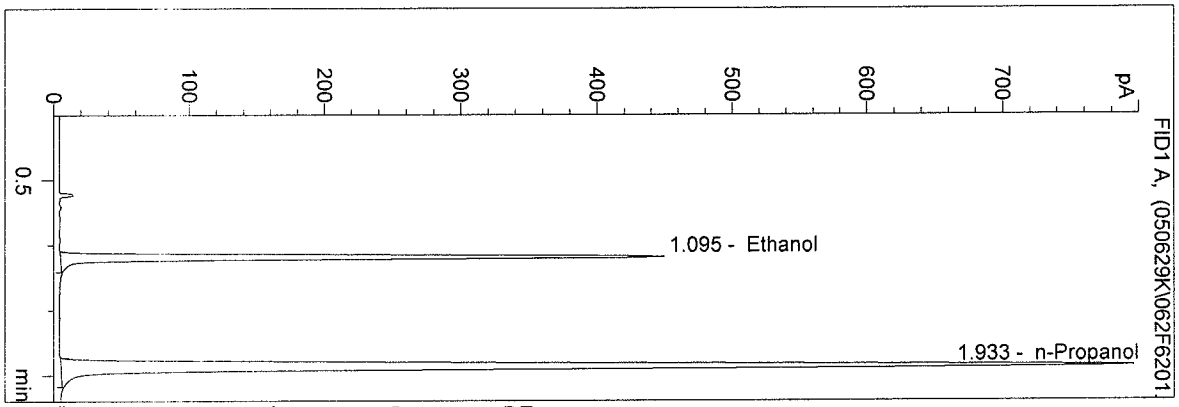
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/29/2005 5:15:54 PM
Instrument 5
DB-ALC2

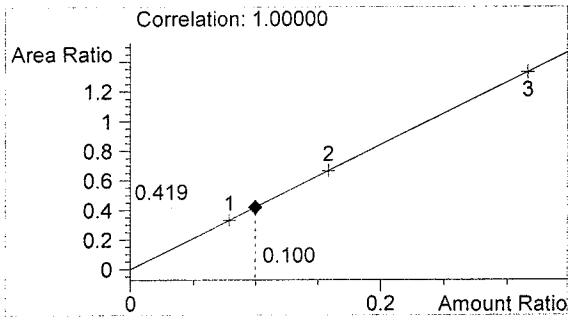
0.10 CONTROL KG
Kari Gruendell

vial # 62

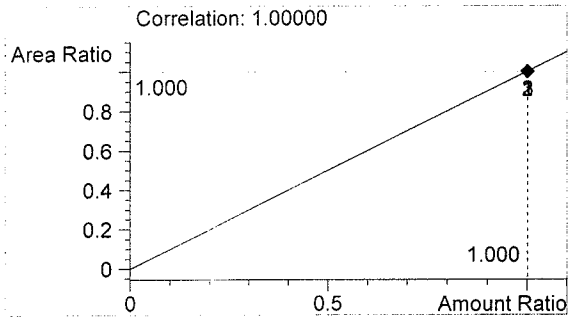


#	Compound	Area	RT
1	Ethanol	1022	1.095
2	n-Propanol	2436	1.933

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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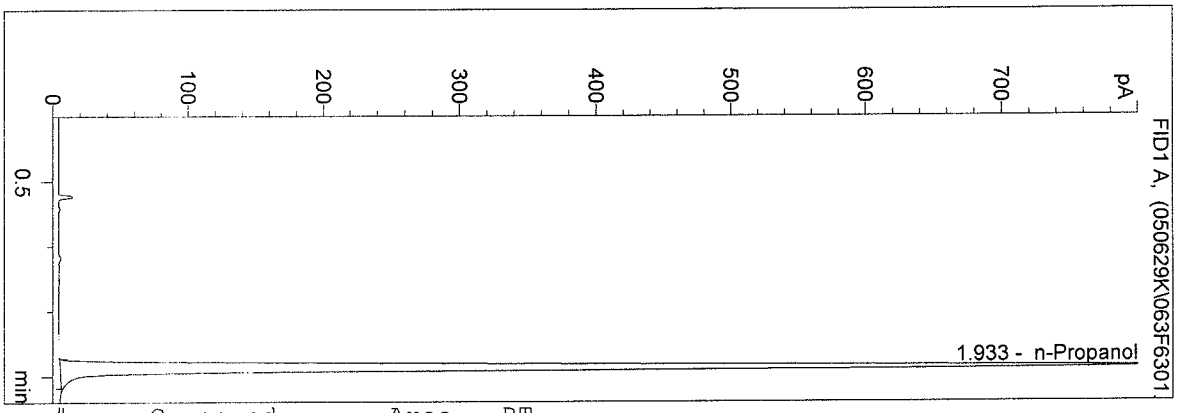
6/29/2005 5:19:11 PM
Instrument 5
DB-ALC2

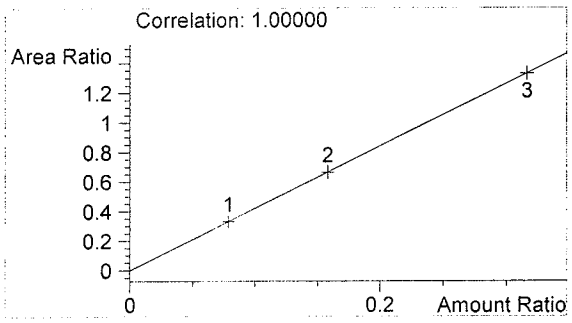
BLANK
Kari Gruendell

vial # 63

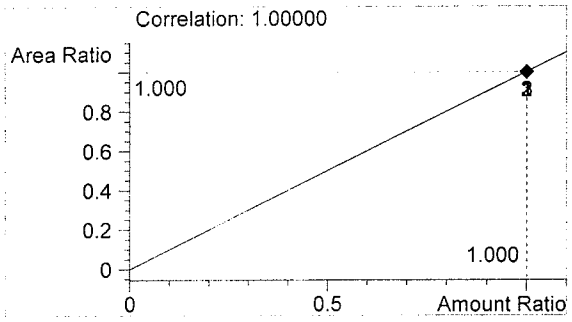


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2485	1.933

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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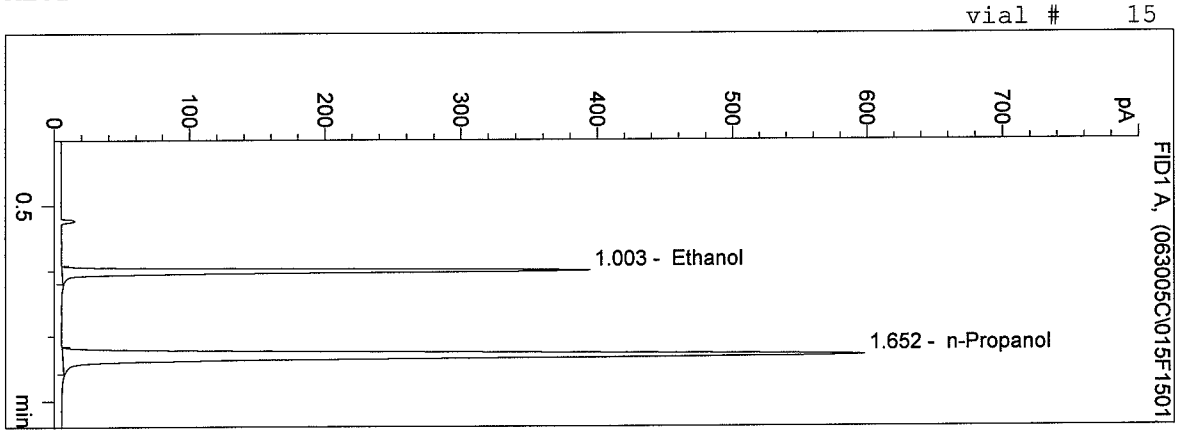
6/30/2005 7:23:10 AM
Instrument 4
DB-ALC1

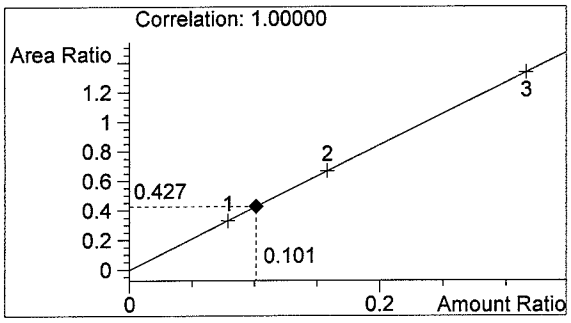
05023
ED FORMOSO

vial # 15

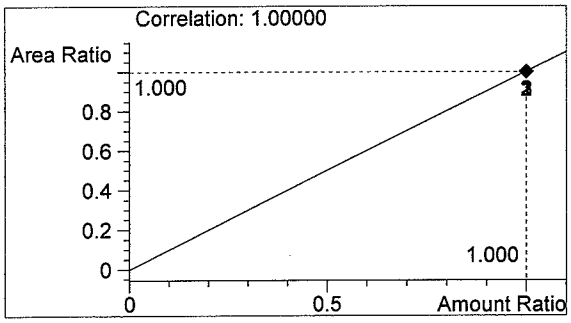


#	Compound	Area	RT
1	Ethanol	796	1.003
2	n-Propanol	1866	1.652

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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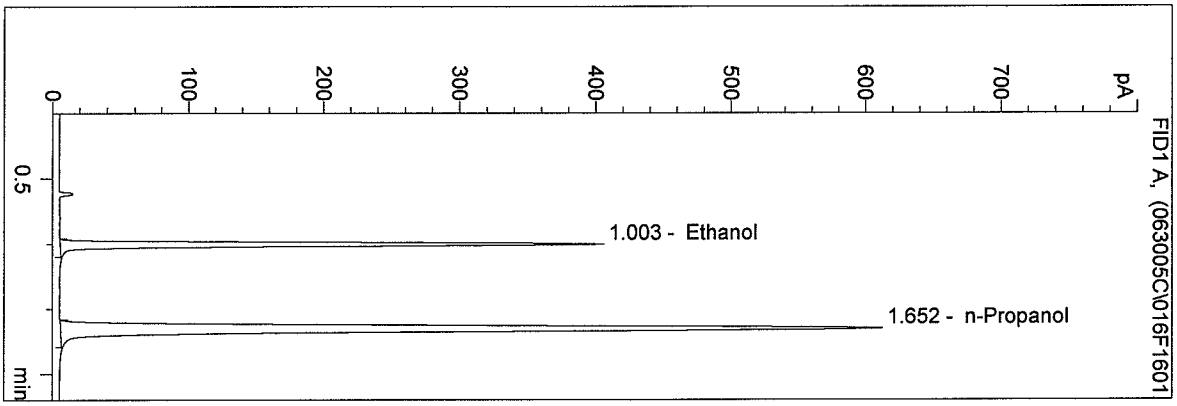
6/30/2005 7:26:24 AM
Instrument 4
DB-ALC1

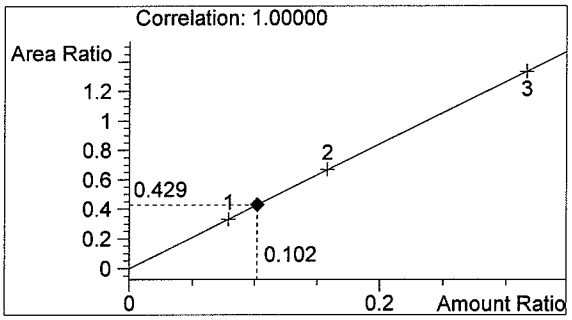
05023
ED FORMOSO

vial # 16

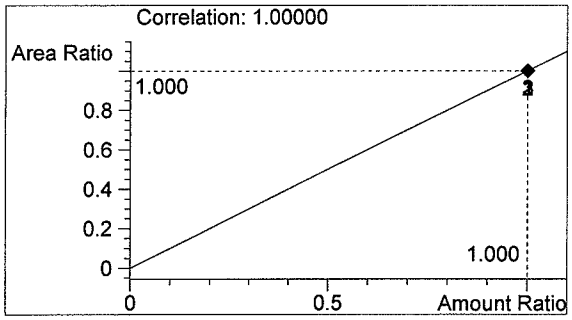


#	Compound	Area	RT
1	Ethanol	822	1.003
2	n-Propanol	1916	1.652

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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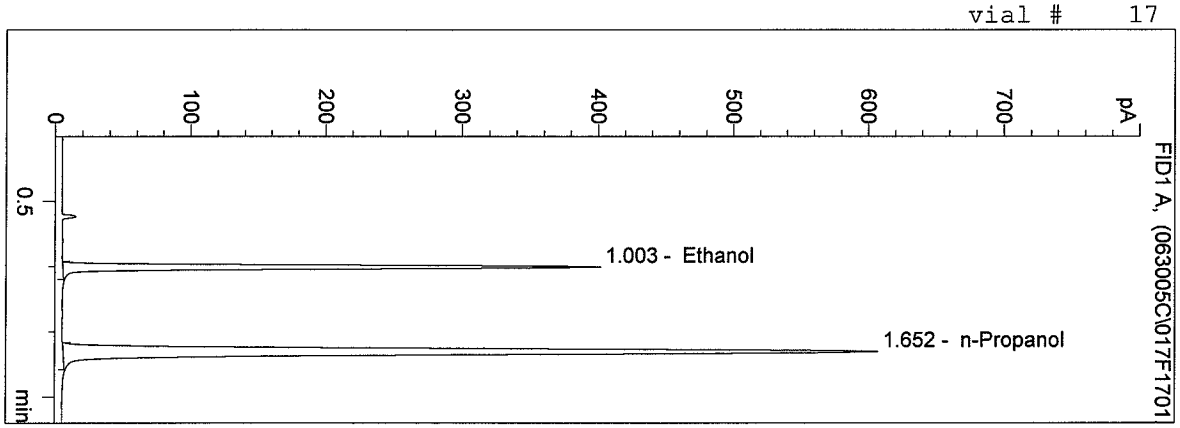
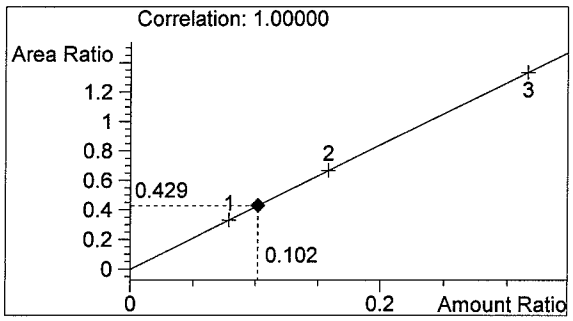
6/30/2005 7:29:38 AM 05023
Instrument 4 ED FORMOSO
DB-ALC1

vial # 17

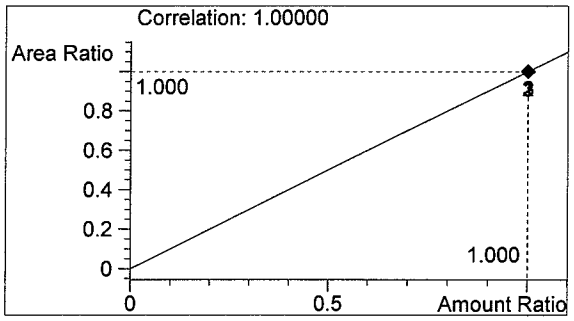


#	Compound	Area	RT
1	Ethanol	814	1.003
2	n-Propanol	1897	1.652

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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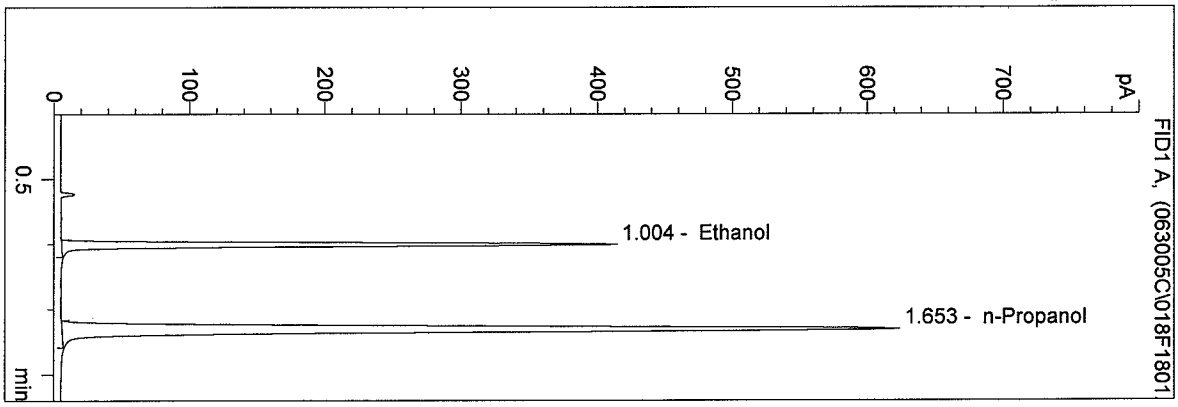
6/30/2005 7:32:50 AM
Instrument 4
DB-ALC1

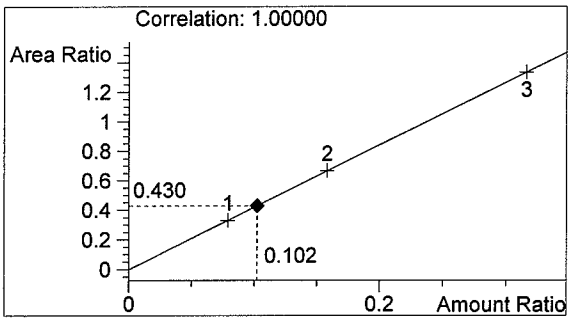
05023
ED FORMOSO

vial # 18

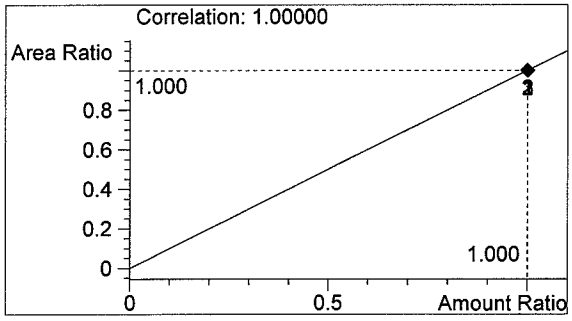


#	Compound	Area	RT
1	Ethanol	839	1.004
2	n-Propanol	1950	1.653

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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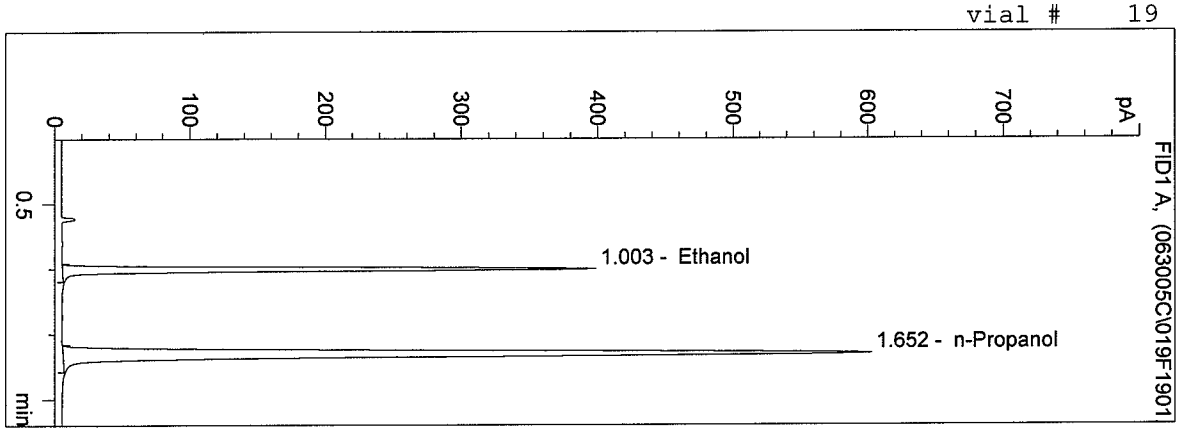
Instrument 4
DB-ALC1

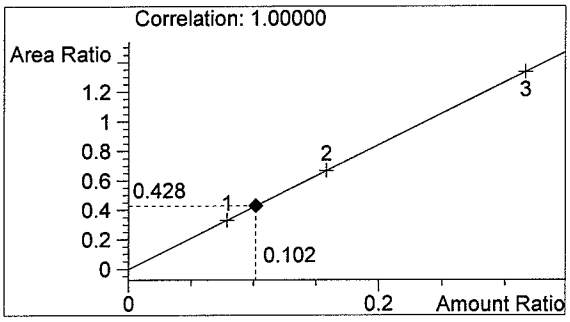
05023
ED FORMOSO

vial # 19

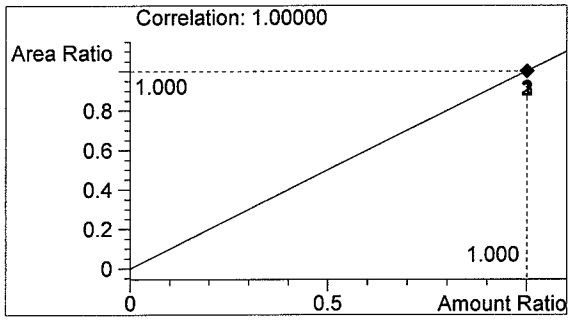


#	Compound	Area	RT
1	Ethanol	806	1.003
2	n-Propanol	1882	1.652

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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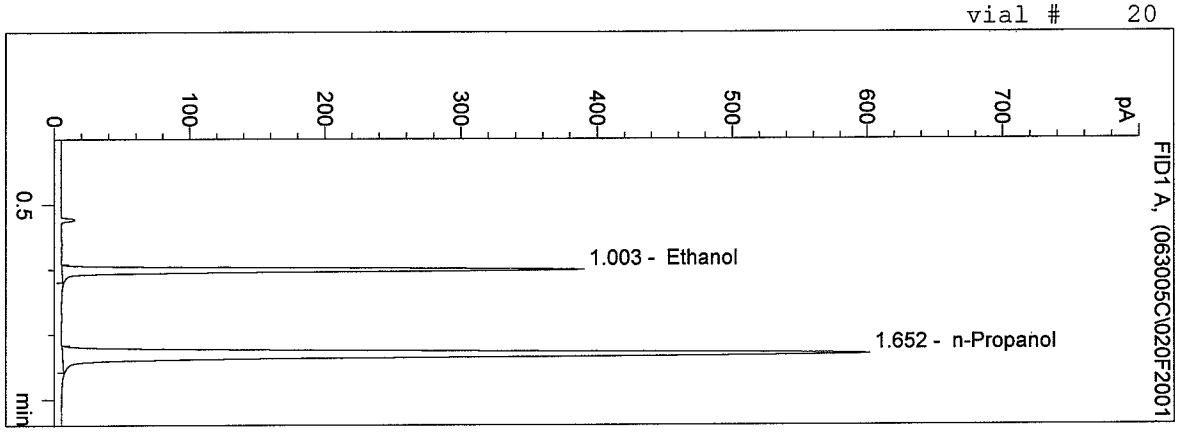
6/30/2005 7:39:31 AM
Instrument 4
DB-ALC1

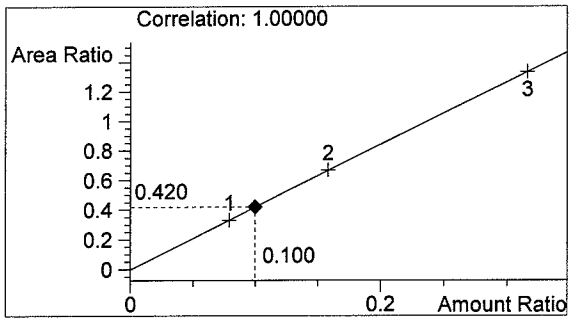
0.10 CONTROL
ED FORMOSO

vial # 20

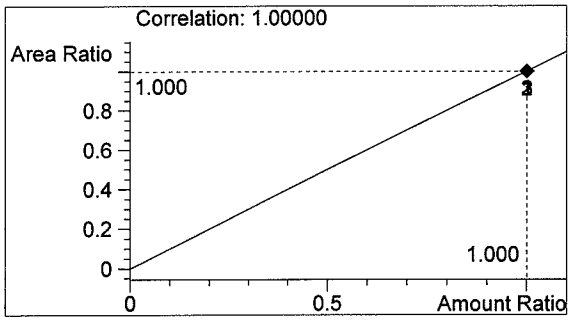


#	Compound	Area	RT
1	Ethanol	790	1.003
2	n-Propanol	1879	1.652

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

Calibration Table

Calib. Data Modified : Thursday, June 30, 2005 6:47:02 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Floating Average New 75%
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ng/ul]	Name
1	1.00000	n-Propanol

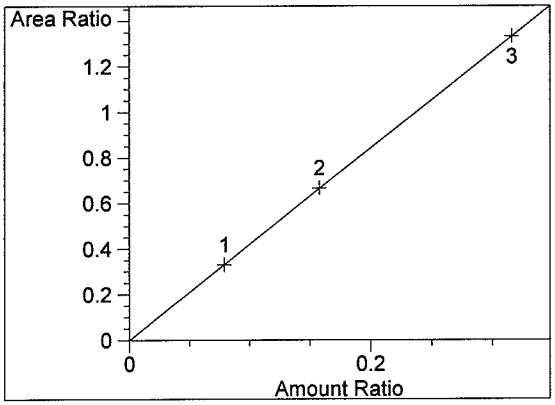
Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
1.003	1	1	7.90000e-2	619.17987	1.27588e-4		1	Ethanol
		2	1.58000e-1	1278.05017	1.23626e-4			
		3	3.16000e-1	2555.43921	1.23658e-4			
1.652	1	1	1.00000	1877.02917	5.32757e-4		I1	n-Propanol
		2	1.00000	1917.78320	5.21435e-4			
		3	1.00000	1918.03687	5.21366e-4			

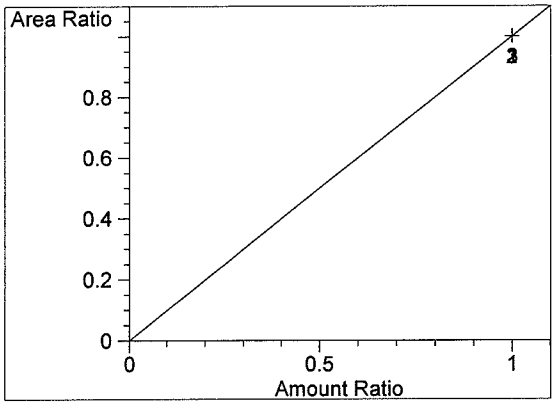
Peak Sum Table

No Entries in table

Calibration Curves



Ethanol at exp. RT: 1.003
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00193
Formula: y = mx + b
m: 4.21978
b: -1.23101e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.652
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/30/2005 6:35:02 AM
Instrument 4
DB-ALC1

