Notice of Simulator Solution File Review

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

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

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

K.L. Denton 11/8/2007

Tpr. Ken Denton Date

R.G. Gullberg 11-8-2007

Rod G. Gullberg Date

WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 464-5435 FAX (206) 389-2738

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

Batch number **02035** Date: 9/30/2002

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	0.102	0.101	0.103	0.102	0.103	~~0.101~~ 0.096	0.102	0.101	0.102	0.103		
2	0.103	0.100	0.103	0.103	0.103	0.102	0.102	0.101	0.103	0.102		
3	0.103	0.101	0.103	0.102	0.104	0.104	0.102	0.101	0.102	0.102		
4	0.102	0.101	0.103	0.102	0.103	0.104	0.102	0.101	0.102	0.102		
5	0.103	0.102	0.102	0.102	0.103	0.103	0.102	~~0.101~~ 0.102	0.103	0.102		
Ctrl	0.100	0.098	0.100	0.100	0.101	0.101	0.101	~~0.102~~ 0.098	0.101	0.099		

RJL 11-6-07

RJL 11-6-07

External Control:

Lot #: A021986 Exp date: 1/05

Target concentration: 0.10 g/100mL

RJL 11-6-07

Equivalent vapor concent.: ~~0.0831~~ 0.0830 g/210L

Statistics:

Avg. solution concent.: ~~0.1022~~ 0.1021 g/100 mL

SD: ~~0.00090~~ 0.00123

Range (3xSD): ~~0.0995~~ 0.0984 to ~~0.1049~~ 0.1058

Precision CV (%): ~~0.8765~~ 1.2038 %

Analyst	Name	Signature	Date
1	Naziha Nuwayhid, PhD		09/30/02
2	Jayne Thatcher		09/30/02
3	Ruth Luthi		10/01/02
4	William P Marshall		10/02/02
5	Estuardo Miranda		10/03/02
6	Ann Marie Gordon		10/02/02
7	Edward Formoso		10/07/02
8	Mary Wilson		10/07/02
9	Eugene Schwilke		10/07/02
10	Melissa Pemberton		10/10/02
11			
12			

Prepared by: Naziha Nuwayhid, PhD according to the approved protocol

WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/ s: KEN XENTON / ROD GULLBERG Date: 11-6-07

Location: TOX LAB SEATTLE Solution Batch Number: 02035

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

CONTROL VALUE FOR MARY WILSON INCORRECT
RESULT #5 FOR MARY WILSON INCORRECT
RESULT #1 FOR JOHN GORDON INCORRECT

Reviewer Signature: [signature] Date: 11-6-07

Reviewer Signature: K.L. [signature] Date: 11/6/2007

Rev. Date: 10/31/2007

STATE OF WASHINGTON
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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator Solution, Lot Number 02035 was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/04/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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

11-07-2007

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/11/02
Seattle, WA

Melissa L. Pemberton
Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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

Melissa L. Pemberton
11/7/07

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/01/02
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

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

11/8/07

NN/nf
NNSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/01/02
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/nf
JTSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ruth Luthi, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry and twenty-two years of experience in analytical chemistry, and eighteen years of experience in the Washington State Toxicology Laboratory.

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/02/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

I possess the following qualifications: BS degree in Chemistry and twenty-nine years of analytical laboratory experience including thirteen years of toxicology experience.

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/03/02
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/nf
WMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/08/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/08/02
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/nf
MWSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Eugene W. Schwilke, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology, Board Certification from the American Board of Forensic Toxicology, and five years of experience in the Washington State Toxicology Laboratory.

The Simulator Solution, Lot Number 02035, was prepared in the Washington State Toxicology Laboratory on 9/30/02. 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 9/30/03.

Dated: 10/8/02
Seattle, WA

Eugene W. Schwilke, A.B.F.T.
Forensic Toxicologist

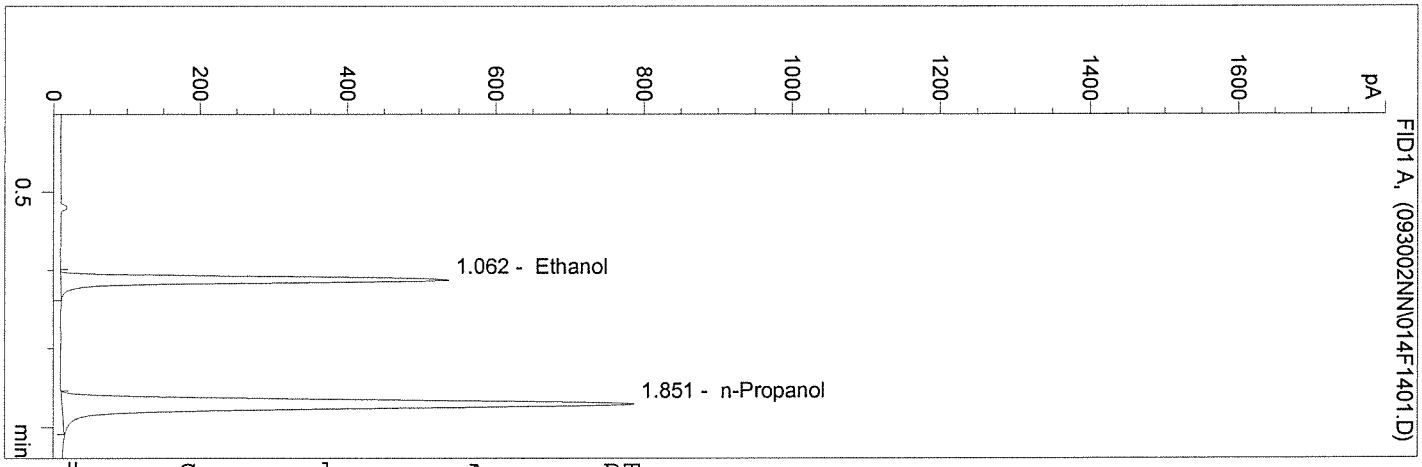
GS/nf
GSSIMSOL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/30/02 1:57:30 PM
Instrument 2
-ALC1

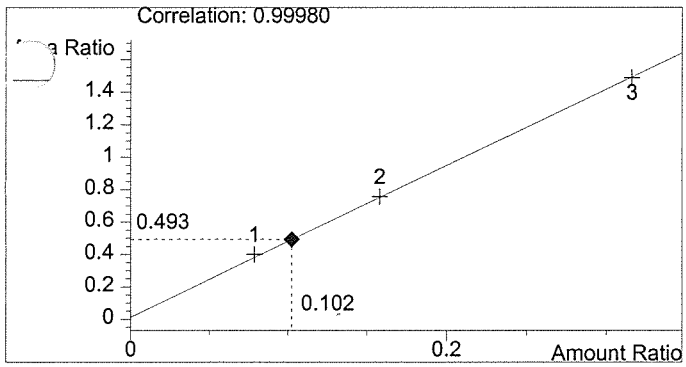
02035-1 SIM
Naziha Nuwayhid, PhD

vial # 14

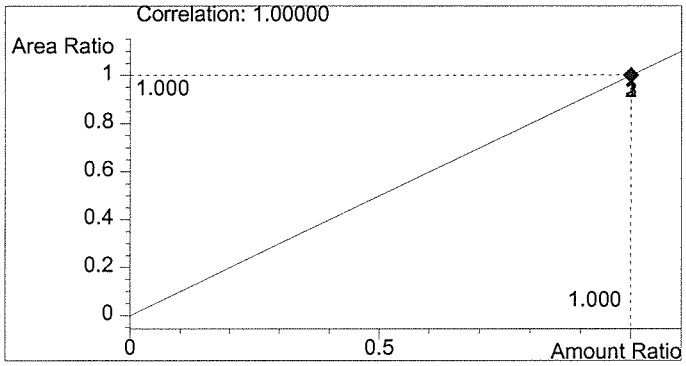


#	Compound	Area	RT
1	Ethanol	1497	1.062
2	n-Propanol	3036	1.851

Totals:



Ethanol 0.102 g/100ml



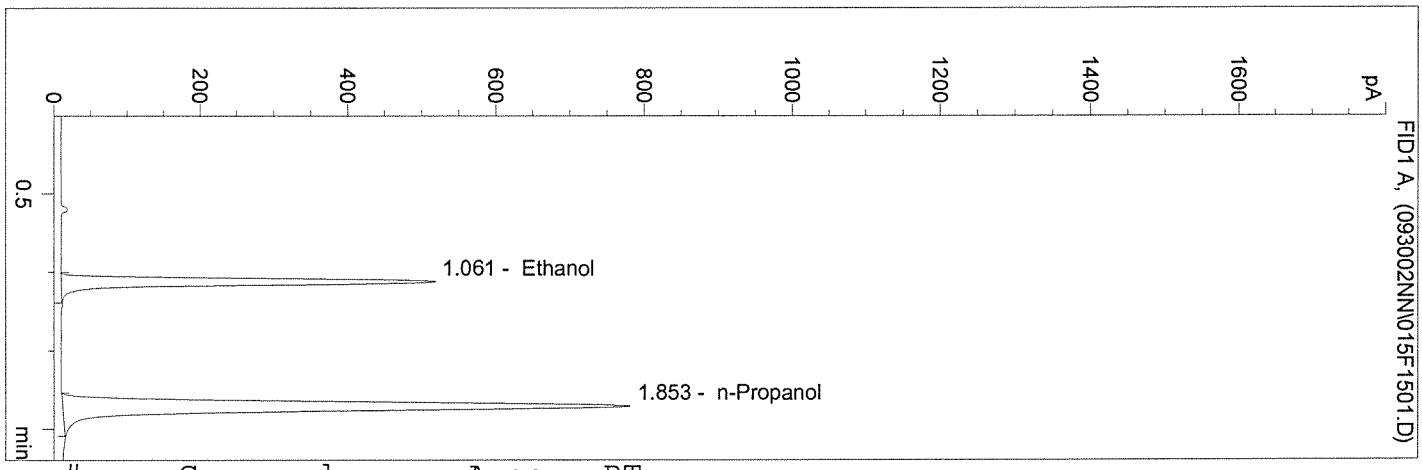
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/30/02 2:00:32 PM
Instrument 2
-ALC1

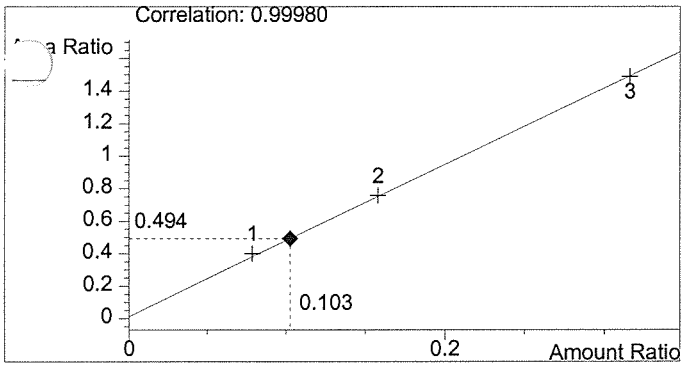
02035-2 SIM
Naziha Nuwayhid, PhD

vial # 15

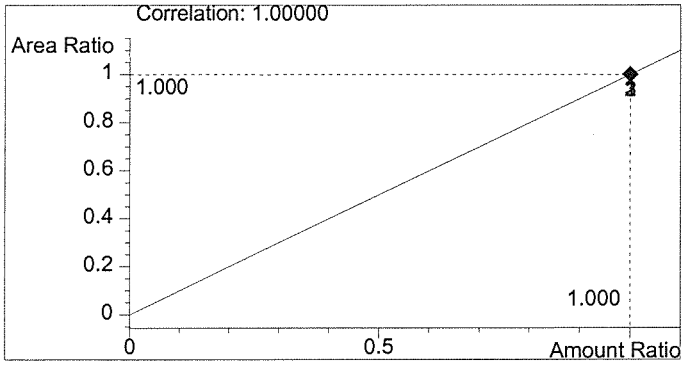


#	Compound	Area	RT
1	Ethanol	1492	1.061
2	n-Propanol	3022	1.853

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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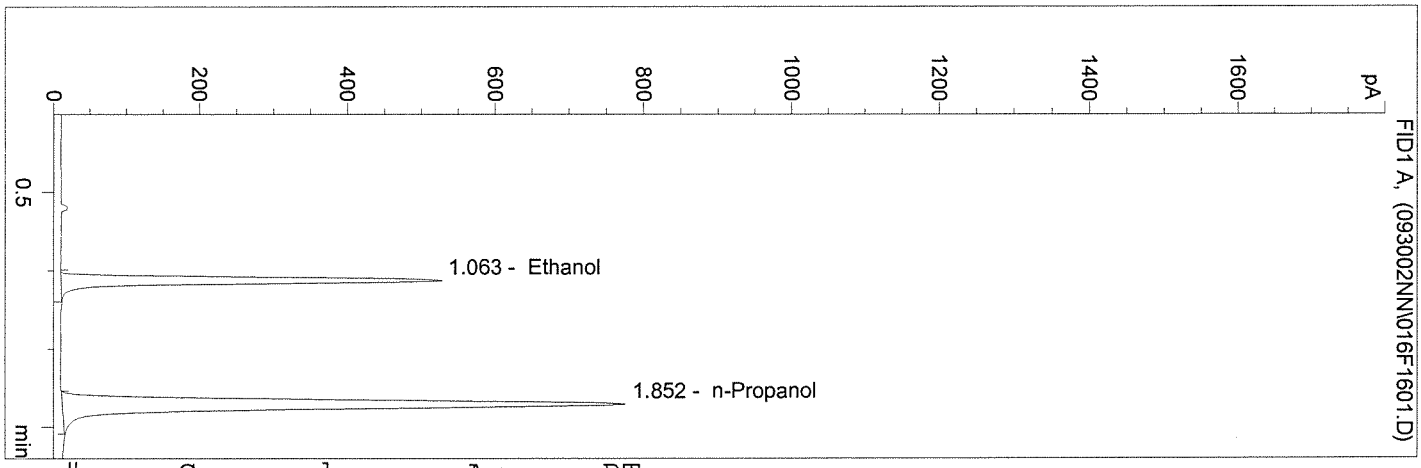
9/30/02 2:03:34 PM
Instrument 2
-ALC1

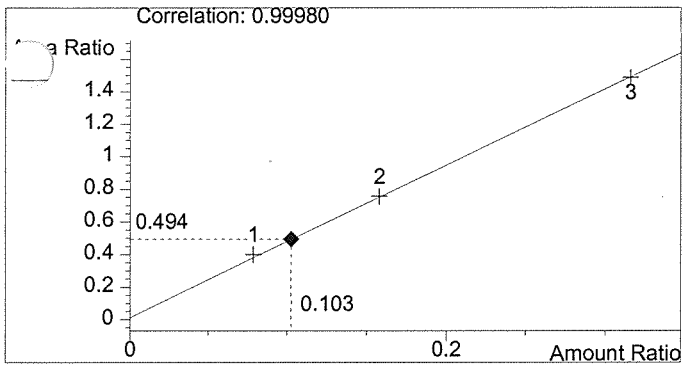
02035-3 SIM
Naziha Nuwayhid, PhD

vial # 16

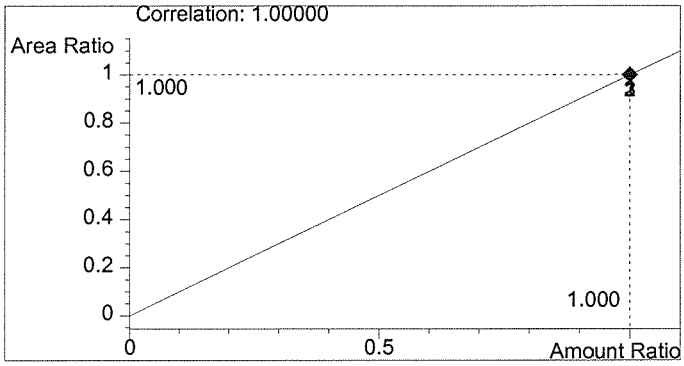


#	Compound	Area	RT
1	Ethanol	1479	1.063
2	n-Propanol	2996	1.852

Totals:



Ethanol 0.103 g/100ml



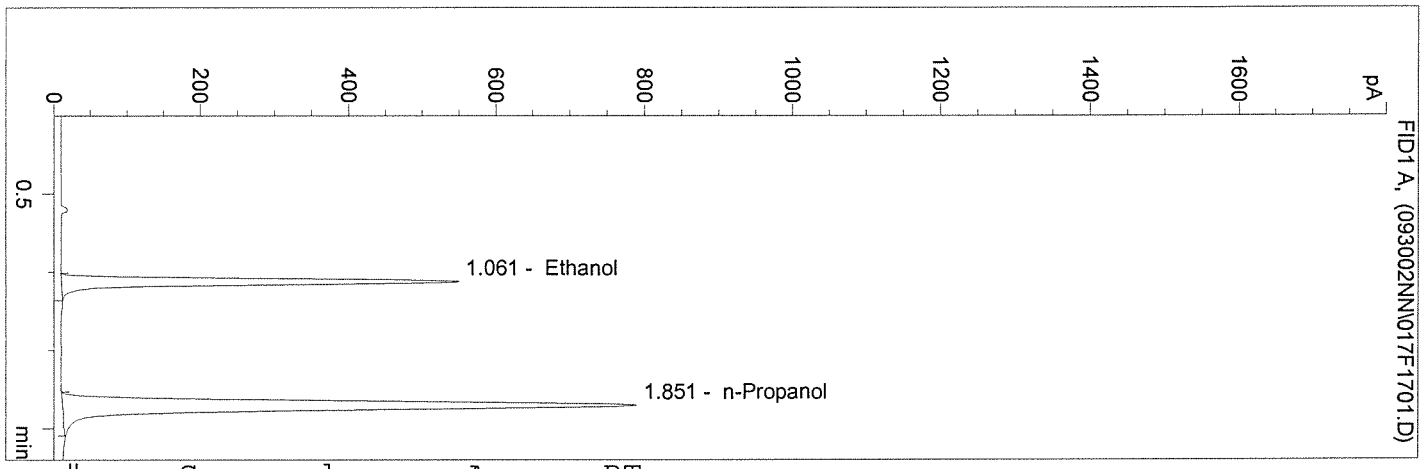
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/30/02 2:06:47 PM
Instrument 2
-ALC1

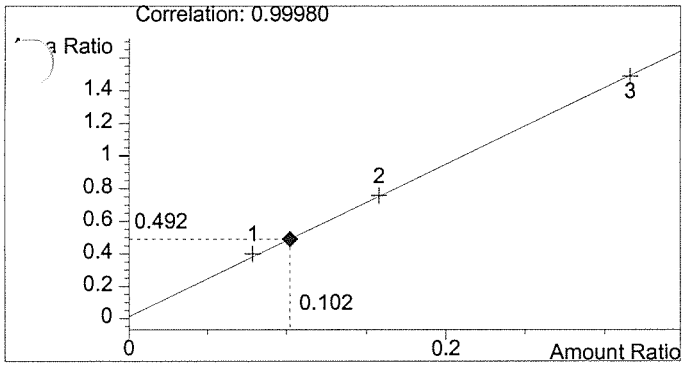
02035-4 SIM
Naziha Nuwayhid, PhD

vial # 17

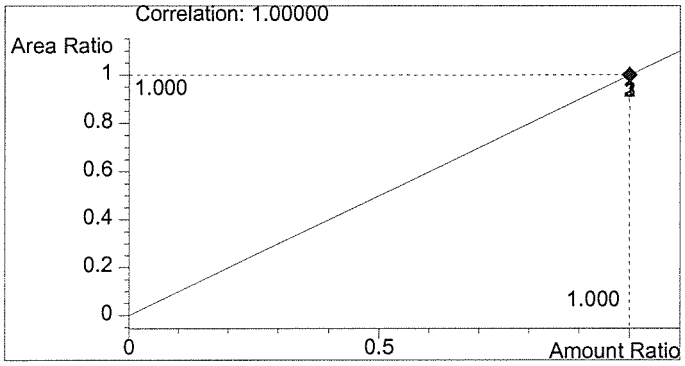


#	Compound	Area	RT
1	Ethanol	1494	1.061
2	n-Propanol	3040	1.851

Totals:



Ethanol 0.102 g/100ml



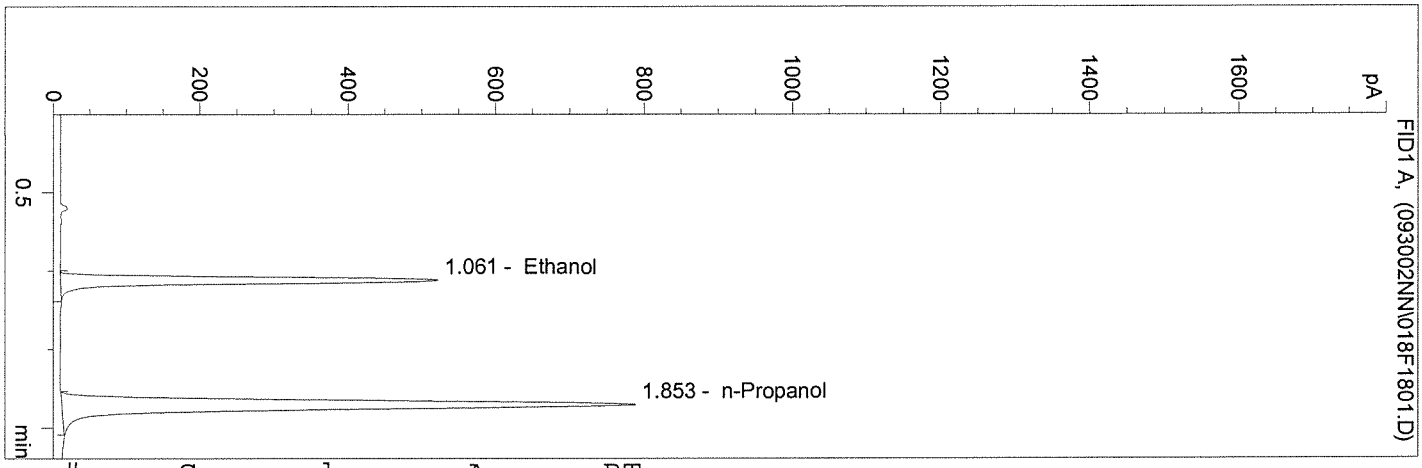
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/30/02 2:09:49 PM
Instrument 2
-ALC1

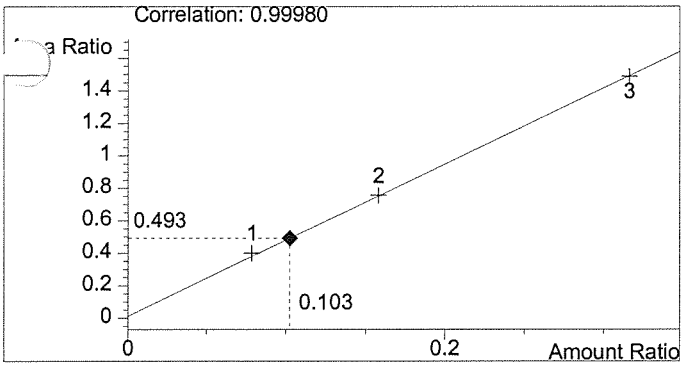
02035-5 SIM
Naziha Nuwayhid, PhD

vial # 18

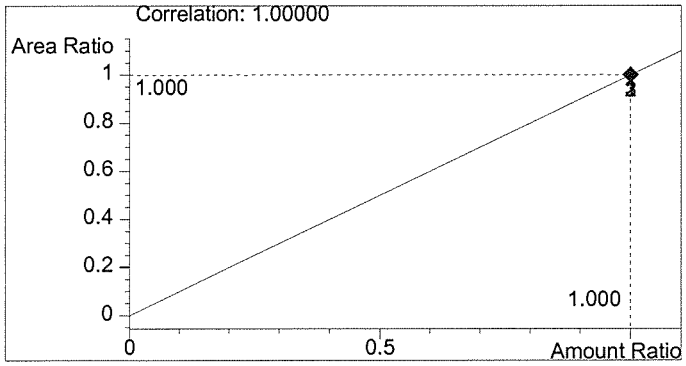


#	Compound	Area	RT
1	Ethanol	1498	1.061
2	n-Propanol	3036	1.853

Totals:



Ethanol 0.103 g/100ml



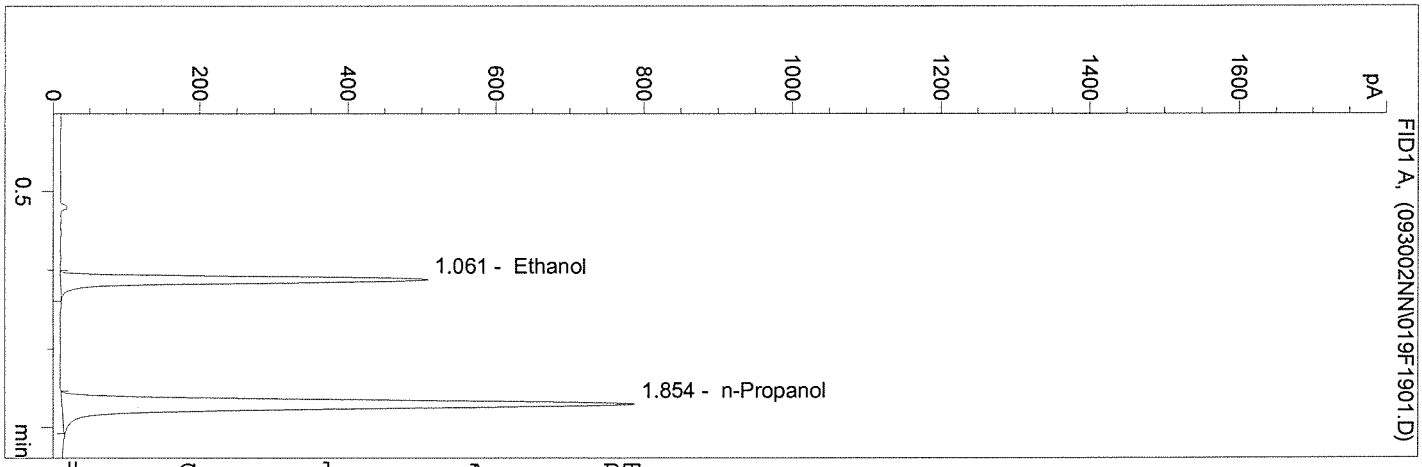
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
9/30/02 2:12:51 PM
Instrument 2
-ALC1

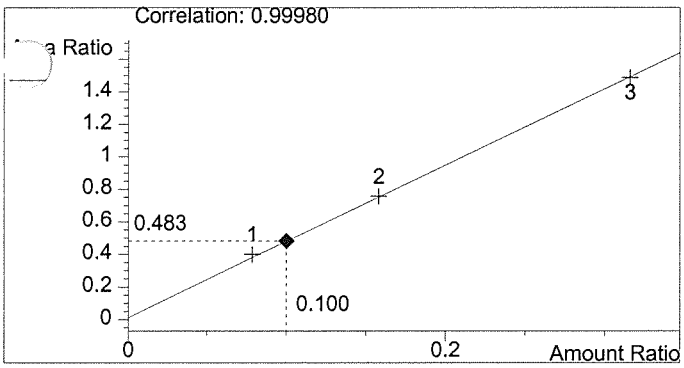
0.100 CTRL
Naziha Nuwayhid, PhD

vial # 19

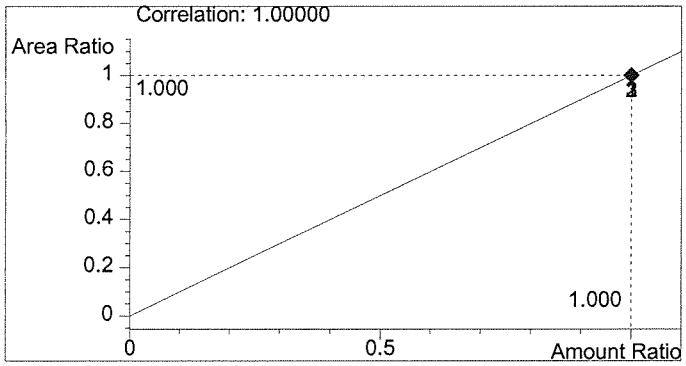


#	Compound	Area	RT
1	Ethanol	1463	1.061
2	n-Propanol	3032	1.854

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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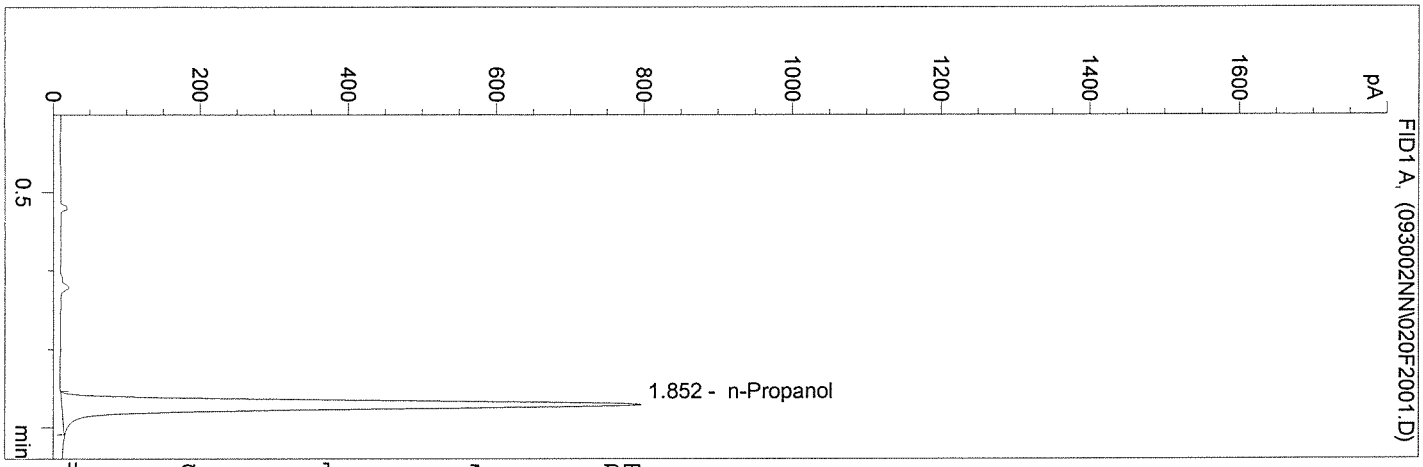
9/30/02 2:15:52 PM
Instrument 2
-ALC1

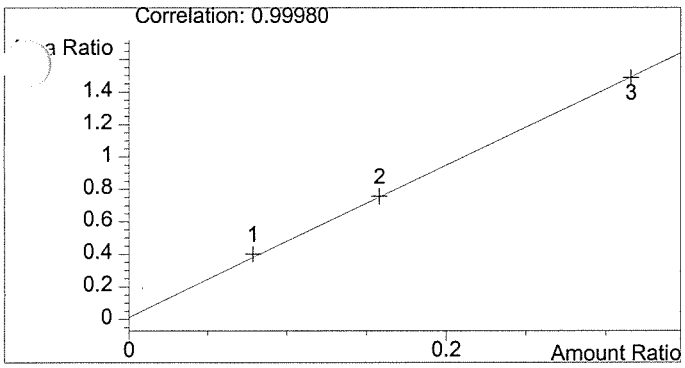
Blank
Naziha Nuwayhid, PhD

vial # 20

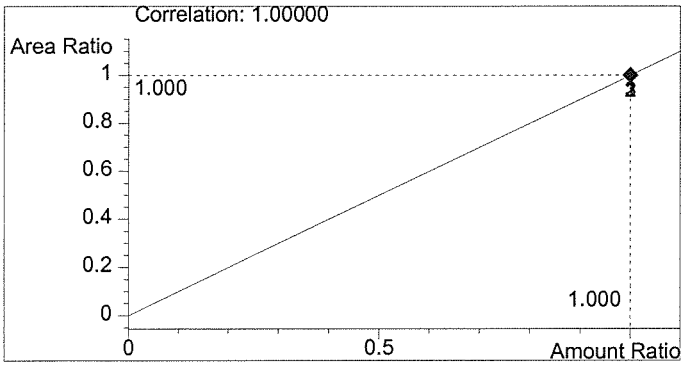


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3075	1.852

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	02035-1	BLDALCO3	1	Sample		
2	2	02035-2	BLDALCO3	1	Sample		
3	3	02035-3	BLDALCO3	1	Sample		
4	4	02035-4	BLDALCO3	1	Sample		
5	5	02035-5	BLDALCO3	1	Sample		
6	6	0.10 CONTROL	BLDALCO3	1	Ctrl Samp		
7	7	BLANK	BLDALCO3	1	Sample		

Standards in ST025773

Sequence Table (Back Injector):

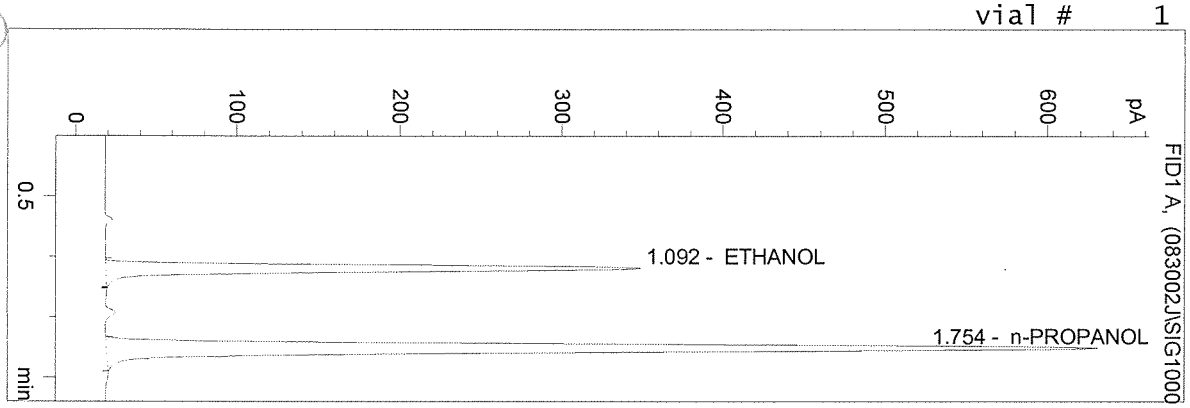
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/30/02 2:31:27 PM
Instrument 3
DB-ALC1

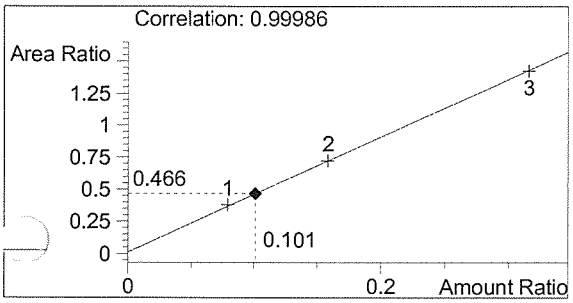
02035-1
Jayne E. Thatcher

vial # 1

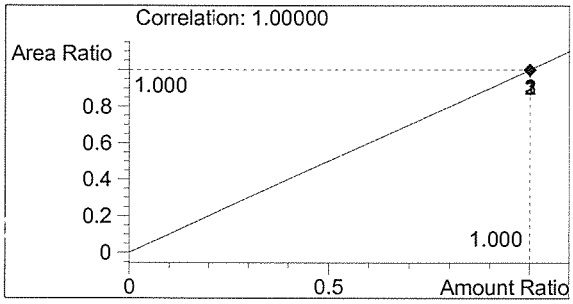


#	Compound	Area	RT
1	ETHANOL	1303	1.092
2	n-PROPANOL	2795	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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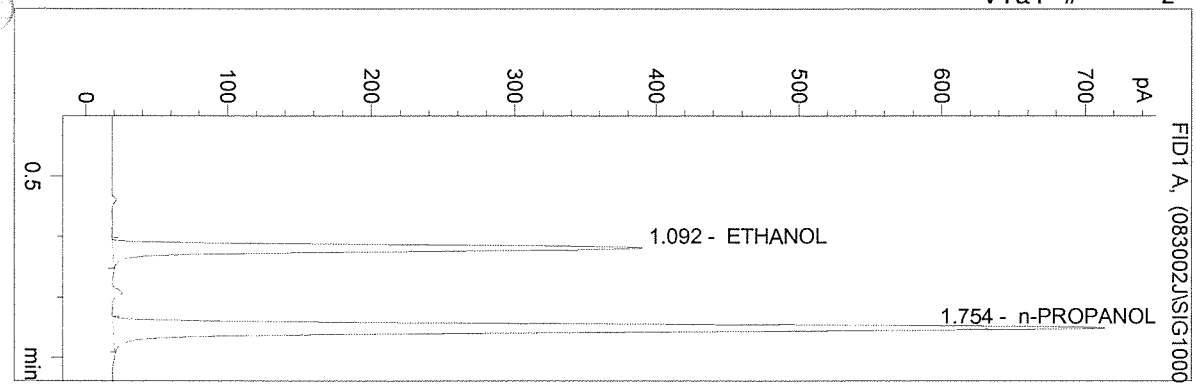
9/30/02 2:34:37 PM
Instrument 3
DB-ALC1

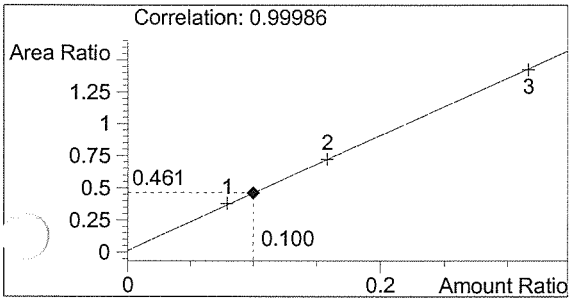
02035-2
Jayne E. Thatcher

vial # 2

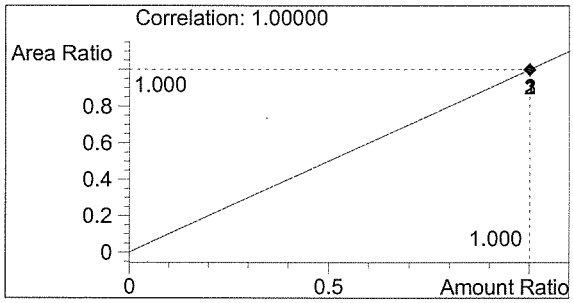


#	Compound	Area	RT
1	ETHANOL	1451	1.092
2	n-PROPANOL	3149	1.754

Totals:



ETHANOL 0.100 g/100mL



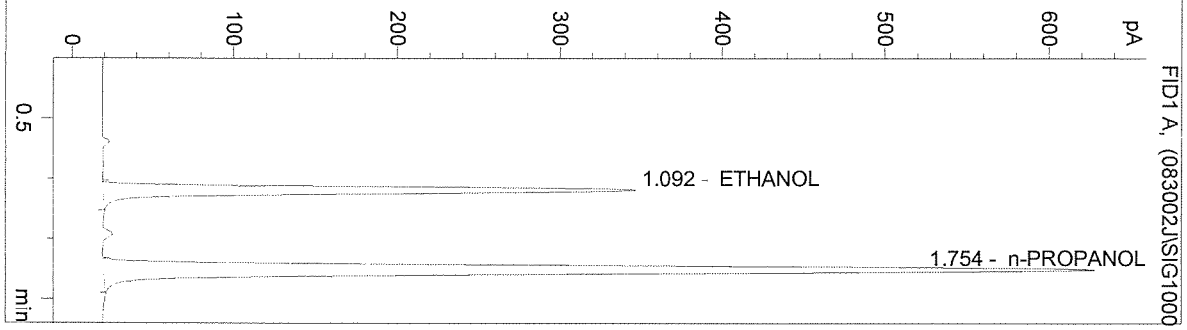
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/30/02 2:37:46 PM
Instrument 3
DB-ALC1

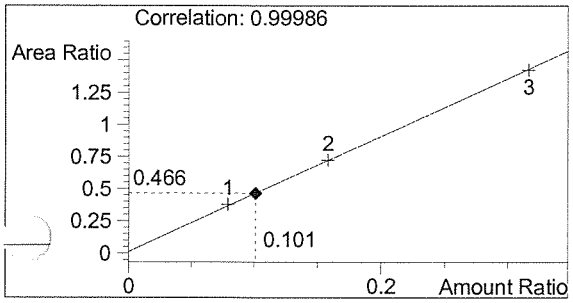
02035-3
Jayne E. Thatcher

vial # 3

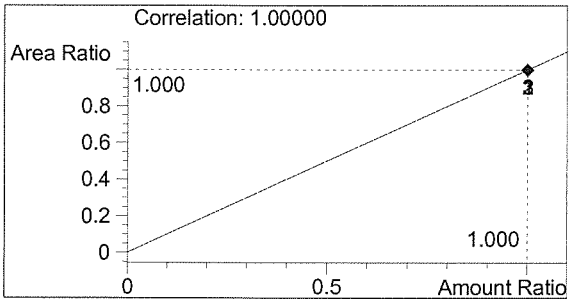


#	Compound	Area	RT
1	ETHANOL	1294	1.092
2	n-PROPANOL	2780	1.754

Totals:



ETHANOL 0.101 g/100mL



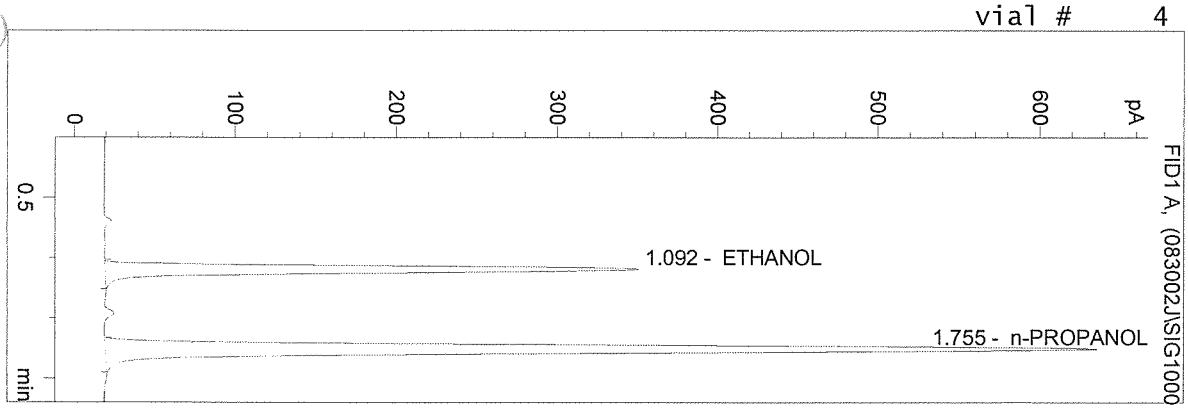
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

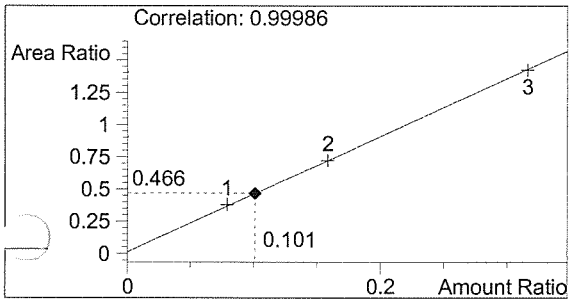
C:\HPCHEM\1\METHODS\BLDALCO3.M
9/30/02 2:40:56 PM
Instrument 3
DB-ALC1

02035-4
Jayne E. Thatcher

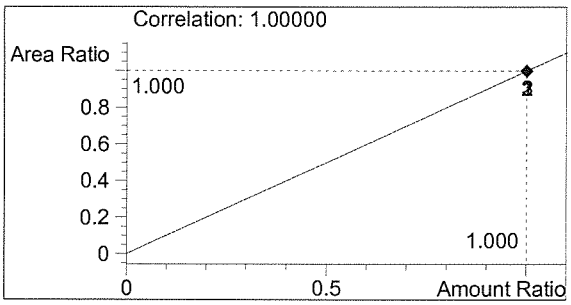
vial # 4



#	Compound	Area	RT
1	ETHANOL	1312	1.092
2	n-PROPANOL	2814	1.755
Totals:			



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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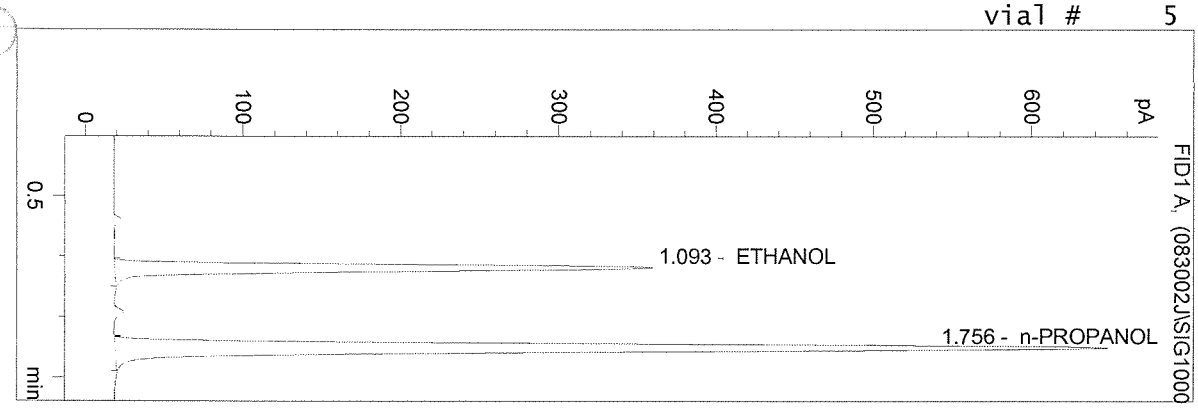
9/30/02 2:44:25 PM
Instrument 3
DB-ALC1

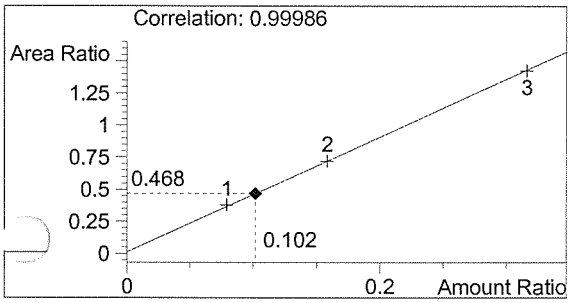
02035-5
Jayne E. Thatcher

vial # 5

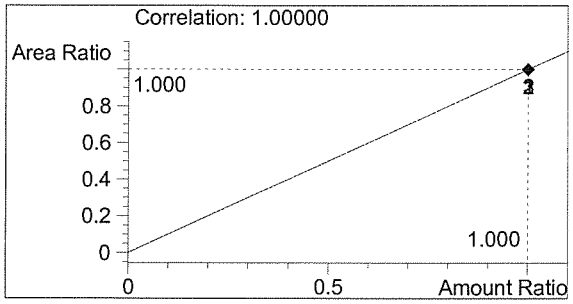


#	Compound	Area	RT
1	ETHANOL	1350	1.093
2	n-PROPANOL	2882	1.756

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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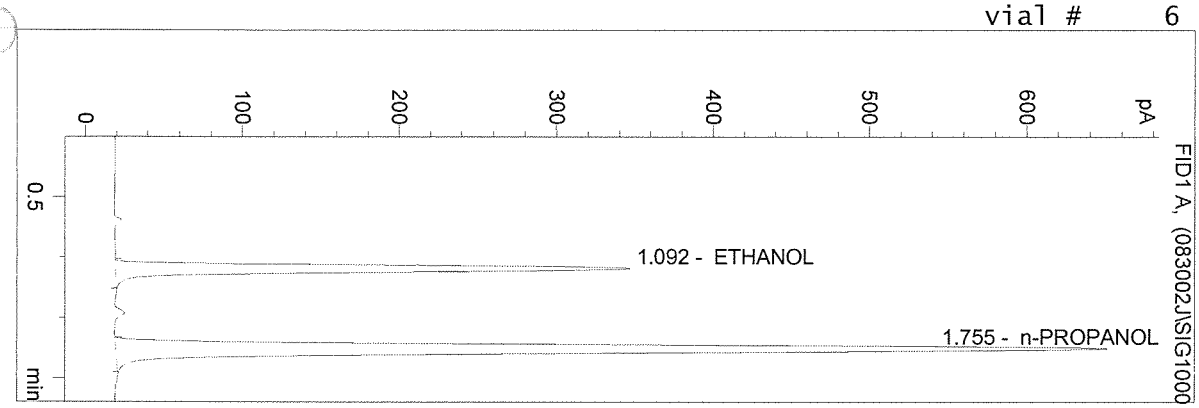
Instrument 3
DB-ALC1

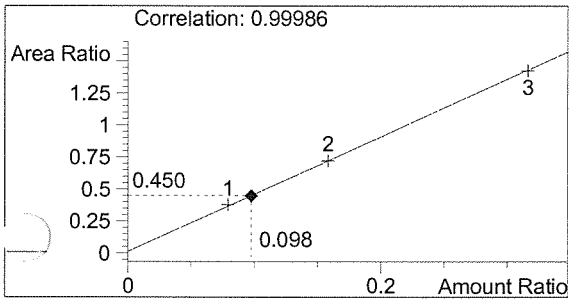
0.10 CONTROL
Jayne E. Thatcher

vial # 6

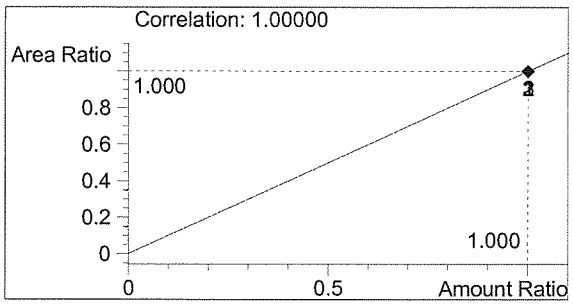


#	Compound	Area	RT
1	ETHANOL	1300	1.092
2	n-PROPANOL	2890	1.755

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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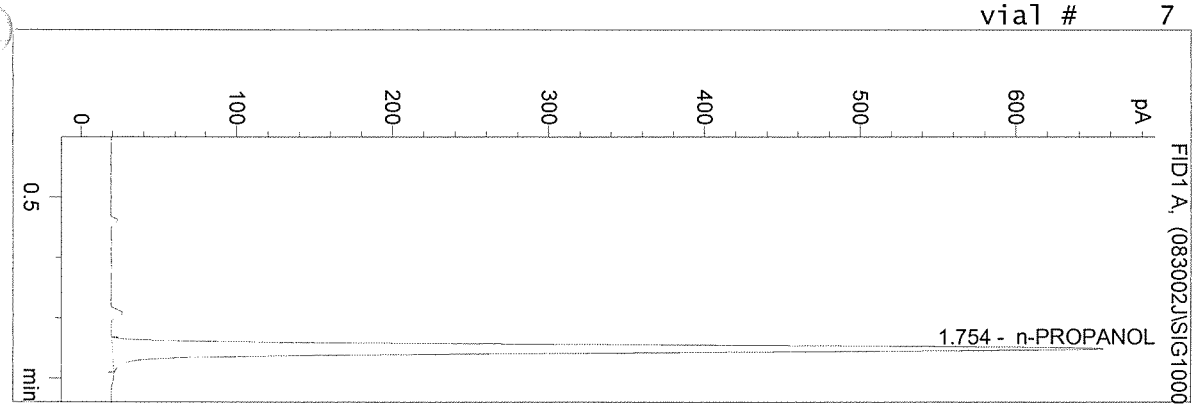
9/30/02 2:51:11 PM
Instrument 3
DB-ALC1

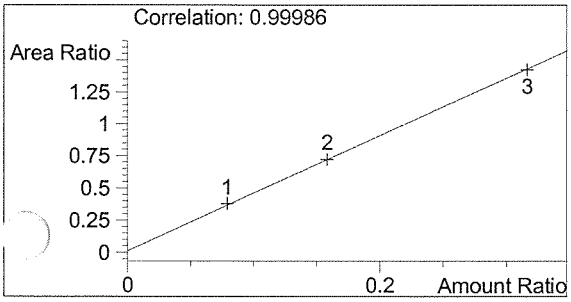
BLANK
Jayne E. Thatcher

vial # 7

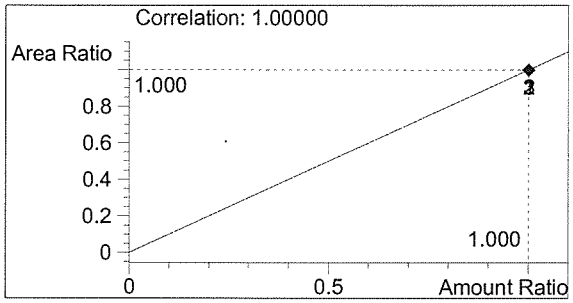


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2891	1.754

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY Cal in 025823

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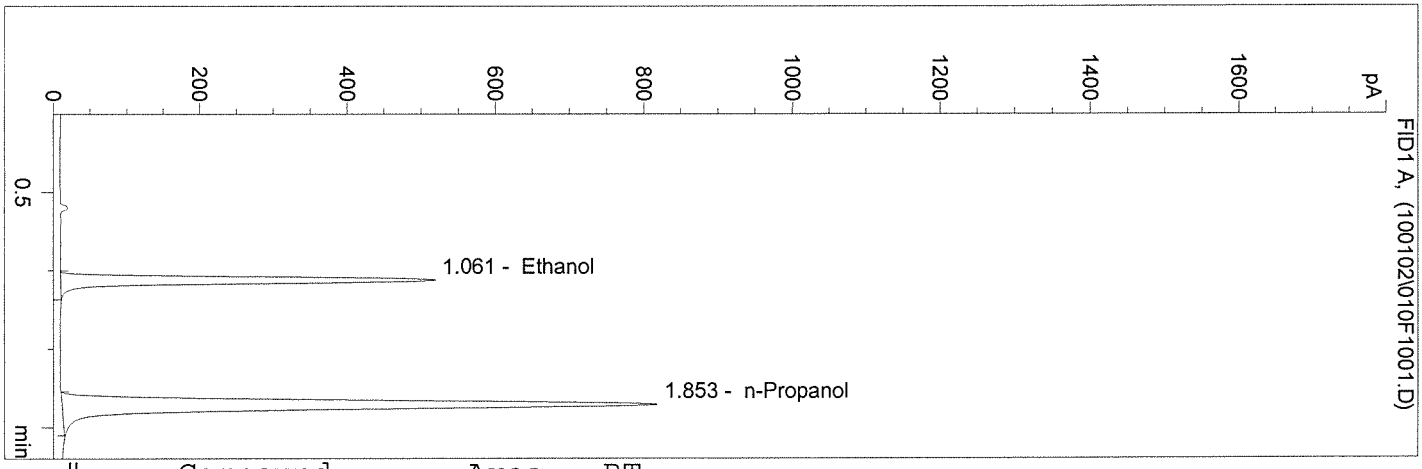
10/1/02 8:50:38 AM
Instrument 2
-ALC1