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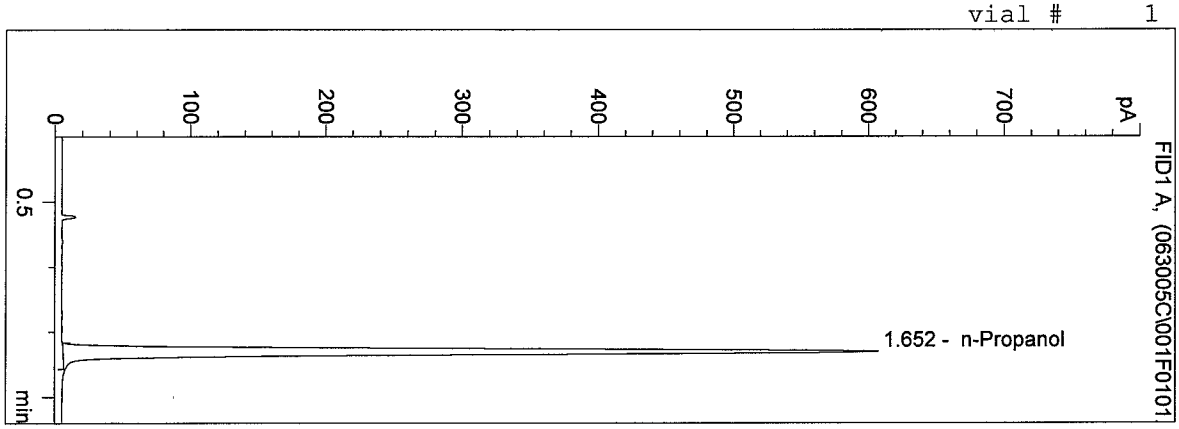
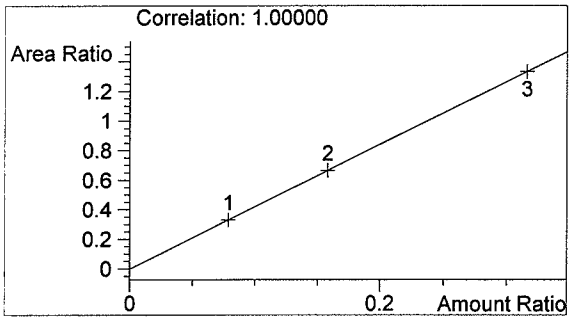
ED FORMOSO

vial # 1

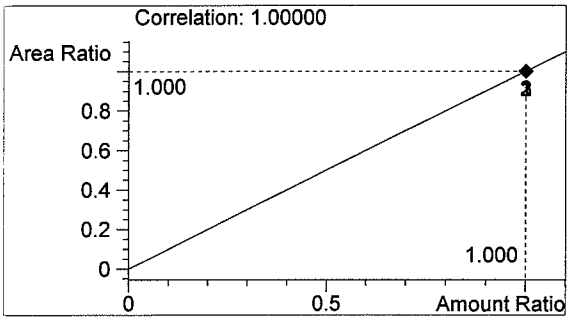


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1893	1.652

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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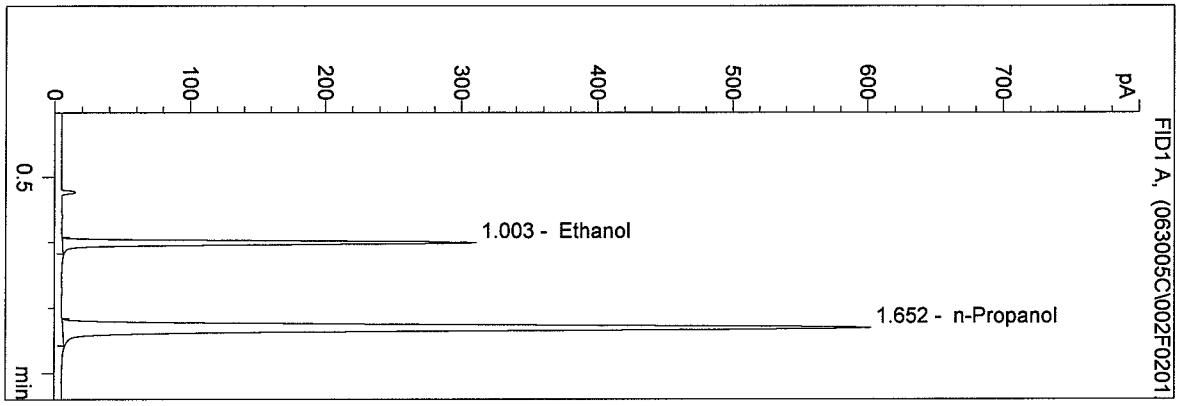
6/30/2005 6:38:19 AM
Instrument 4
DB-ALC1

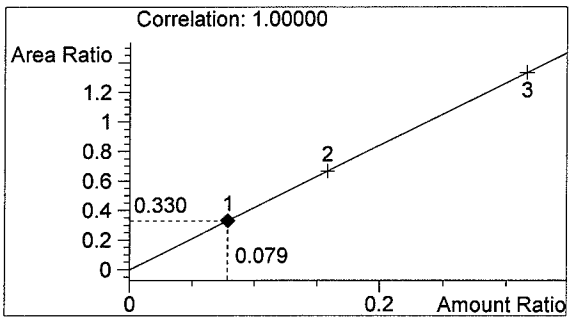
0.079 CAL
ED FORMOSO

vial # 2

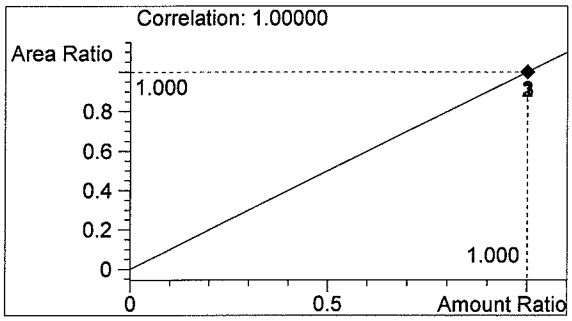


#	Compound	Area	RT
1	Ethanol	619	1.003
2	n-Propanol	1877	1.652

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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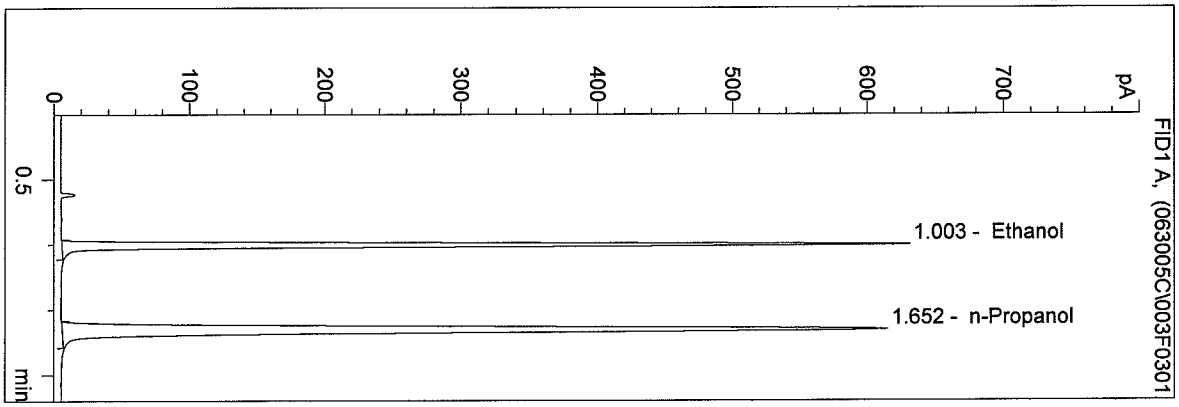
6/30/2005 6:41:36 AM
Instrument 4
DB-ALC1

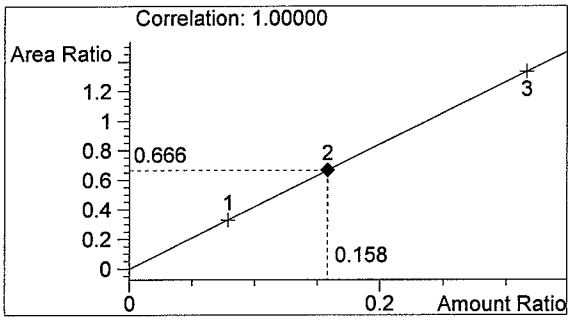
0.158 CAL
ED FORMOSO

vial # 3

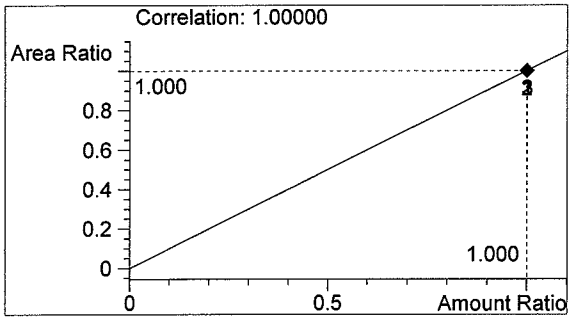


#	Compound	Area	RT
1	Ethanol	1278	1.003
2	n-Propanol	1918	1.652

Totals:



Ethanol 0.158 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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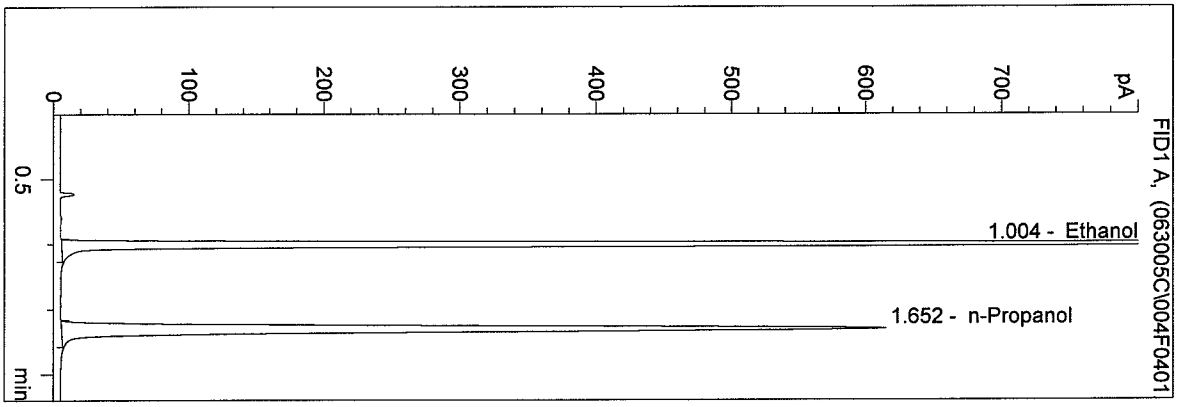
6/30/2005 6:44:49 AM
Instrument 4
DB-ALC1

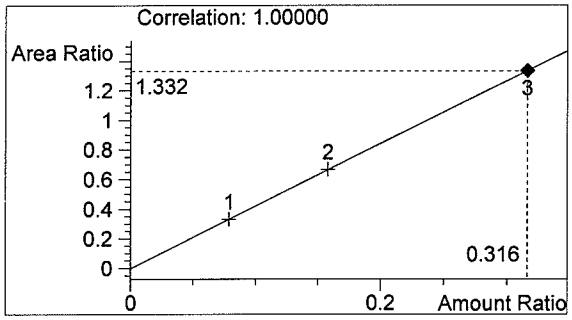
0.316 CAL
ED FORMOSO

vial # 4

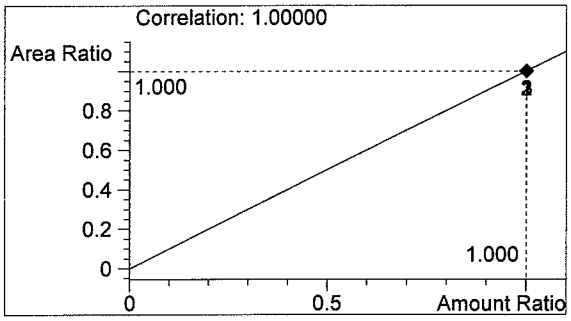


#	Compound	Area	RT
1	Ethanol	2555	1.004
2	n-Propanol	1918	1.652

Totals:



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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6/30/2005 6:48:02 AM
Instrument 4
DB-ALC1

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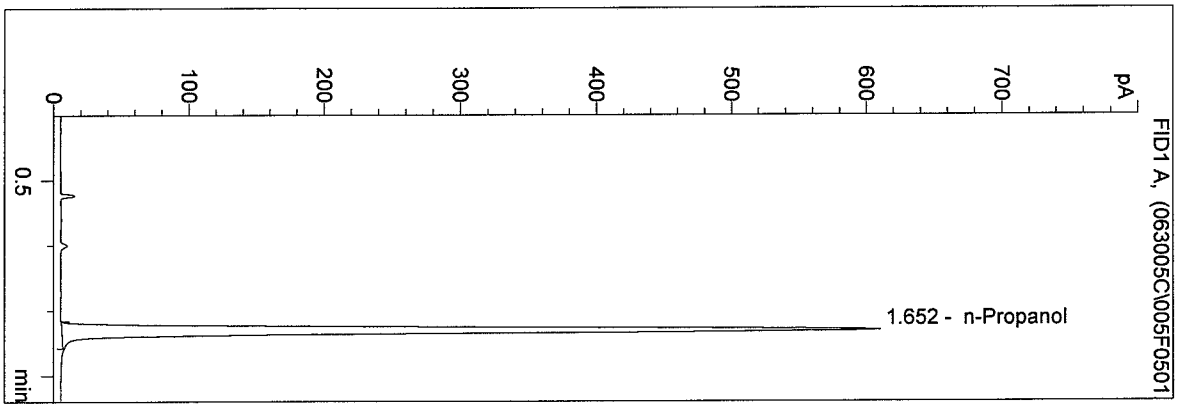
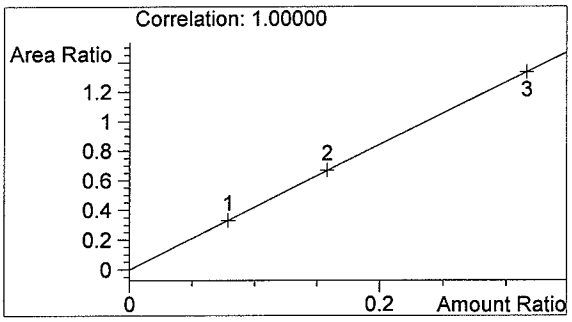
ED FORMOSO

vial # 5

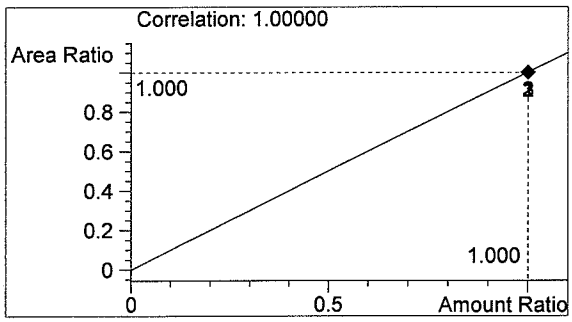


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1907	1.652

Totals:



Ethanol 0.000 g/100ml



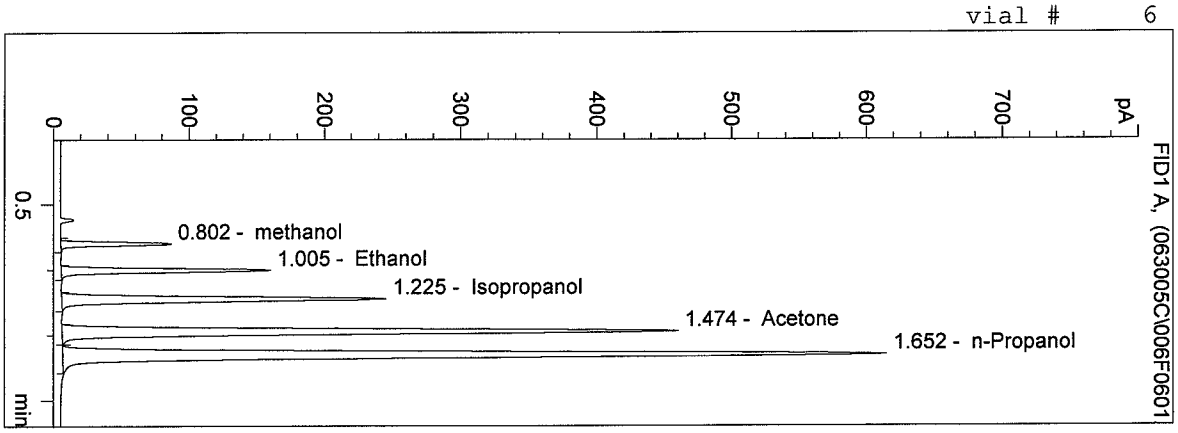
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\VOL.M
6/30/2005 6:51:14 AM
Instrument 4
DB-ALC1

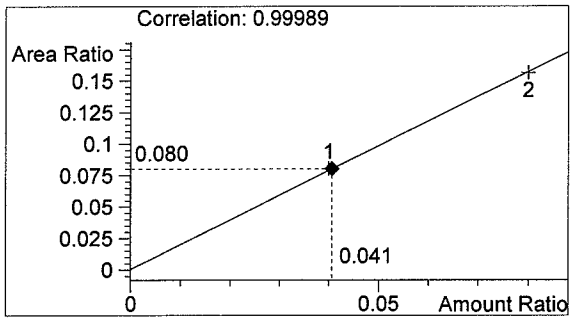
0.04 MIX
ED FORMOSO

vial # 6

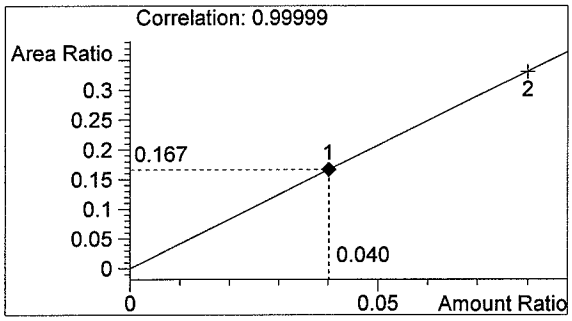


#	Compound	Area	RT
1	methanol	155	0.802
2	Ethanol	323	1.005
3	Isopropanol	625	1.225
4	Acetone	1282	1.474
5	n-Propanol	1935	1.652

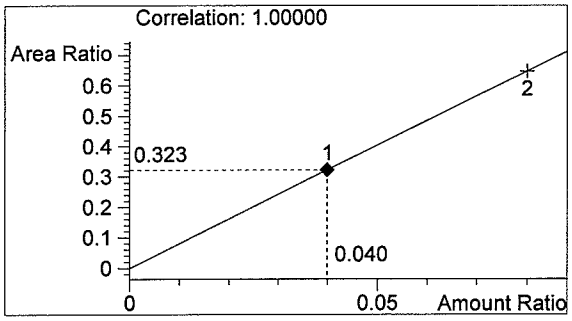
Totals:



methanol 0.041 g/100ml



Ethanol 0.040 g/100ml



Isopropanol 0.040 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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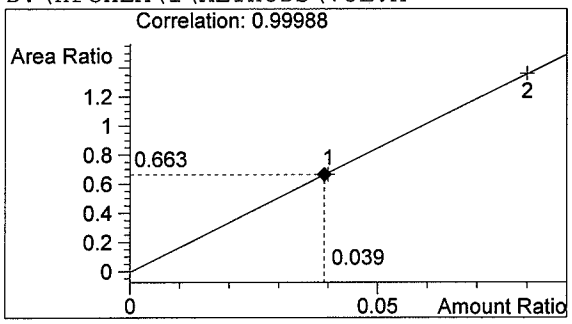
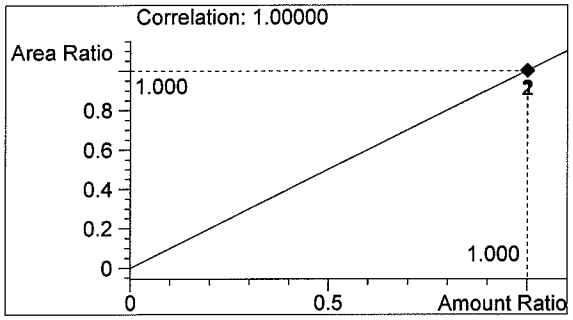


Acetone 0.039 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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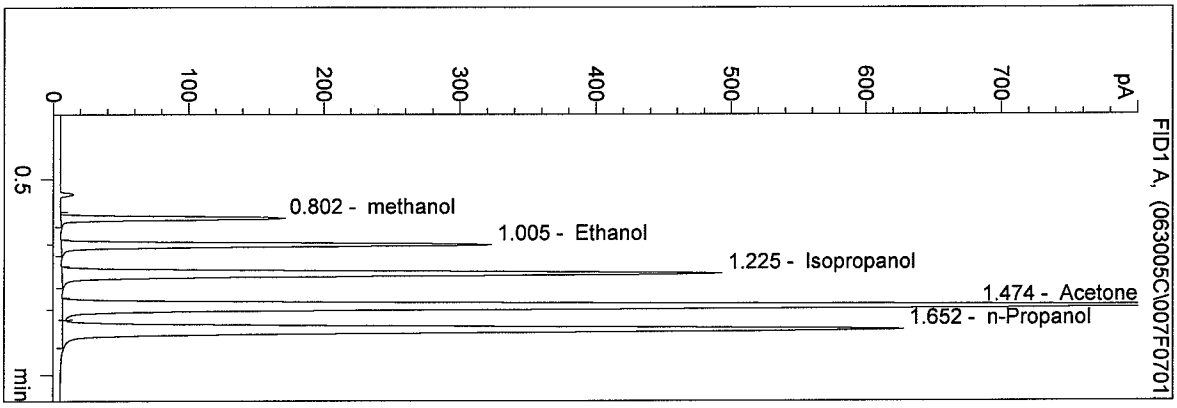
6/30/2005 6:56:50 AM
Instrument 4
DB-ALC1

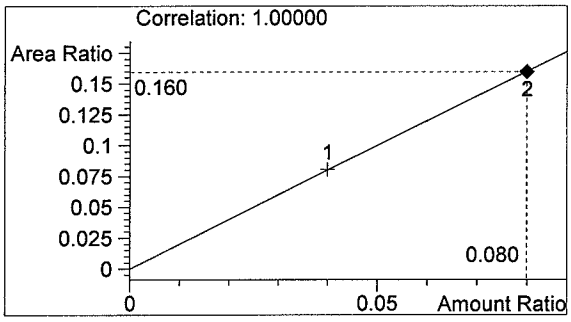
0.08 MIX
ED FORMOSO

vial # 7

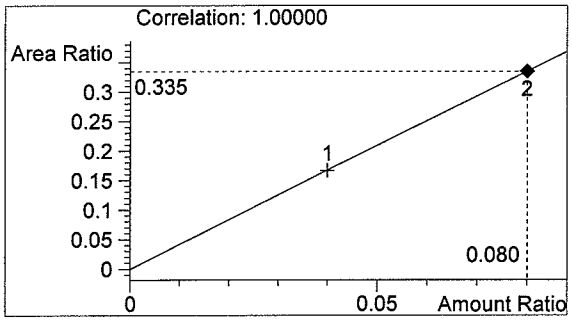


#	Compound	Area	RT
1	methanol	316	0.802
2	Ethanol	662	1.005
3	Isopropanol	1271	1.225
4	Acetone	2608	1.474
5	n-Propanol	1976	1.652

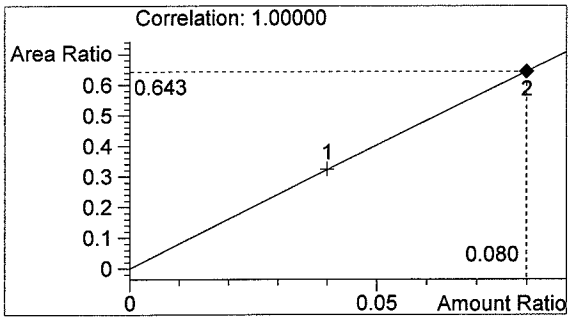
Totals:



methanol 0.080 g/100ml



Ethanol 0.080 g/100ml



Isopropanol 0.080 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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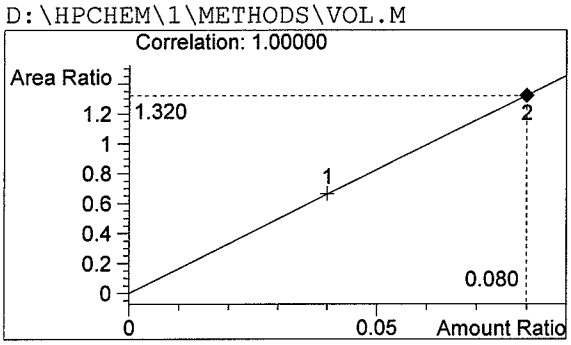
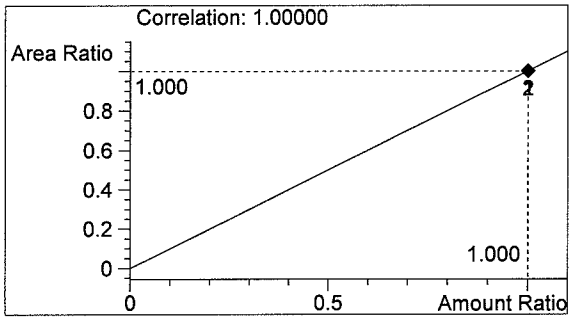


Acetone 0.080 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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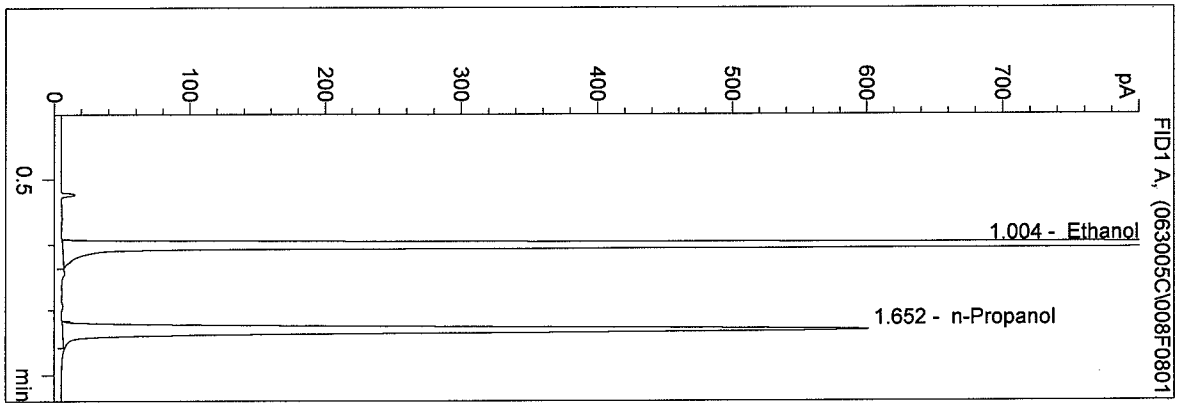
6/30/2005 7:00:05 AM
Instrument 4
DB-ALC1

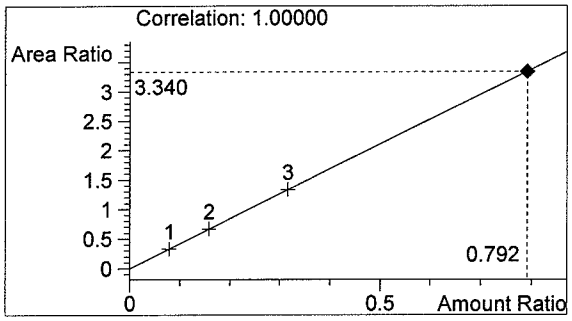
0.79 STD
ED FORMOSO

vial # 8

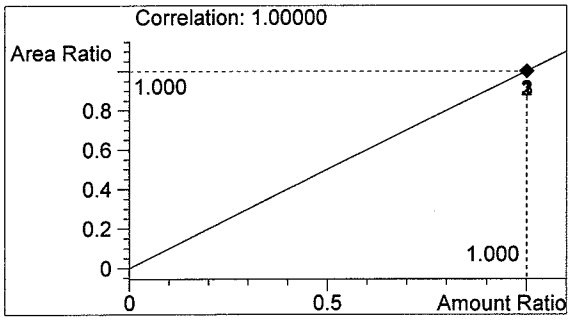


#	Compound	Area	RT
1	Ethanol	6265	1.004
2	n-Propanol	1876	1.652

Totals:



Ethanol 0.792 g/100ml



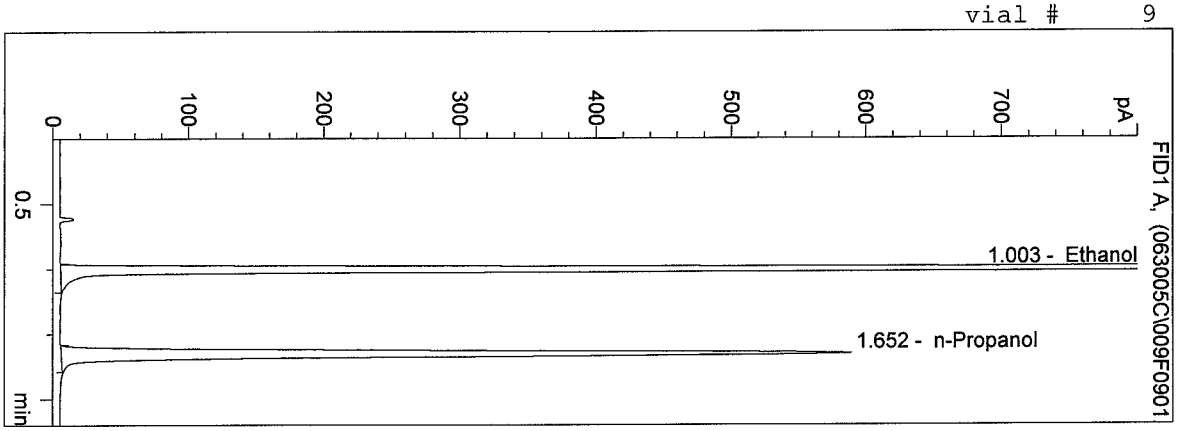
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/30/2005 7:03:24 AM
Instrument 4
DB-ALC1