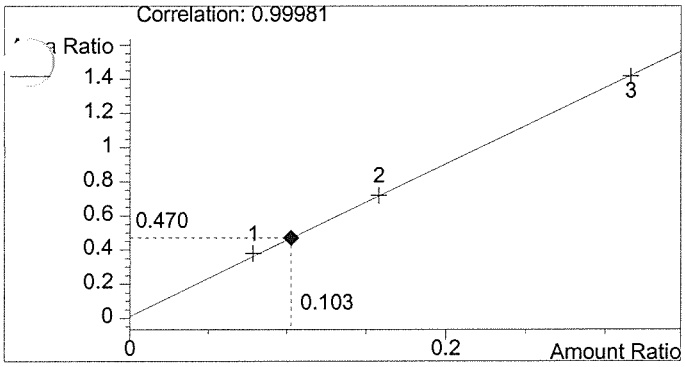
02035 SIM SOL
RUTH LUTHI

vial # 10

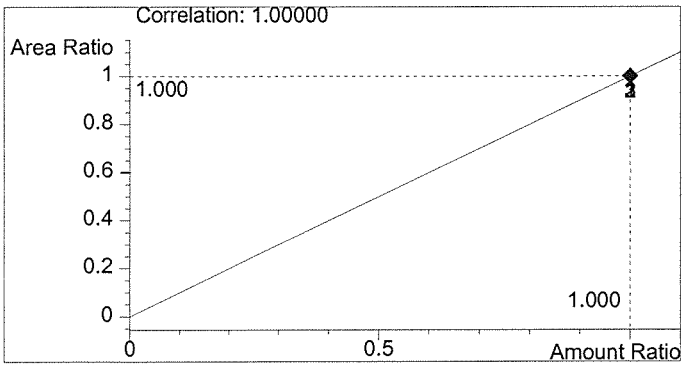


#	Compound	Area	RT
1	Ethanol	1485	1.061
2	n-Propanol	3159	1.853

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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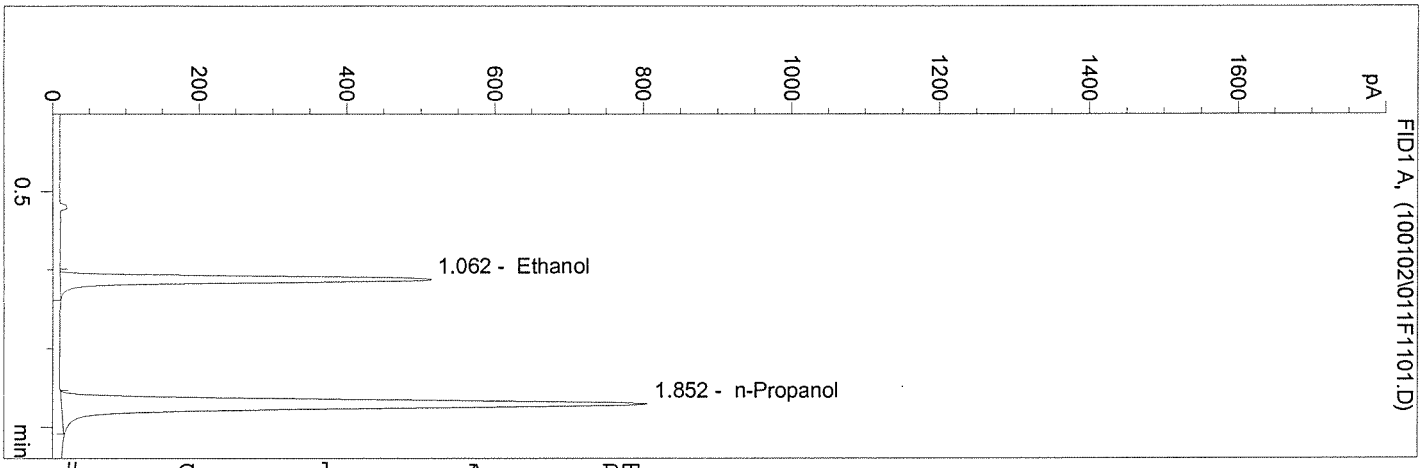
10/1/02 8:53:40 AM
Instrument 2
-ALC1

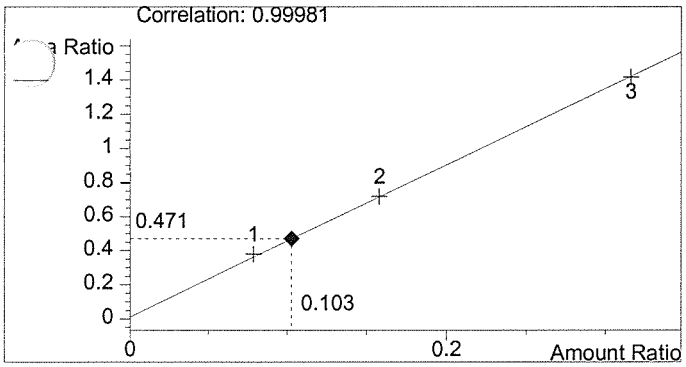
02035 SIM SOL
RUTH LUTHI

vial # 11

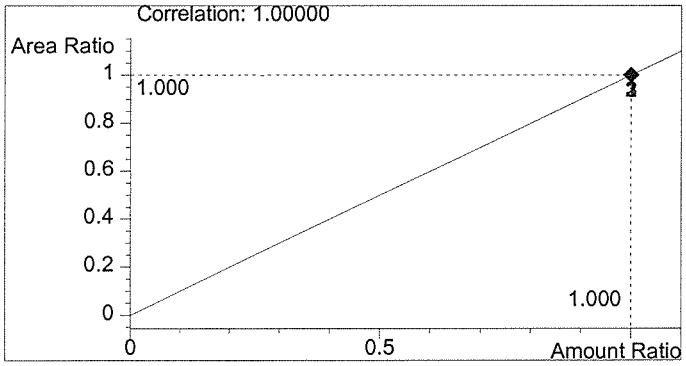


#	Compound	Area	RT
1	Ethanol	1467	1.062
2	n-Propanol	3114	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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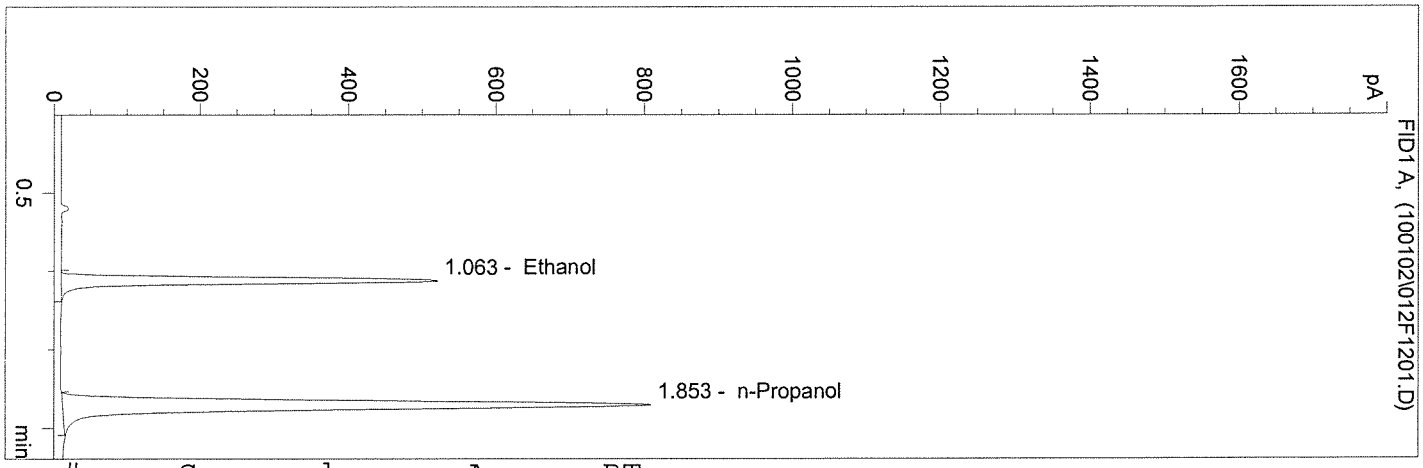
10/1/02 8:56:42 AM
Instrument 2
-ALC1

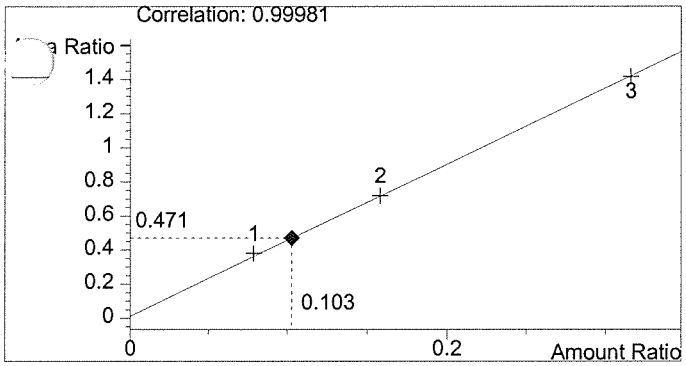
02035 SIM SOL
RUTH LUTHI

vial # 12

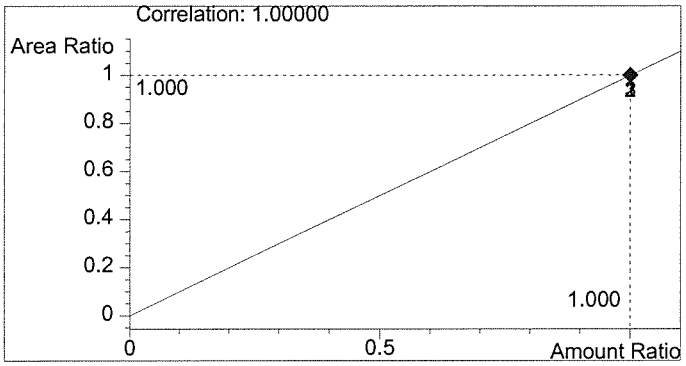


#	Compound	Area	RT
1	Ethanol	1472	1.063
2	n-Propanol	3124	1.853

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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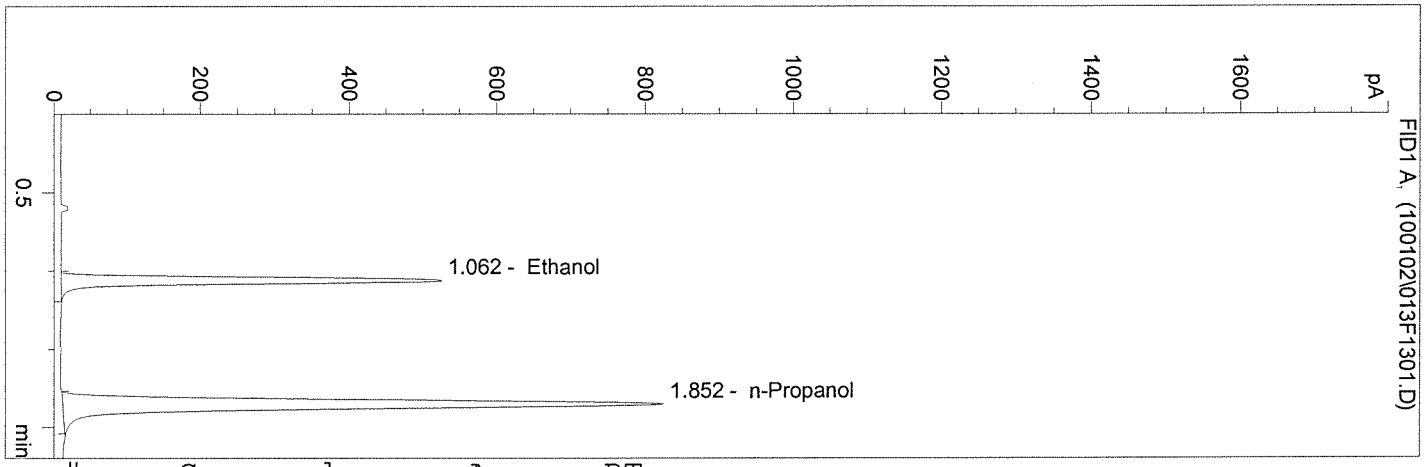
10/1/02 8:59:44 AM
Instrument 2
-ALC1

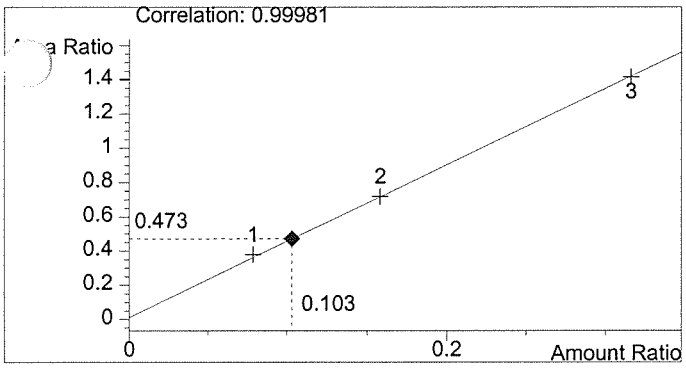
02035 SIM SOL
RUTH LUTHI

vial # 13

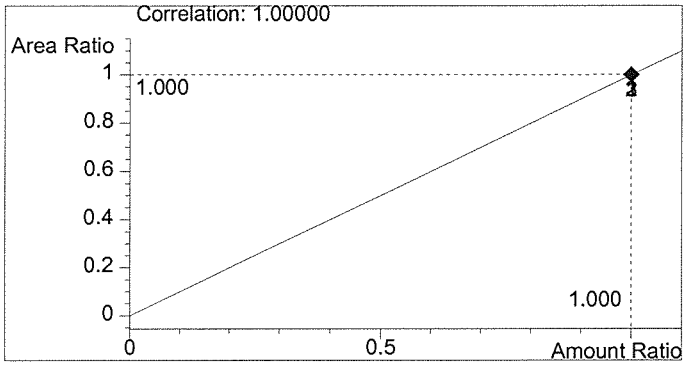


#	Compound	Area	RT
1	Ethanol	1501	1.062
2	n-Propanol	3175	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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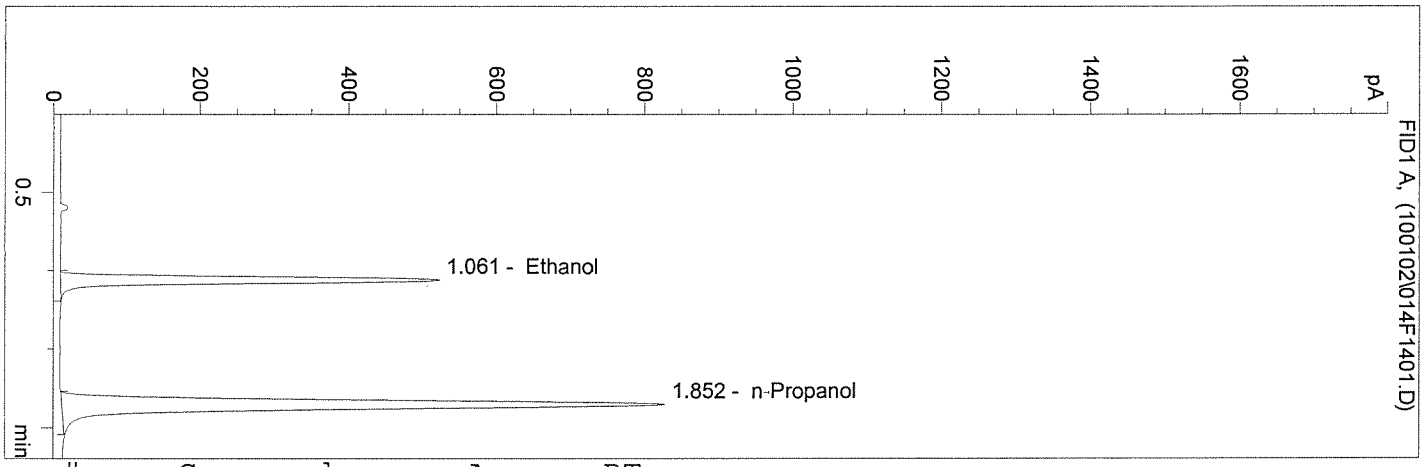
10/1/02 9:02:55 AM
Instrument 2
-ALC1

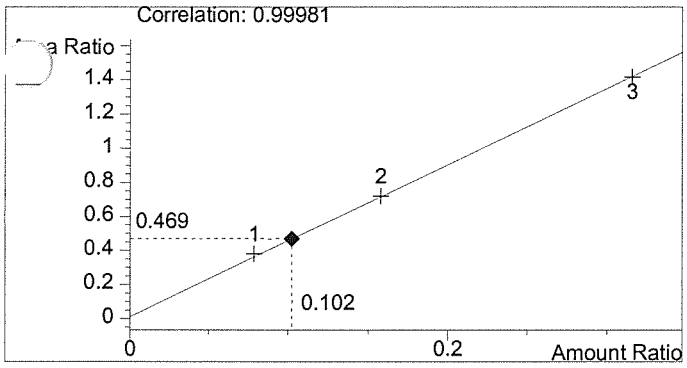
02035 SIM SOL
RUTH LUTHI

vial # 14

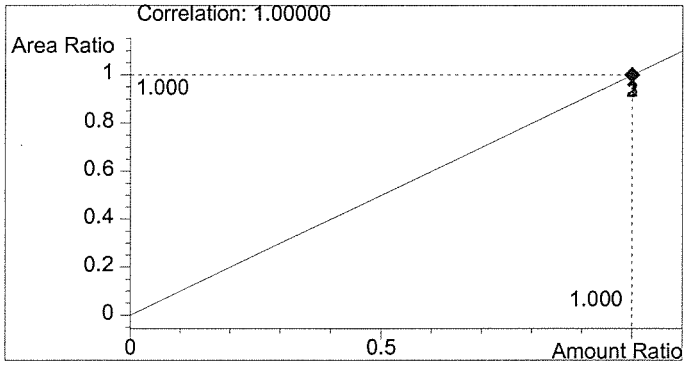


#	Compound	Area	RT
1	Ethanol	1496	1.061
2	n-Propanol	3192	1.852

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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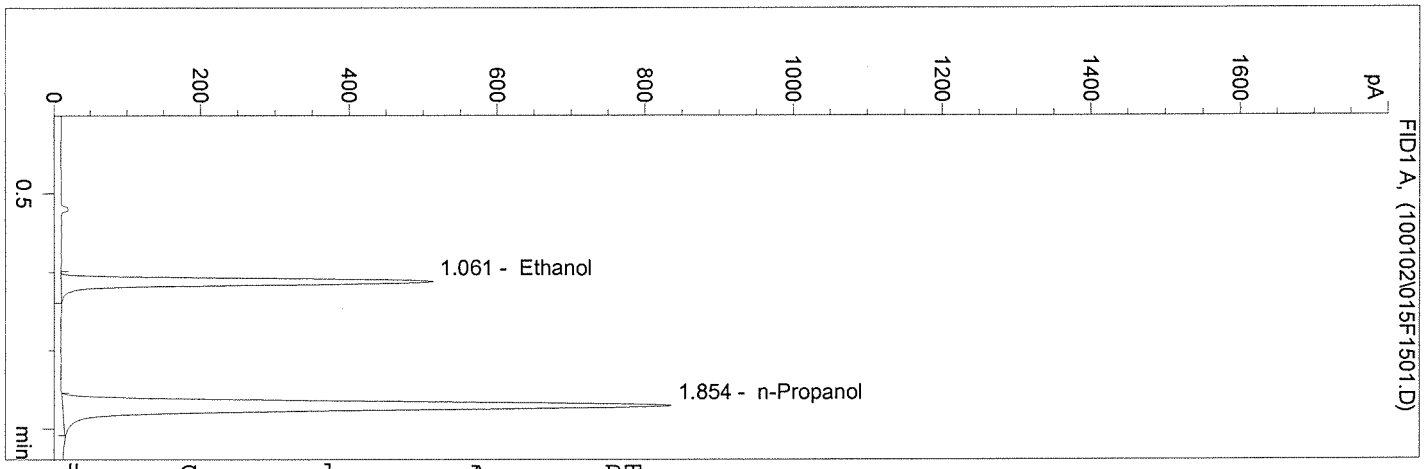
10/1/02 9:05:57 AM
Instrument 2
ALC1

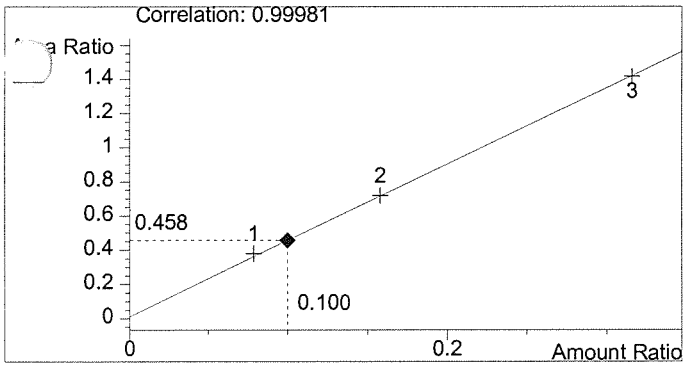
0.100 CTRL
RUTH LUTHI

vial # 15

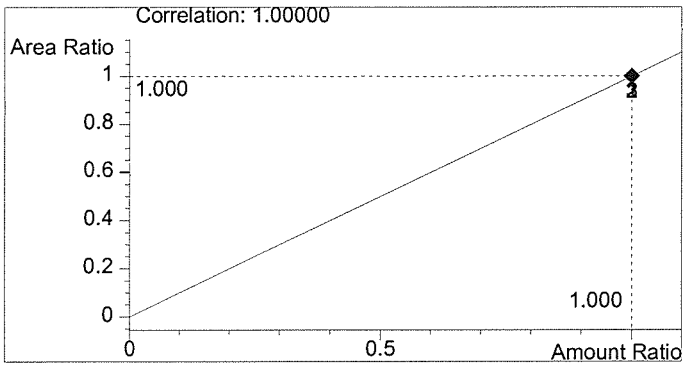


#	Compound	Area	RT
1	Ethanol	1477	1.061
2	n-Propanol	3224	1.854

Totals:



Ethanol 0.100 g/100ml



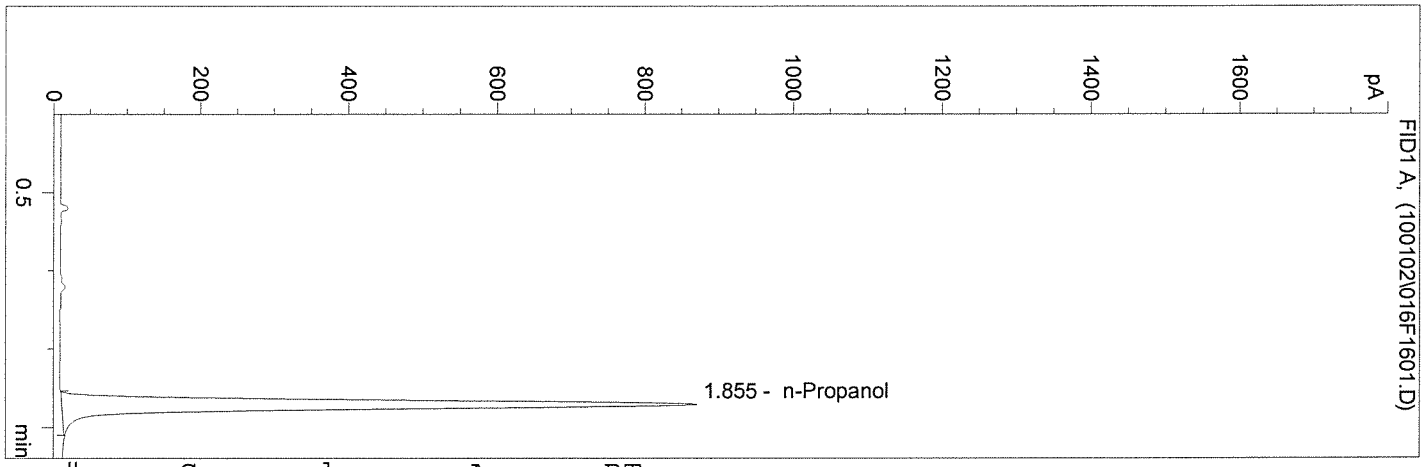
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
10/1/02 9:08:59 AM
Instrument 2
-ALC1

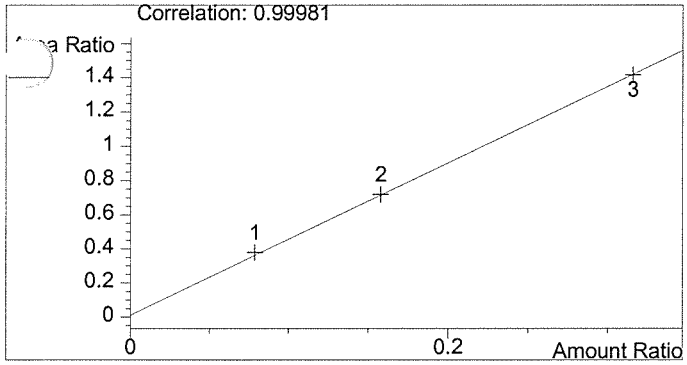
BLANK
RUTH LUTHI

vial # 16

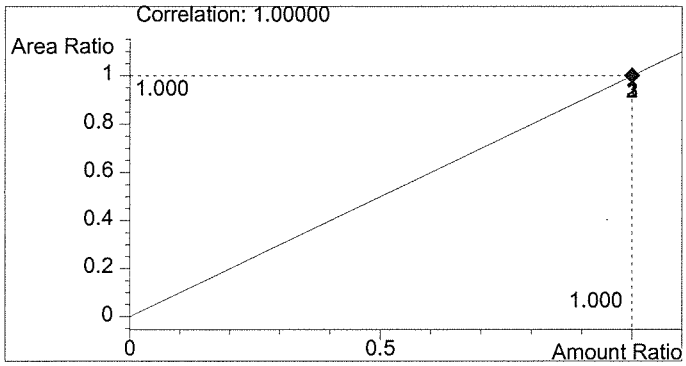


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3376	1.855

Totals:



Ethanol 0.000 g/100ml



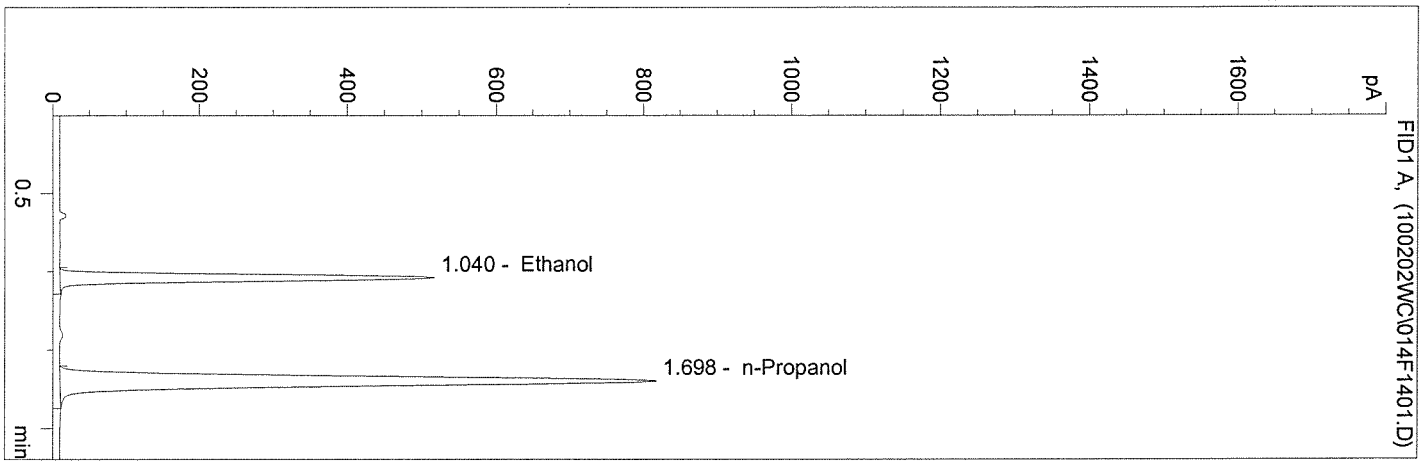
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/2/02 1:24:45 PM
Instrument 1
-ALC1

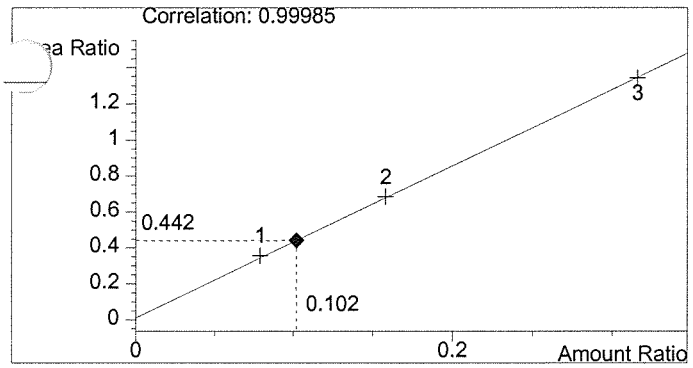
02035 SIM SOLN
WP MARSHALL

vial # 14

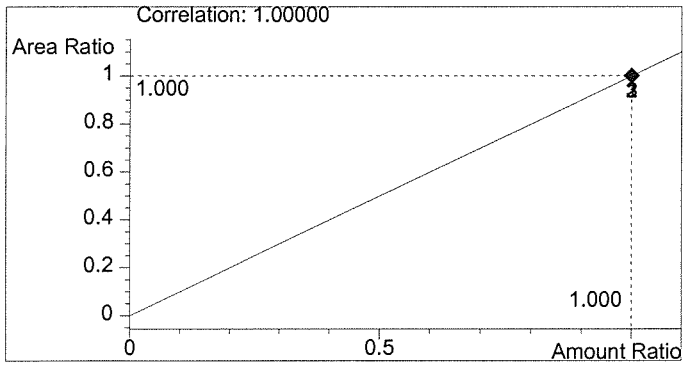


#	Compound	Area	RT
1	Ethanol	1489	1.040
2	n-Propanol	3368	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

STDS
025850

WASHINGTON STATE TOXICOLOGY LABORATORY

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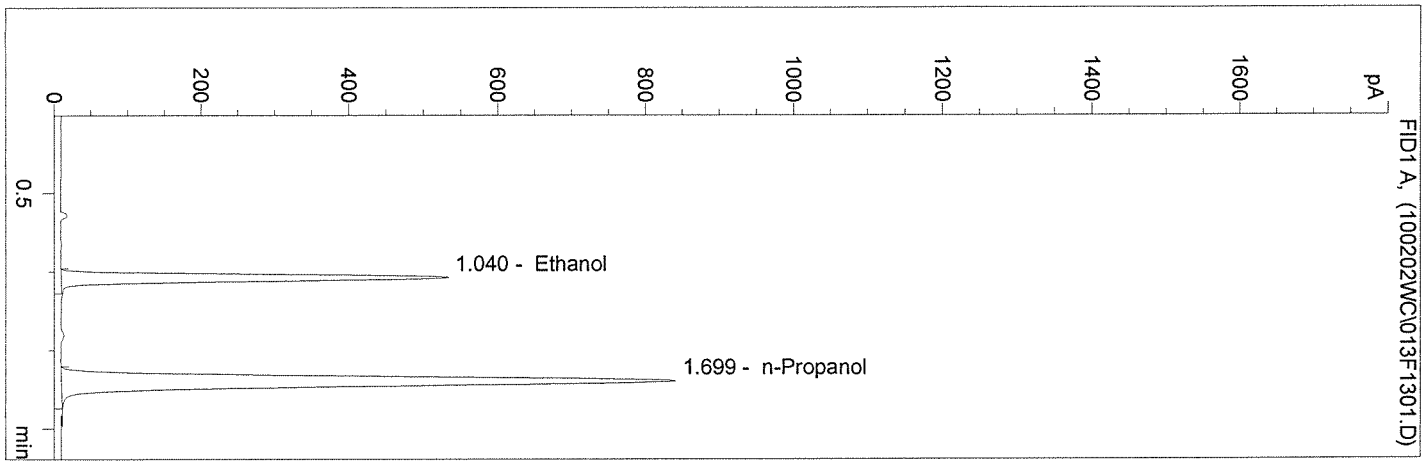
Instrument 1
-ALC1