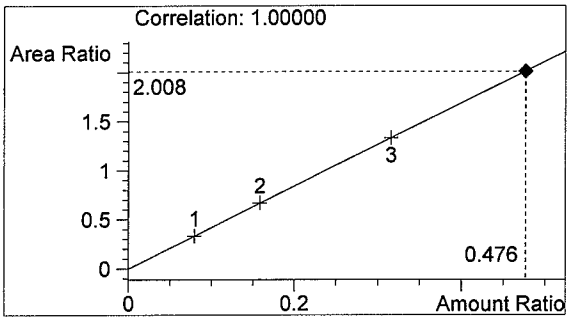
0.474 STD
ED FORMOSO

vial # 9

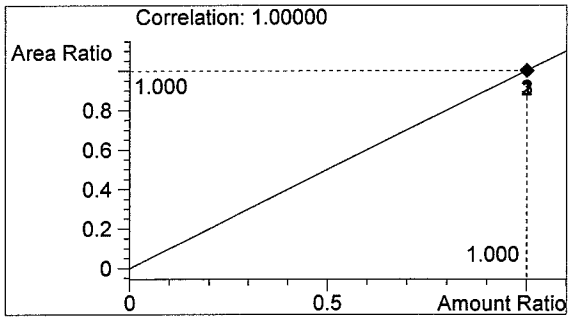


#	Compound	Area	RT
1	Ethanol	3692	1.003
2	n-Propanol	1839	1.652

Totals:



Ethanol 0.476 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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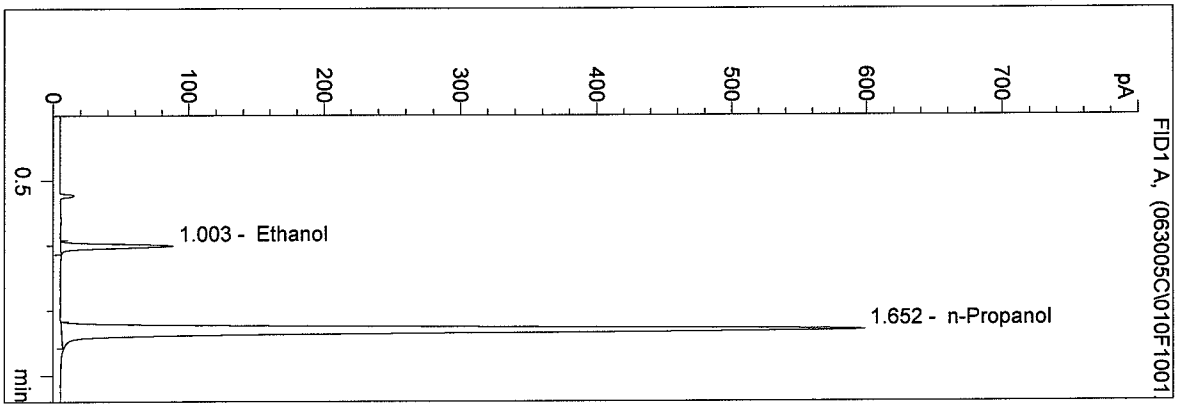
Instrument 4
DB-ALC1

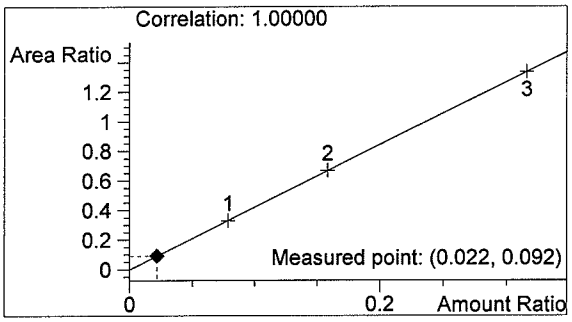
0.02 STD
ED FORMOSO

vial # 10

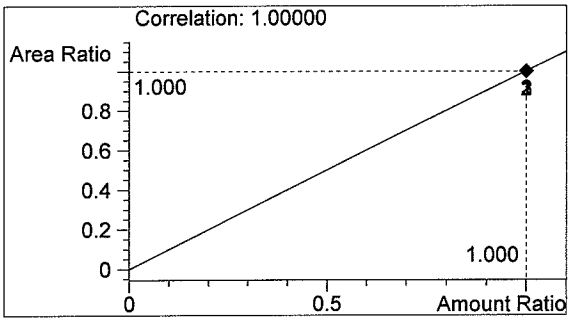


#	Compound	Area	RT
1	Ethanol	172	1.003
2	n-Propanol	1870	1.652

Totals:



Ethanol 0.022 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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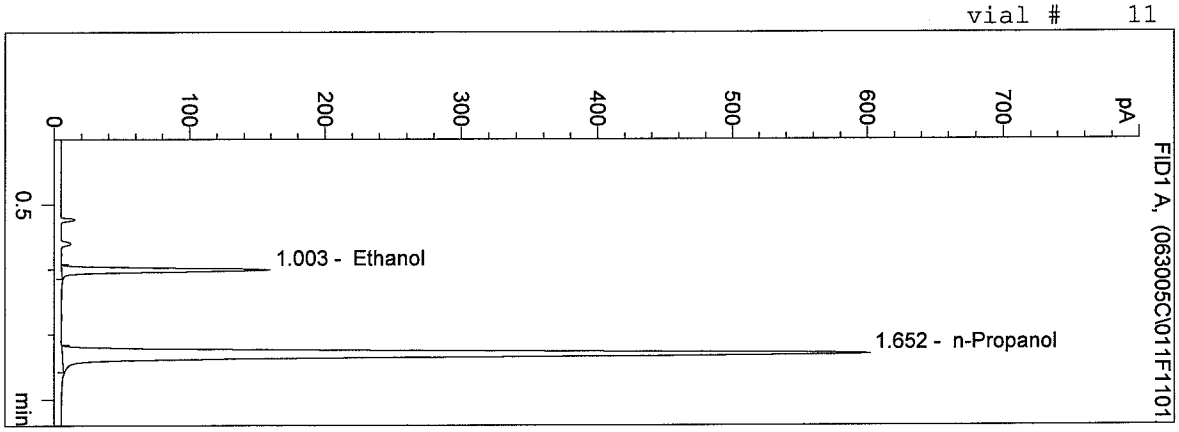
Instrument 4
DB-ALC1

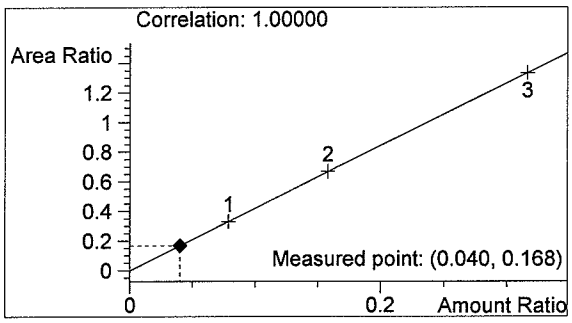
0.04 CONTROL-EF
ED FORMOSO

vial # 11

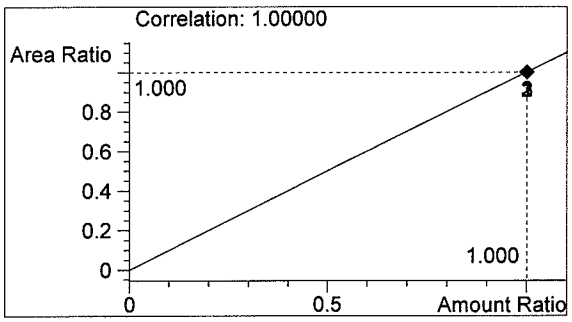


#	Compound	Area	RT
1	Ethanol	316	1.003
2	n-Propanol	1882	1.652

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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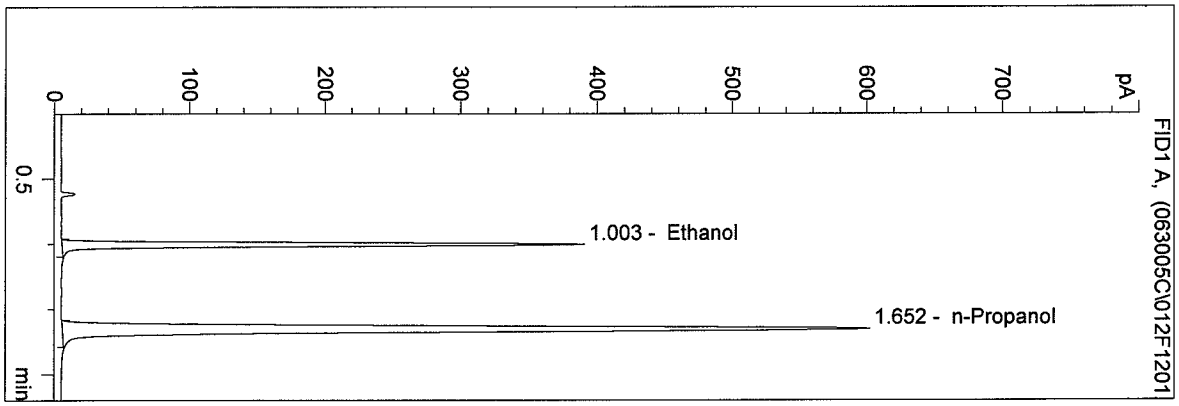
6/30/2005 7:13:15 AM
Instrument 4
DB-ALC1

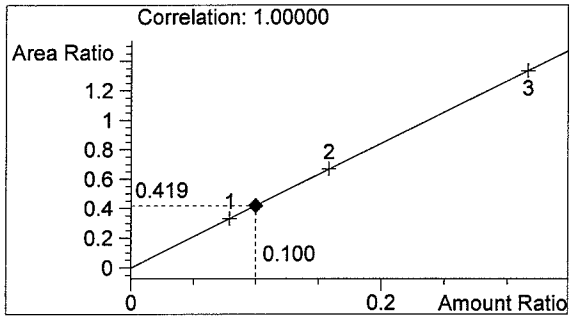
0.10 CONTROL-EF
ED FORMOSO

vial # 12

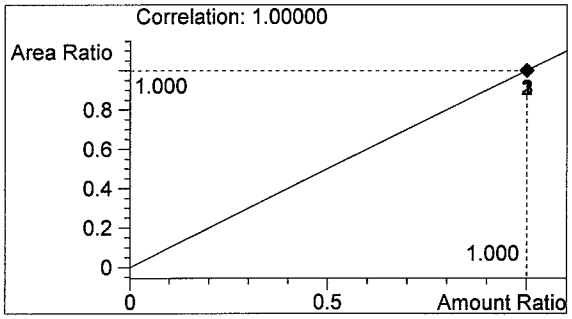


#	Compound	Area	RT
1	Ethanol	787	1.003
2	n-Propanol	1877	1.652

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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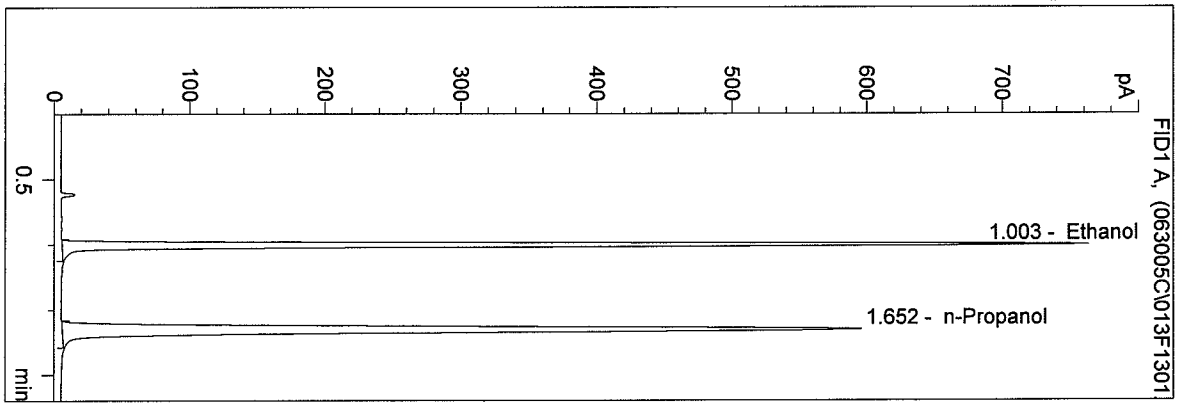
Instrument 4
DB-ALC1

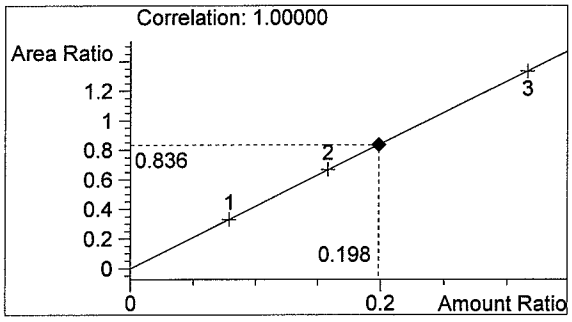
0.20 CONTROL-EF
ED FORMOSO

vial # 13

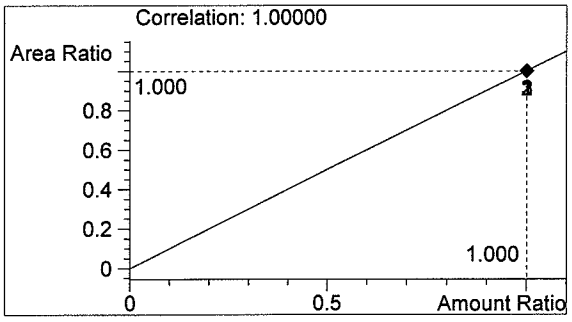


#	Compound	Area	RT
1	Ethanol	1555	1.003
2	n-Propanol	1860	1.652

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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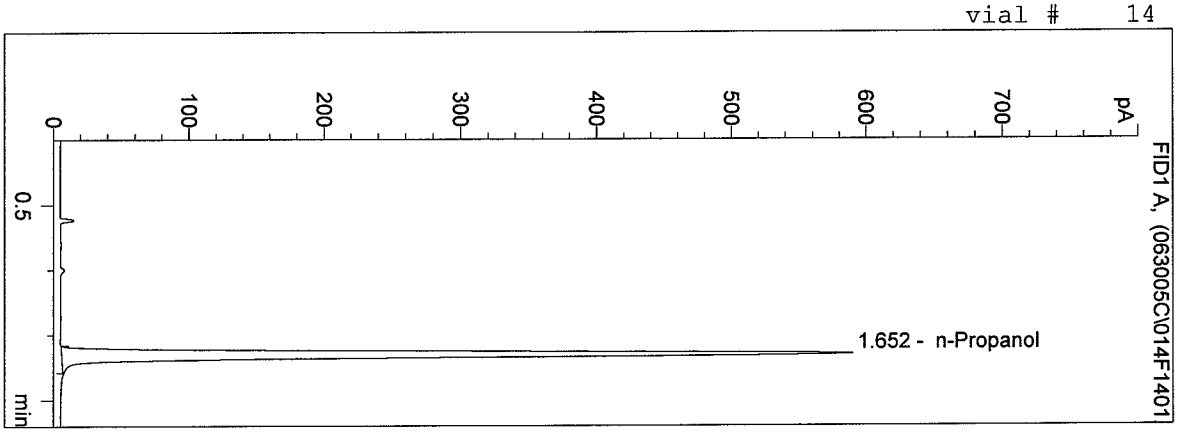
Instrument 4
DB-ALC1

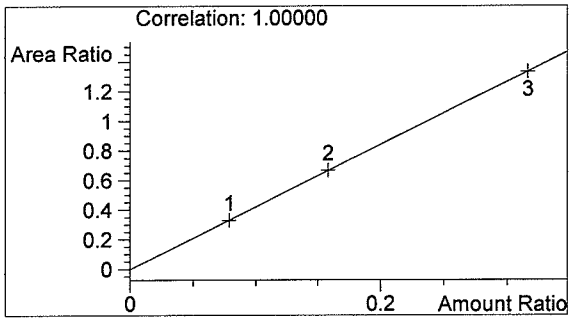
BLANK
ED FORMOSO

vial # 14

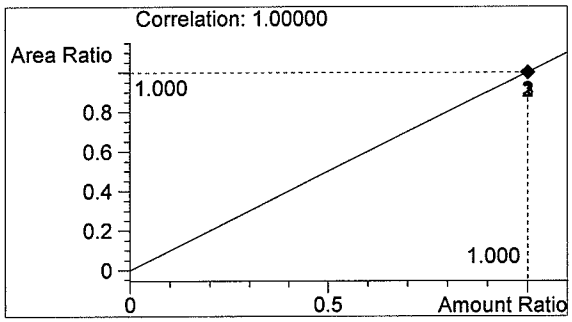


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1843	1.652

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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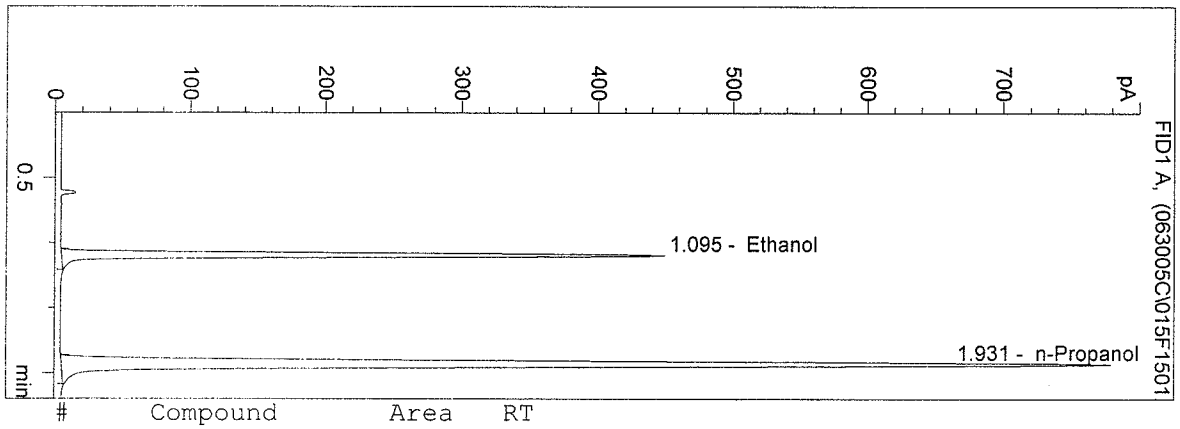
Instrument 5
DB-ALC2

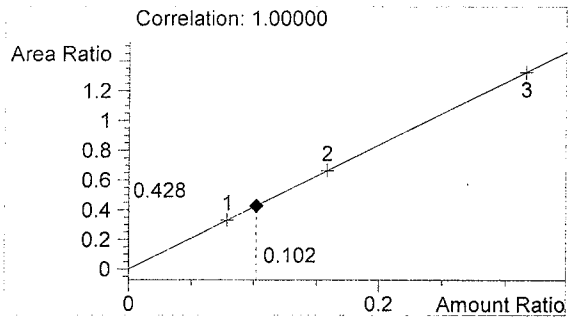
05023 - AMG
ED FORMOSO

vial # 15

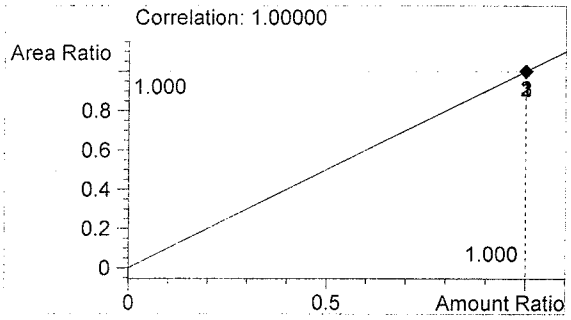


#	Compound	Area	RT
1	Ethanol	1019	1.095
2	n-Propanol	2382	1.931

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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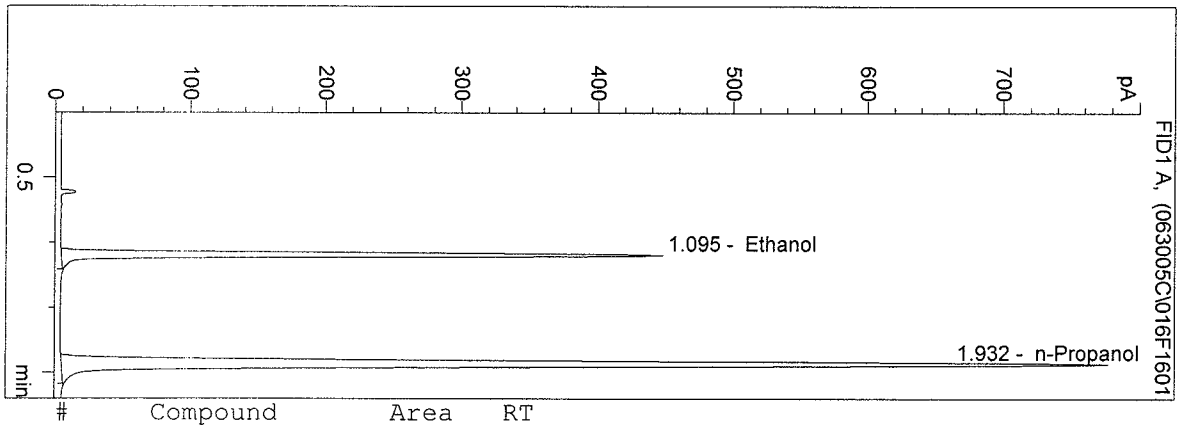
Instrument 5
DB-ALC2

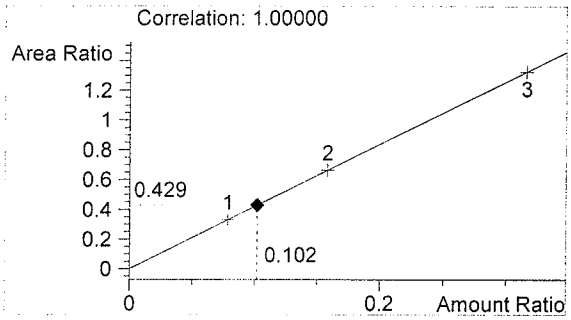
05023-AMG
ED FORMOSO

vial # 16

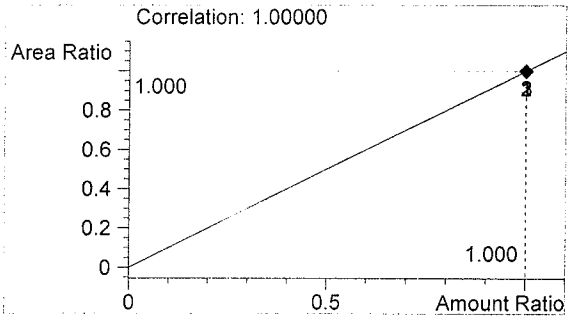


#	Compound	Area	RT
1	Ethanol	1019	1.095
2	n-Propanol	2376	1.932

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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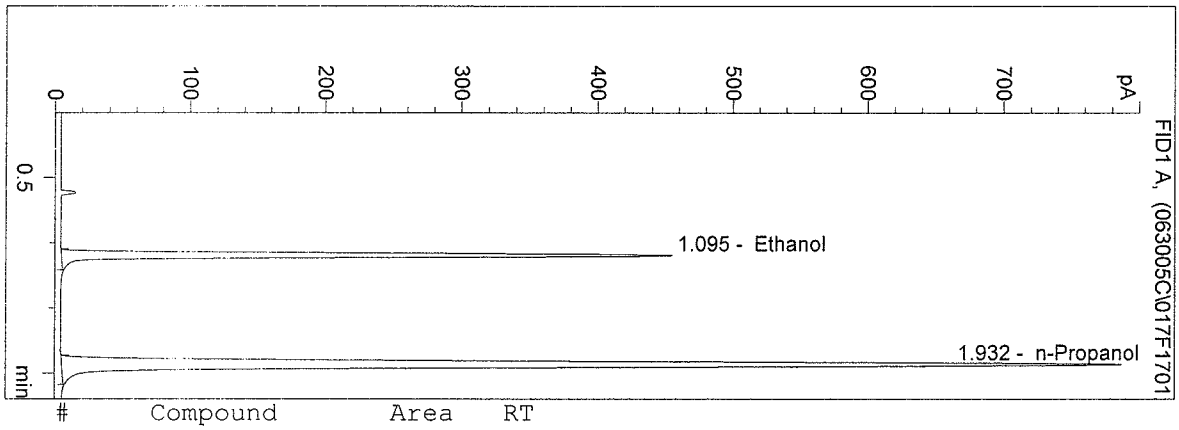
Instrument 5
DB-ALC2

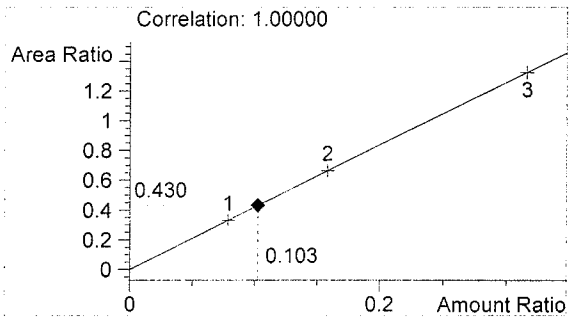
05023-AMG
ED FORMOSO

vial # 17

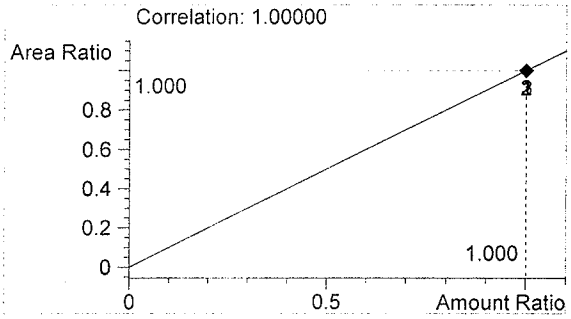


#	Compound	Area	RT
1	Ethanol	1035	1.095
2	n-Propanol	2405	1.932

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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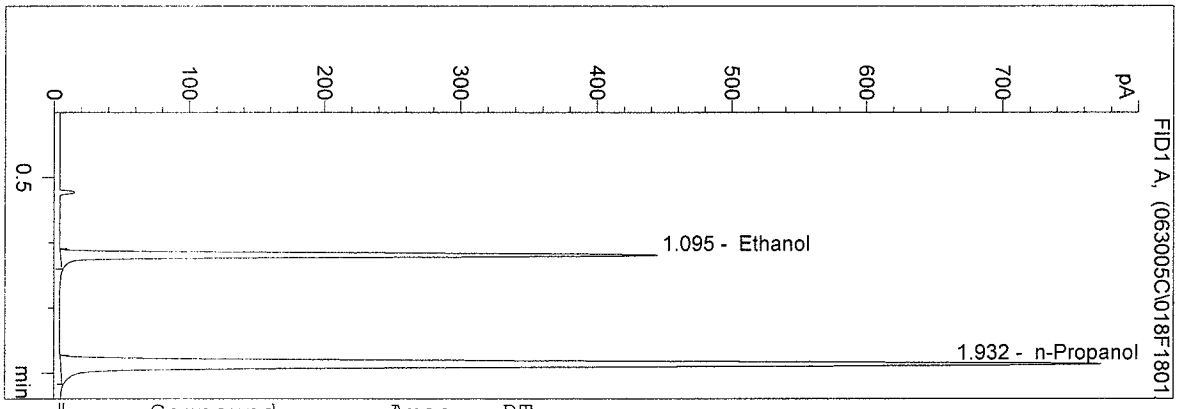
Instrument 5
DB-ALC2

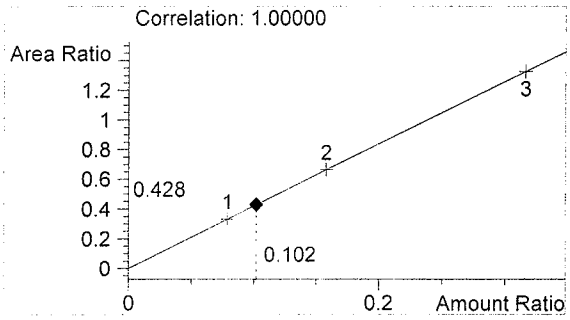
05023 -AMG
ED FORMOSO

vial # 18

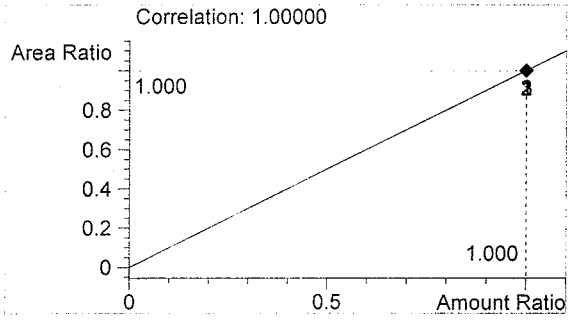


#	Compound	Area	RT
1	Ethanol	1011	1.095
2	n-Propanol	2361	1.932

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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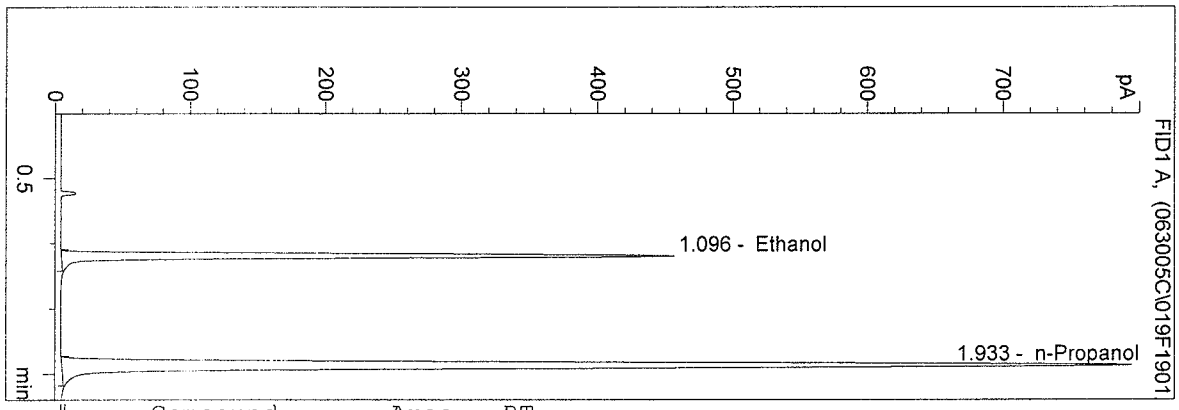
6/30/2005 8:01:22 AM
Instrument 5
DB-ALC2

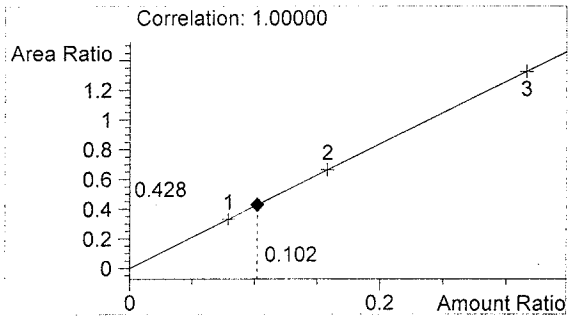
05023 - AMG
ED FORMOSO

vial # 19

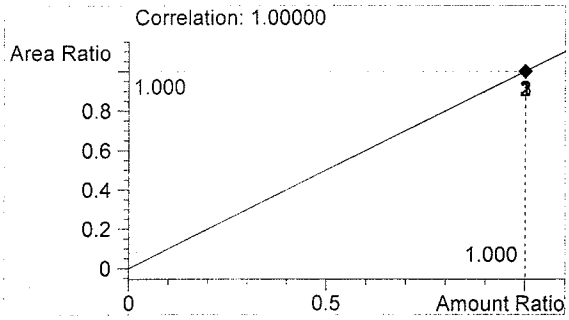


#	Compound	Area	RT
1	Ethanol	1044	1.096
2	n-Propanol	2436	1.933

Totals:



Ethanol 0.102 g/100ml



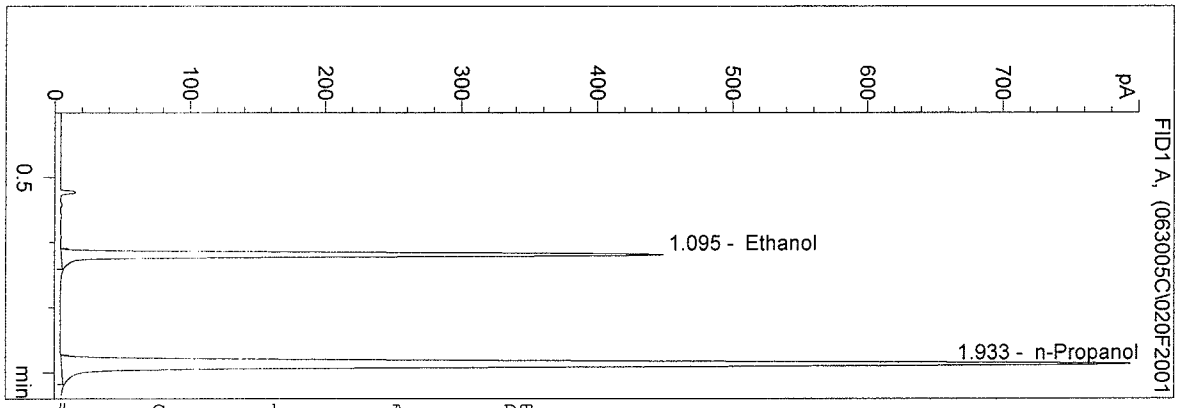
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 8:04:32 AM
Instrument 5
DB-ALC2

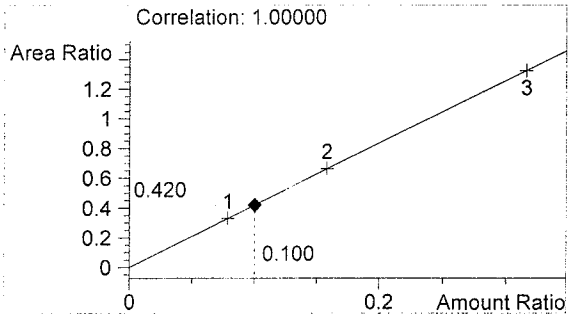
0.10 CONTROL - AmG
ED FORMOSO

vial # 20

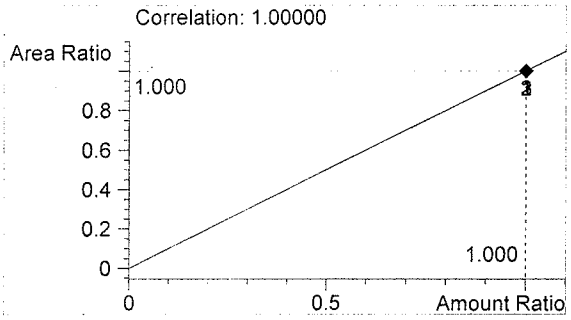


#	Compound	Area	RT
1	Ethanol	1020	1.095
2	n-Propanol	2427	1.933

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

Calibration Table

Calib. Data Modified : Thursday, June 30, 2005 6:53:32 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Floating Average New 75%
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [ng/ul]	Name
1	1.00000	n-Propanol

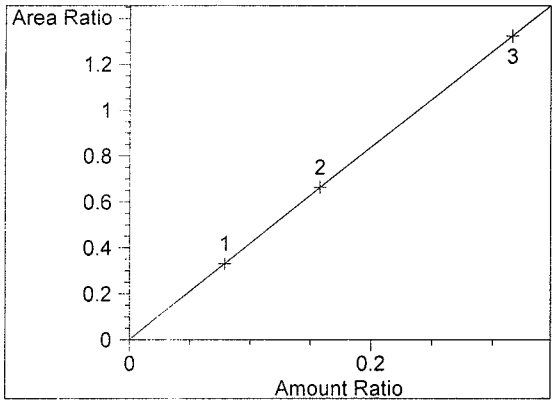
Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [ng/ul]	Area	Amt/Area	Ref	Grp	Name
1.095	1	1	7.90000e-2	790.26477	9.99665e-5	1		Ethanol
		2	1.58000e-1	1608.56445	9.82242e-5			
		3	3.16000e-1	3289.65601	9.60587e-5			
1.933	1	1	1.00000	2385.76196	4.19153e-4	I1		n-Propanol
		2	1.00000	2422.81055	4.12744e-4			
		3	1.00000	2484.37842	4.02515e-4			

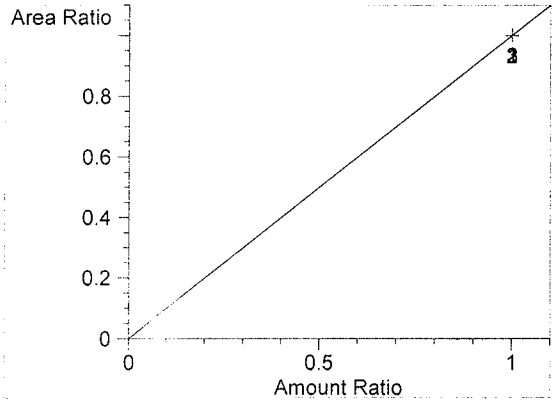
Peak Sum Table

No Entries in table

Calibration Curves



Ethanol at exp. RT: 1.095
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00110
Formula: y = mx + b
m: 4.19075
b: 4.54542e-4
x: Amount Ratio
y: Area Ratio



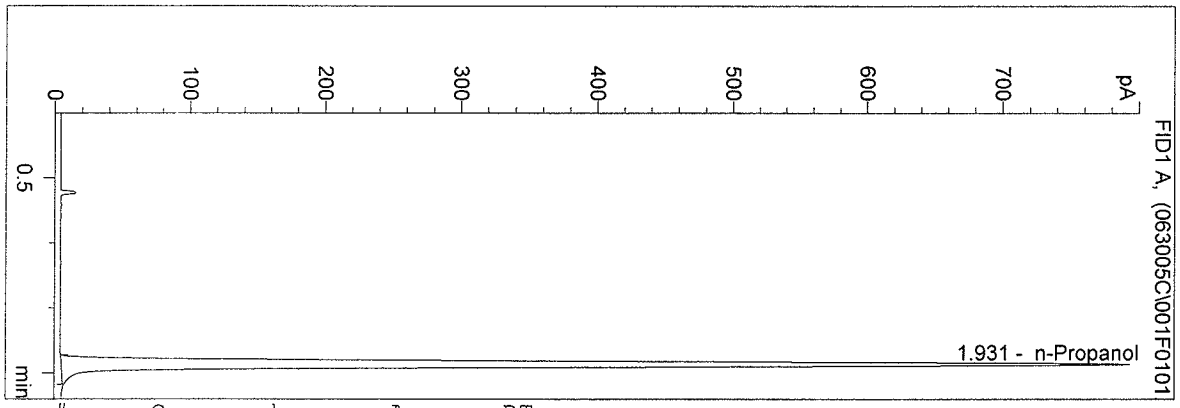
n-Propanol at exp. RT: 1.933
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 6:41:36 AM
Instrument 5
DB-ALC2

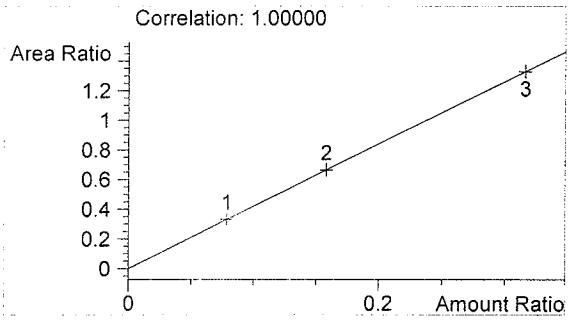
BLANK
ED FORMOSO

vial # 1

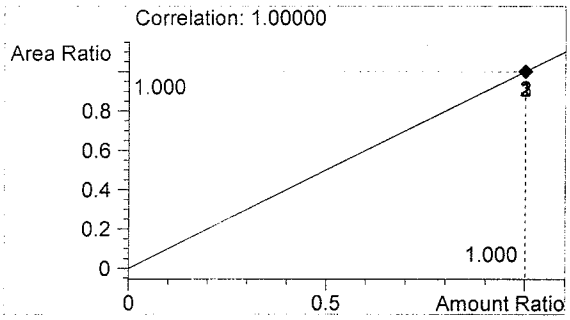


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2409	1.931

Totals:



Ethanol 0.000 g/100ml



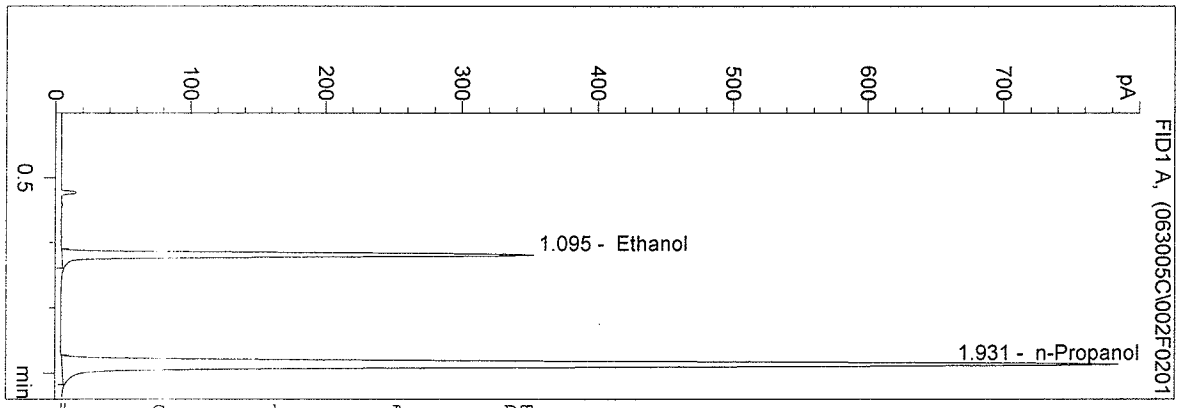
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 6:44:46 AM
Instrument 5
DB-ALC2

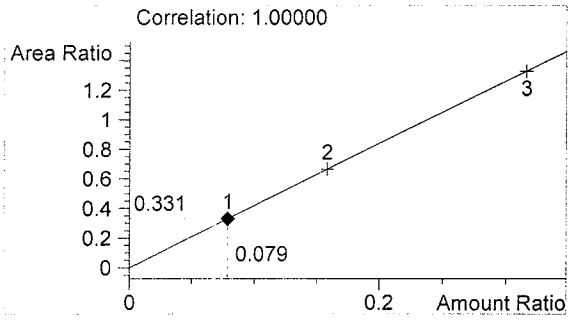
0.079 CAL
ED FORMOSO

vial # 2

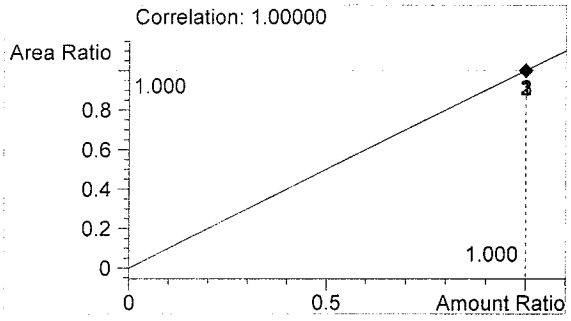


#	Compound	Area	RT
1	Ethanol	790	1.095
2	n-Propanol	2386	1.931

Totals:



Ethanol 0.079 g/100ml



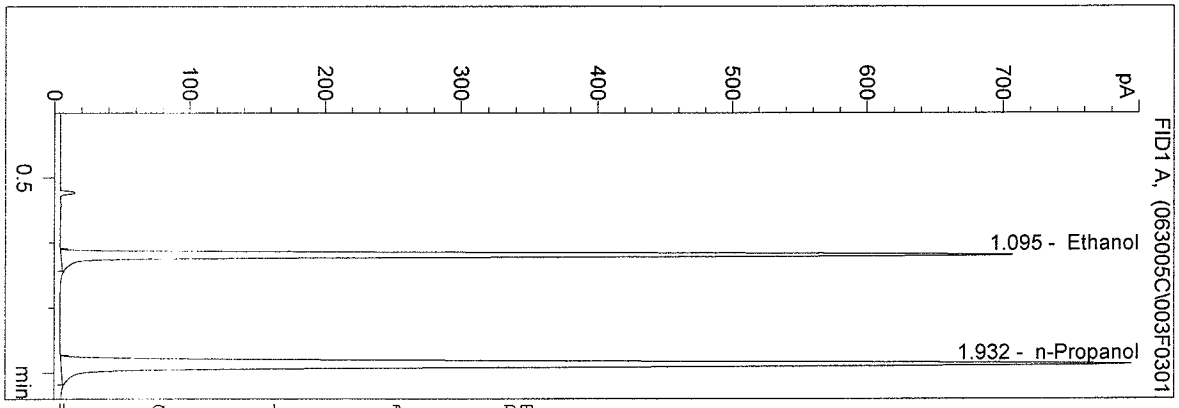
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 6:48:04 AM
Instrument 5
DB-ALC2

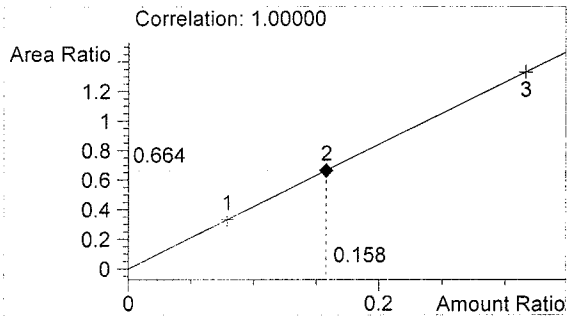
0.158 CAL
ED FORMOSO

vial # 3

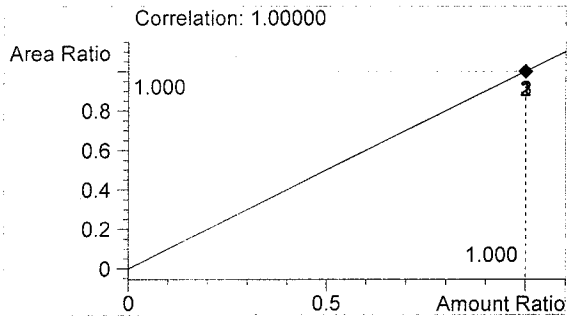


#	Compound	Area	RT
1	Ethanol	1609	1.095
2	n-Propanol	2423	1.932

Totals:



Ethanol 0.158 g/100ml



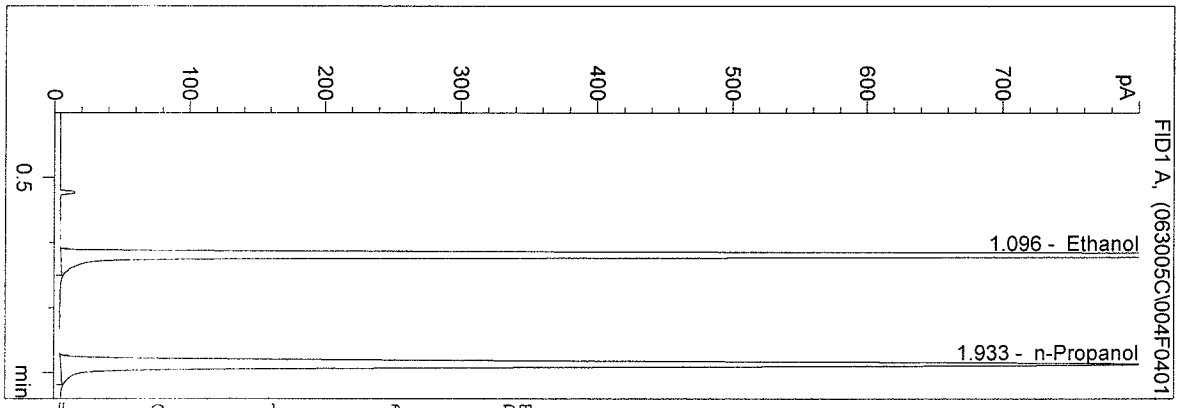
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 6:51:20 AM
Instrument 5
DB-ALC2

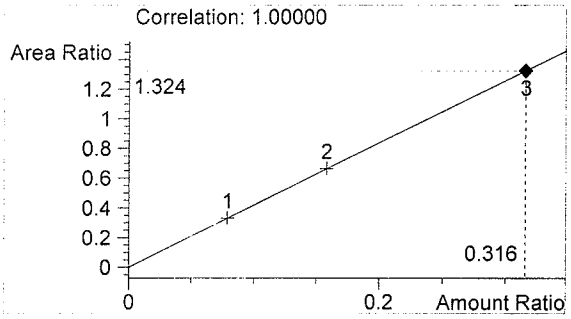
0.316 CAL
ED FORMOSO

vial # 4

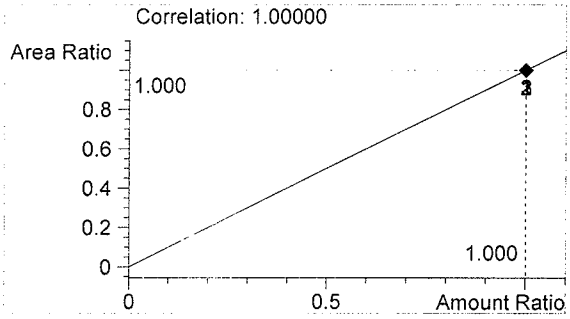


#	Compound	Area	RT
1	Ethanol	3290	1.096
2	n-Propanol	2484	1.933

Totals:



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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6/30/2005 6:54:35 AM
Instrument 5
DB-ALC2

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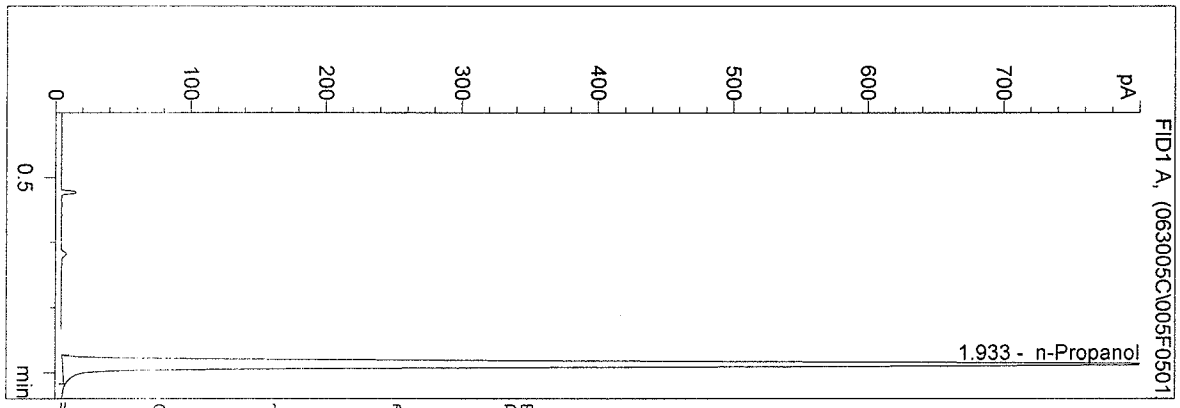
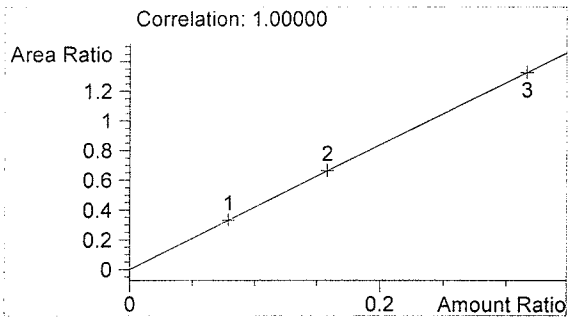
ED FORMOSO

vial # 5

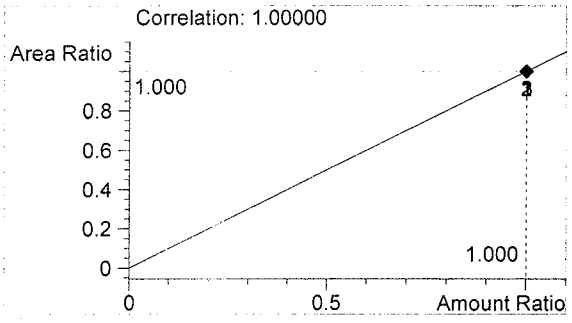


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2547	1.933

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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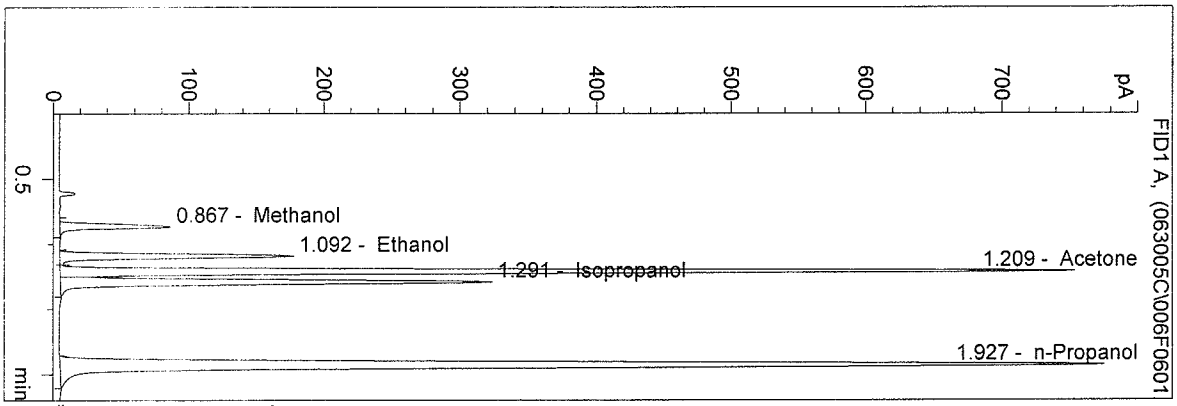
6/30/2005 7:07:28 AM
Instrument 5
DB-ALC2

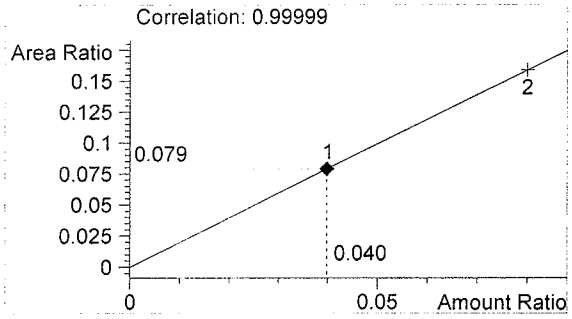
0.04 MIX
ED FORMOSO

vial # 6

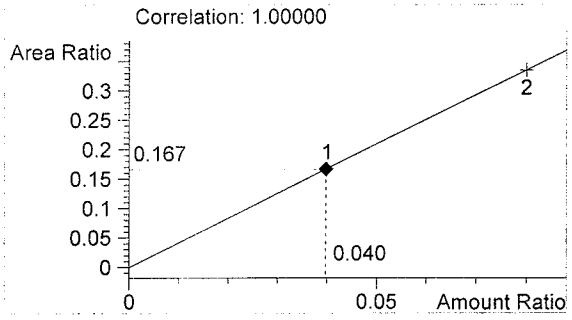


#	Compound	Area	RT
1	Methanol	187	0.867
2	Ethanol	395	1.092
3	Acetone	1588	1.209
4	Isopropanol	796	1.291
5	n-Propanol	2370	1.927

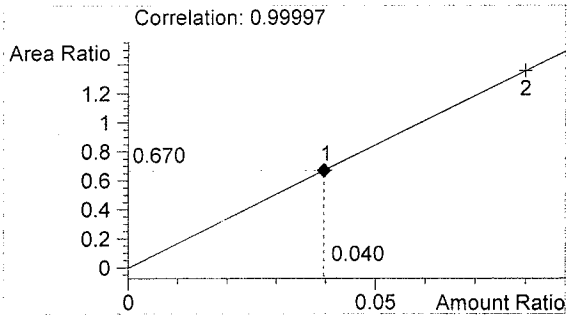
Totals:



Methanol 0.040 g/100ml



Ethanol 0.040 g/100ml



Acetone 0.040 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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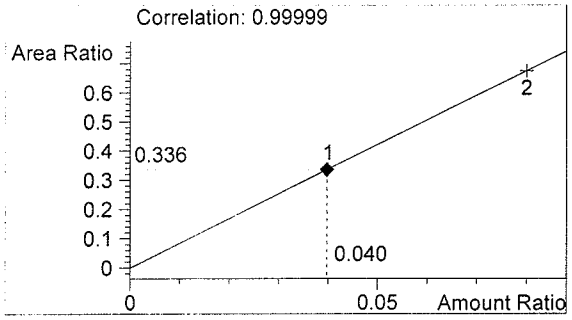
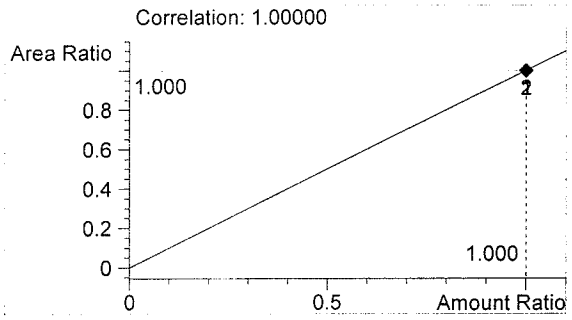


Isopropanol 0.040 g/100ml



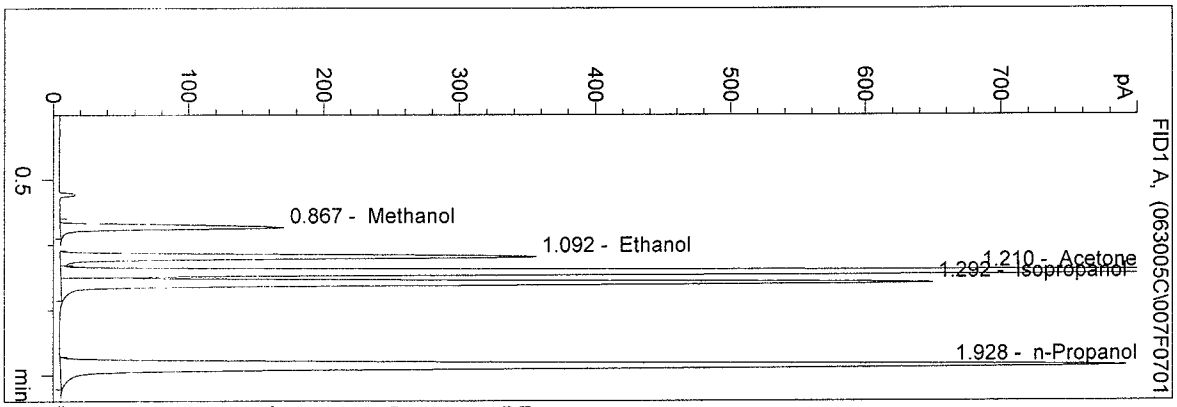
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\VOL.M
6/30/2005 7:10:46 AM
Instrument 5
DB-ALC2

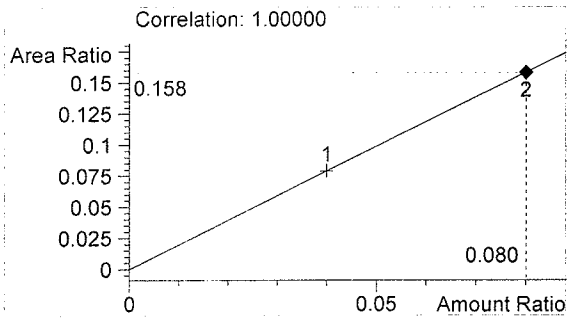
0.08 MIX
ED FORMOSO

vial # 7

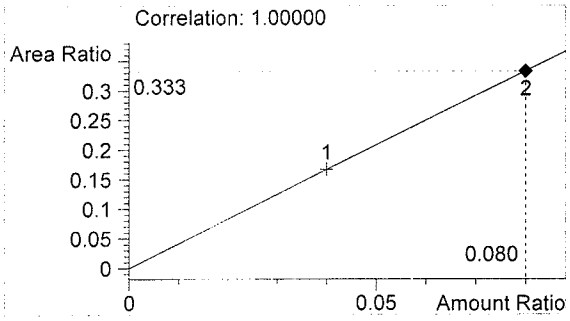


#	Compound	Area	RT
1	Methanol	384	0.867
2	Ethanol	808	1.092
3	Acetone	3215	1.210
4	Isopropanol	1622	1.292
5	n-Propanol	2428	1.928

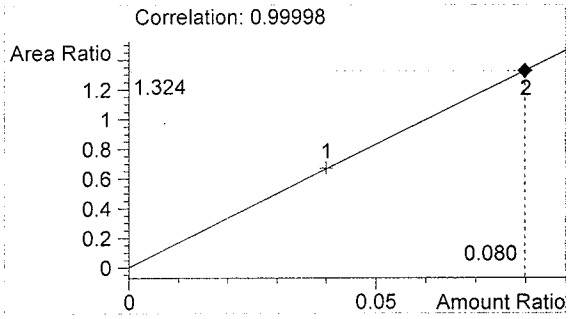
Totals:



Methanol 0.080 g/100ml



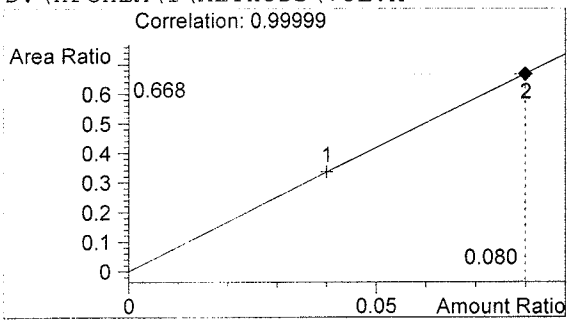
Ethanol 0.080 g/100ml



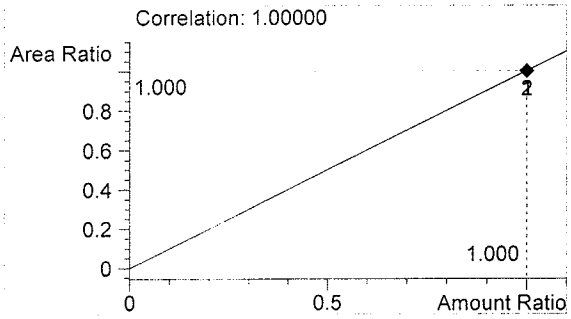
Acetone 0.080 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\VOL.M



Isopropanol 0.080 g/100ml



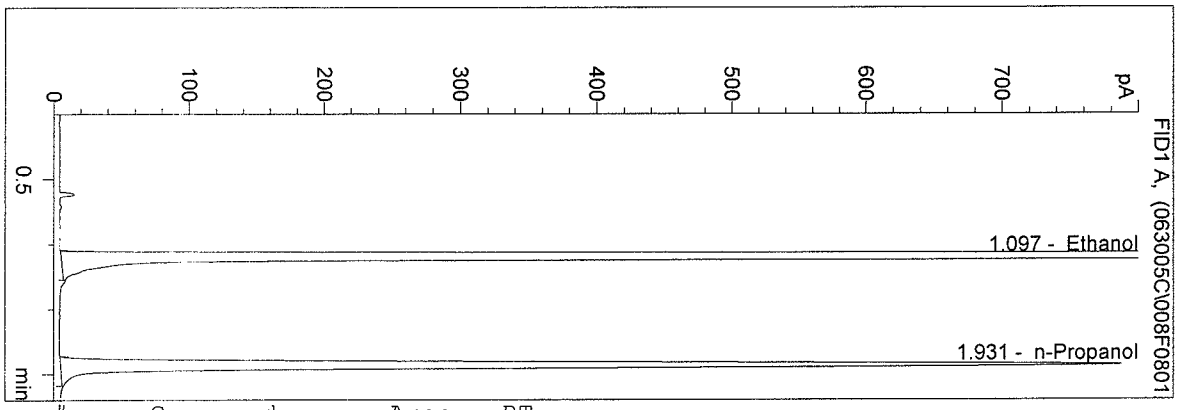
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:23:36 AM
Instrument 5
DB-ALC2

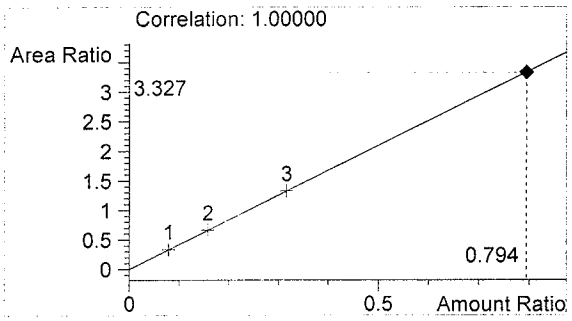
0.79 STD
ED FORMOSO

vial # 8

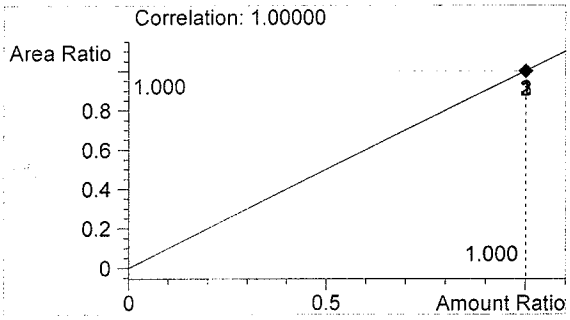


#	Compound	Area	RT
1	Ethanol	7988	1.097
2	n-Propanol	2401	1.931

Totals:



Ethanol 0.794 g/100ml



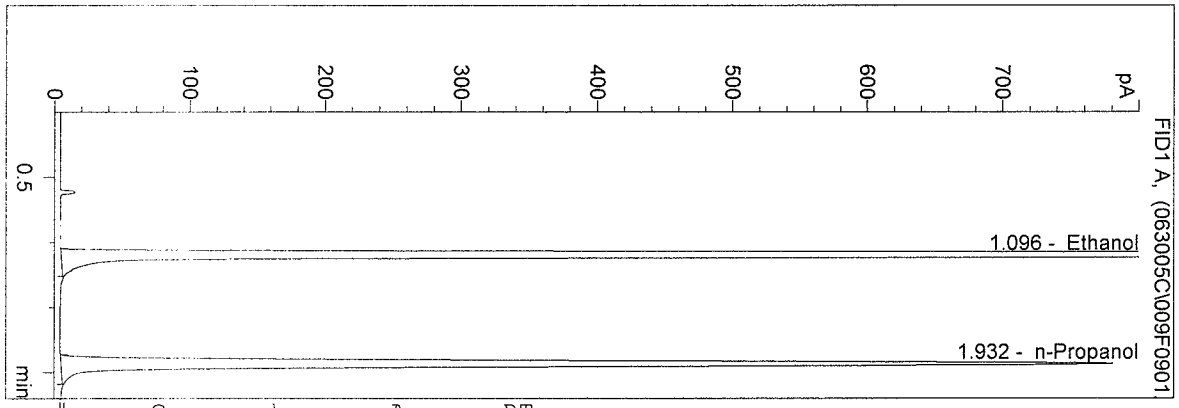
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:26:47 AM
Instrument 5
DB-ALC2

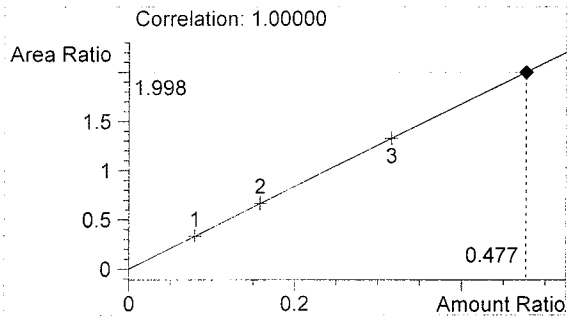
0.474 STD
ED FORMOSO

vial # 9

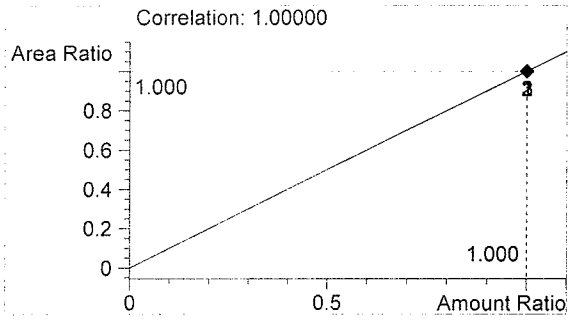


#	Compound	Area	RT
1	Ethanol	4764	1.096
2	n-Propanol	2385	1.932

Totals:



Ethanol 0.477 g/100ml



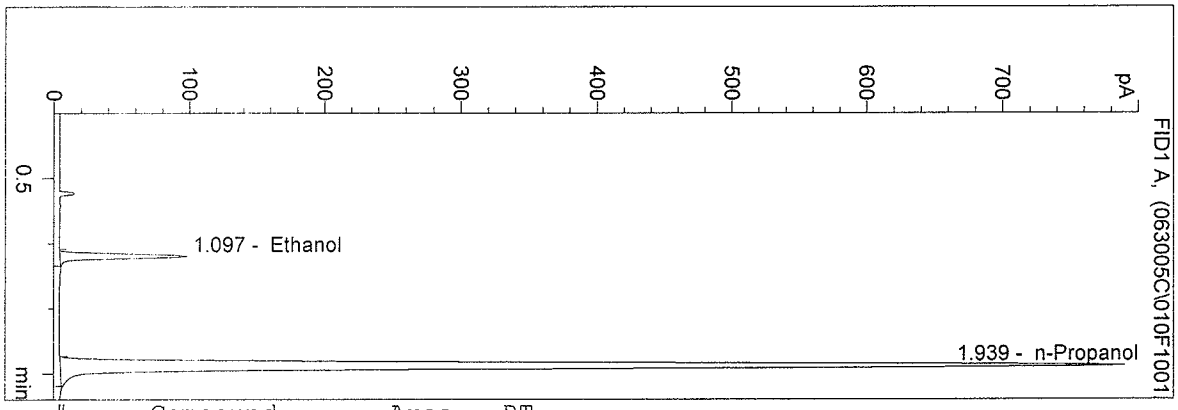
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:29:56 AM
Instrument 5
DB-ALC2

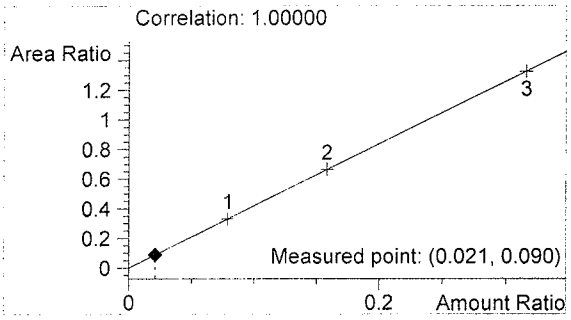
0.02 STD
ED FORMOSO

vial # 10

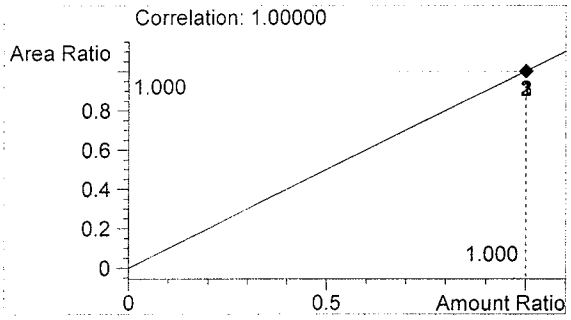


#	Compound	Area	RT
1	Ethanol	220	1.097
2	n-Propanol	2449	1.939

Totals:



Ethanol 0.021 g/100ml



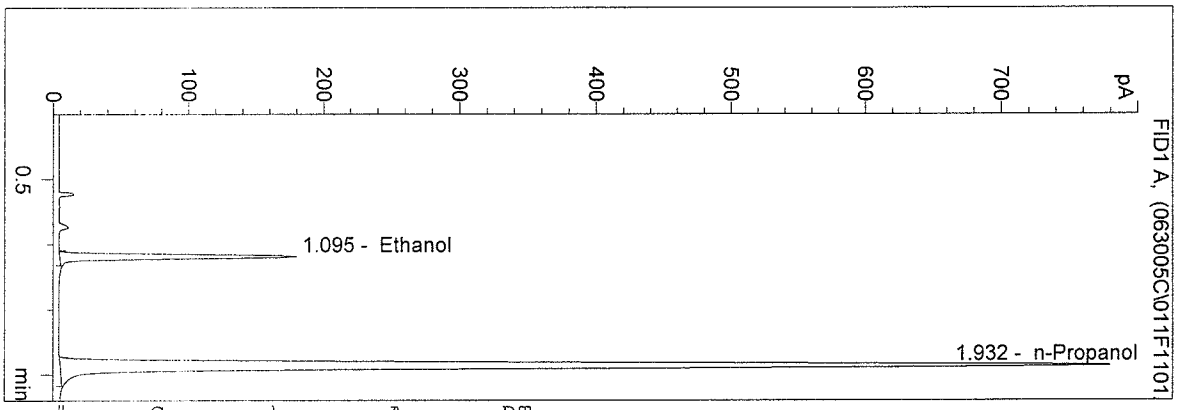
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:33:12 AM
Instrument 5
DB-ALC2

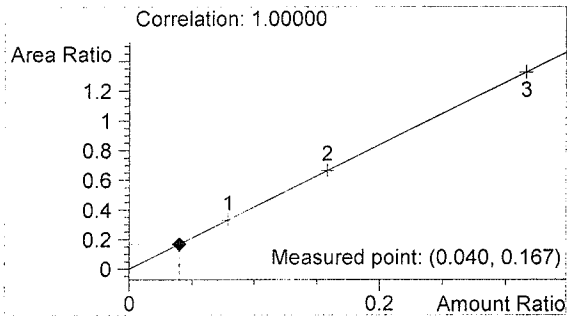
0.04 CONTROL-EF
ED FORMOSO

vial # 11

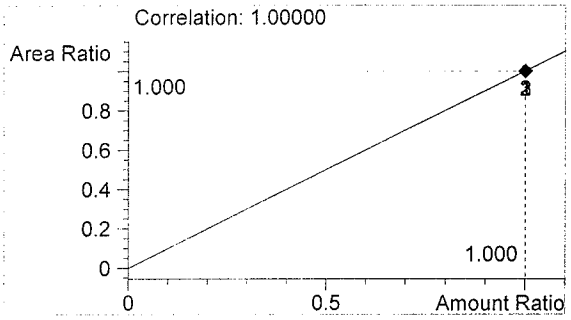


#	Compound	Area	RT
1	Ethanol	398	1.095
2	n-Propanol	2380	1.932

Totals:



Ethanol 0.040 g/100ml



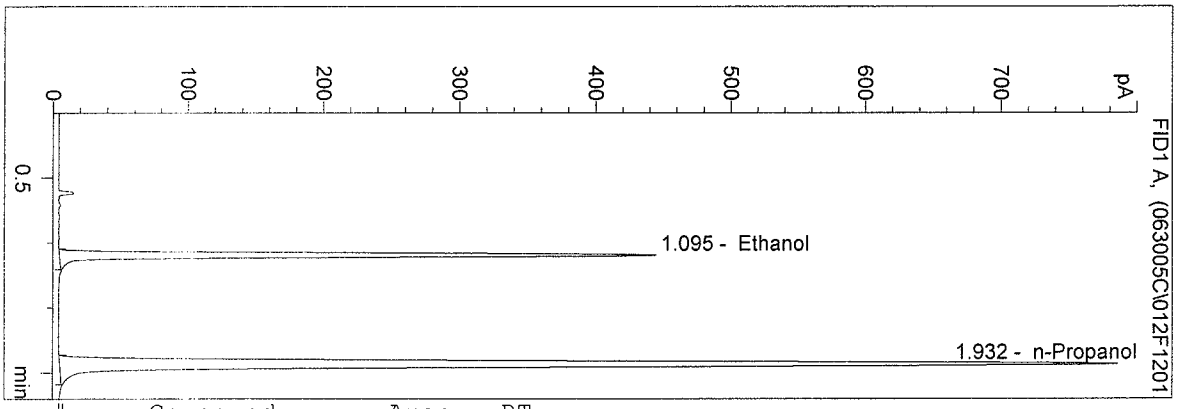
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:36:29 AM
Instrument 5
DB-ALC2

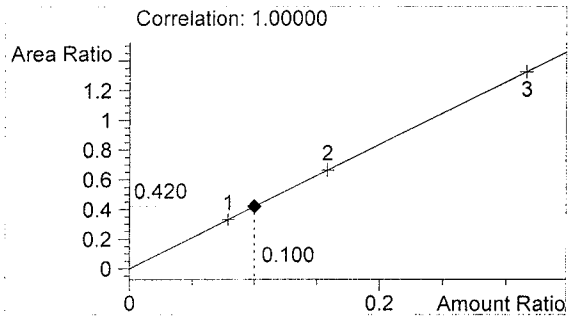
0.10 CONTROL-EF
ED FORMOSO

vial # 12

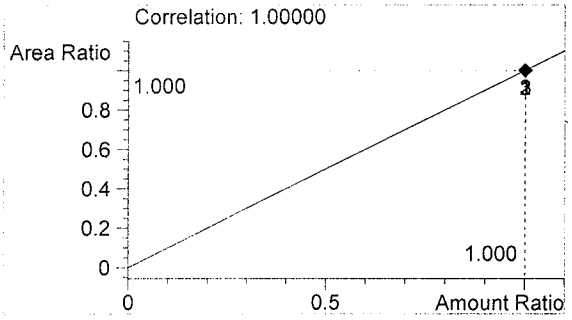


#	Compound	Area	RT
1	Ethanol	1007	1.095
2	n-Propanol	2397	1.932

Totals:



Ethanol 0.100 g/100ml



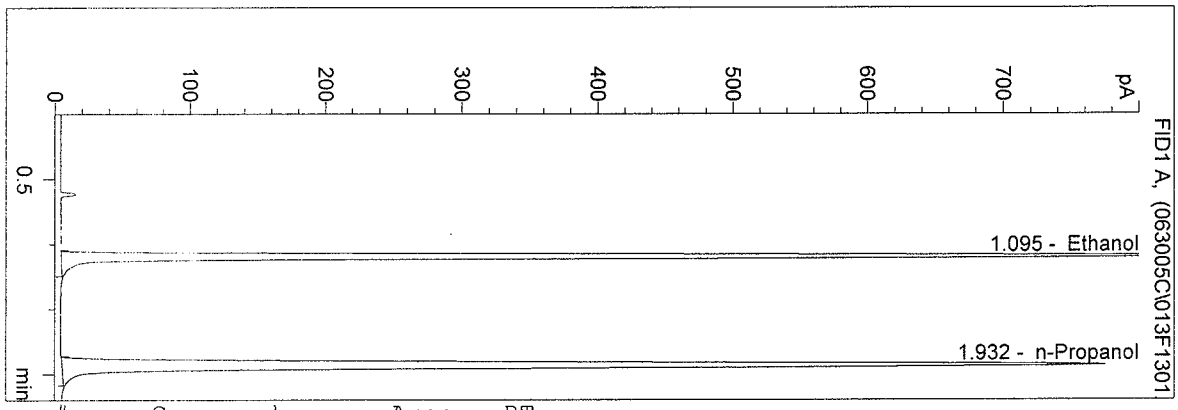
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
6/30/2005 7:39:43 AM
Instrument 5
DB-ALC2

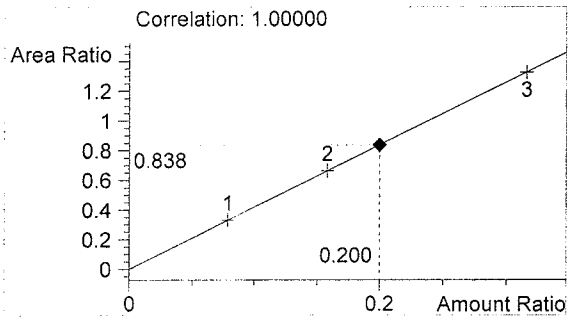
0.20 CONTROL-EF
ED FORMOSO

vial # 13

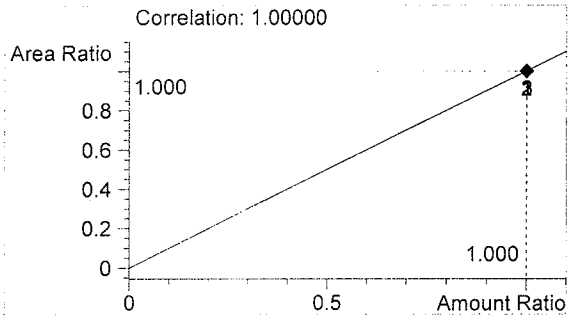


#	Compound	Area	RT
1	Ethanol	1979	1.095
2	n-Propanol	2362	1.932

Totals:



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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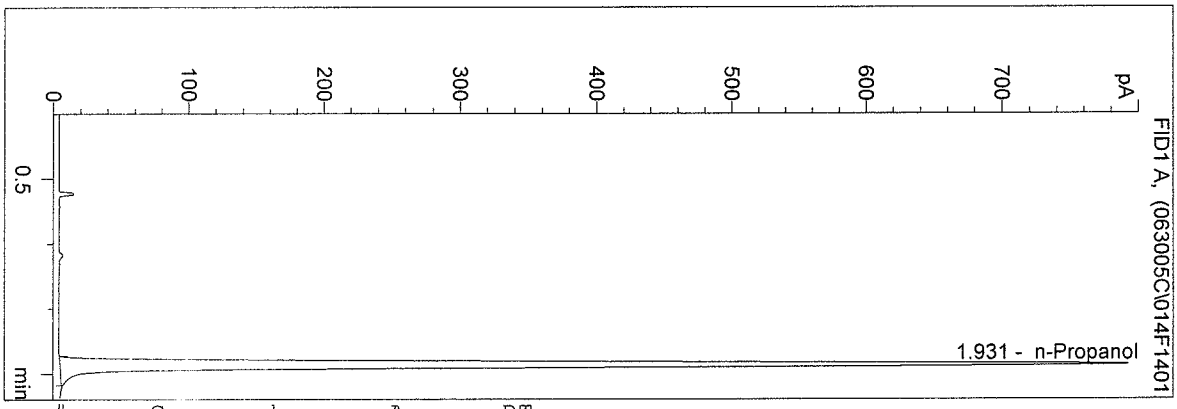
6/30/2005 7:45:04 AM
Instrument 5
DB-ALC2

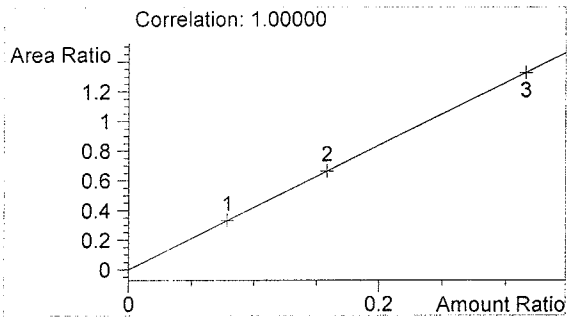
BLANK
ED FORMOSO

vial # 14

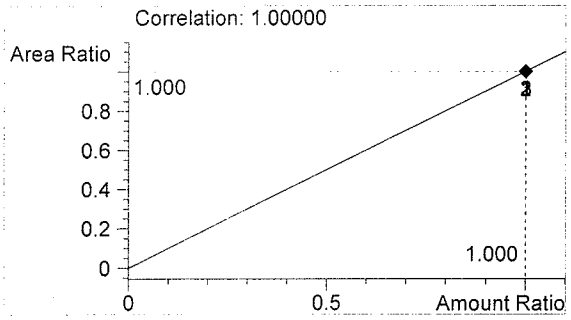


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2423	1.931

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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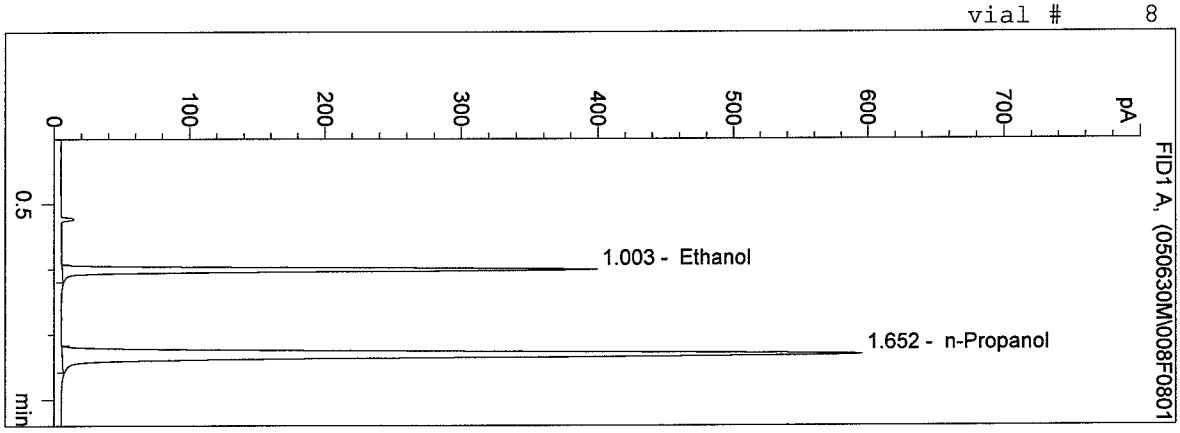
6/30/2005 4:17:13 PM
Instrument 4
DB-ALC1