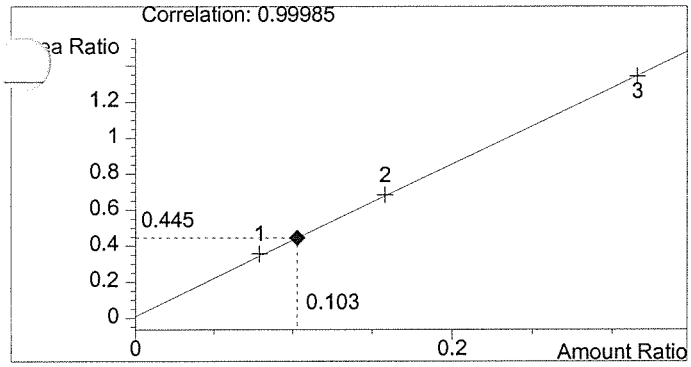
02035 SIM SOLN
WP MARSHALL

vial # 13

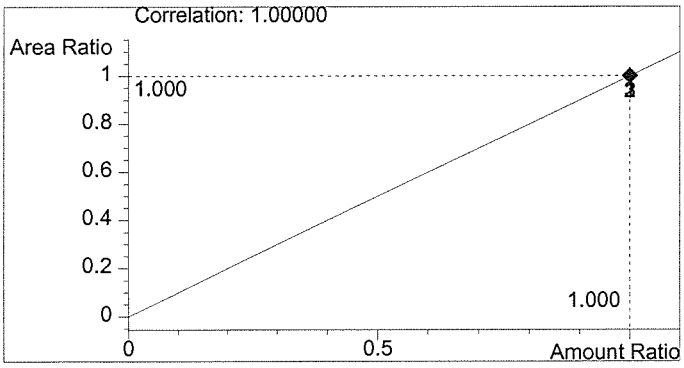


#	Compound	Area	RT
1	Ethanol	1545	1.040
2	n-Propanol	3469	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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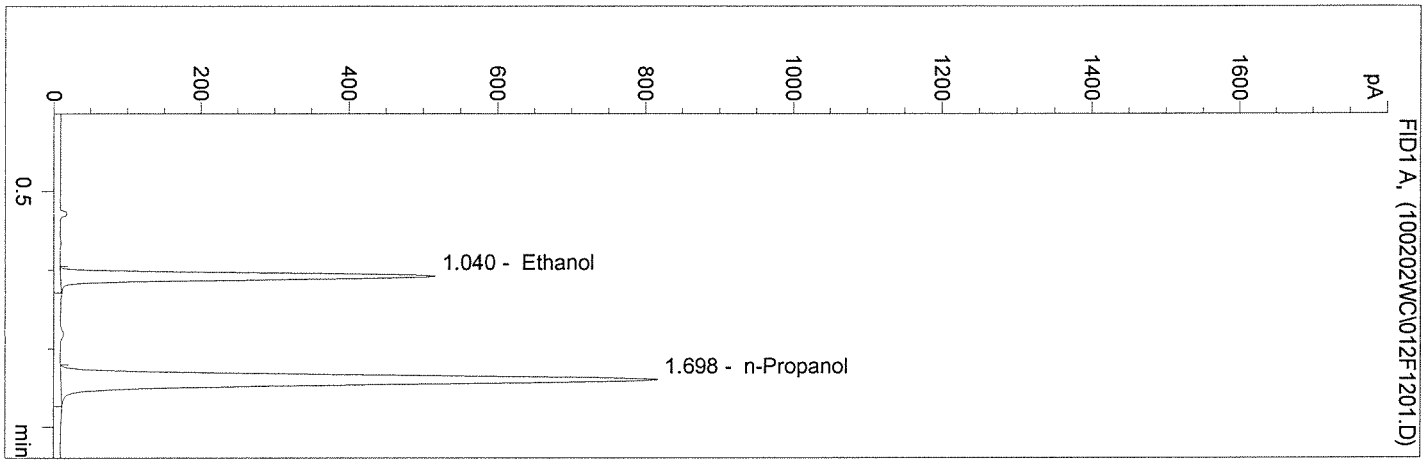
Instrument 1
-ALC1

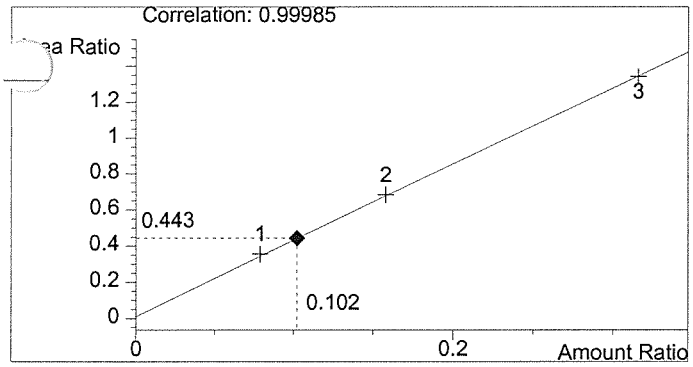
02035 SIM SOLN
WP MARSHALL

vial # 12

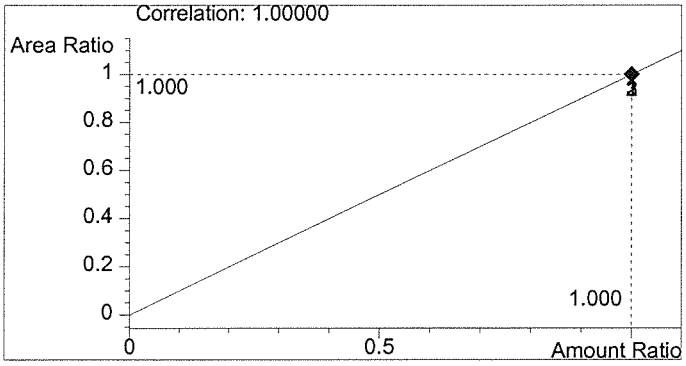


#	Compound	Area	RT
1	Ethanol	1492	1.040
2	n-Propanol	3365	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
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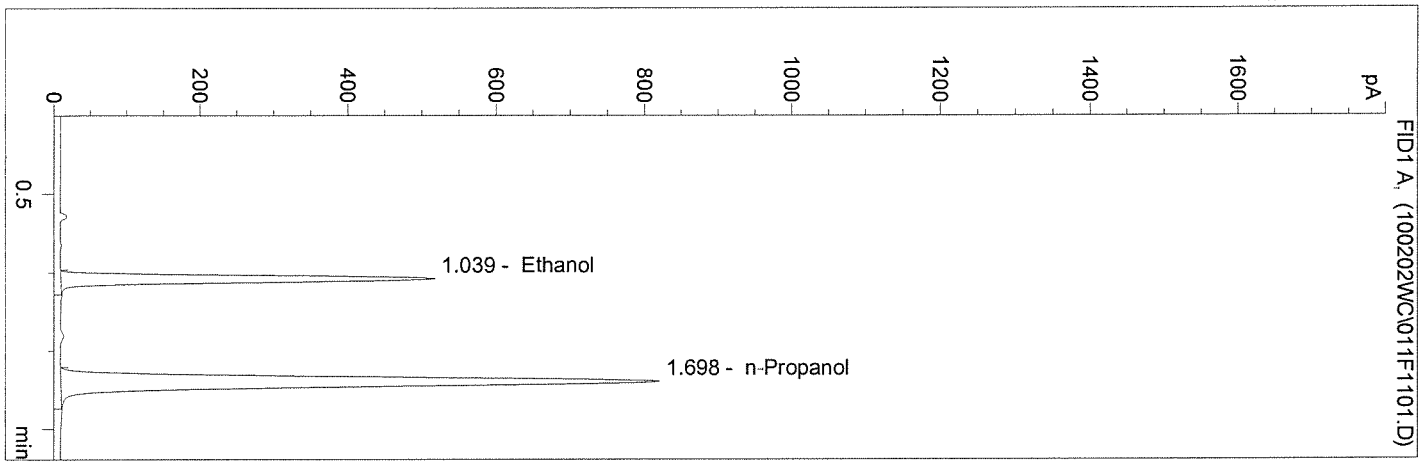
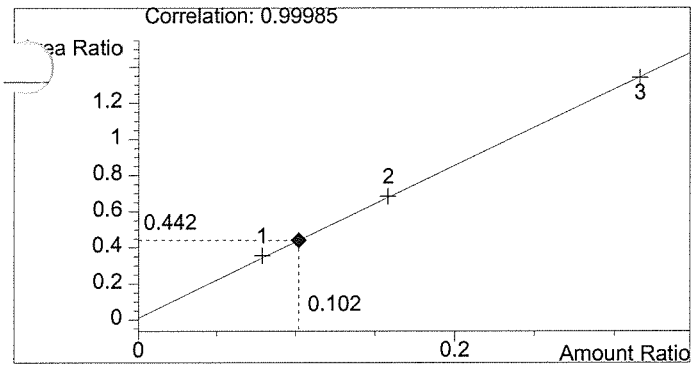
02035 SIM SOLN
WP MARSHALL

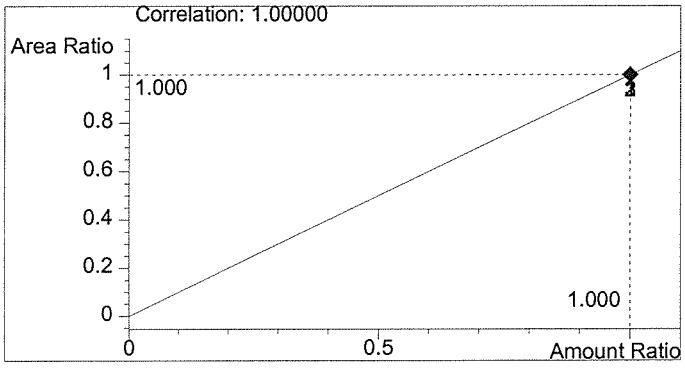
vial # 11



#	Compound	Area	RT
1	Ethanol	1495	1.039
2	n-Propanol	3383	1.698
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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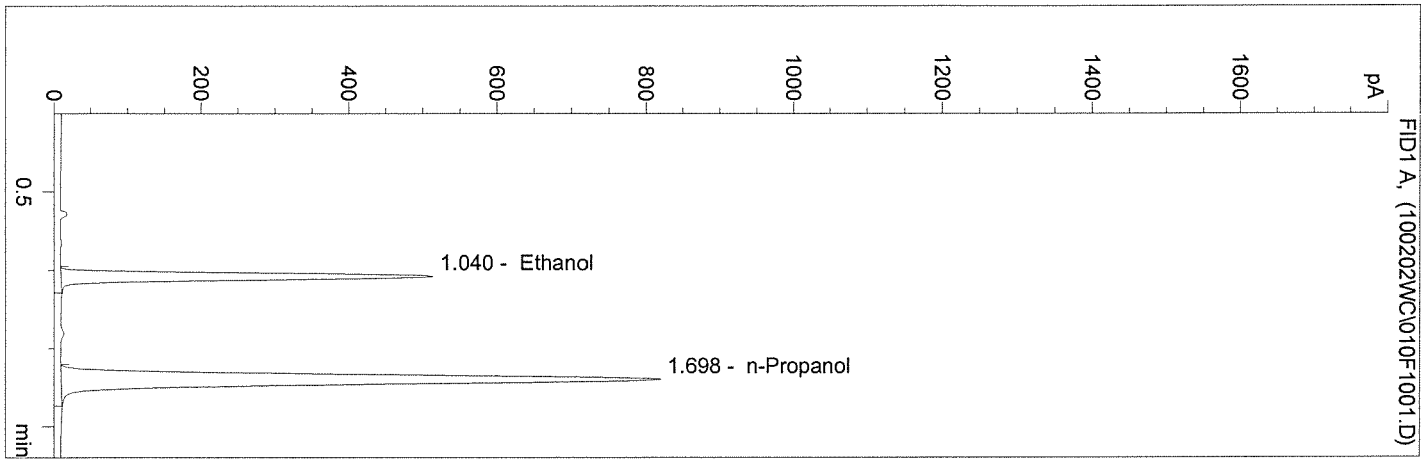
Instrument 1
-ALC1

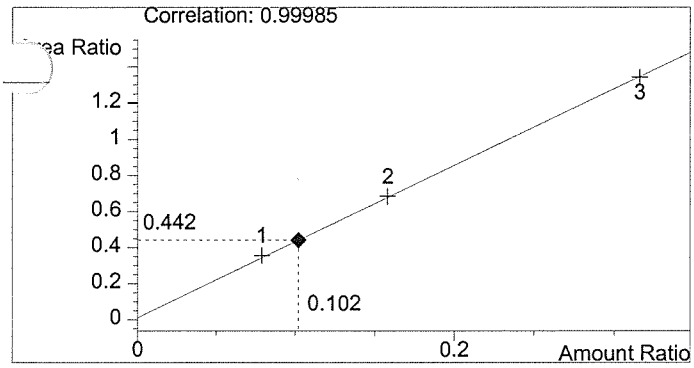
02035 SIM SOLN
WP MARSHALL

vial # 10

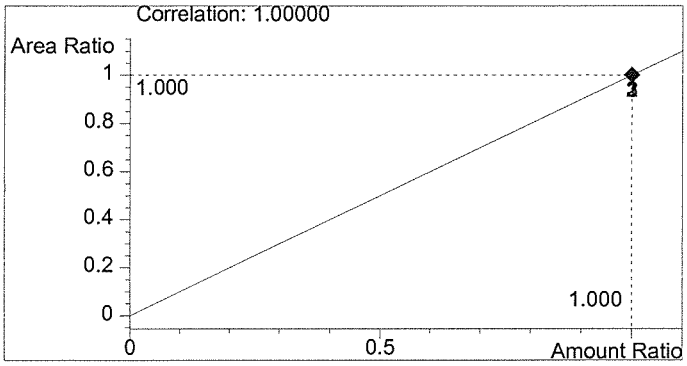


#	Compound	Area	RT
1	Ethanol	1493	1.040
2	n-Propanol	3379	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
-ALC1

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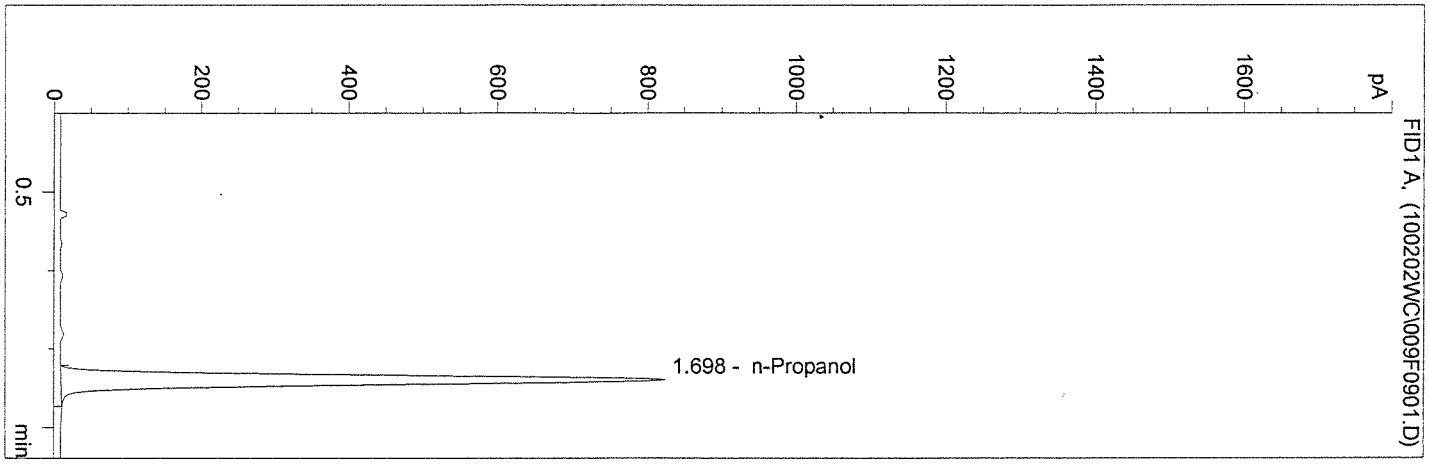
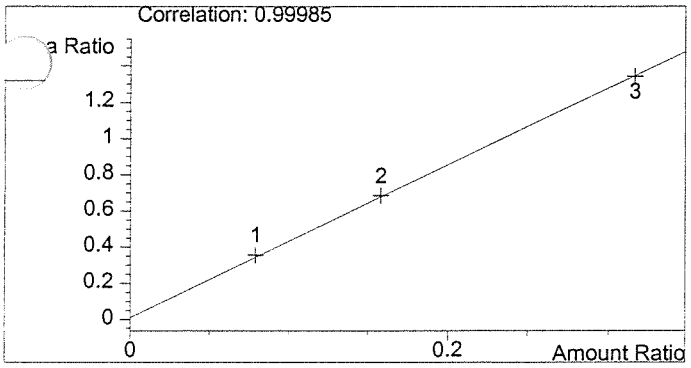
WP MARSHALL

vial # 9

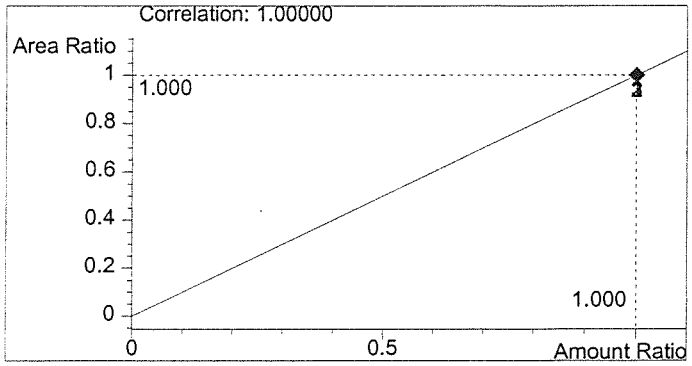


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3396	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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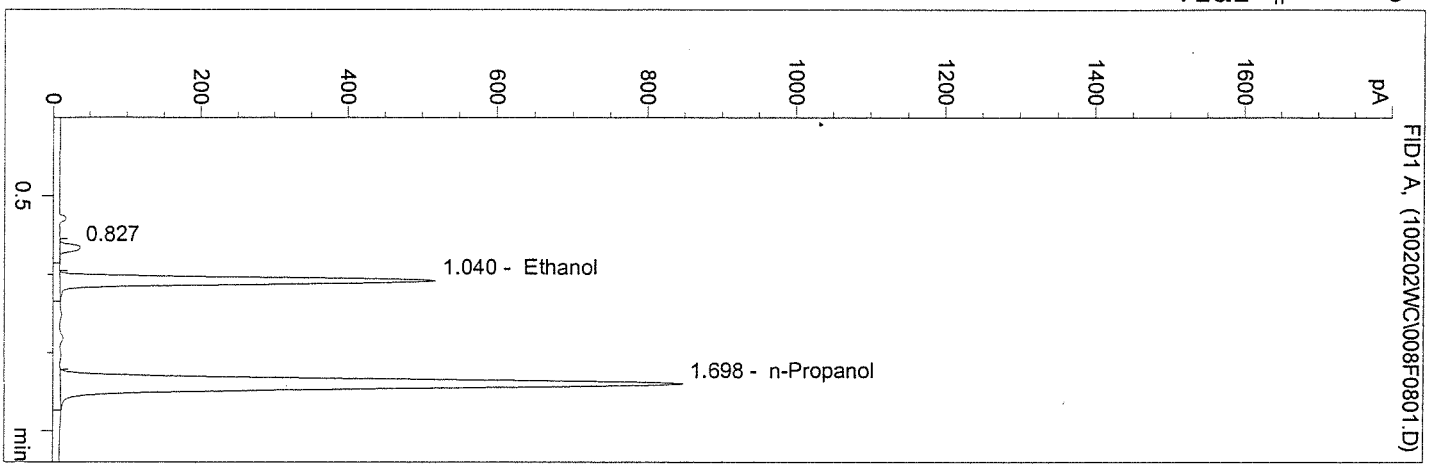
Instrument 1
-ALC1

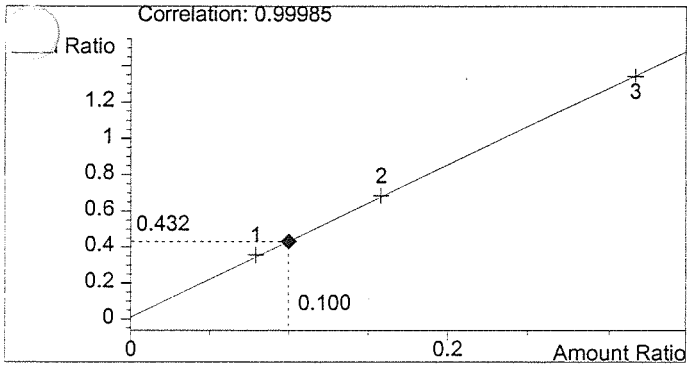
CONTROL 0.10 WM
WP MARSHALL

vial # 8

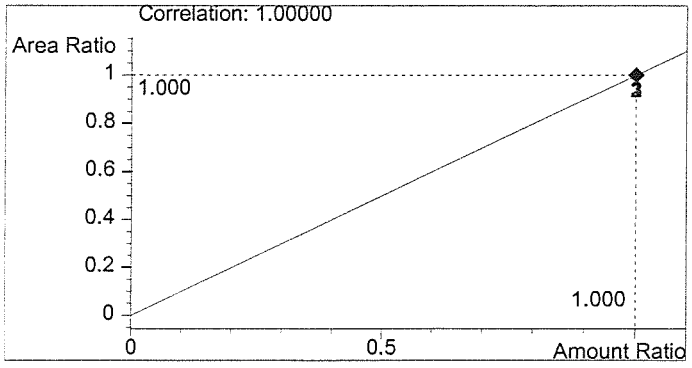


#	Compound	Area	RT
1		83	0.827
2	Ethanol	1509	1.040
3	n-Propanol	3493	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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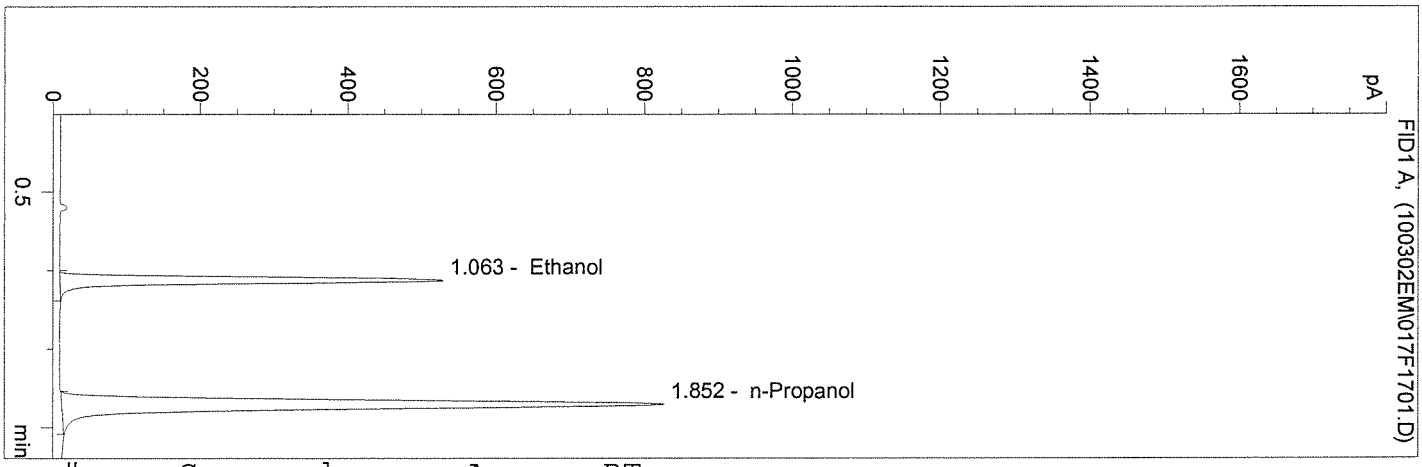
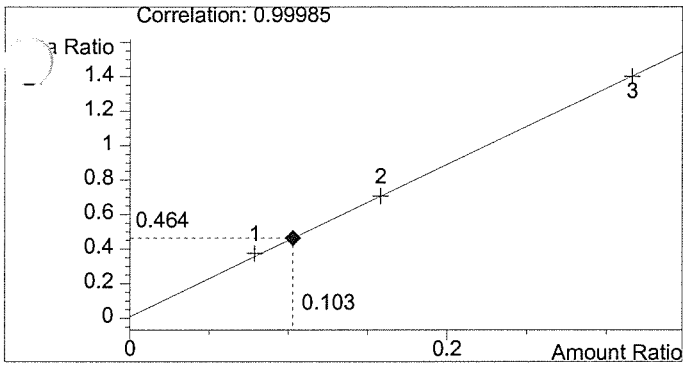
Sim. Sol. 02035
~~WP-MARSHALL~~ EW

vial # 17

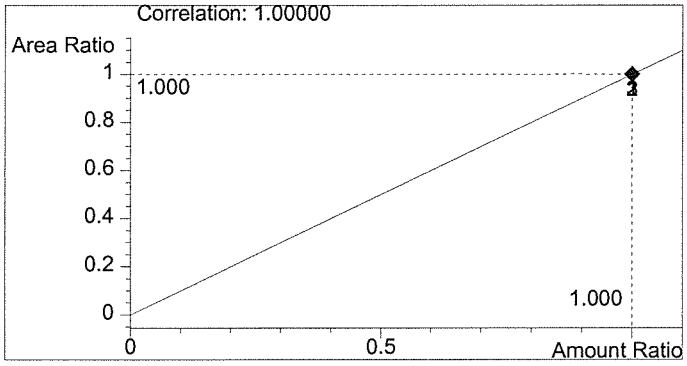


#	Compound	Area	RT
1	Ethanol	1465	1.063
2	n-Propanol	3160	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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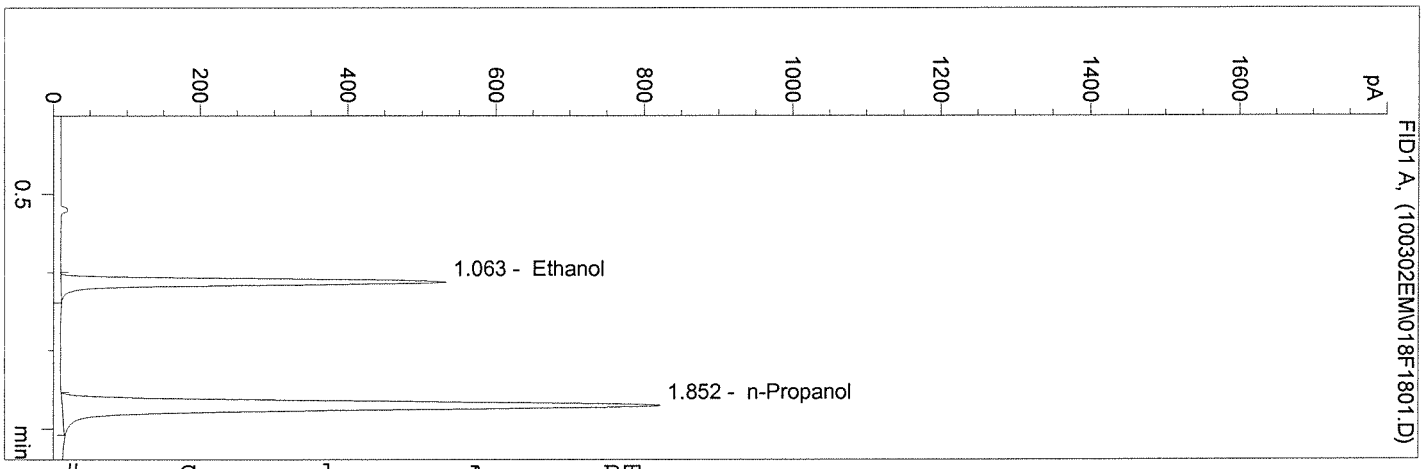
Instrument 2
-ALC1