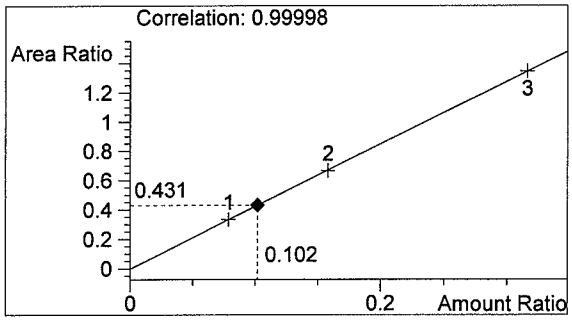
Sim Sol 05023-1
Estuardo J. Miranda

vial # 8

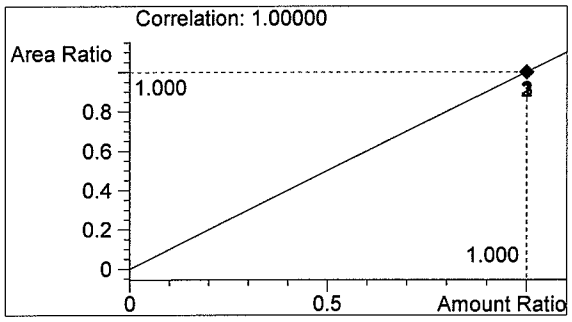


#	Compound	Area	RT
1	Ethanol	800	1.003
2	n-Propanol	1857	1.652

Totals:



Ethanol 0.102 g/100ml



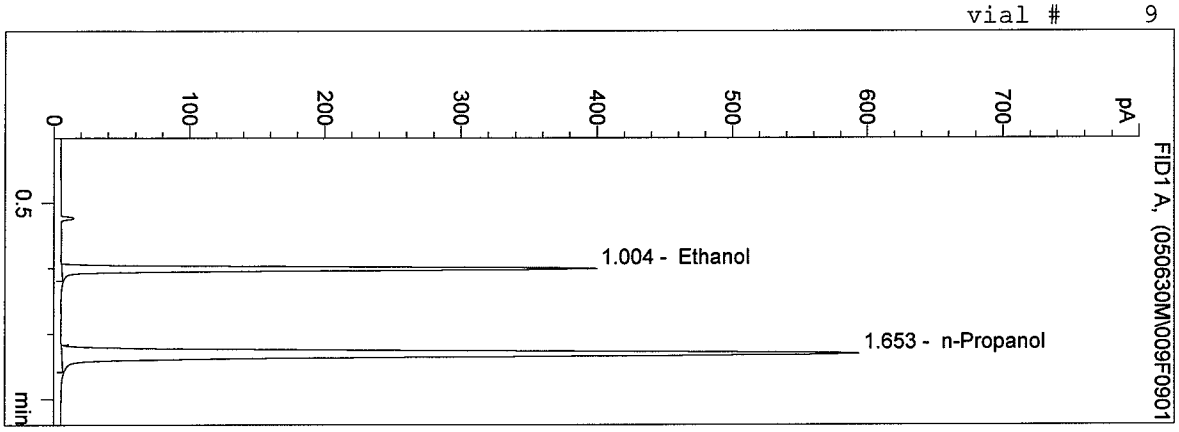
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/30/2005 4:20:31 PM
Instrument 4
DB-ALC1

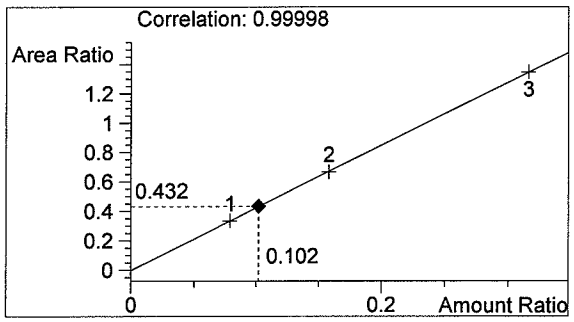
Sim Sol 05023-2
Estuardo J. Miranda

vial # 9

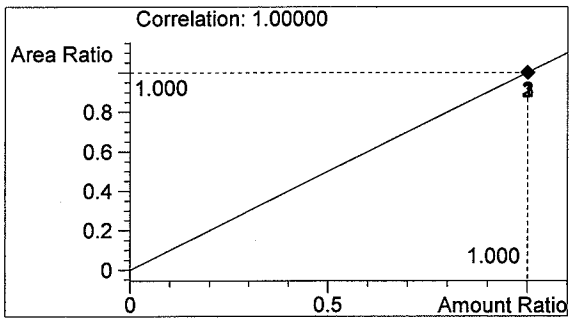


#	Compound	Area	RT
1	Ethanol	801	1.004
2	n-Propanol	1853	1.653

Totals:



Ethanol 0.102 g/100ml



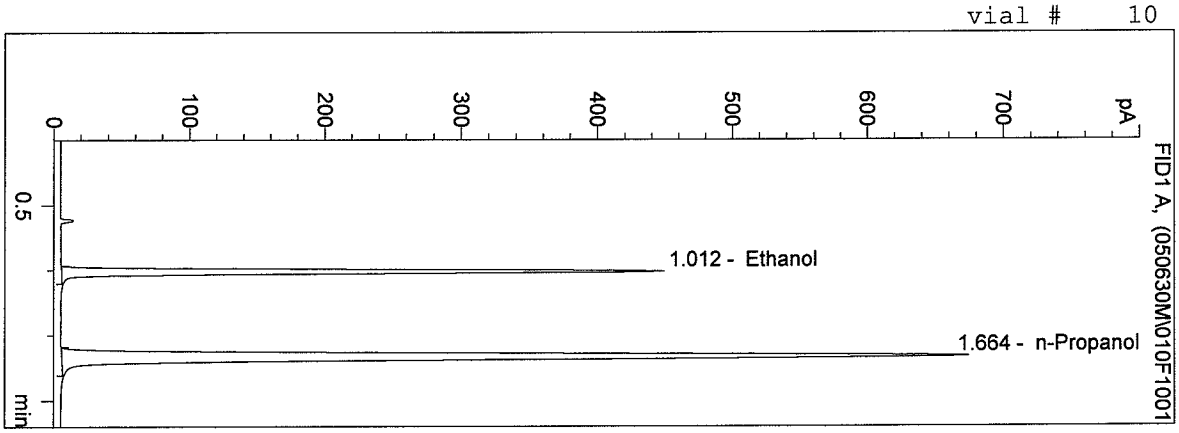
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/30/2005 4:23:50 PM
Instrument 4
DB-ALC1

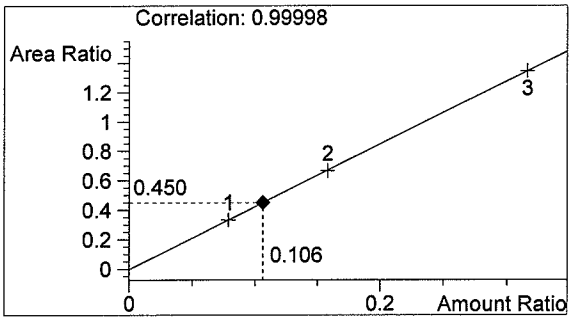
Sim Sol 05023-3
Estuardo J. Miranda

vial # 10

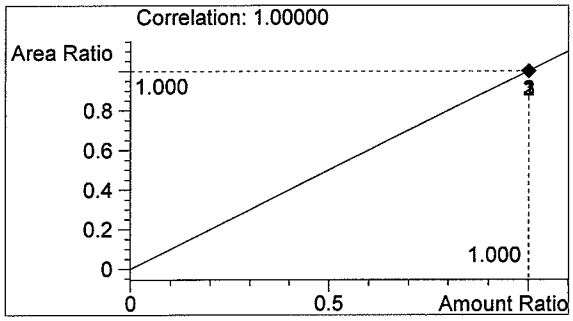


#	Compound	Area	RT
1	Ethanol	964	1.012
2	n-Propanol	2141	1.664

Totals:



Ethanol 0.106 g/100ml



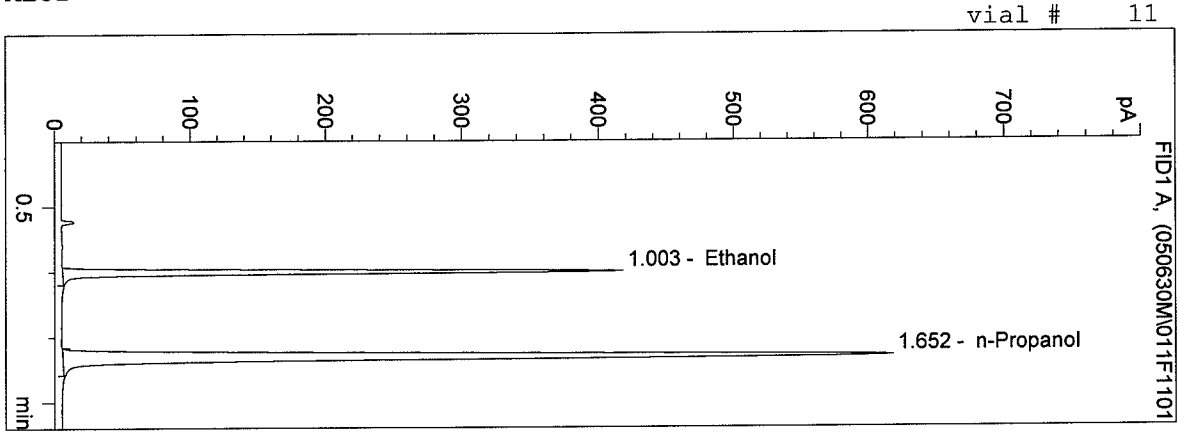
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
6/30/2005 4:27:01 PM
Instrument 4
DB-ALC1

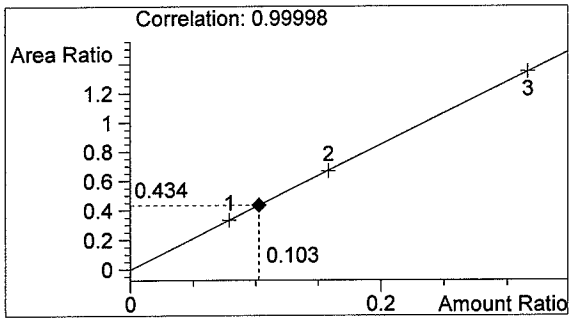
Sim Sol 05023-4
Estuardo J. Miranda

vial # 11

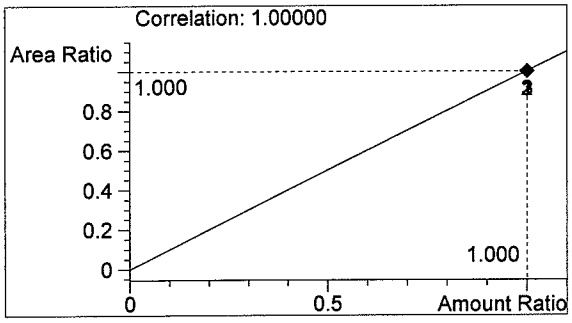


#	Compound	Area	RT
1	Ethanol	838	1.003
2	n-Propanol	1930	1.652

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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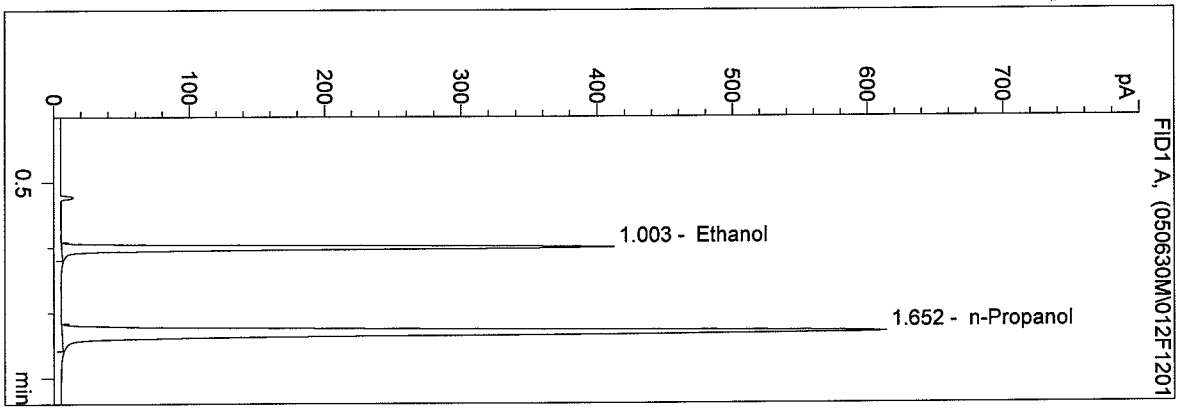
6/30/2005 4:30:19 PM
Instrument 4
DB-ALC1

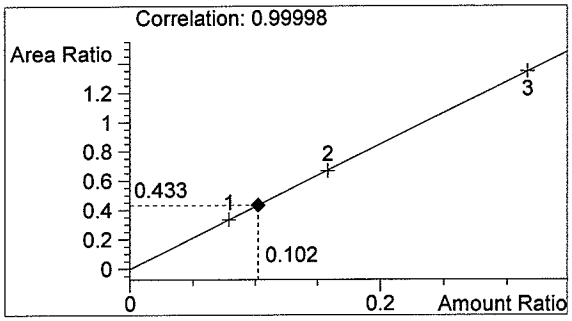
Sim Sol 05023-5
Estuardo J. Miranda

vial # 12

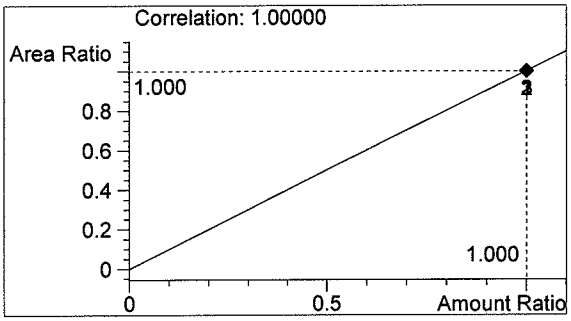


#	Compound	Area	RT
1	Ethanol	829	1.003
2	n-Propanol	1915	1.652

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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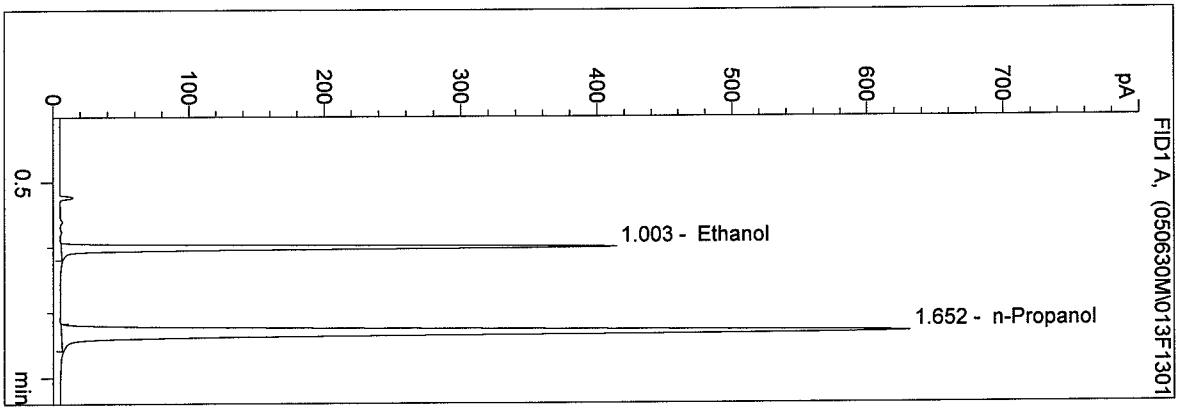
6/30/2005 4:33:34 PM
Instrument 4
DB-ALC1

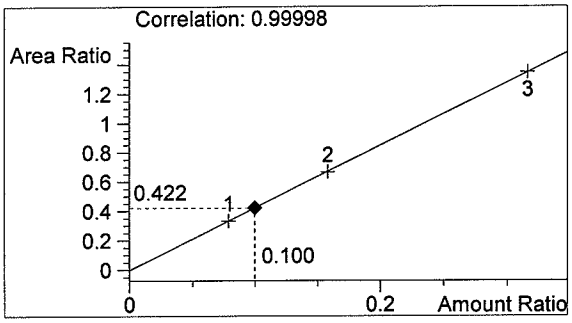
0.100 Control
Estuardo J. Miranda

vial # 13

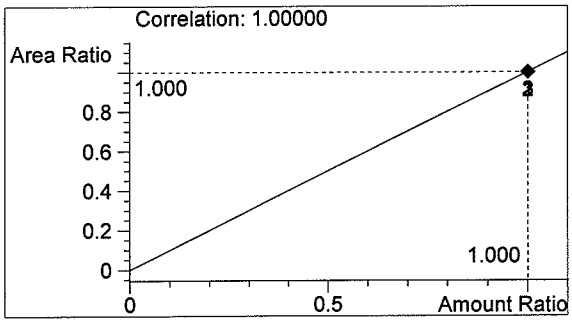


#	Compound	Area	RT
1	Ethanol	830	1.003
2	n-Propanol	1968	1.652

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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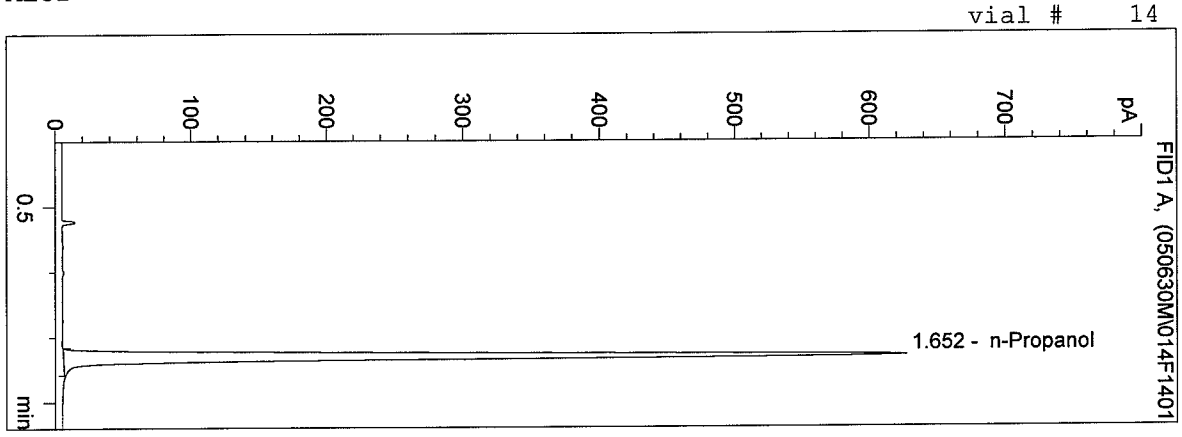
Instrument 4
DB-ALC1

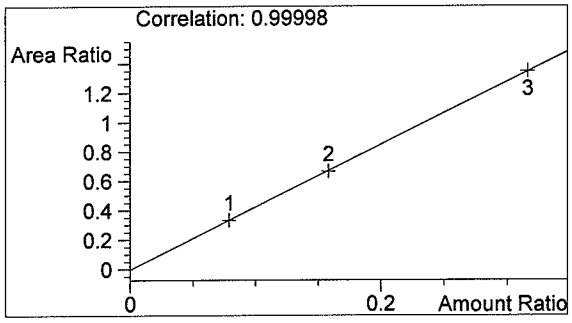
Blank
Estuardo J. Miranda

vial # 14

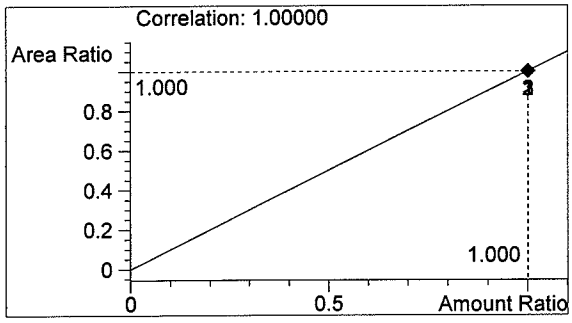


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1958	1.652

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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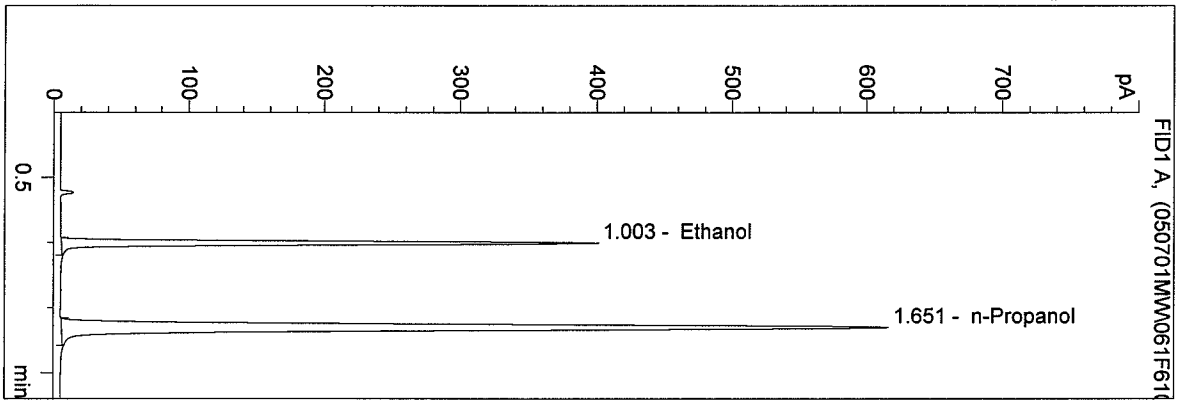
7/1/2005 12:21:20 PM
Instrument 4
DB-ALC1

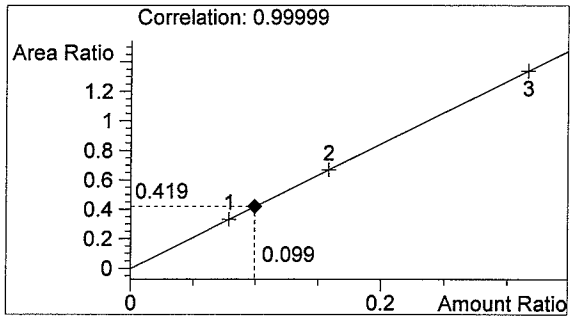
0.10ctlmw
mary wilson

vial # 61

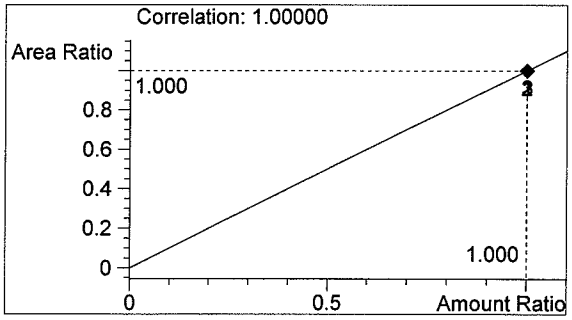


#	Compound	Area	RT
1	Ethanol	805	1.003
2	n-Propanol	1923	1.651

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 4
DB-ALC1

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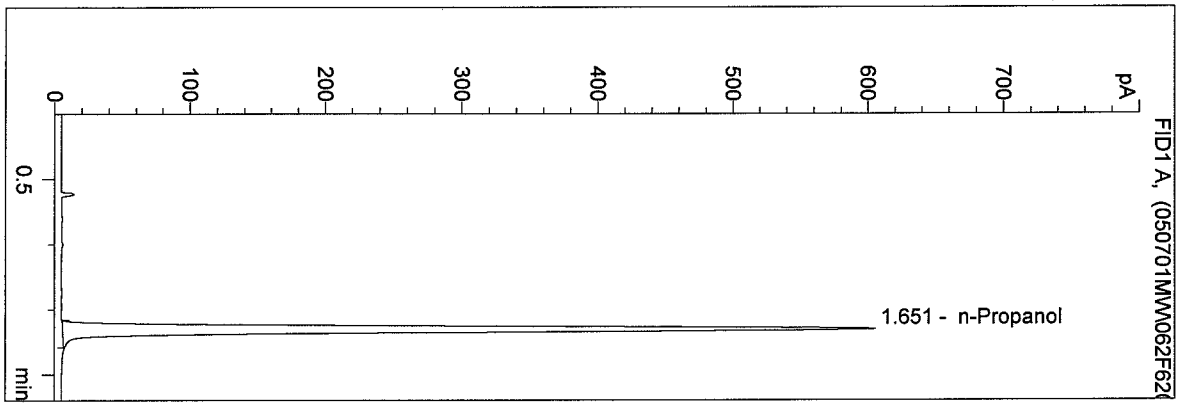
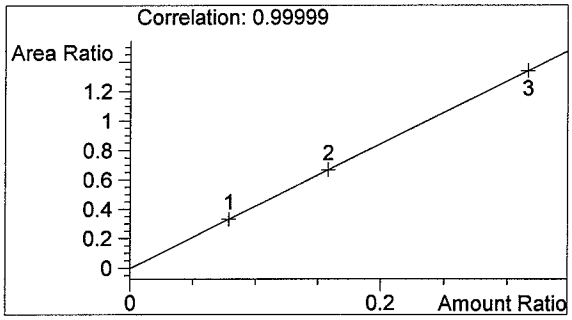
mary wilson

vial # 62

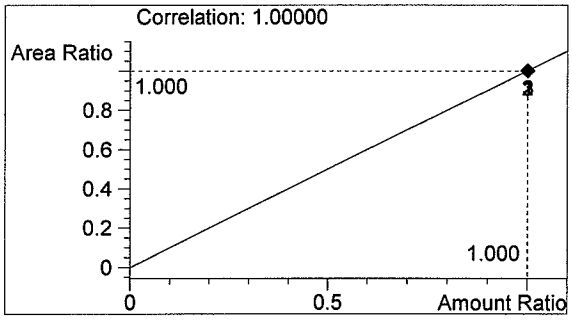


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1890	1.651

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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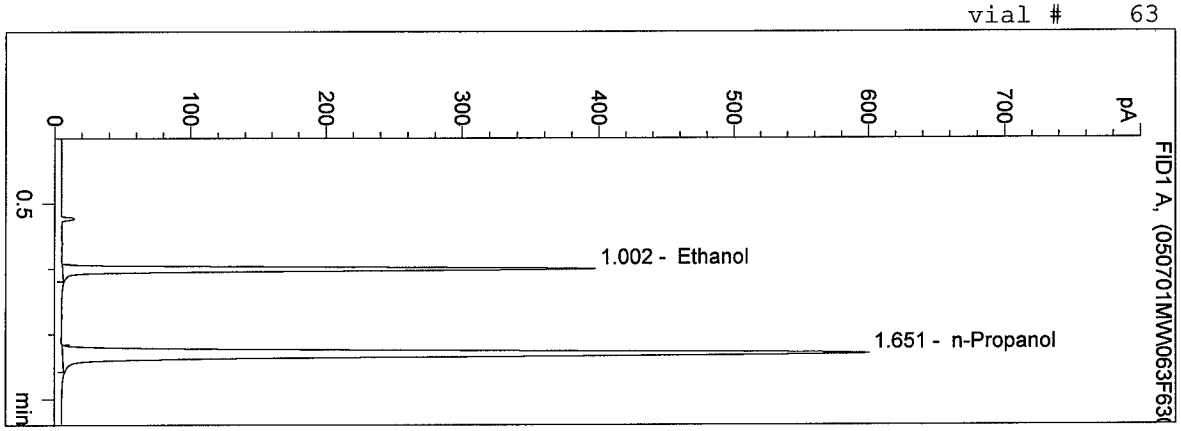
Instrument 4
DB-ALC1

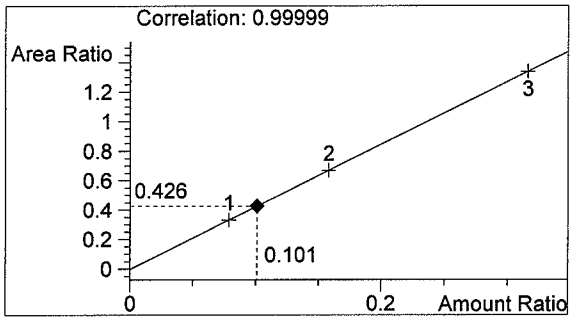
05023sim sol
mary wilson

vial # 63

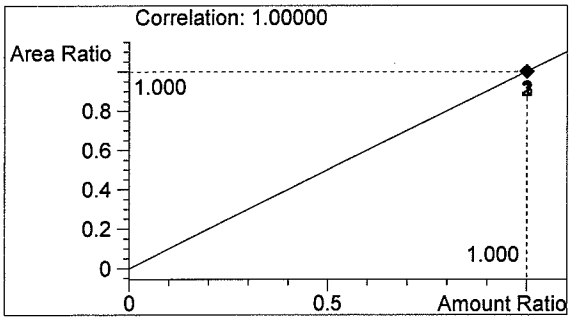


#	Compound	Area	RT
1	Ethanol	798	1.002
2	n-Propanol	1874	1.651

Totals:



Ethanol 0.101 g/100ml



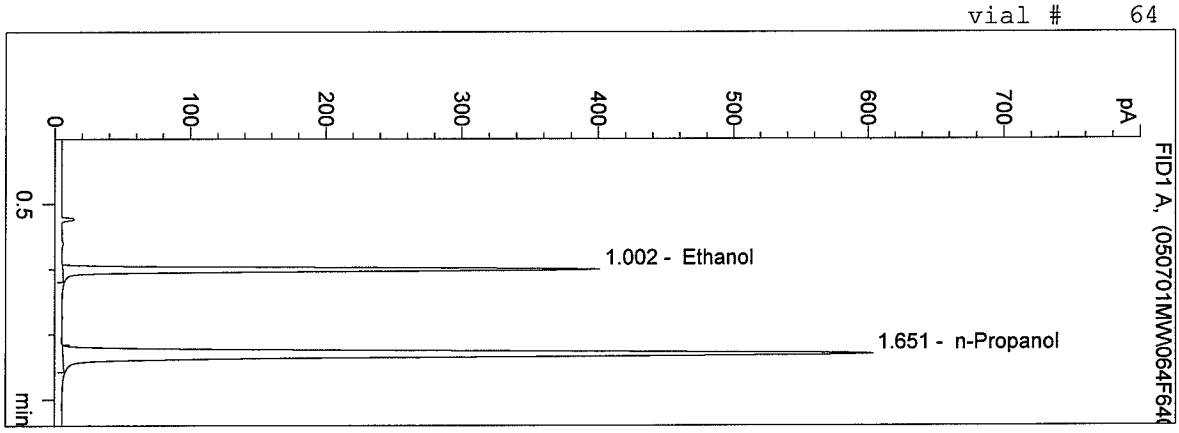
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
7/1/2005 12:36:31 PM
Instrument 4
DB-ALC1

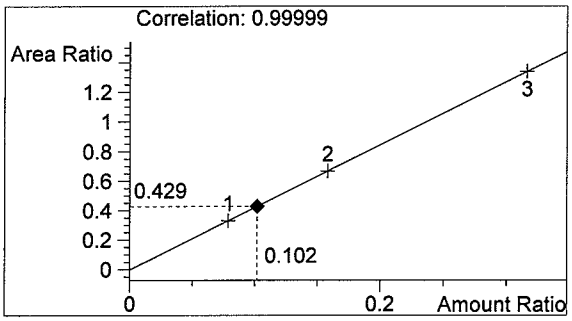
05023sim sol
mary wilson

vial # 64

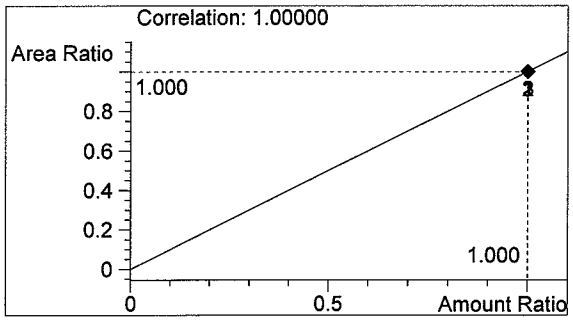


#	Compound	Area	RT
1	Ethanol	806	1.002
2	n-Propanol	1880	1.651

Totals:



Ethanol 0.102 g/100ml



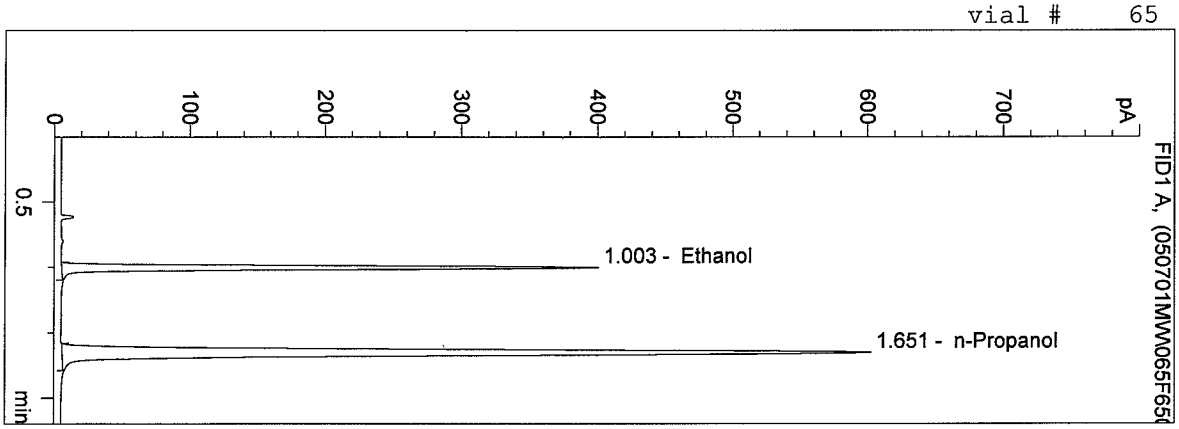
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
7/1/2005 12:39:55 PM
Instrument 4
DB-ALC1

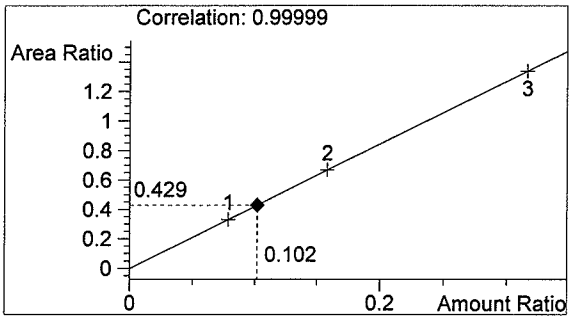
05023sim sol
mary wilson

vial # 65

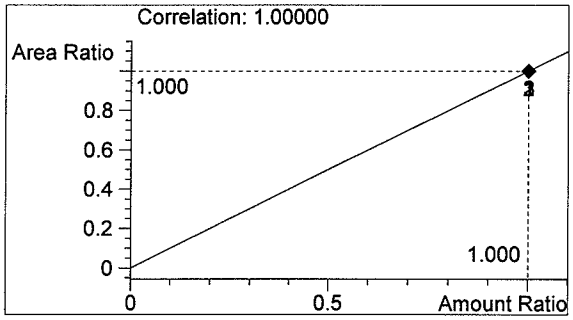


#	Compound	Area	RT
1	Ethanol	808	1.003
2	n-Propanol	1884	1.651

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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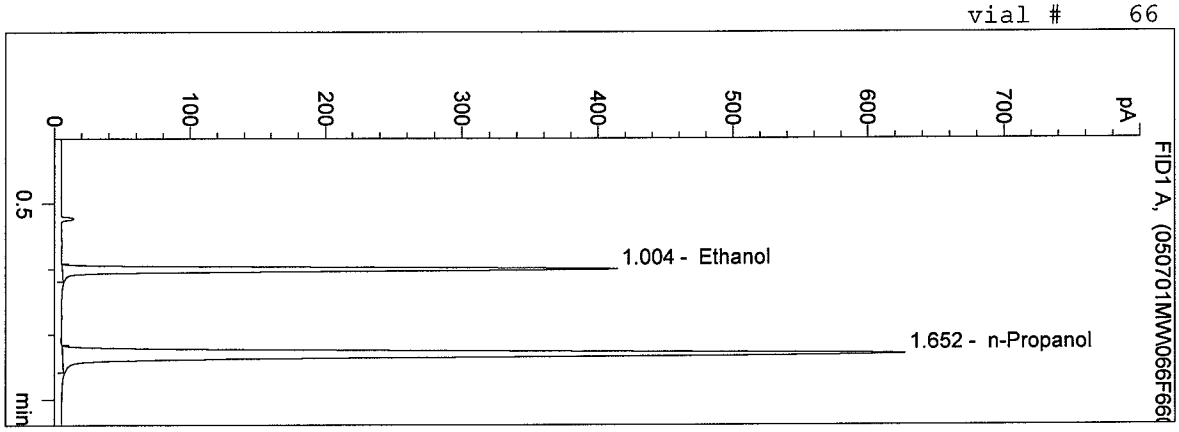
Instrument 4
DB-ALC1

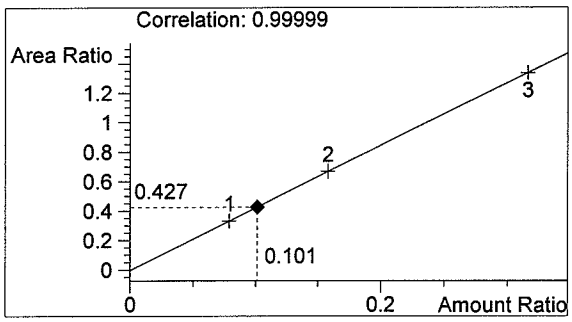
05023sim sol
mary wilson

vial # 66

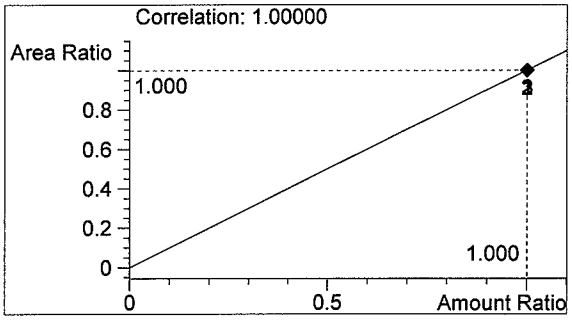


#	Compound	Area	RT
1	Ethanol	837	1.004
2	n-Propanol	1960	1.652

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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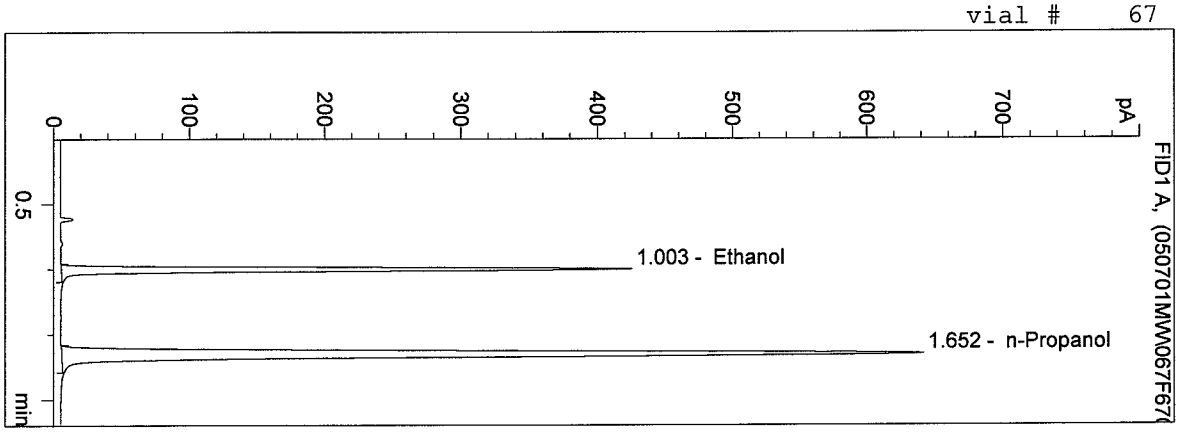
Instrument 4
DB-ALC1

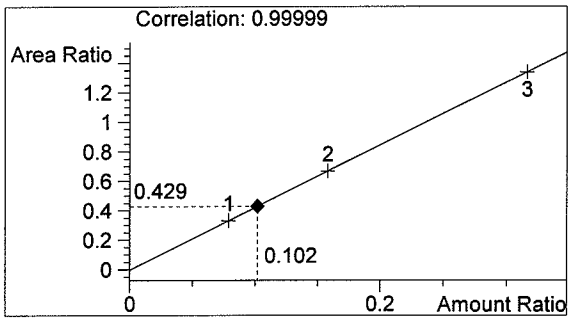
05023sim sol
mary wilson

vial # 67

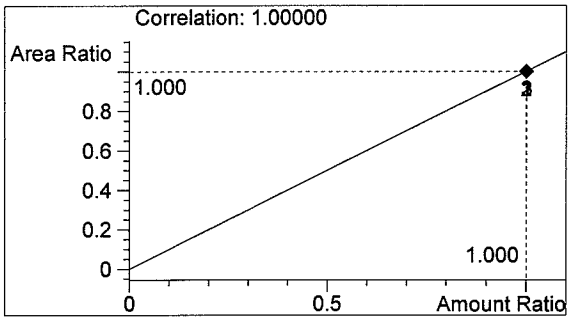


#	Compound	Area	RT
1	Ethanol	859	1.003
2	n-Propanol	2004	1.652

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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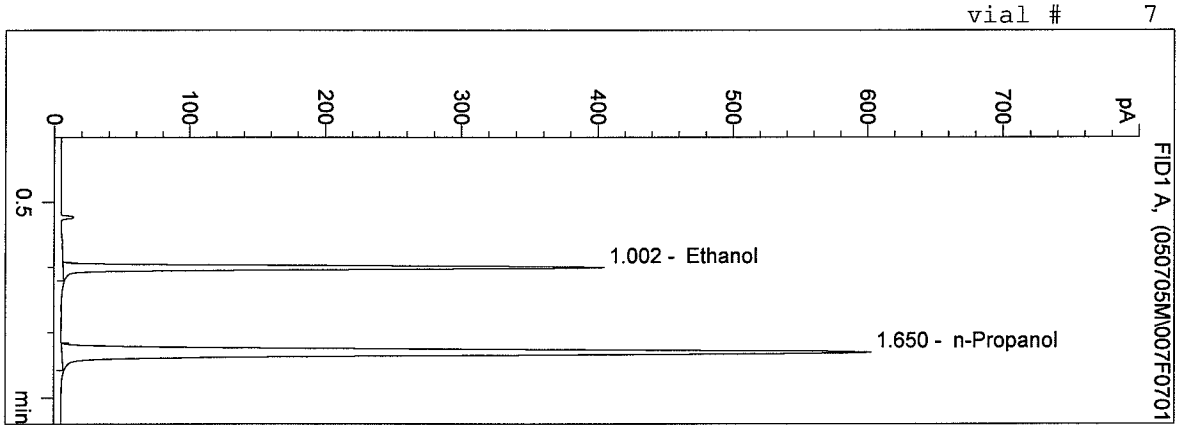
Instrument 4
DB-ALC1

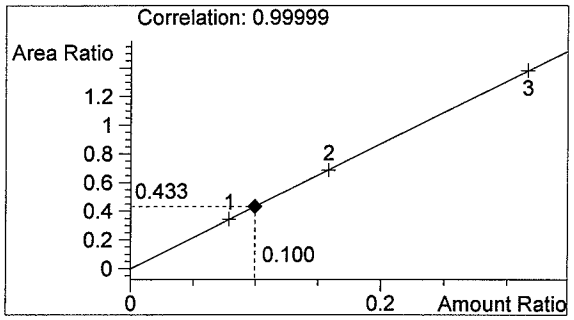
05023 SIM SOLN
M PEMBERTON

vial # 7

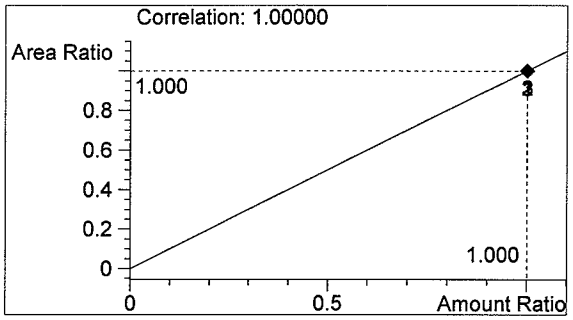


#	Compound	Area	RT
1	Ethanol	814	1.002
2	n-Propanol	1880	1.650

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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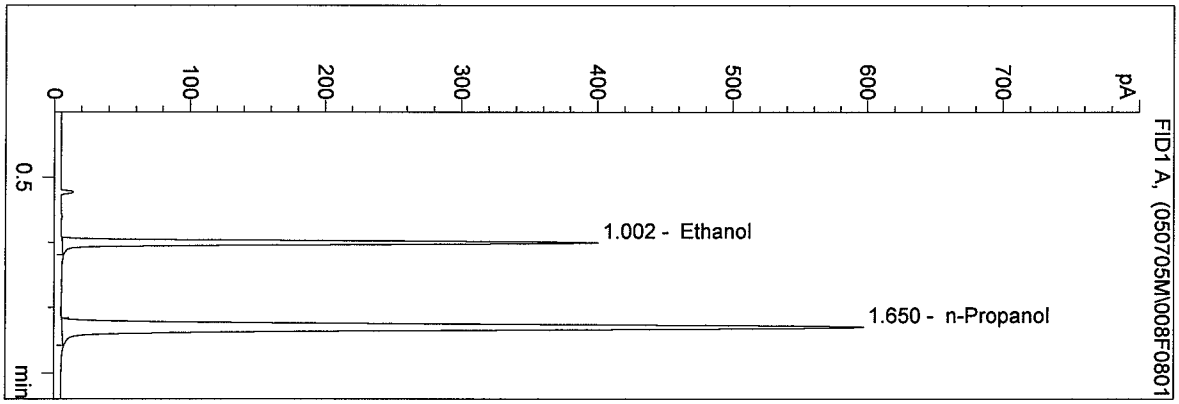
Instrument 4
DB-ALC1

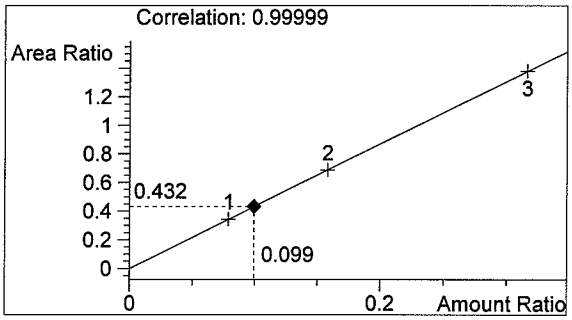
05023 SIM SOLN
M PEMBERTON

vial # 8

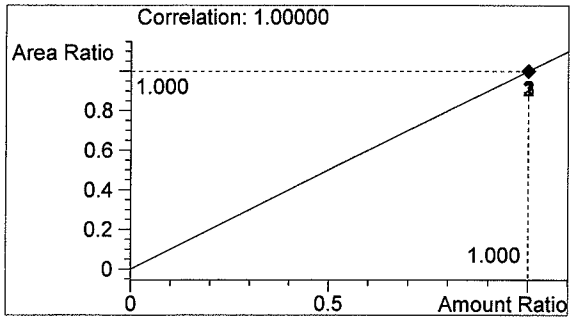


#	Compound	Area	RT
1	Ethanol	805	1.002
2	n-Propanol	1864	1.650

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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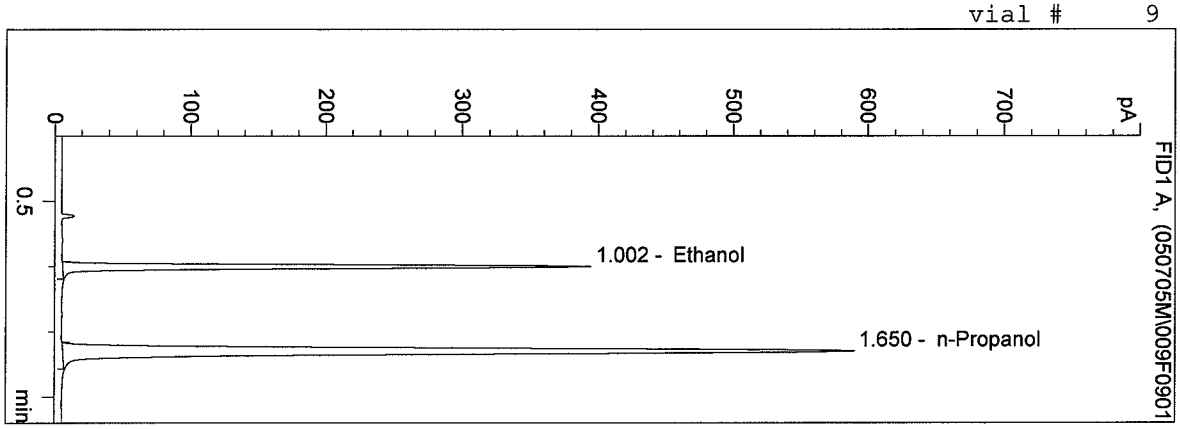
Instrument 4
DB-ALC1

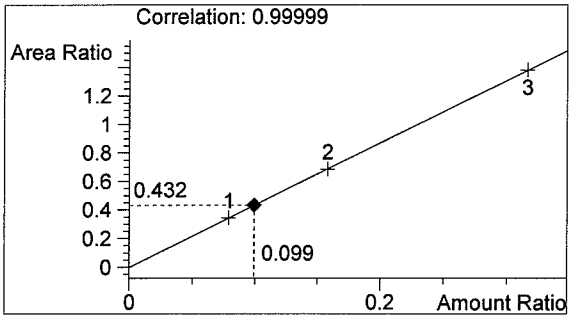
05023 SIM SOLN
M PEMBERTON

vial # 9

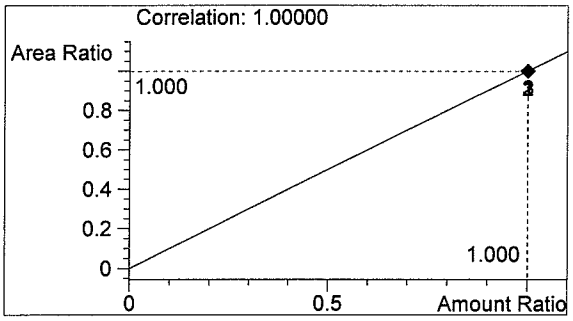


#	Compound	Area	RT
1	Ethanol	793	1.002
2	n-Propanol	1838	1.650

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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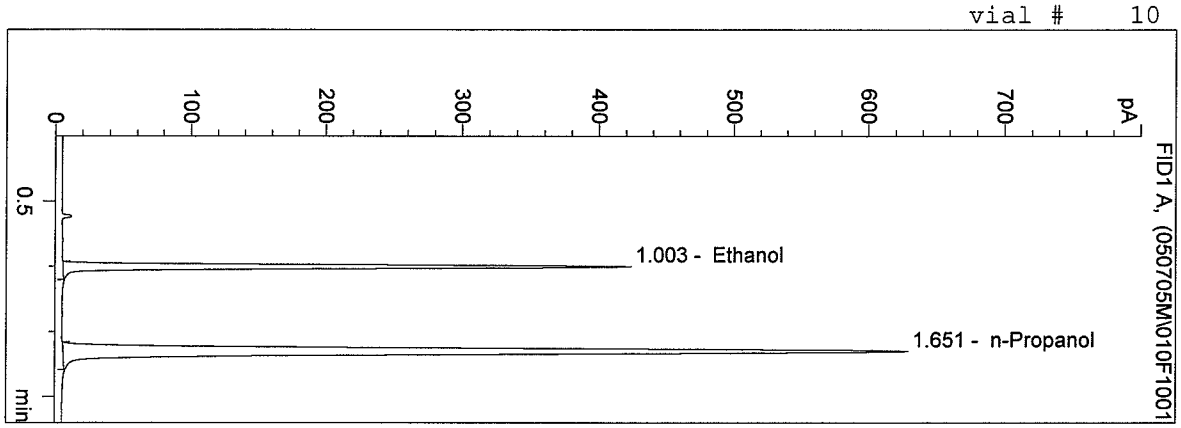
Instrument 4
DB-ALC1

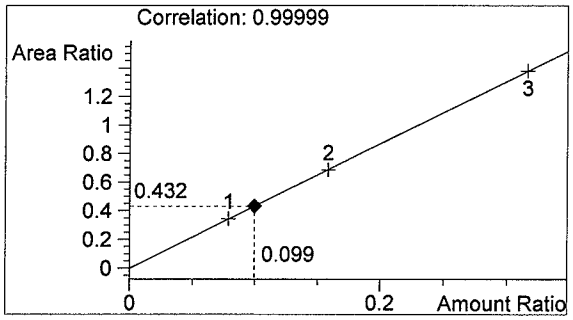
05023 SIM SOLN
M PEMBERTON

vial # 10

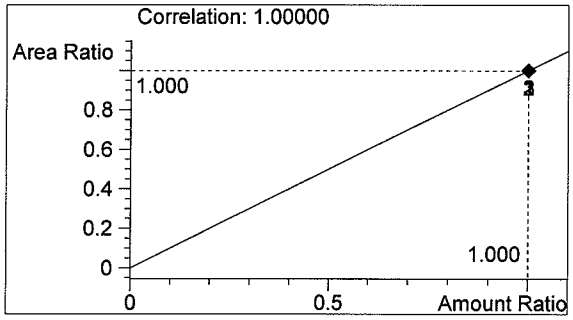


#	Compound	Area	RT
1	Ethanol	846	1.003
2	n-Propanol	1958	1.651

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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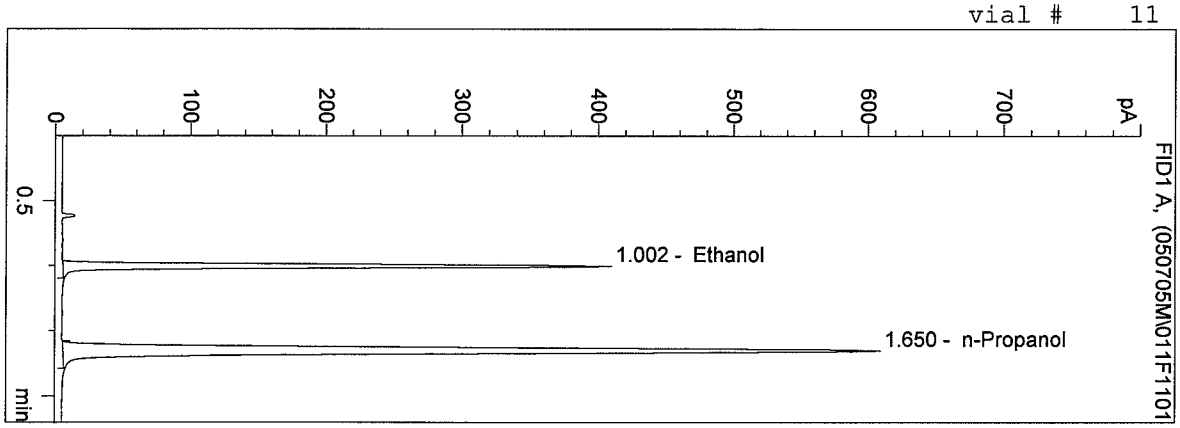
Instrument 4
DB-ALC1