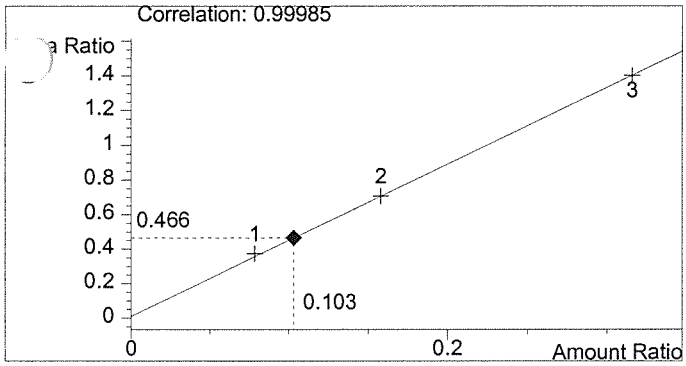
Sim. Sol. 02035
~~WP MARSHALL~~ EA

vial # 18

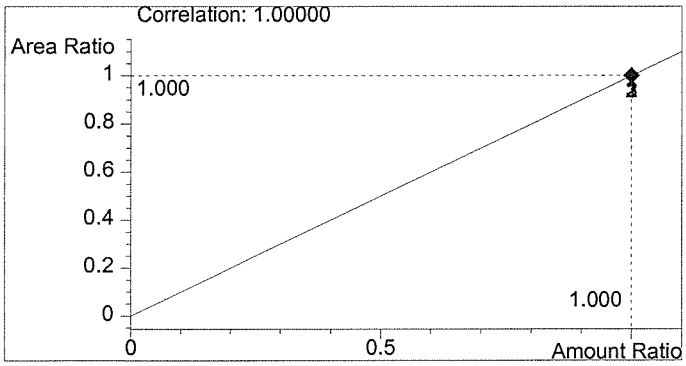


#	Compound	Area	RT
1	Ethanol	1472	1.063
2	n-Propanol	3159	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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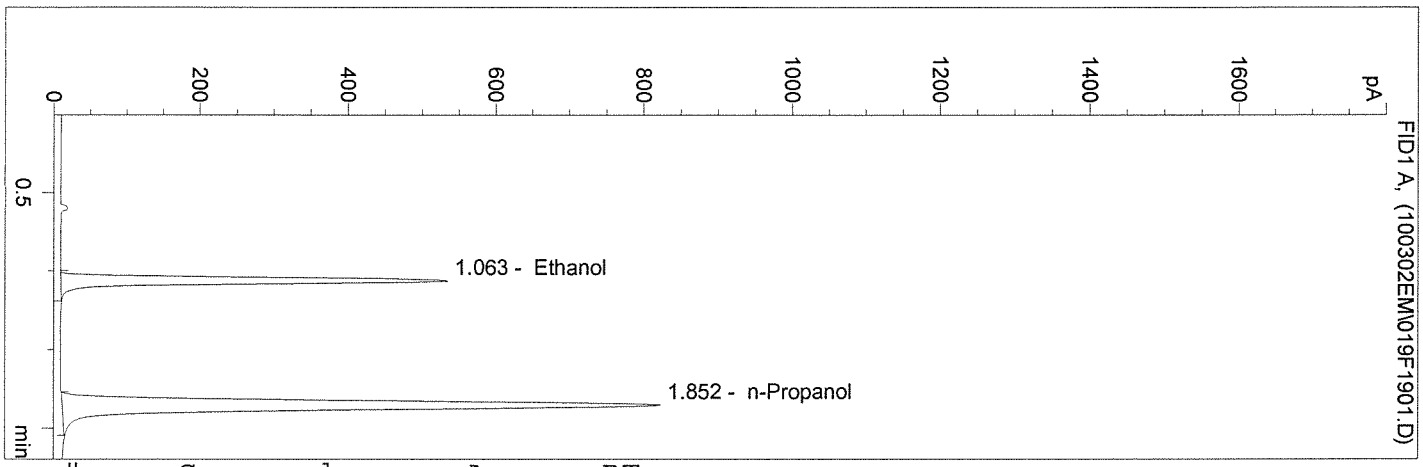
Instrument 2
ALC1

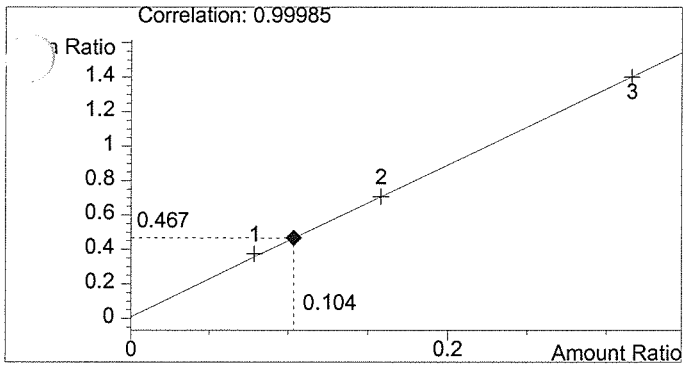
Sim. Sol. 02035
~~WP MARSHALL~~ EM

vial # 19

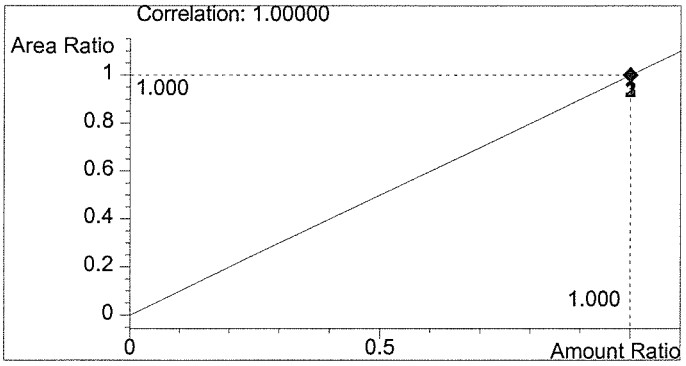


#	Compound	Area	RT
1	Ethanol	1478	1.063
2	n-Propanol	3165	1.852

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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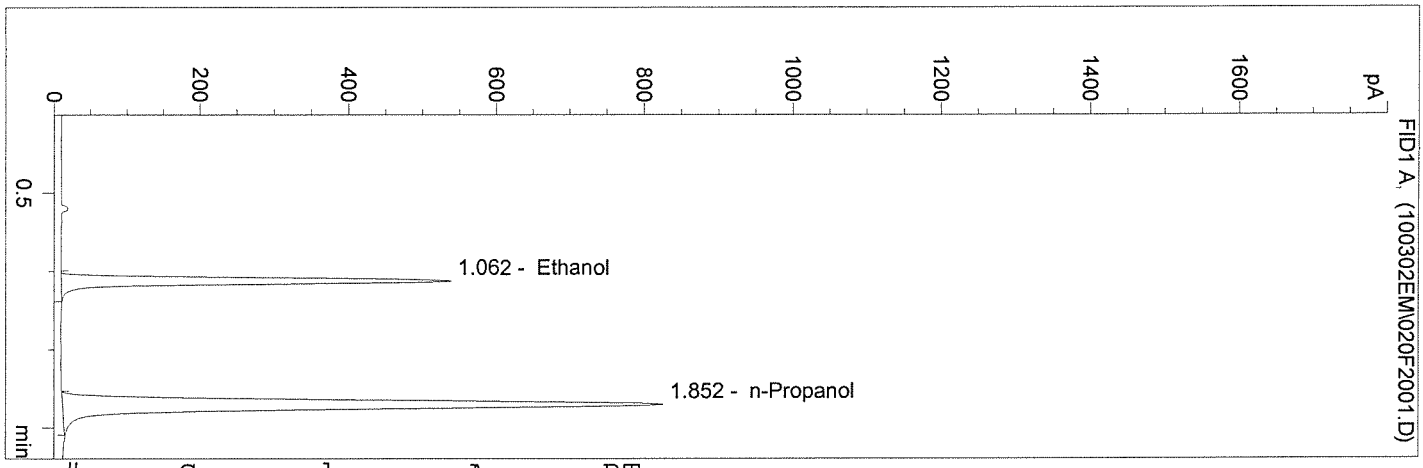
Instrument 2
-ALC1

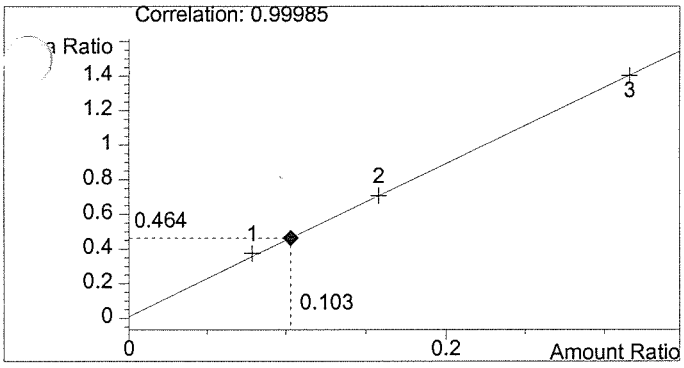
Sim. Sol. 02035
~~WP MARSHALL~~ EM

vial # 20

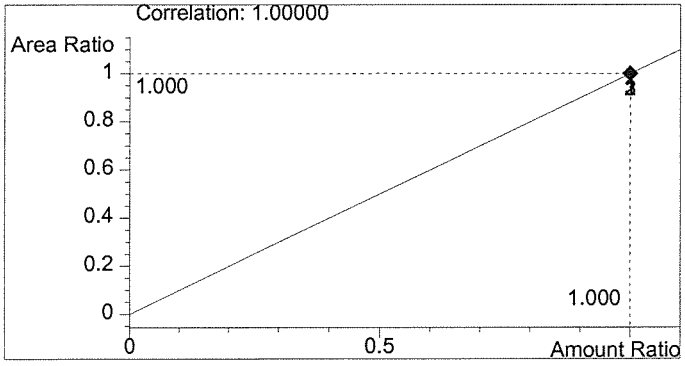


#	Compound	Area	RT
1	Ethanol	1473	1.062
2	n-Propanol	3173	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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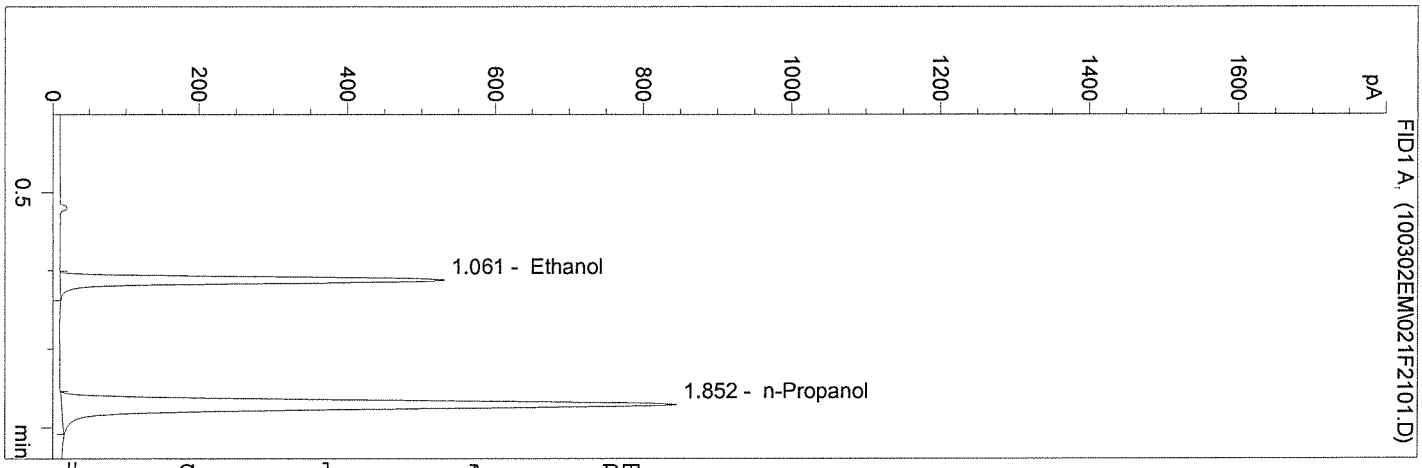
Instrument 2
-ALC1

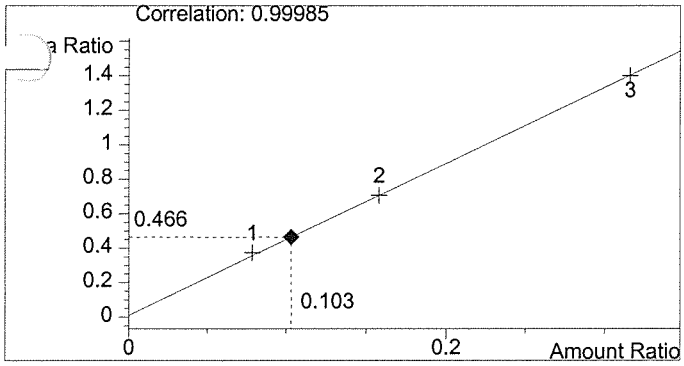
Sim. Sol. 02035
~~WP MARSHALL~~
EN

vial # 21

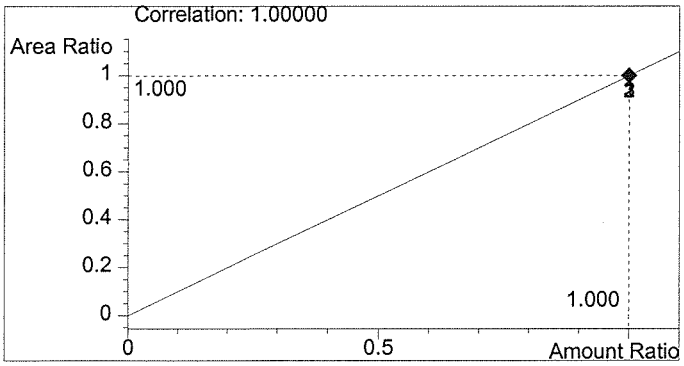


#	Compound	Area	RT
1	Ethanol	1511	1.061
2	n-Propanol	3243	1.852

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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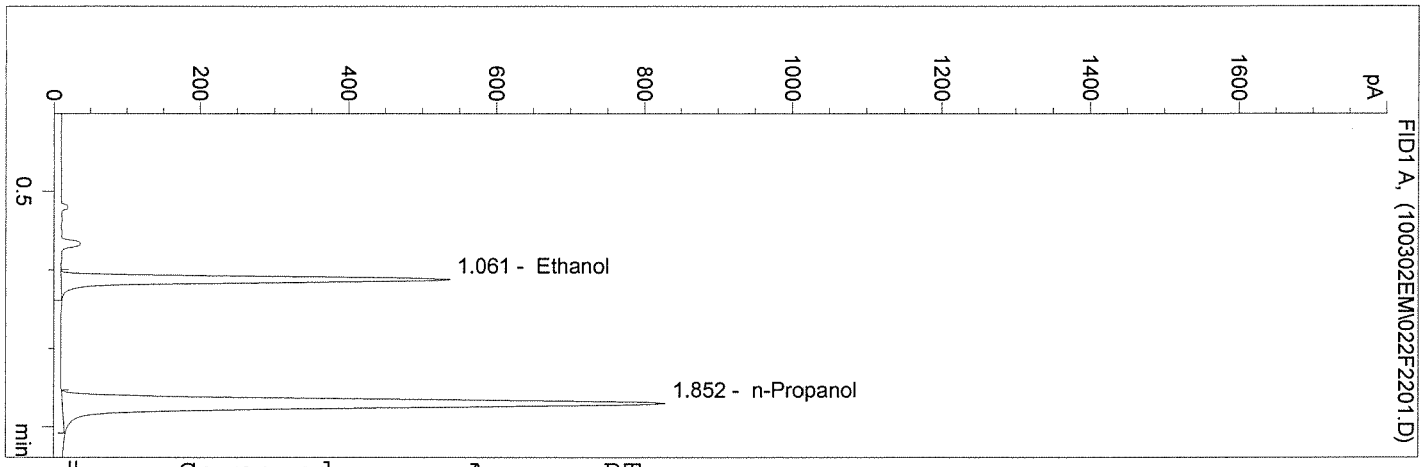
Instrument 2
-ALC1

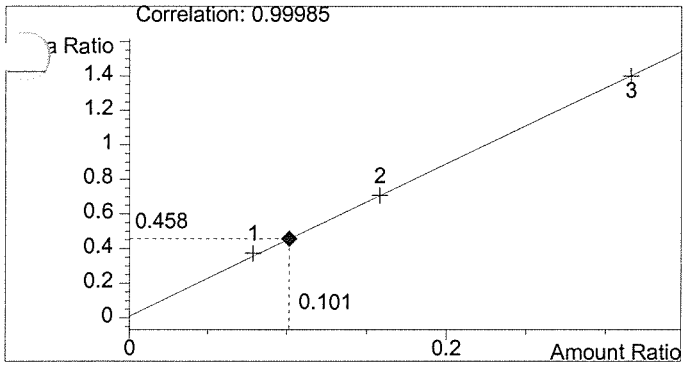
0.100 Control
~~WP MARSHALL~~
EM

vial # 22

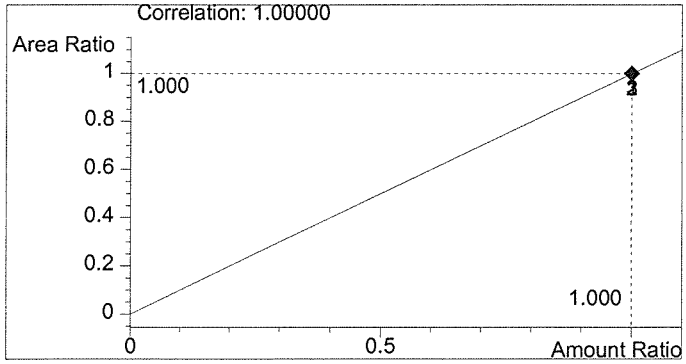


#	Compound	Area	RT
1	Ethanol	1456	1.061
2	n-Propanol	3183	1.852

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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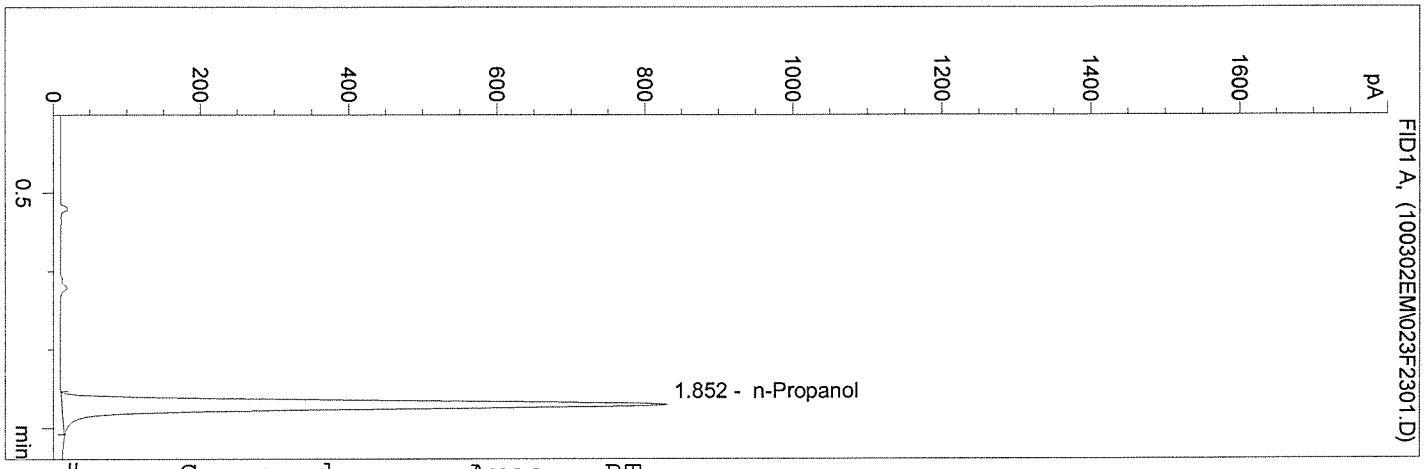
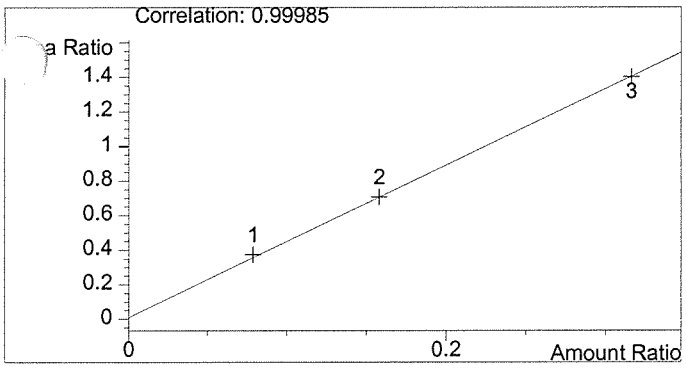
WP MARSHALL

vial # 23

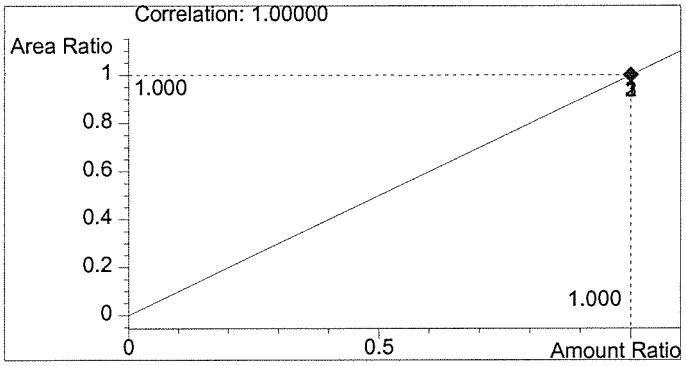


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3187	1.852

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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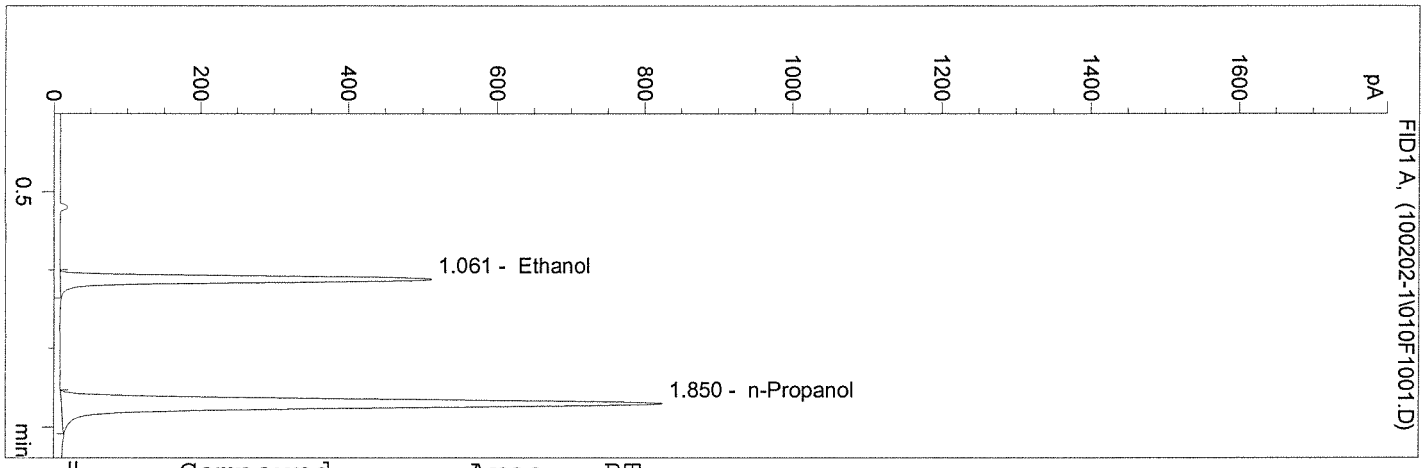
Instrument 2
-ALC1

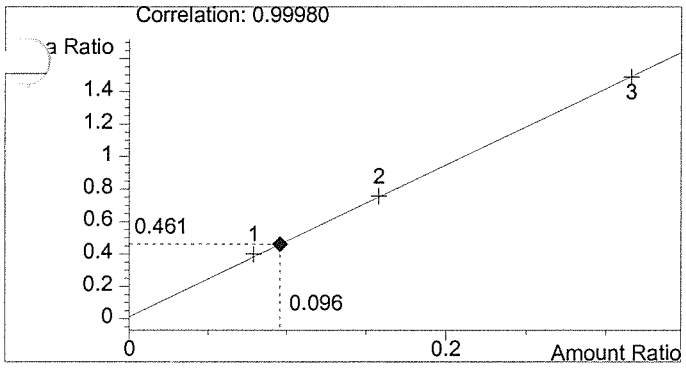
SIM 02035-1
ANN MARIE GORDON

vial # 10

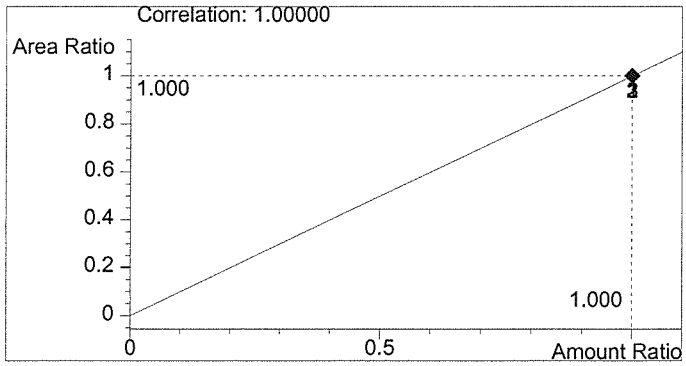


#	Compound	Area	RT
1	Ethanol	1470	1.061
2	n-Propanol	3186	1.850

Totals:



Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
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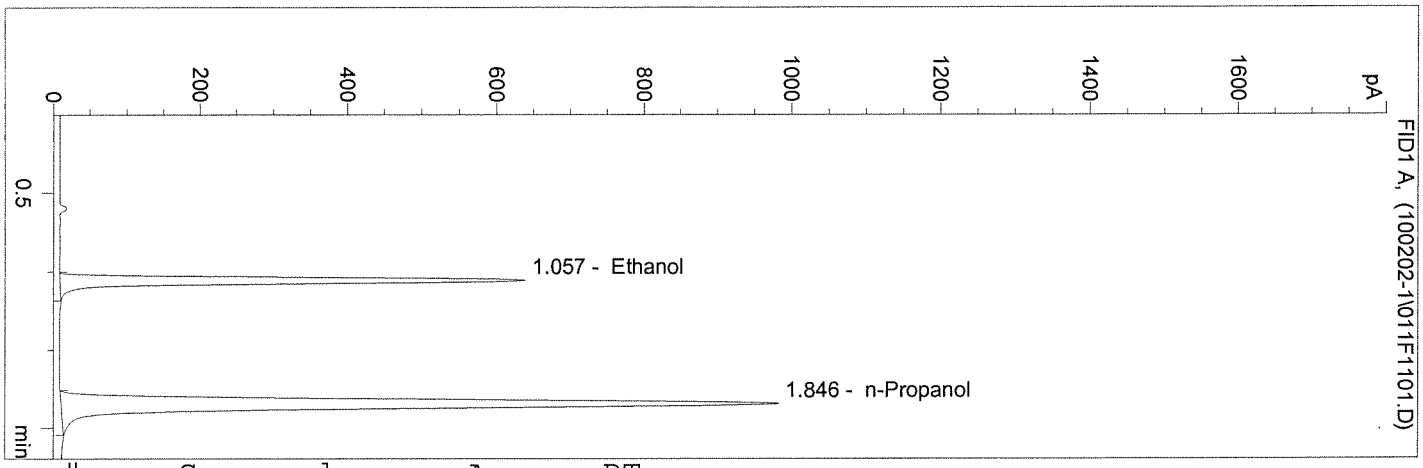
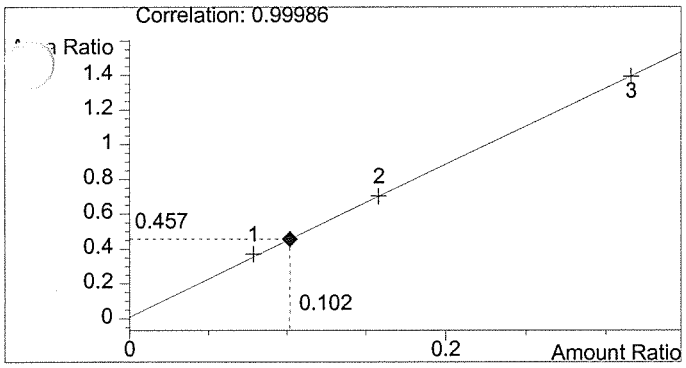
SIM 02035-2
ANN MARIE GORDON

vial # 11

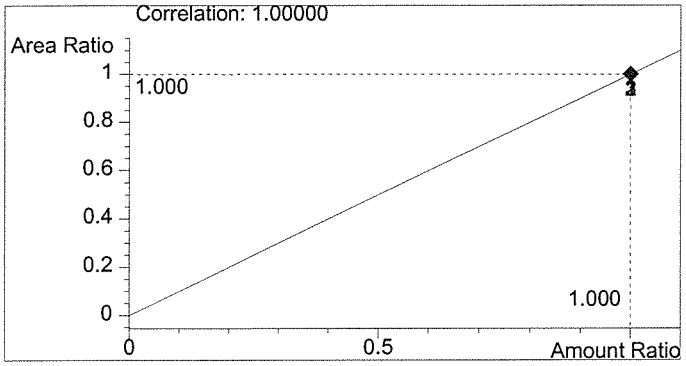


#	Compound	Area	RT
1	Ethanol	1734	1.057
2	n-Propanol	3793	1.846

Totals:



Ethanol 0.102 g/100ml



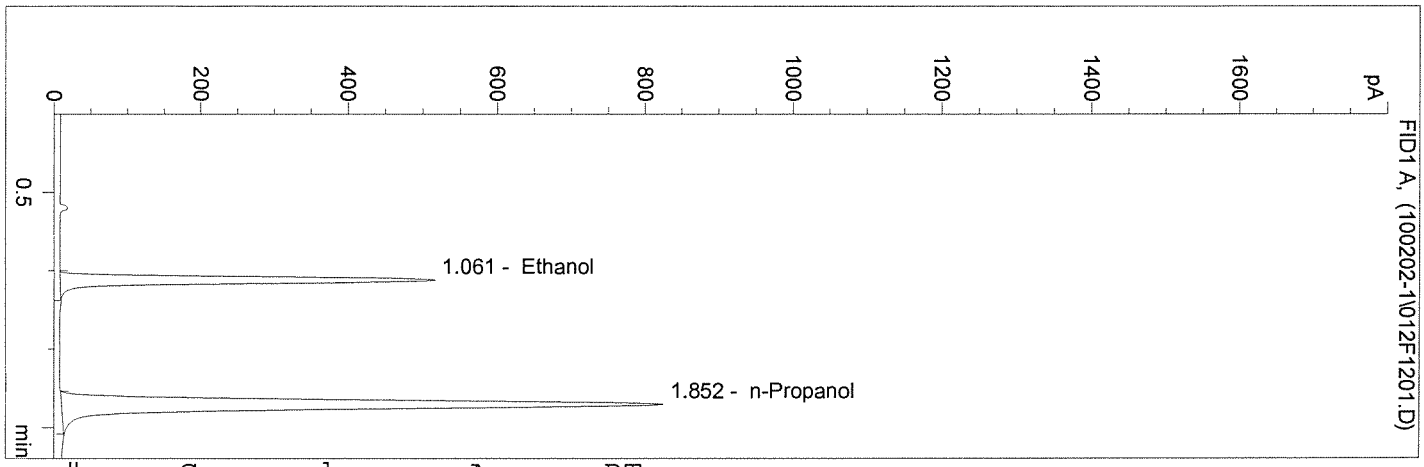
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
10/2/02 10:44:42 AM
Instrument 2
-ALC1

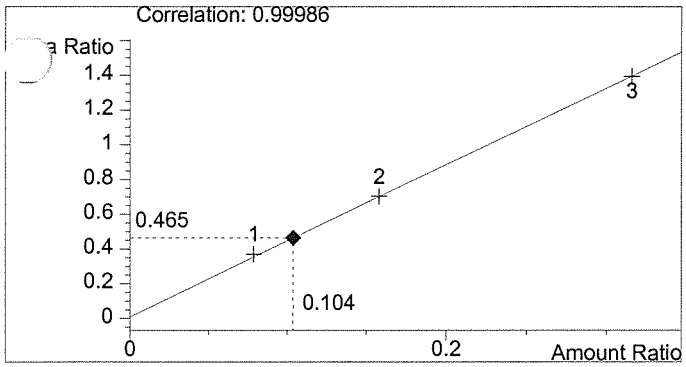
SIM 02035-3
ANN MARIE GORDON

vial # 12

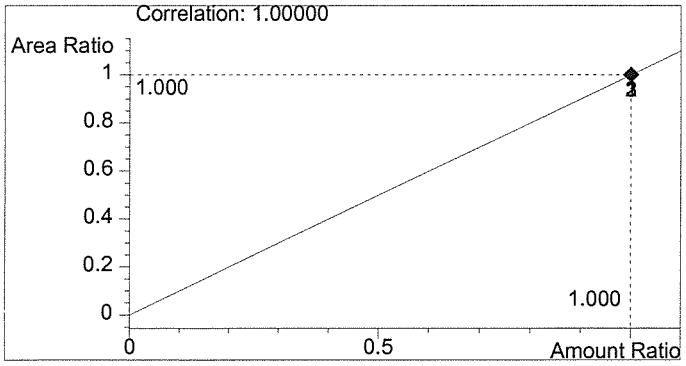


#	Compound	Area	RT
1	Ethanol	1484	1.061
2	n-Propanol	3190	1.852

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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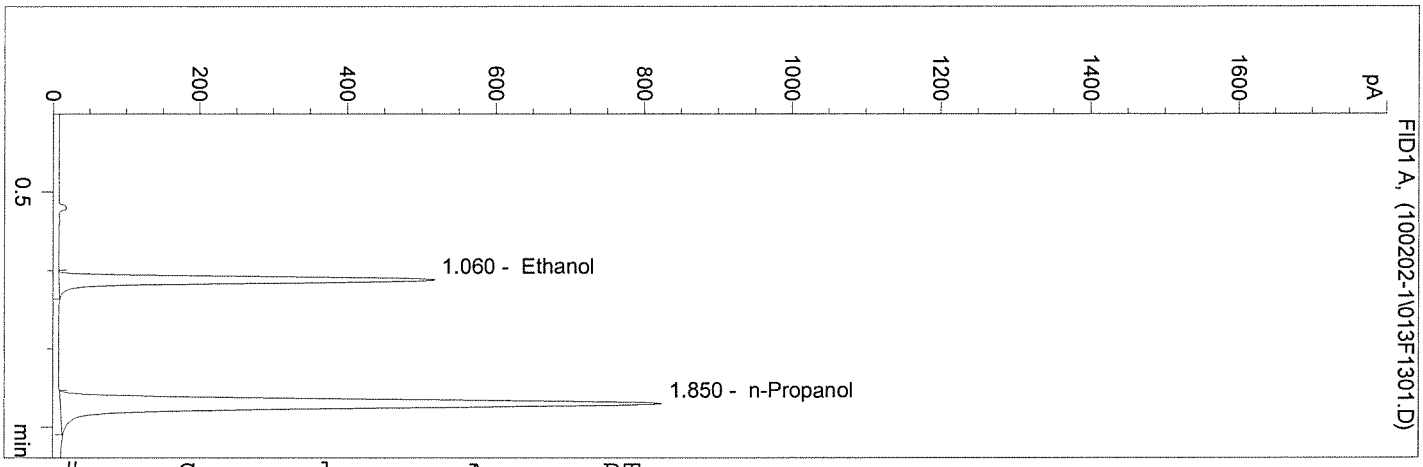
Instrument 2
-ALC1

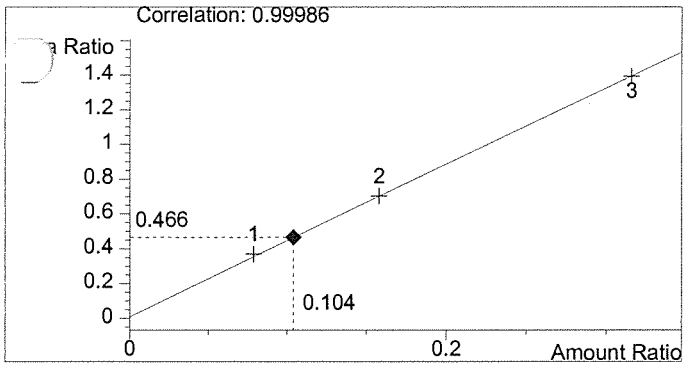
SIM 02035-4
ANN MARIE GORDON

vial # 13

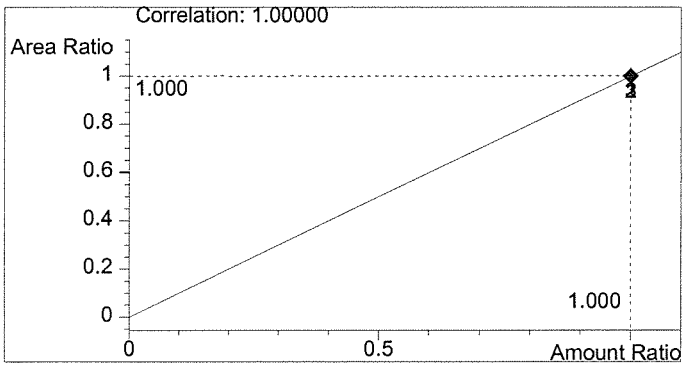


#	Compound	Area	RT
1	Ethanol	1493	1.060
2	n-Propanol	3204	1.850

Totals:



Ethanol 0.104 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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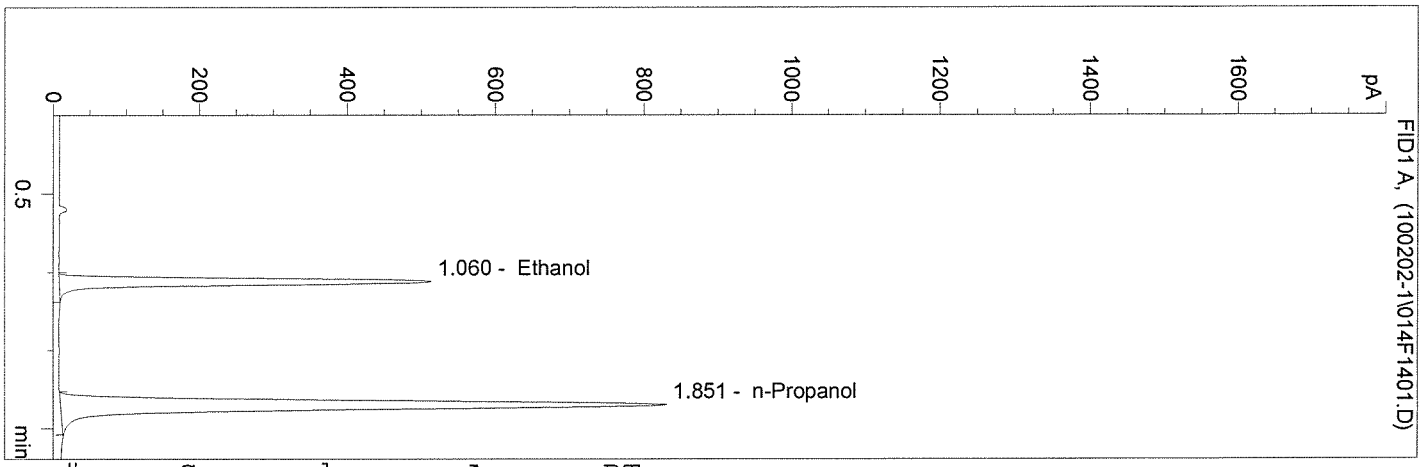
Instrument 2
-ALC1

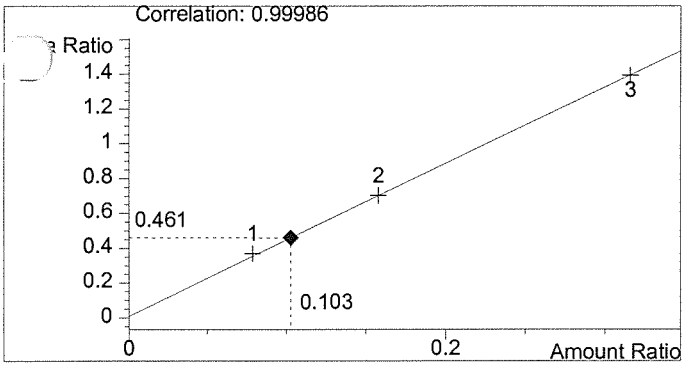
SIM 02035-5
ANN MARIE GORDON

vial # 14

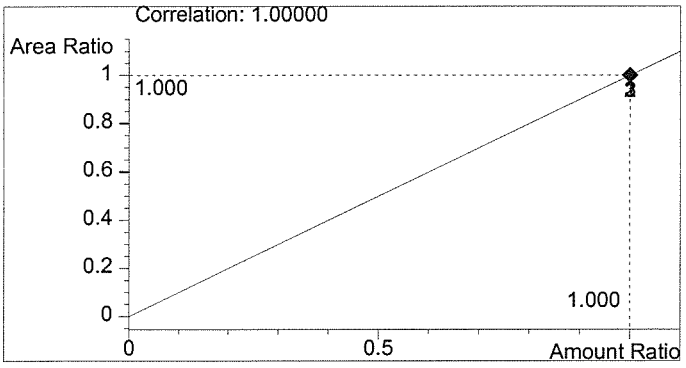


#	Compound	Area	RT
1	Ethanol	1482	1.060
2	n-Propanol	3215	1.851

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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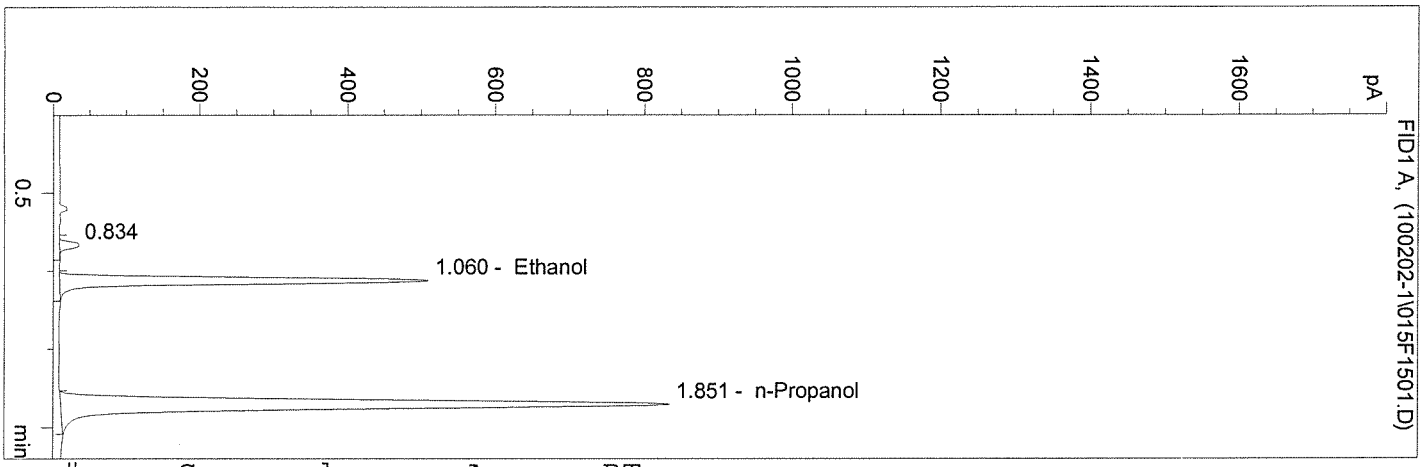
Instrument 2
-ALC1

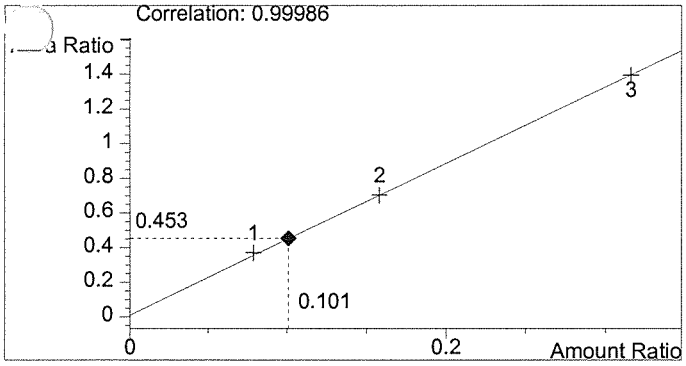
0.10 CTRL
ANN MARIE GORDON

vial # 15

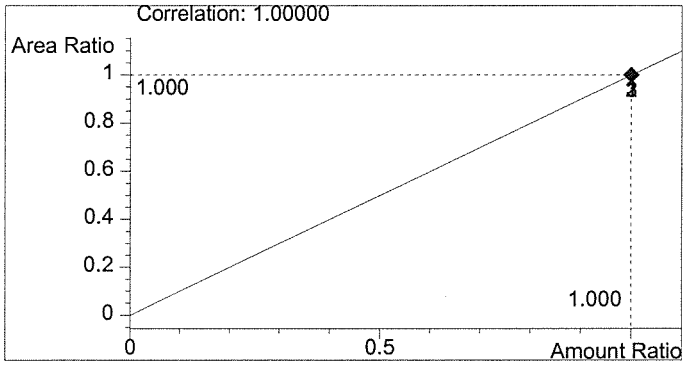


#	Compound	Area	RT
1		78	0.834
2	Ethanol	1464	1.060
3	n-Propanol	3230	1.851

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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10/2/02 10:57:06 AM
Instrument 2
-ALC1

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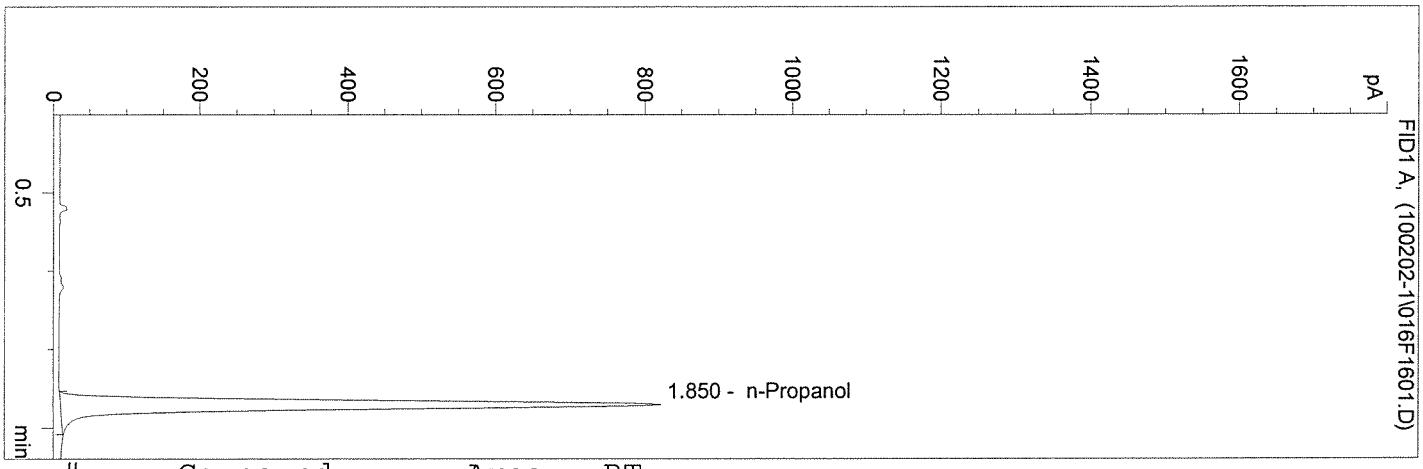
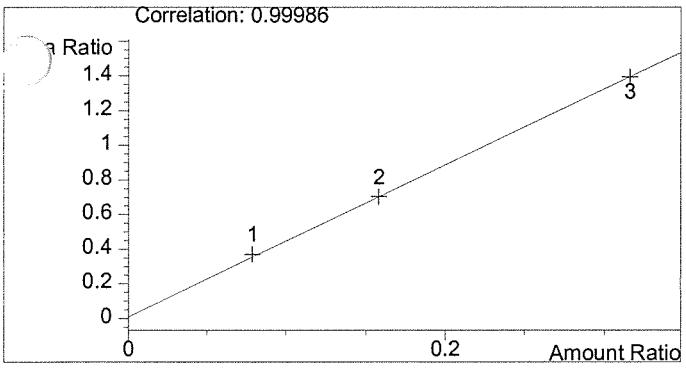
ANN MARIE GORDON

vial # 16

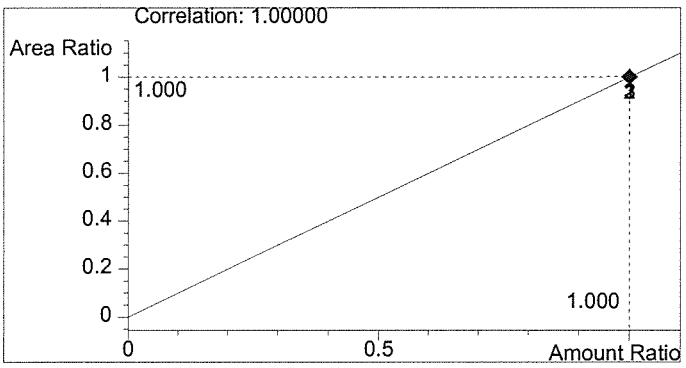


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3177	1.850

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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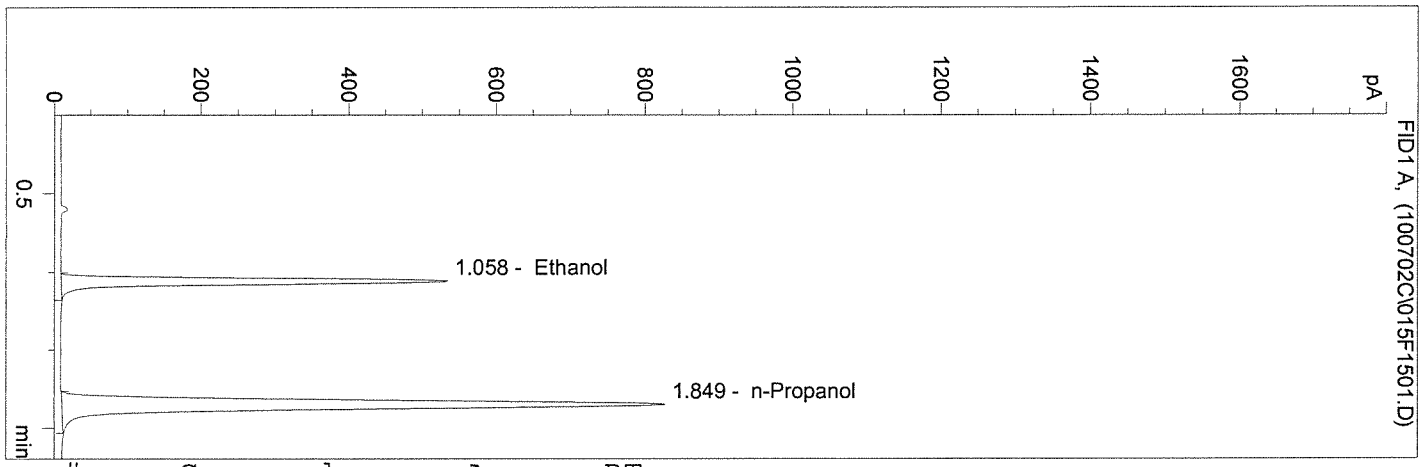
10/7/02 10:31:40 AM
Instrument 2
-ALC1

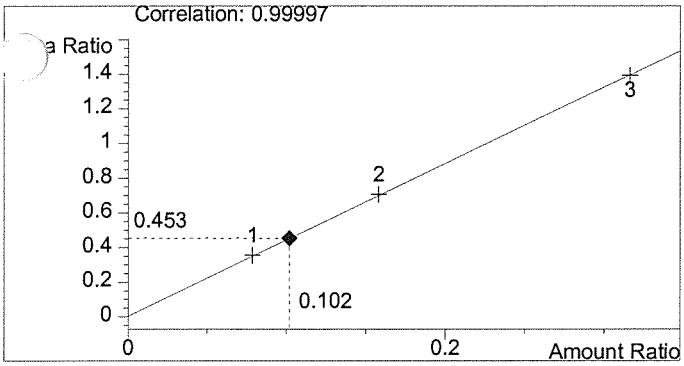
02035
ED FORMOSO

vial # 15

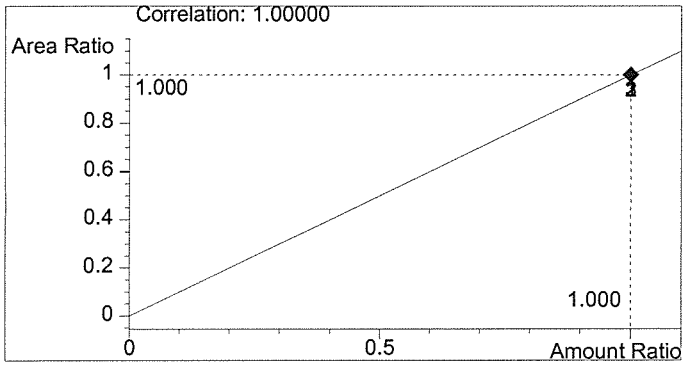


#	Compound	Area	RT
1	Ethanol	1441	1.058
2	n-Propanol	3177	1.849

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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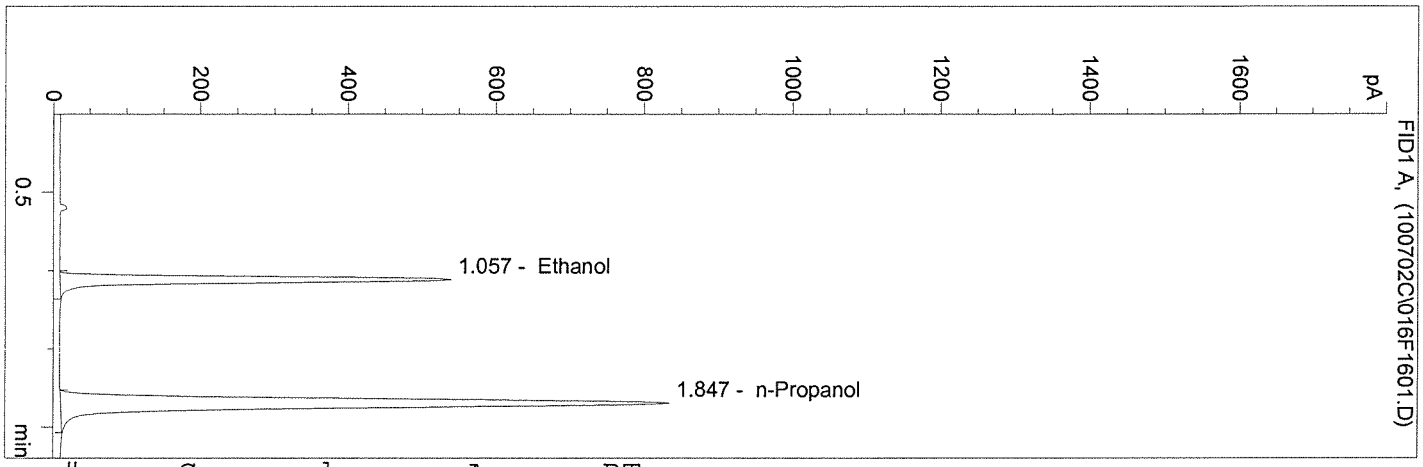
10/7/02 10:34:42 AM
Instrument 2
-ALC1

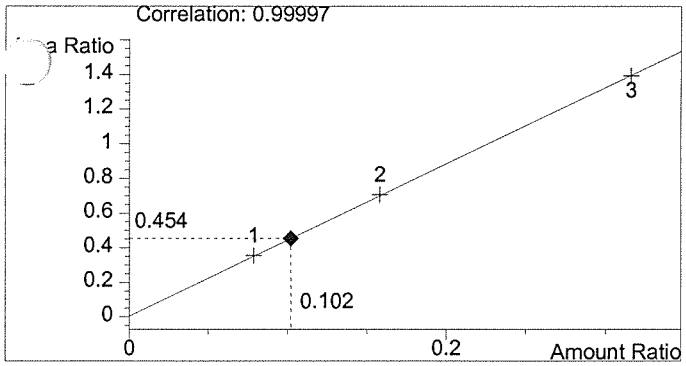
02035
ED FORMOSO

vial # 16

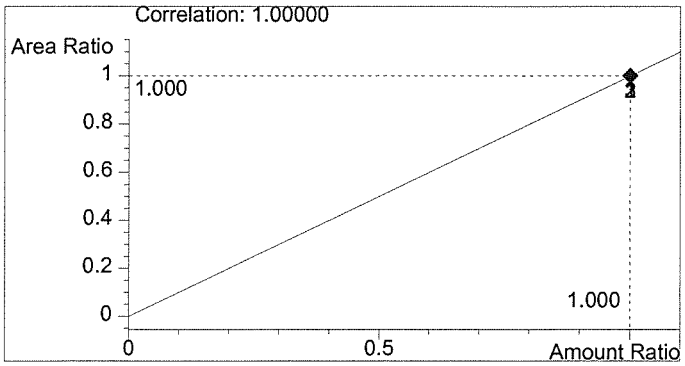


#	Compound	Area	RT
1	Ethanol	1454	1.057
2	n-Propanol	3203	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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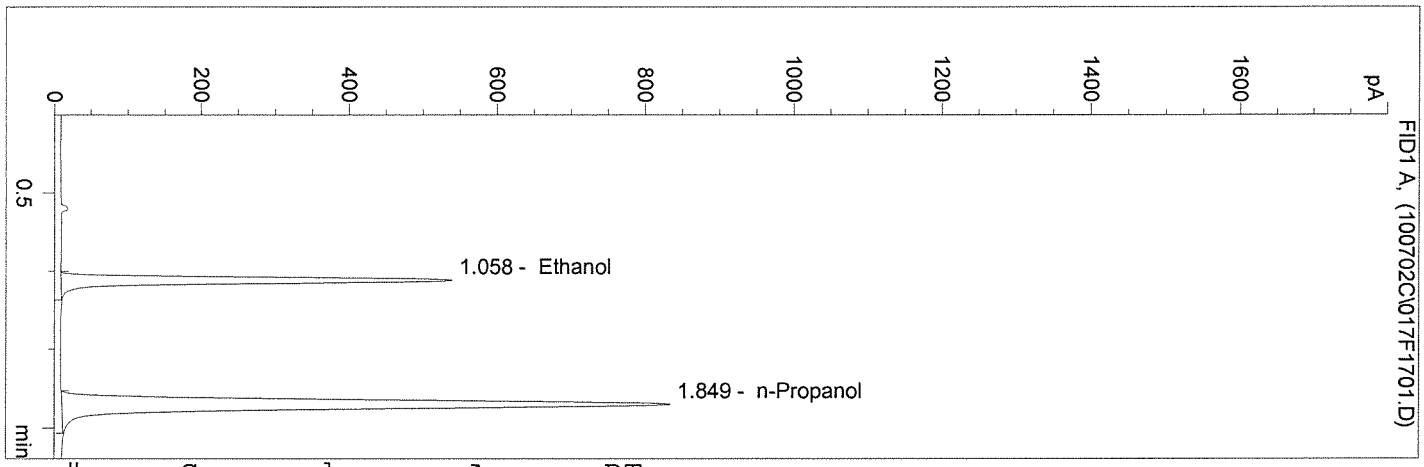
Instrument 2
-ALC1

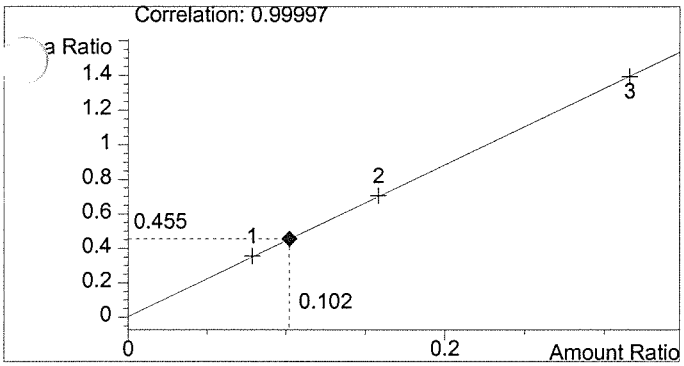
02035
ED FORMOSO

vial # 17

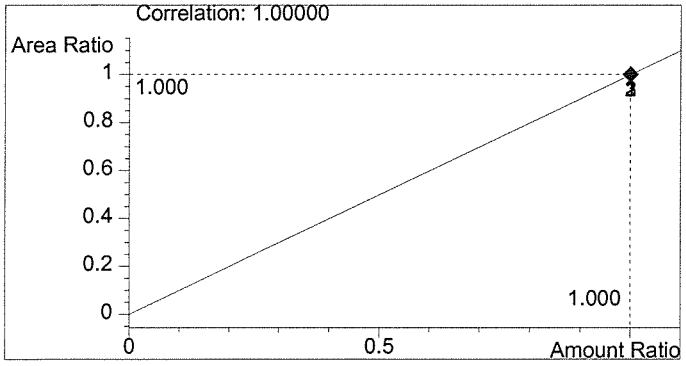


#	Compound	Area	RT
1	Ethanol	1458	1.058
2	n-Propanol	3206	1.849

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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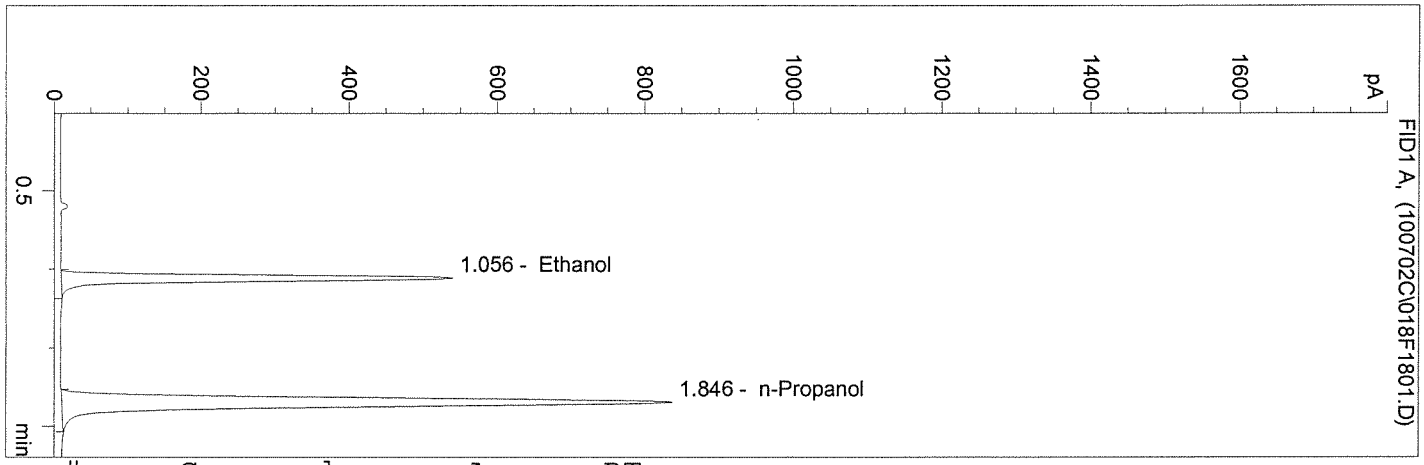
Instrument 2
-ALC1

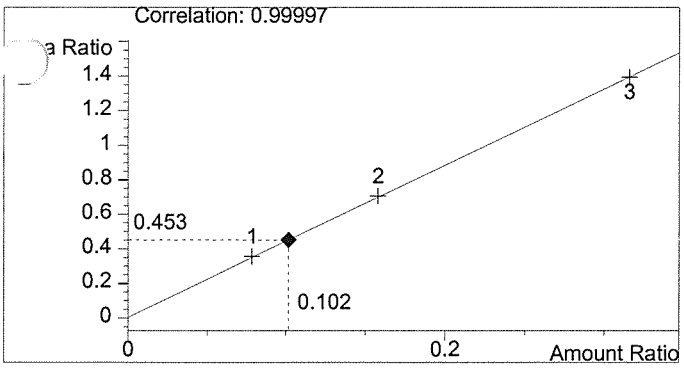
02035
ED FORMOSO

vial # 18

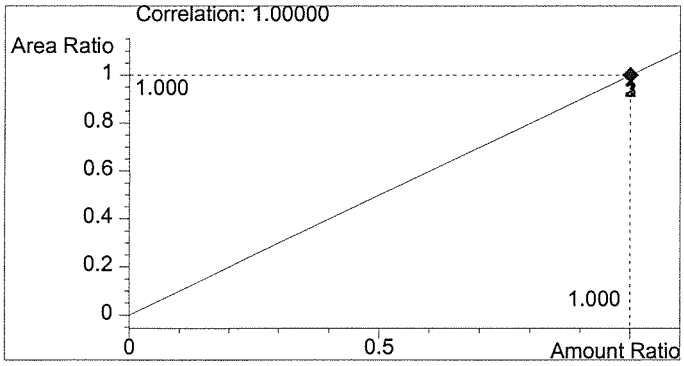


#	Compound	Area	RT
1	Ethanol	1462	1.056
2	n-Propanol	3230	1.846

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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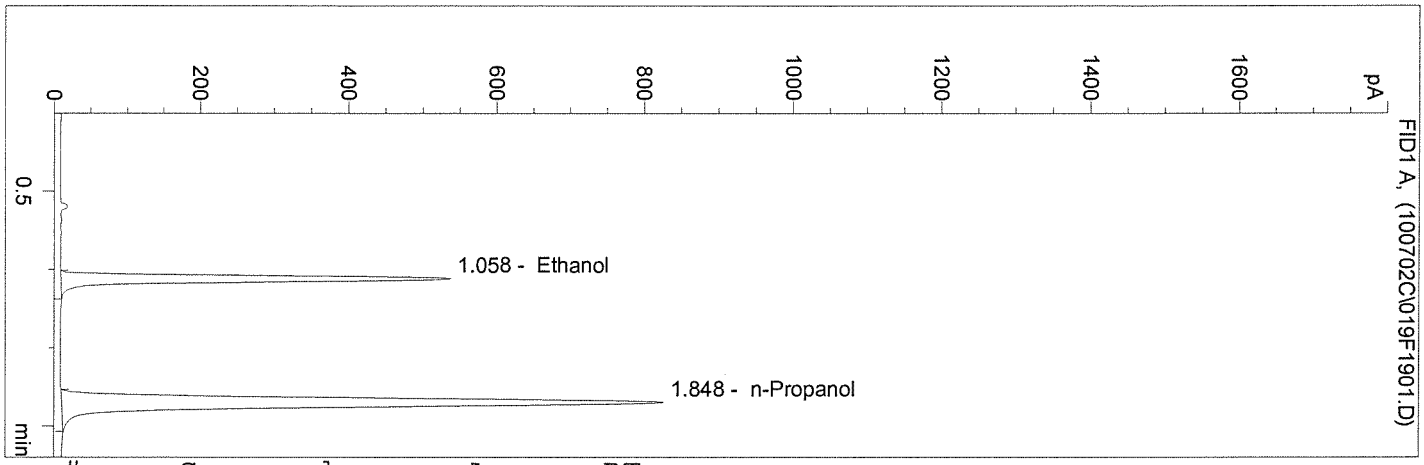
Instrument 2
-ALC1

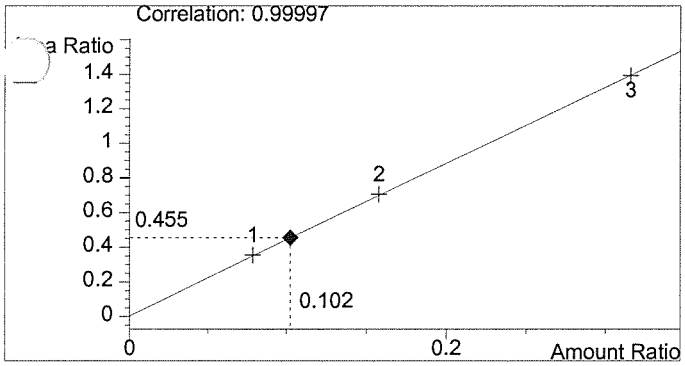
02035
ED FORMOSO

vial # 19

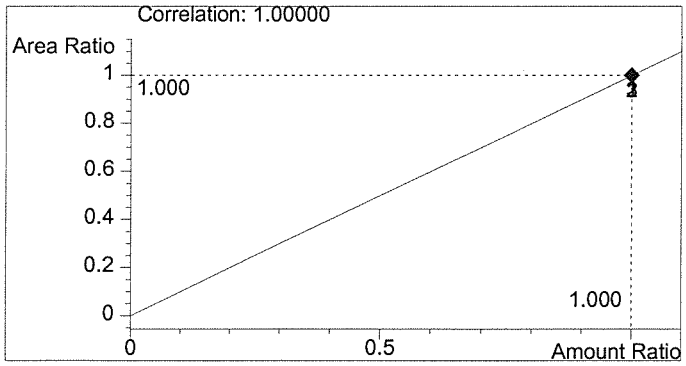


#	Compound	Area	RT
1	Ethanol	1446	1.058
2	n-Propanol	3175	1.848

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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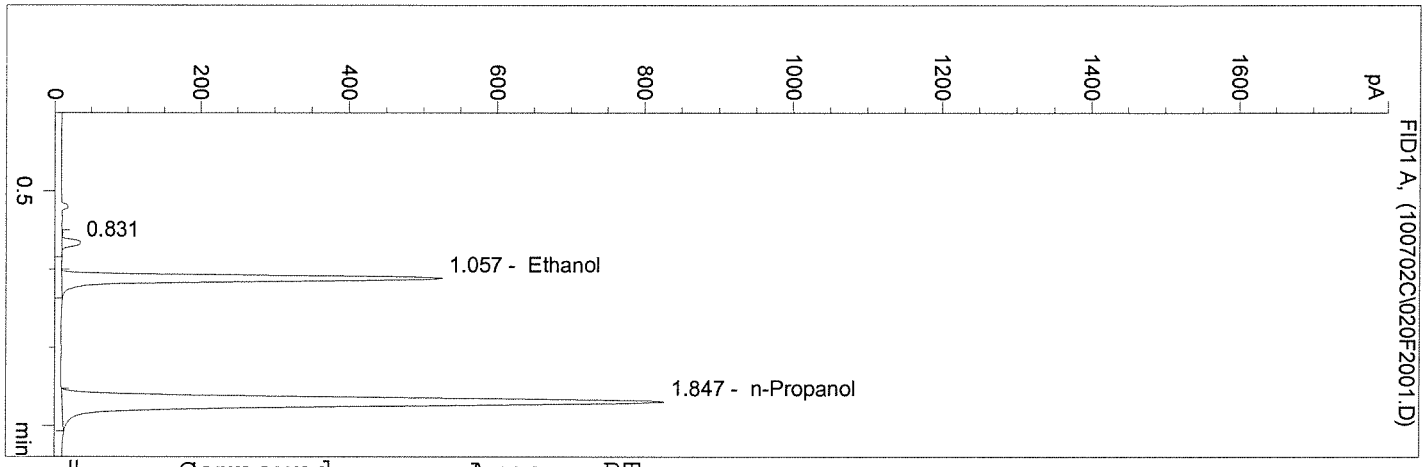
Instrument 2
-ALC1

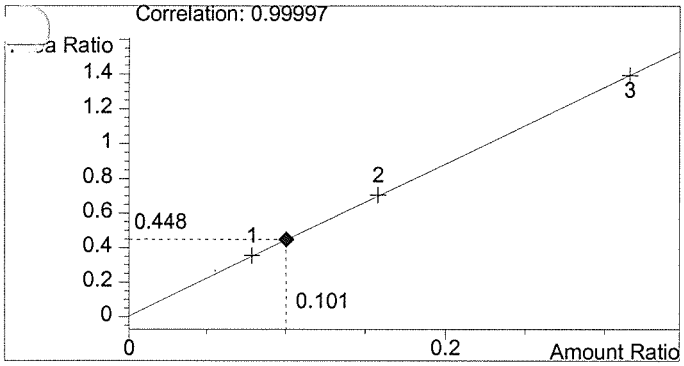
0.10 CONTROL
ED FORMOSO

vial # 20

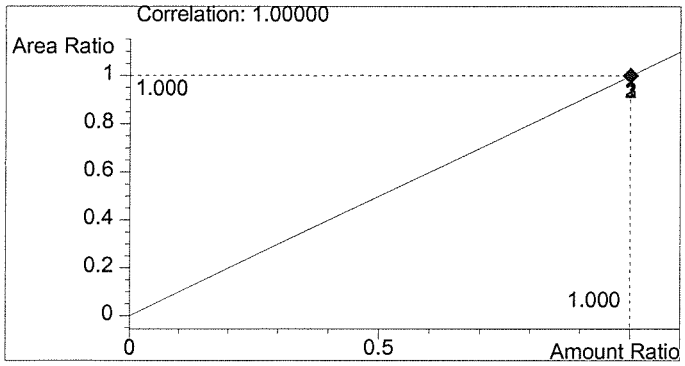


#	Compound	Area	RT
1		75	0.831
2	Ethanol	1420	1.057
3	n-Propanol	3169	1.847

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
-ALC1

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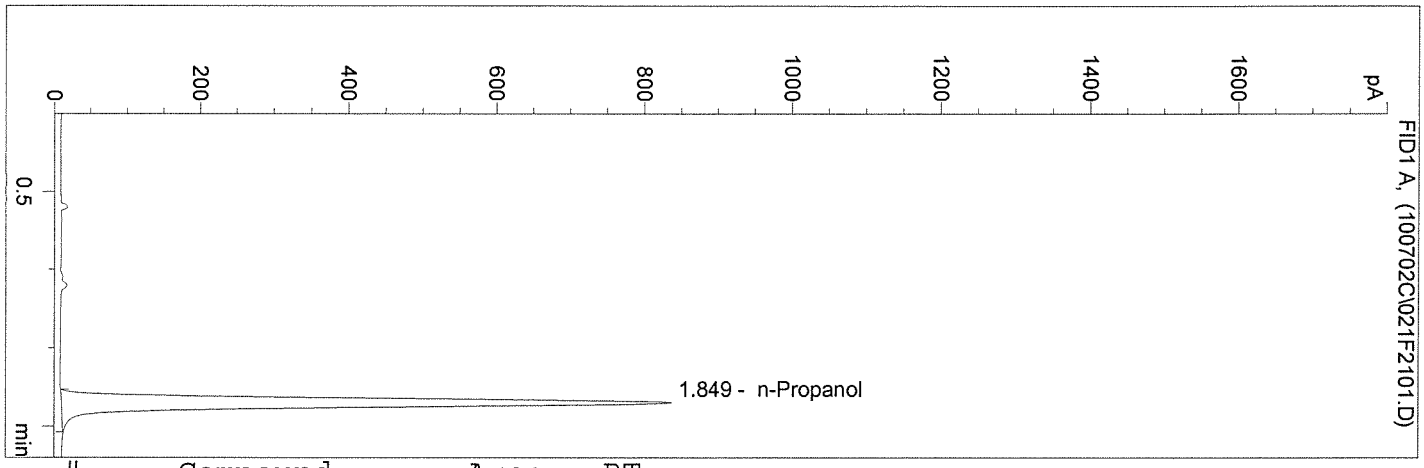
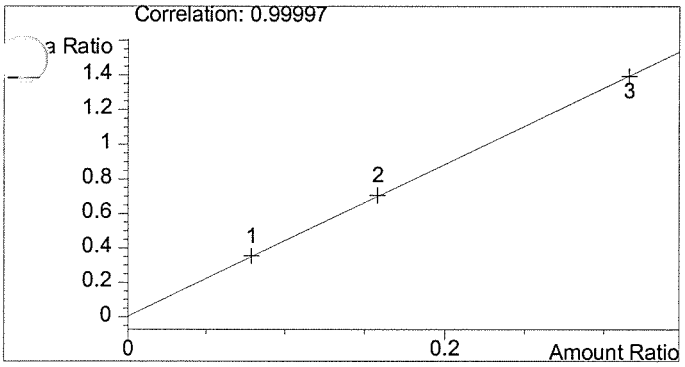
ED FORMOSO

vial # 21

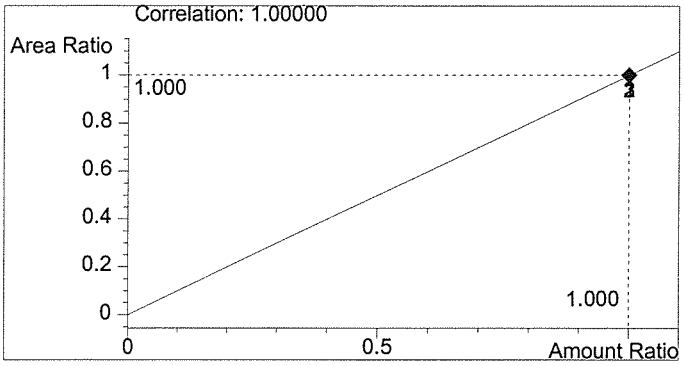


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3218	1.849

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
DB-ALC1

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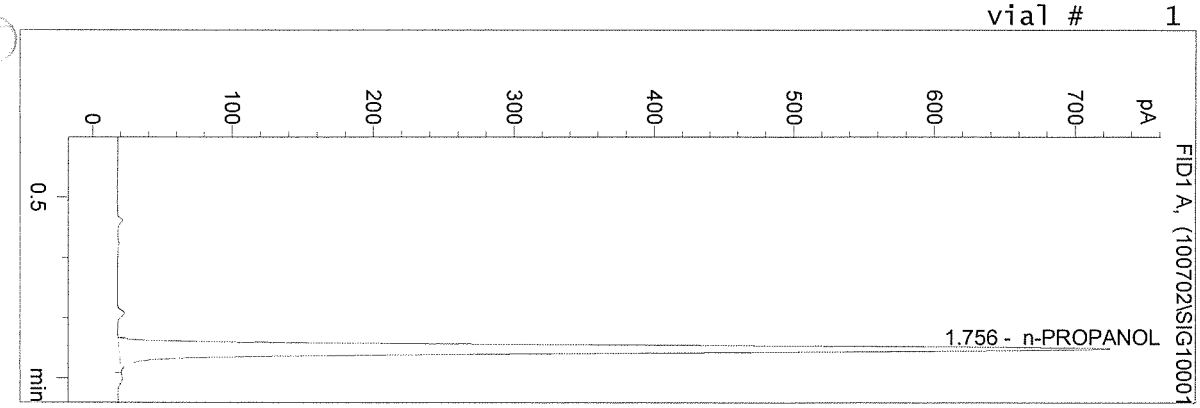
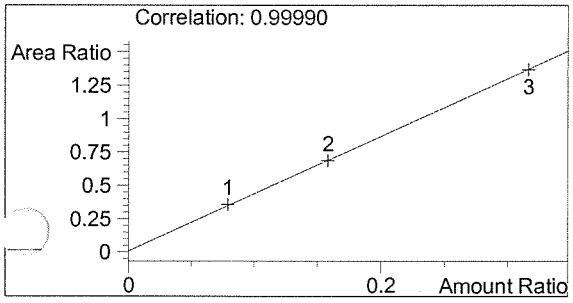
MARY WILSON

vial # 1

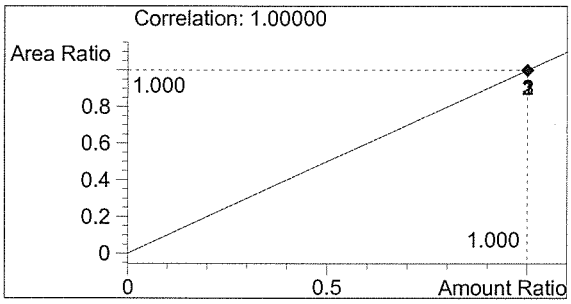


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3166	1.756

Totals:



ETHANOL 0.000 g/100mL



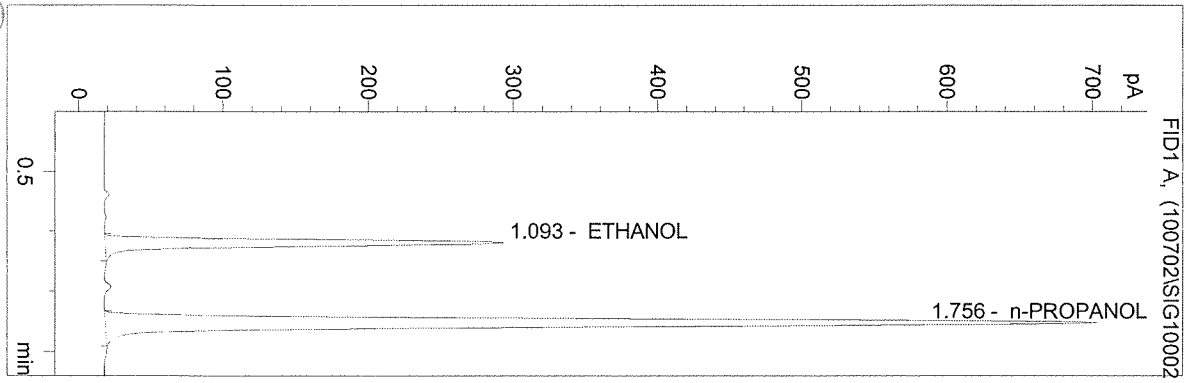
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
10/7/02 12:03:11 PM
Instrument 3
DB-ALC1

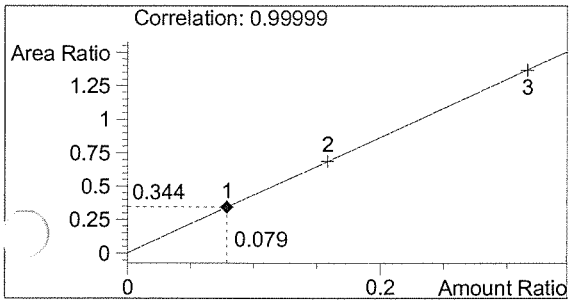
0.079 CAL
MARY WILSON

vial # 2

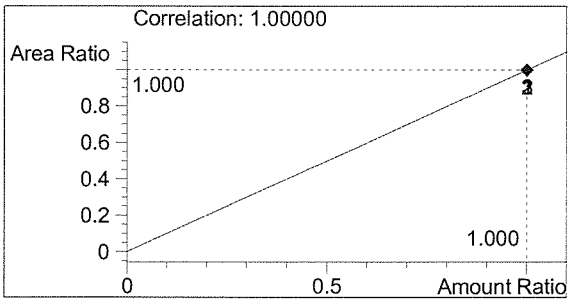


#	Compound	Area	RT
1	ETHANOL	1059	1.093
2	n-PROPANOL	3080	1.756

Totals:



ETHANOL 0.079 g/100mL



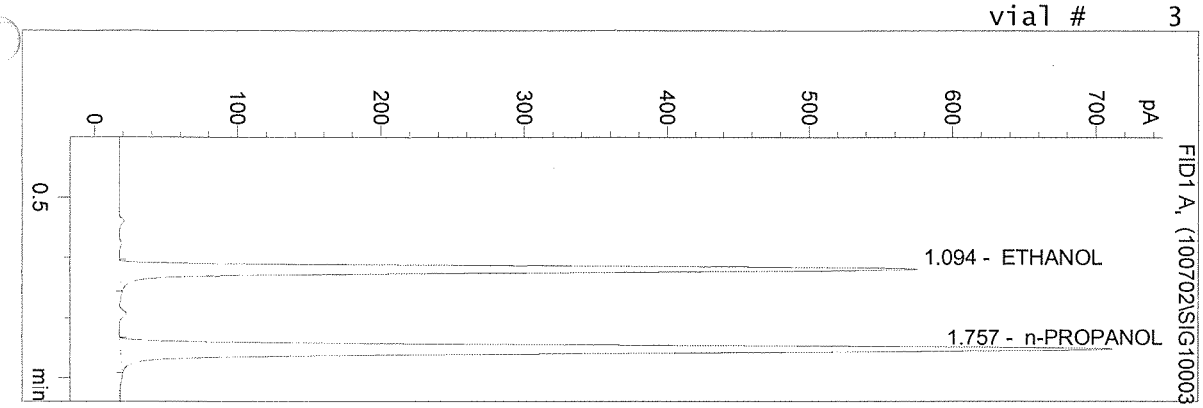
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
10/7/02 12:06:35 PM
Instrument 3
DB-ALC1

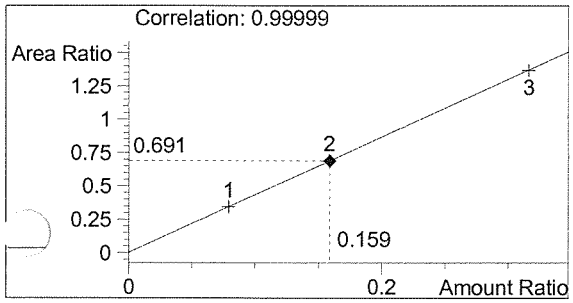
0.158 CAL
MARY WILSON

vial # 3

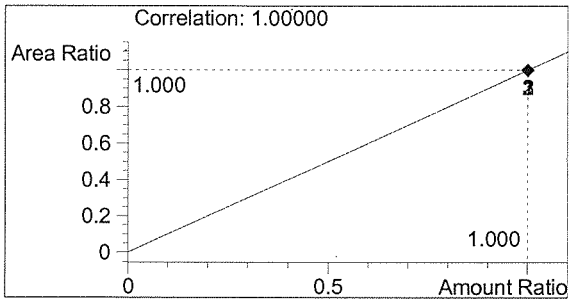


#	Compound	Area	RT
1	ETHANOL	2161	1.094
2	n-PROPANOL	3128	1.757

Totals:



ETHANOL 0.159 g/100mL

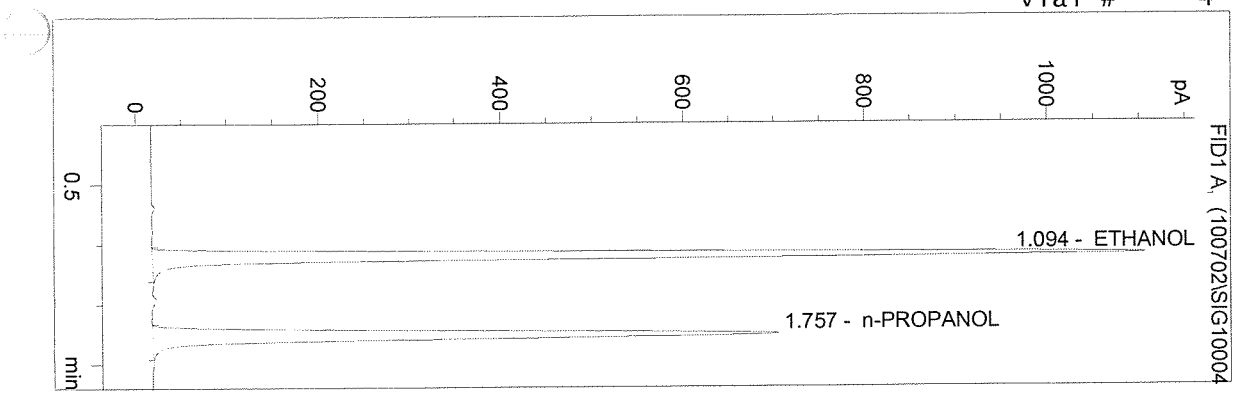


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M
10/7/02 12:09:44 PM
Instrument 3
DB-ALC1

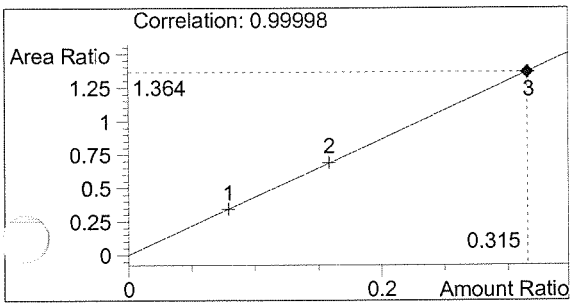
0.316 CAL
MARY WILSON

vial # 4

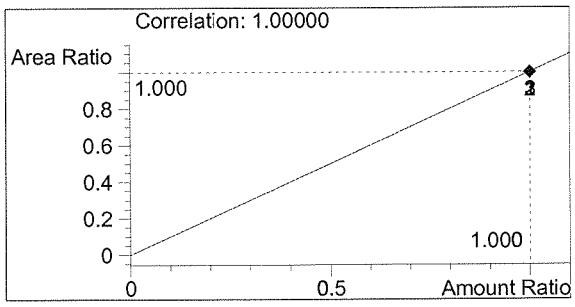


#	Compound	Area	RT
1	ETHANOL	4234	1.094
2	n-PROPANOL	3103	1.757

Totals:



ETHANOL 0.315 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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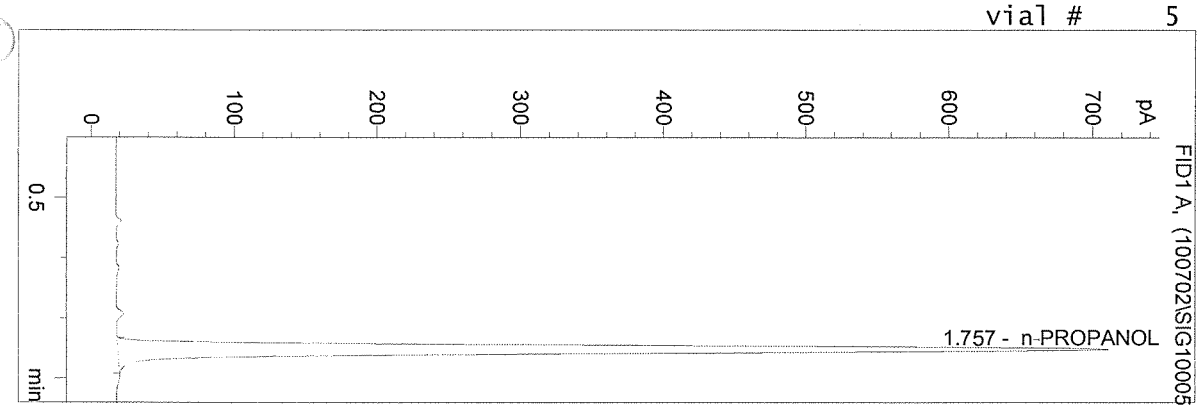
Instrument 3
DB-ALC1

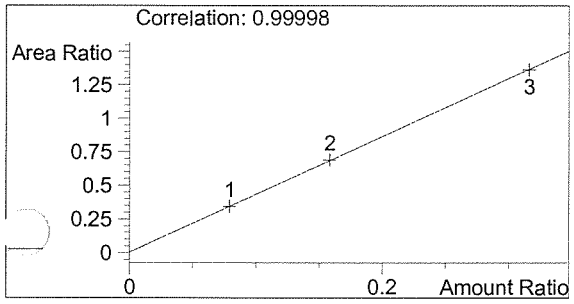
BLANK
MARY WILSON

vial # 5

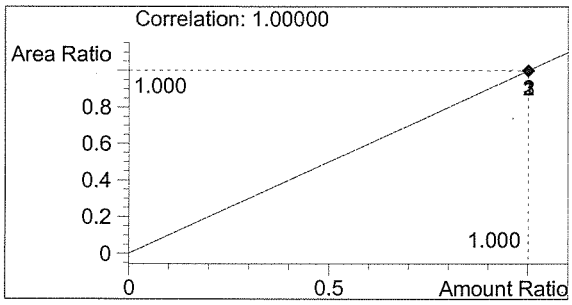


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3124	1.757

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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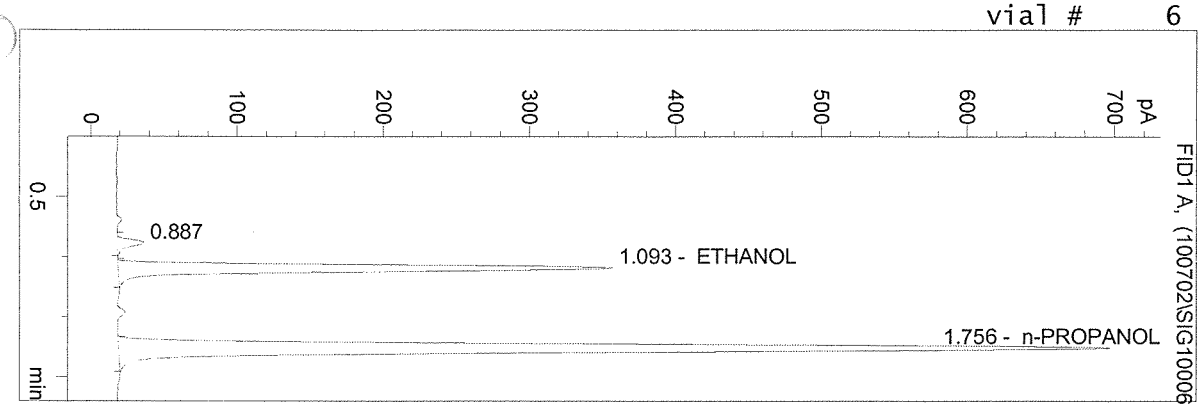
Instrument 3
DB-ALC1

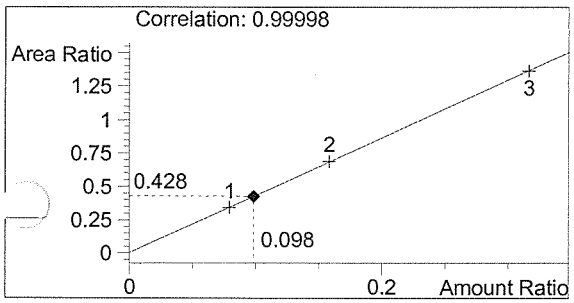
0.10 CONTROL
MARY WILSON

vial # 6

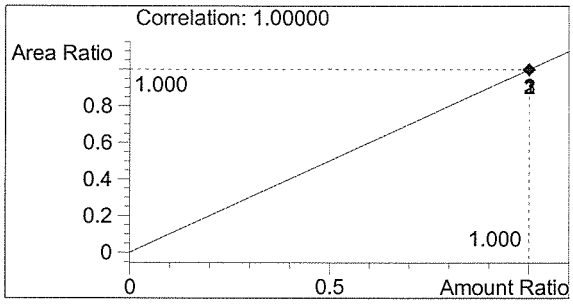


#	Compound	Area	RT
1		72	0.887
2	ETHANOL	1307	1.093
3	n-PROPANOL	3057	1.756

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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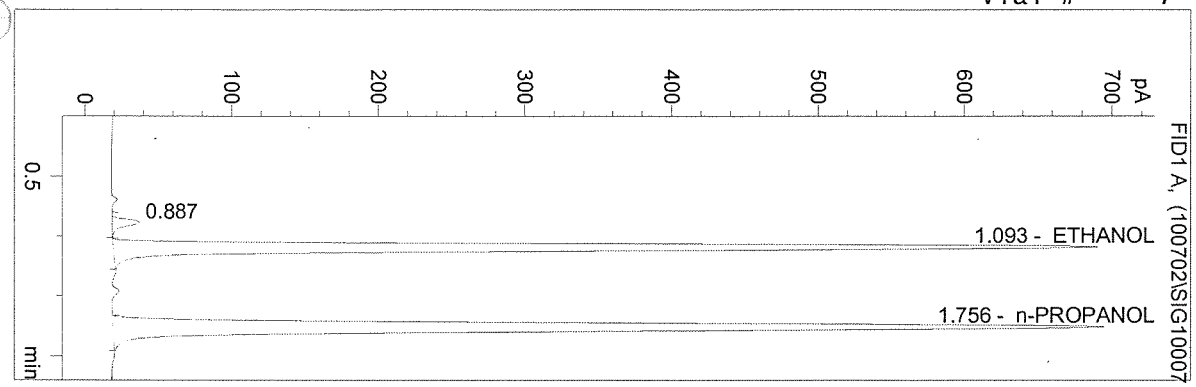
Instrument 3
DB-ALC1

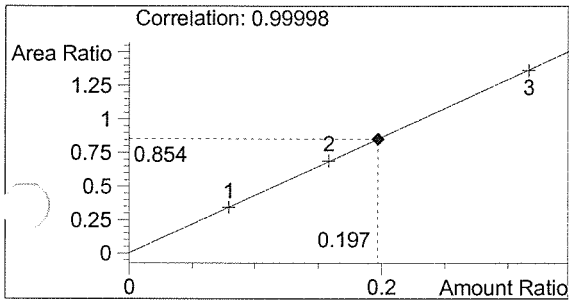
0.20 CONTROL
MARY WILSON

vial # 7

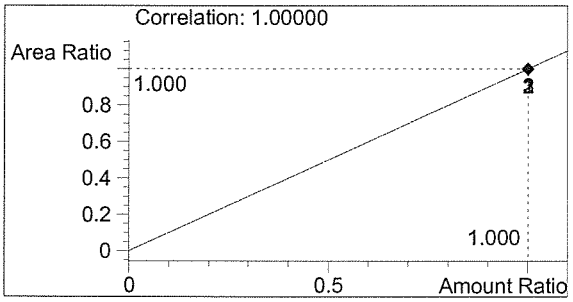


#	Compound	Area	RT
1		73	0.887
2	ETHANOL	2606	1.093
3	n-PROPANOL	3053	1.756

Totals:



ETHANOL 0.197 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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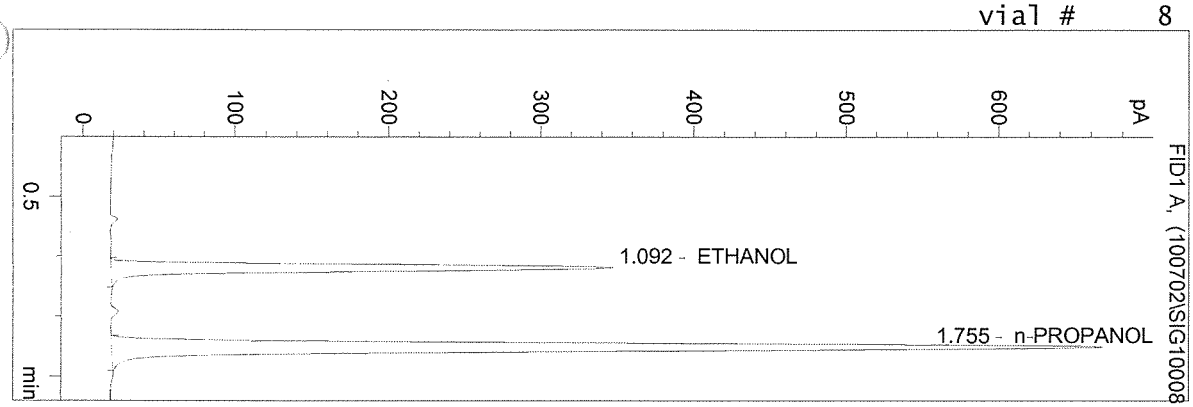
Instrument 3
DB-ALC1

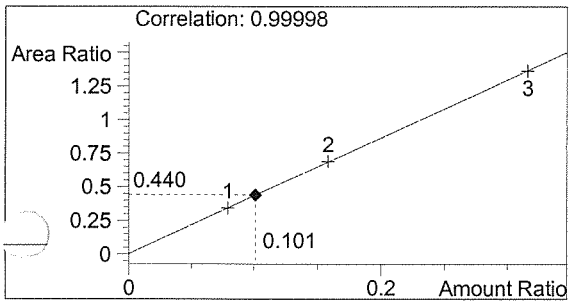
02035
MARY WILSON

vial # 8

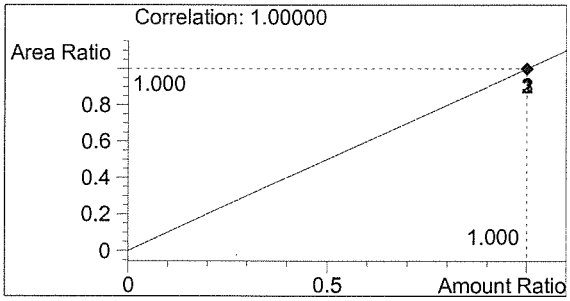


#	Compound	Area	RT
1	ETHANOL	1300	1.092
2	n-PROPANOL	2956	1.755

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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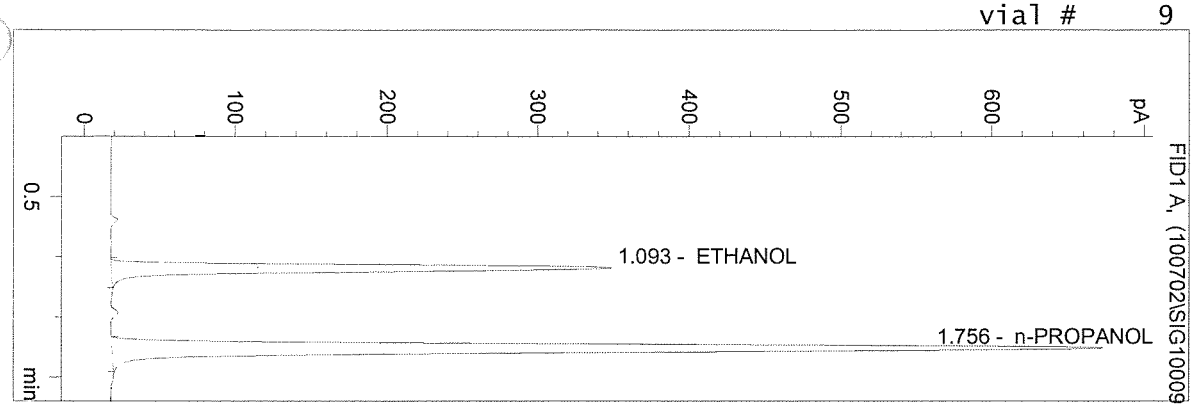
Instrument 3
DB-ALC1

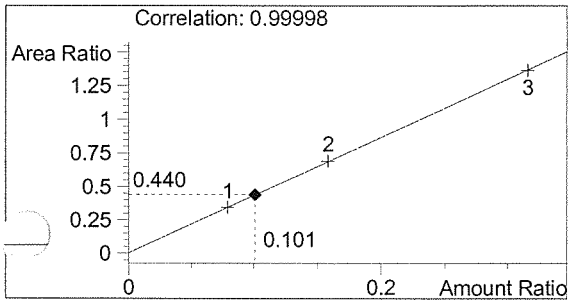
02035
MARY WILSON

vial # 9

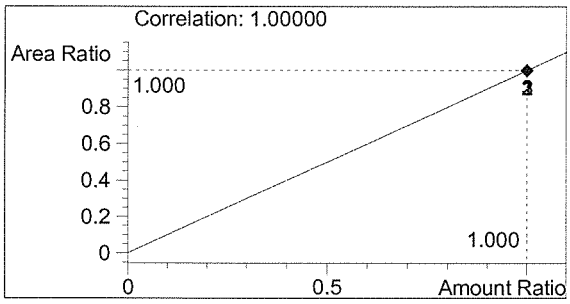


#	Compound	Area	RT
1	ETHANOL	1314	1.093
2	n-PROPANOL	2990	1.756

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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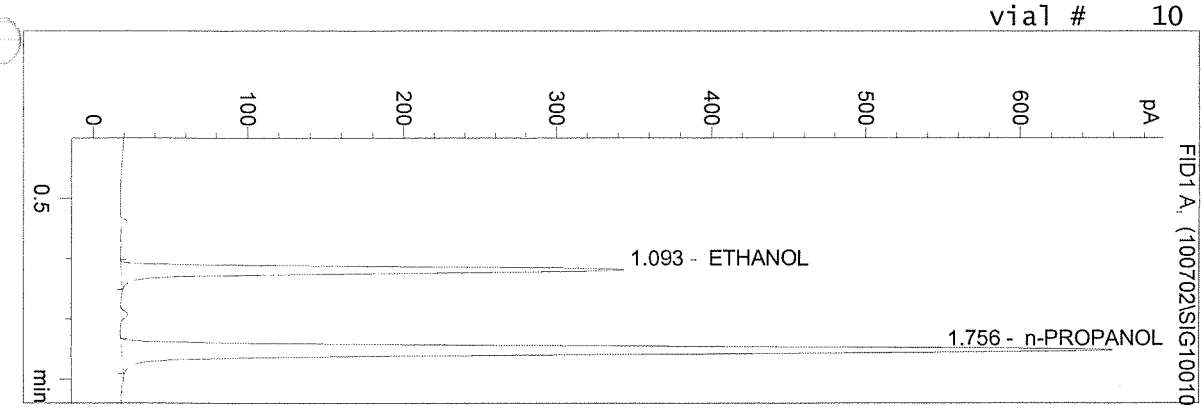
Instrument 3
DB-ALC1

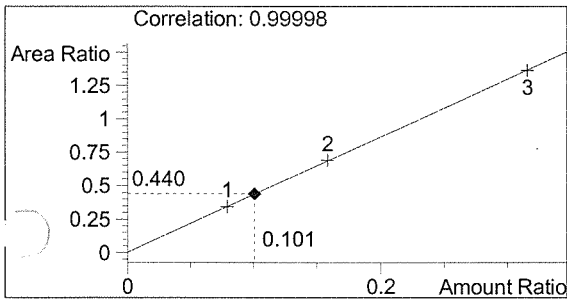
02035
MARY WILSON

vial # 10

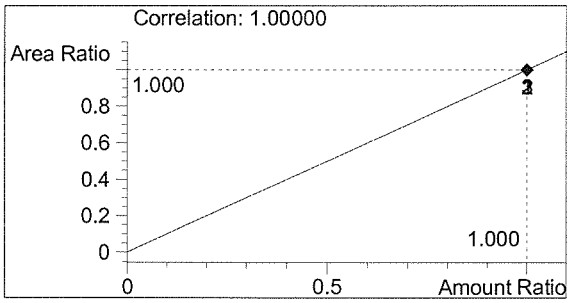


#	Compound	Area	RT
1	ETHANOL	1281	1.093
2	n-PROPANOL	2913	1.756

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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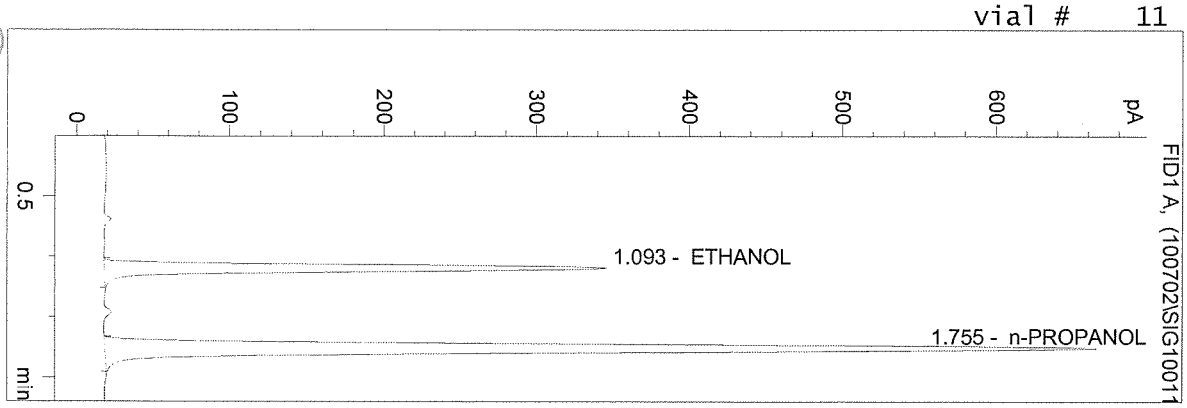
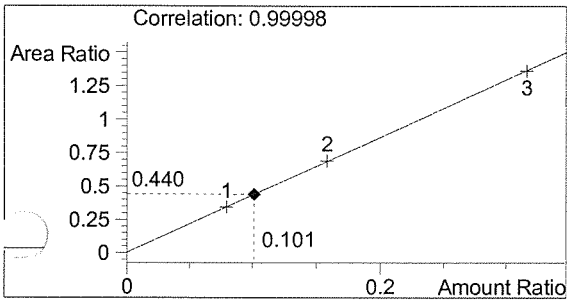
Instrument 3
DB-ALC1

02035
MARY WILSON

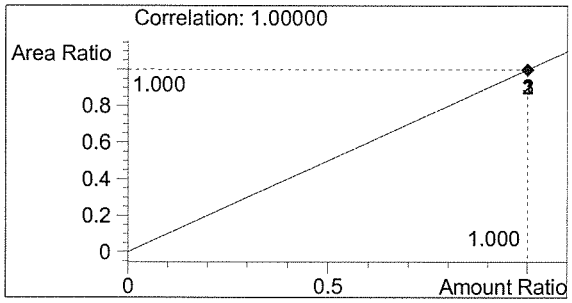
vial # 11



#	Compound	Area	RT
1	ETHANOL	1301	1.093
2	n-PROPANOL	2957	1.755
Totals:			



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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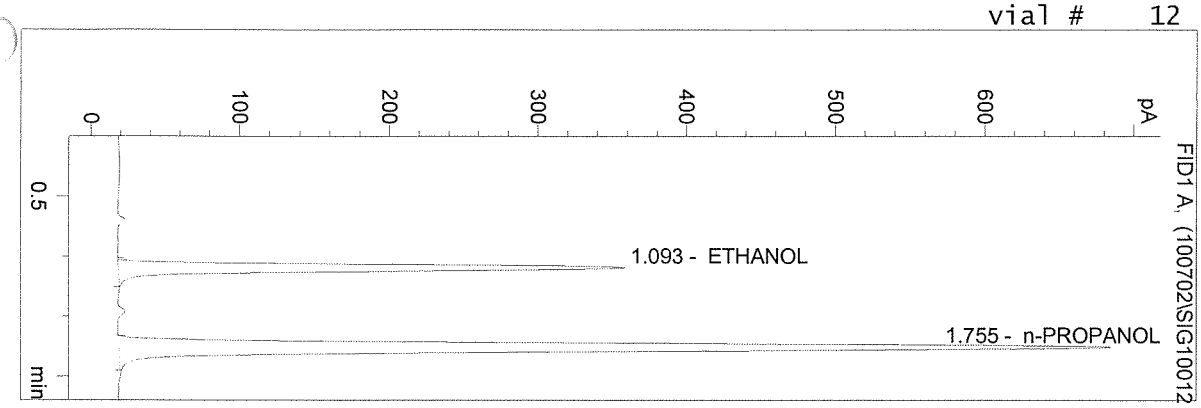
Instrument 3
DB-ALC1

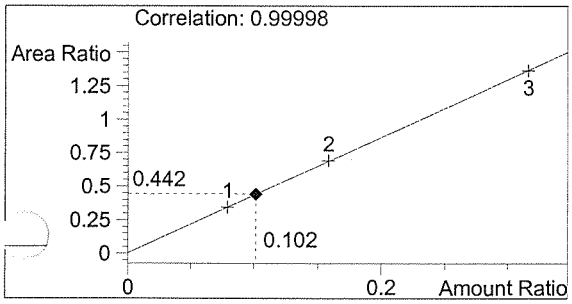
02035
MARY WILSON

vial # 12

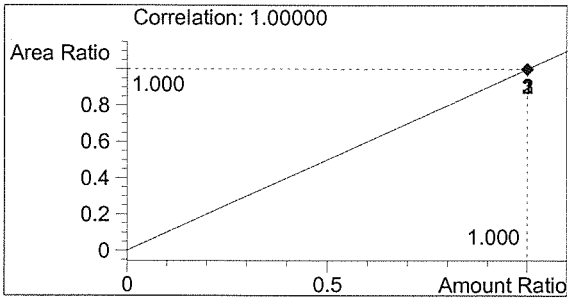


#	Compound	Area	RT
1	ETHANOL	1338	1.093
2	n-PROPANOL	3028	1.755

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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