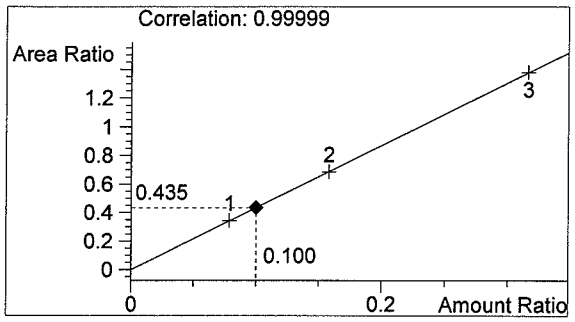
05023 SIM SOLN
M PEMBERTON

vial # 11

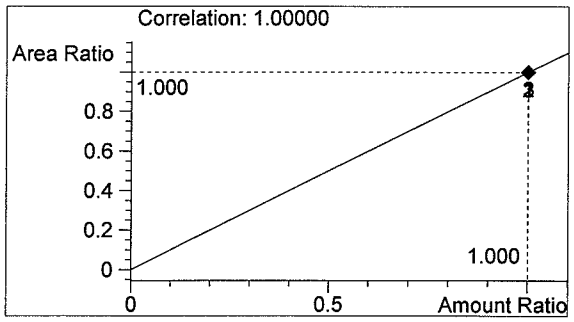


#	Compound	Area	RT
1	Ethanol	826	1.002
2	n-Propanol	1899	1.650

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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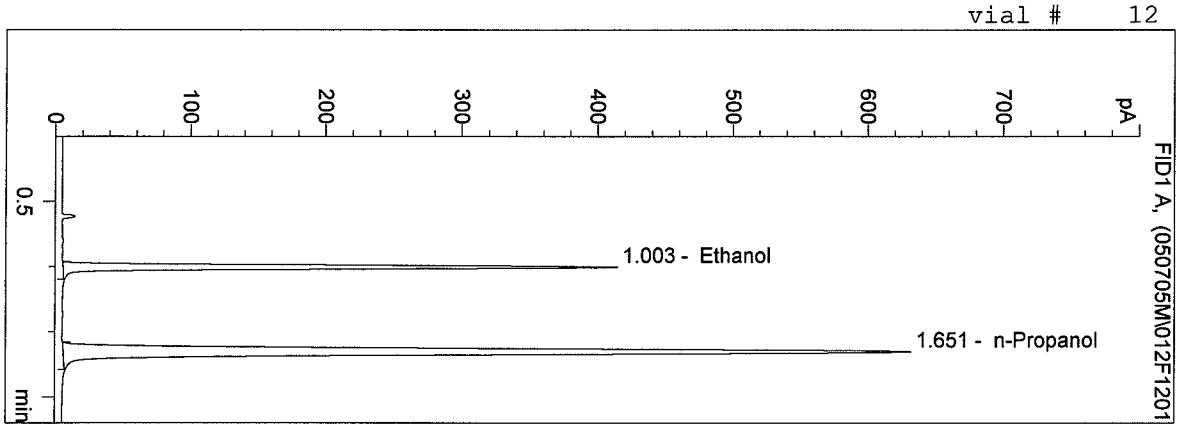
Instrument 4
DB-ALC1

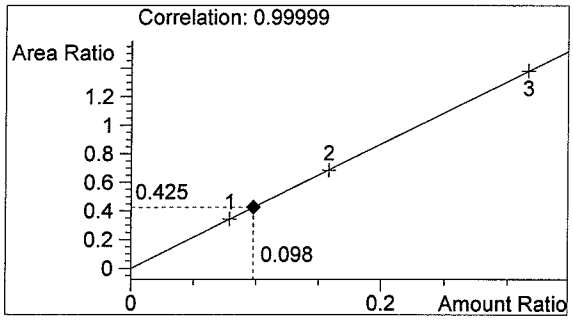
0.10 CONTROL
M PEMBERTON

vial # 12

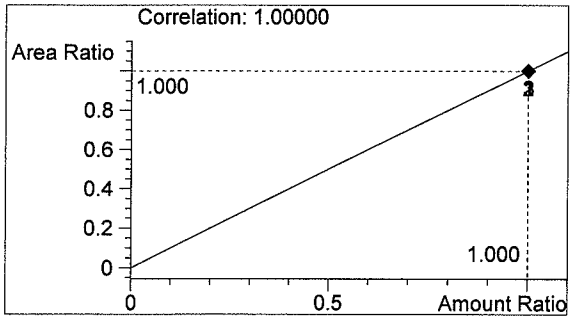


#	Compound	Area	RT
1	Ethanol	840	1.003
2	n-Propanol	1976	1.651

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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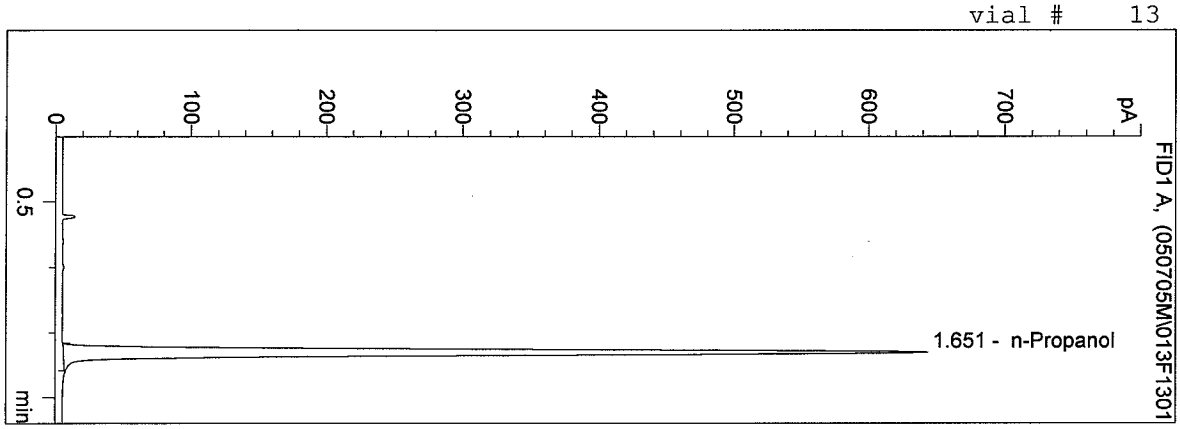
Instrument 4
DB-ALC1

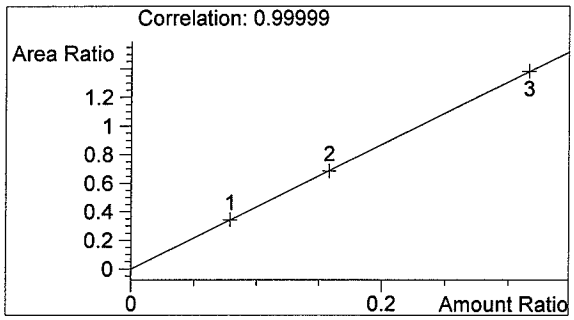
BLK
M PEMBERTON

vial # 13

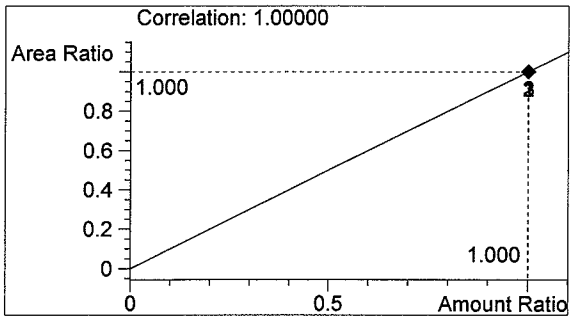


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2013	1.651

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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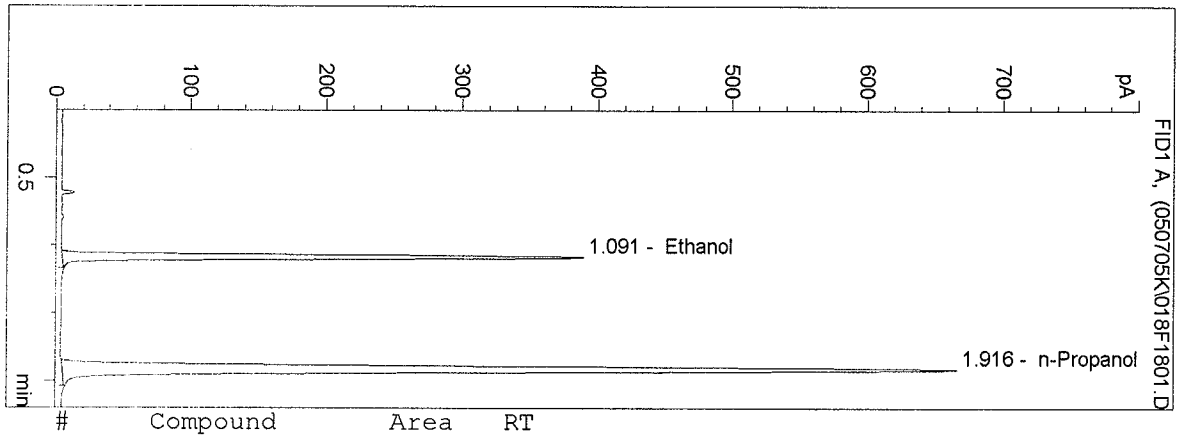
Instrument 5
DB-ALC2

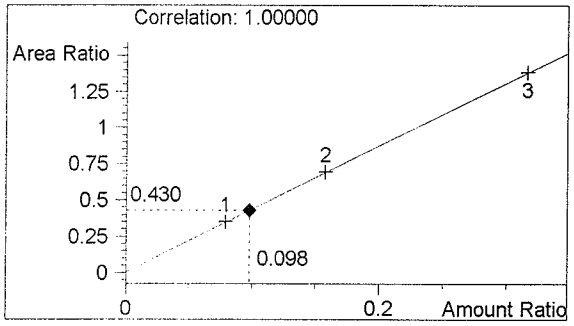
0.10 CTL-KDG
KGROSS

vial # 18

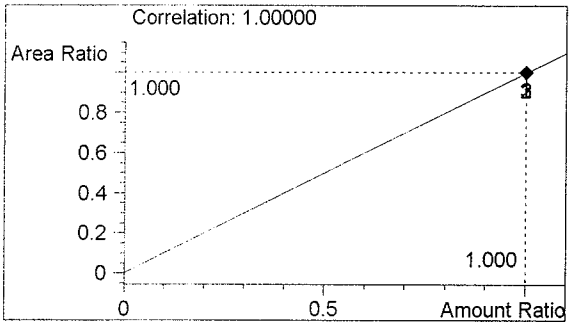


#	Compound	Area	RT
1	Ethanol	851	1.091
2	n-Propanol	1980	1.916

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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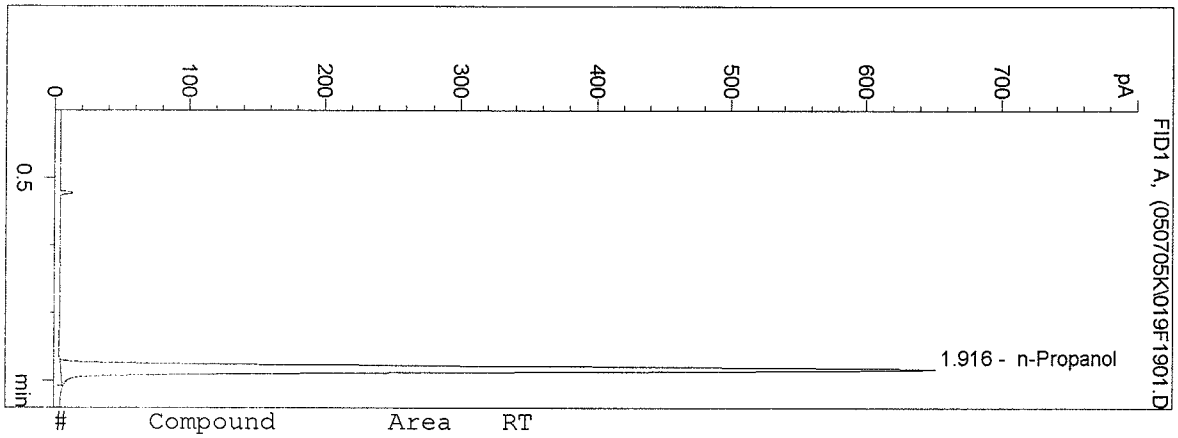
Instrument 5
DB-ALC2

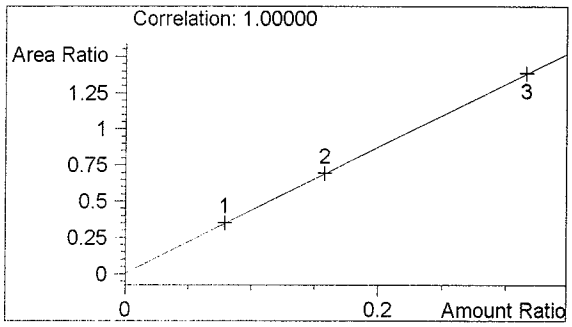
BLANK
KGROSS

vial # 19

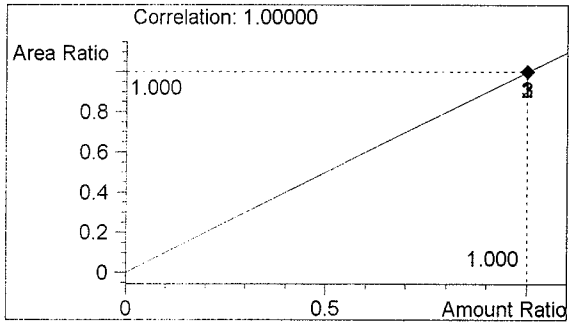


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1939	1.916

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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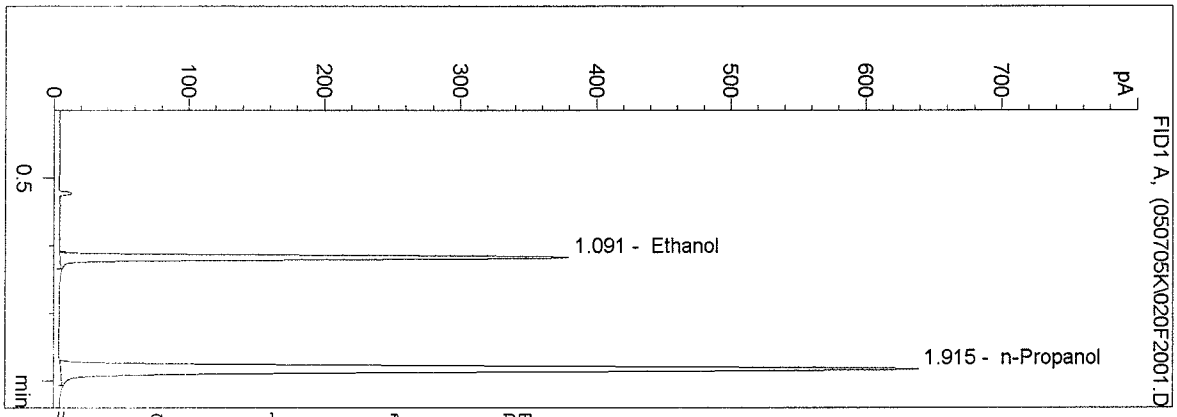
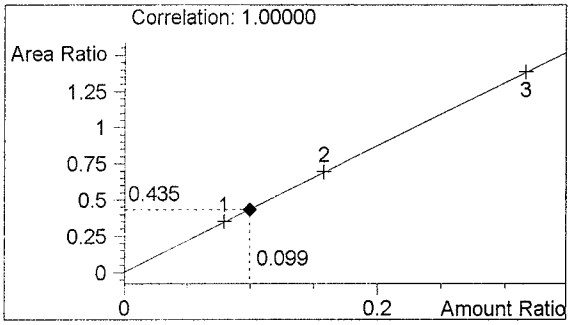
Instrument 5 KGROSS
DB-ALC2

vial # 20

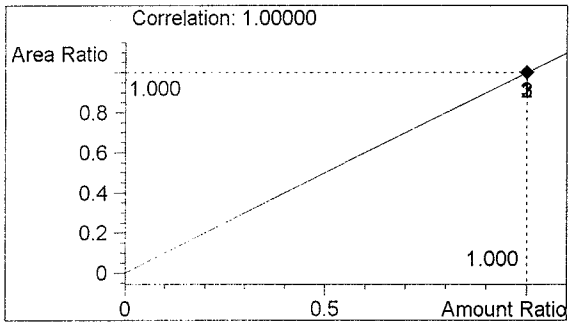


#	Compound	Area	RT
1	Ethanol	827	1.091
2	n-Propanol	1901	1.915

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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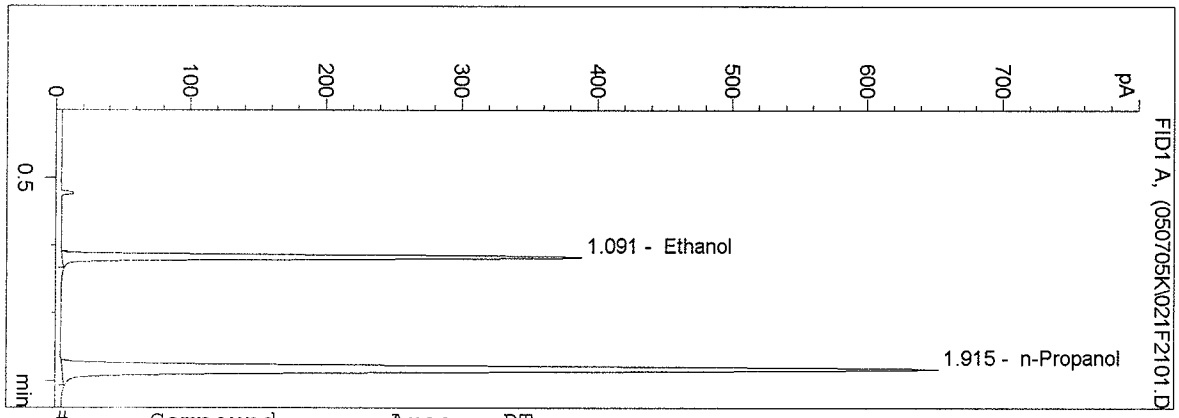
Instrument 5
DB-ALC2

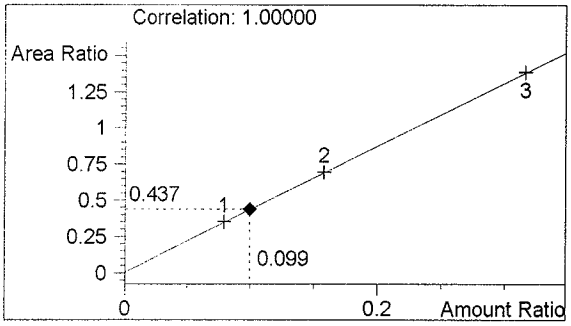
05023
KGROSS

vial # 21

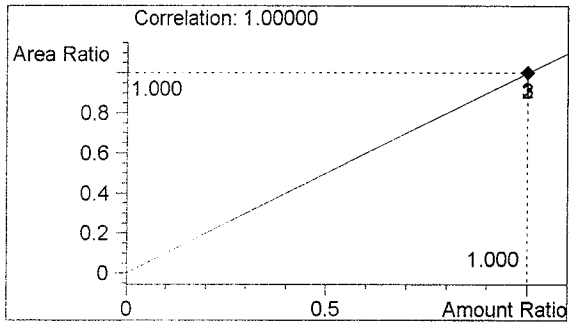


#	Compound	Area	RT
1	Ethanol	847	1.091
2	n-Propanol	1939	1.915

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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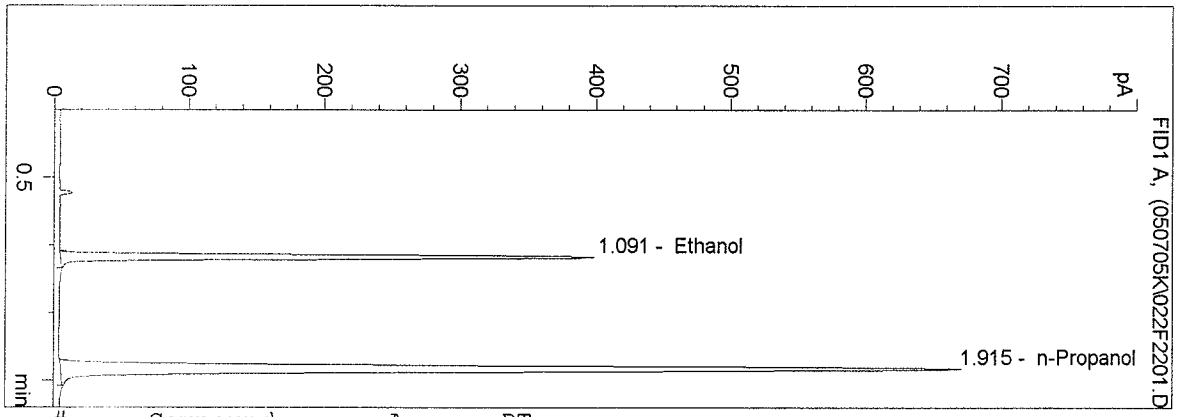
7/5/2005 3:49:53 PM
Instrument 5
DB-ALC2

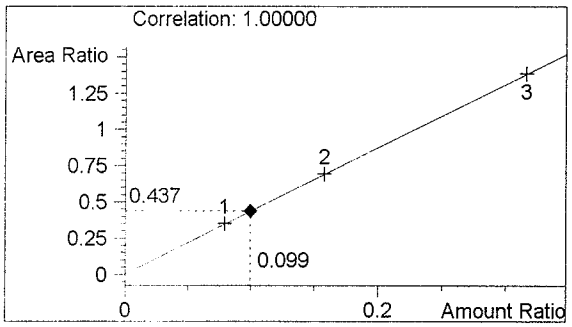
05023
KGROSS

vial # 22

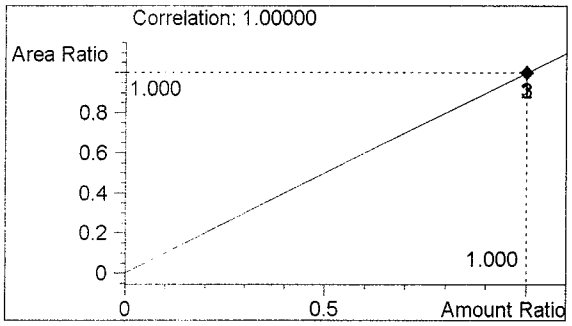


#	Compound	Area	RT
1	Ethanol	872	1.091
2	n-Propanol	1998	1.915

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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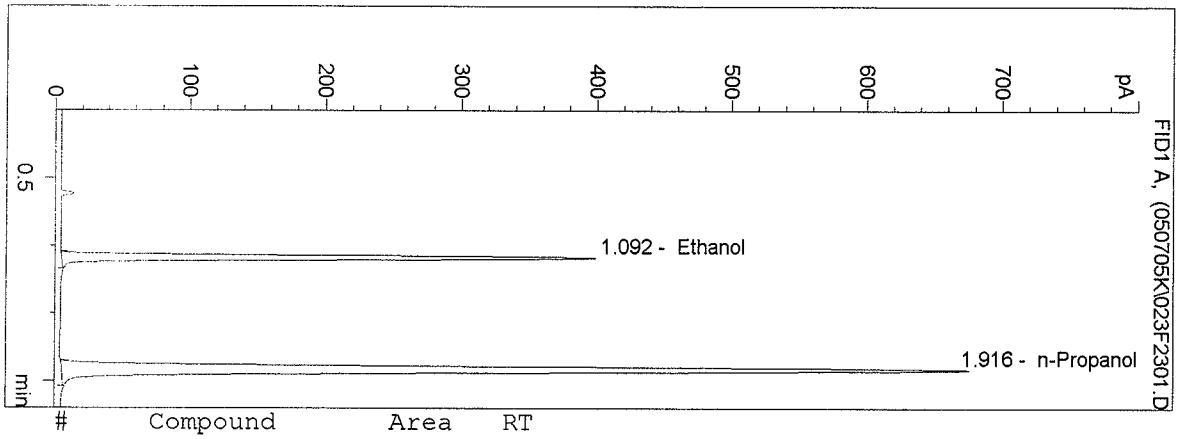
Instrument 5
DB-ALC2

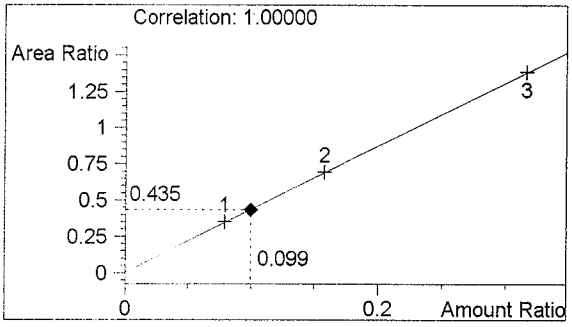
05023
KGROSS

vial # 23

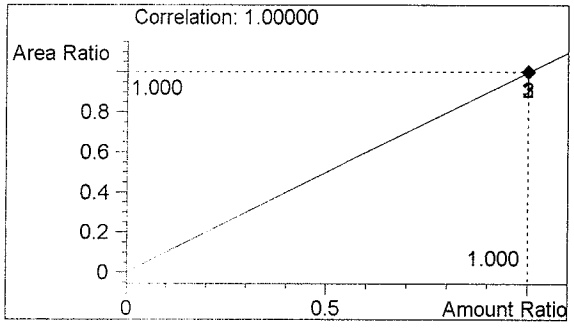


#	Compound	Area	RT
1	Ethanol	875	1.092
2	n-Propanol	2011	1.916

Totals:



Ethanol 0.099 g/100ml

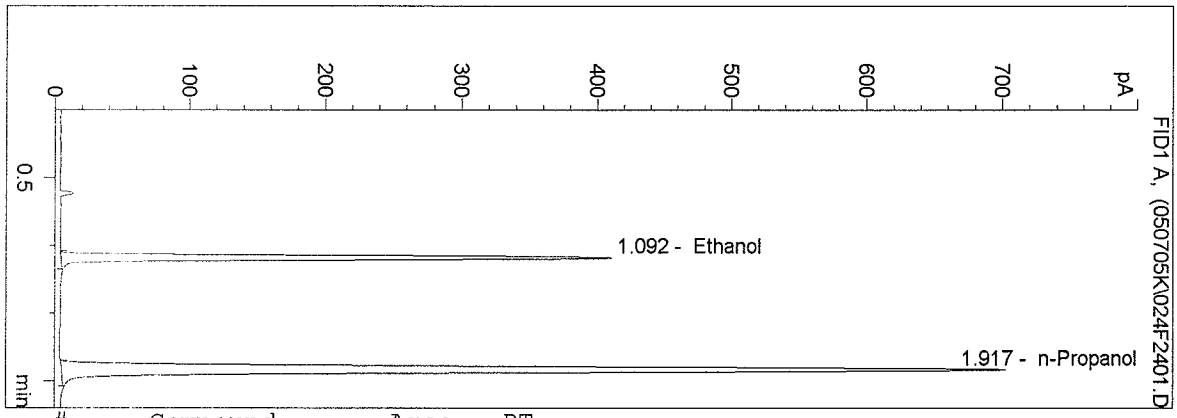


n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

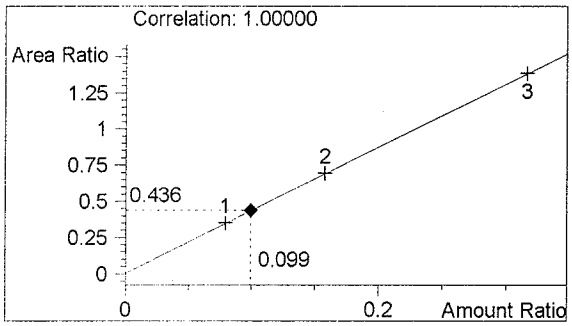
D:\HPCHEM\1\METHODS\BLDALCO2.M
7/5/2005 3:55:52 PM 05023
Instrument 5 KGROSS
DB-ALC2

vial # 24

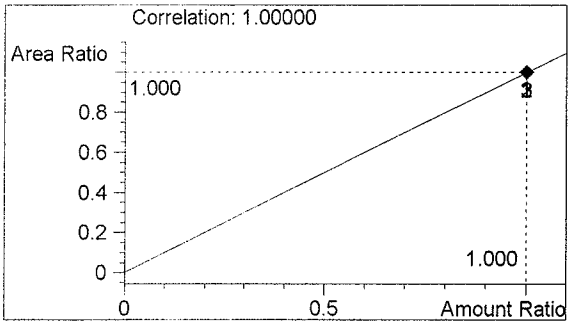


#	Compound	Area	RT
1	Ethanol	911	1.092
2	n-Propanol	2088	1.917

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml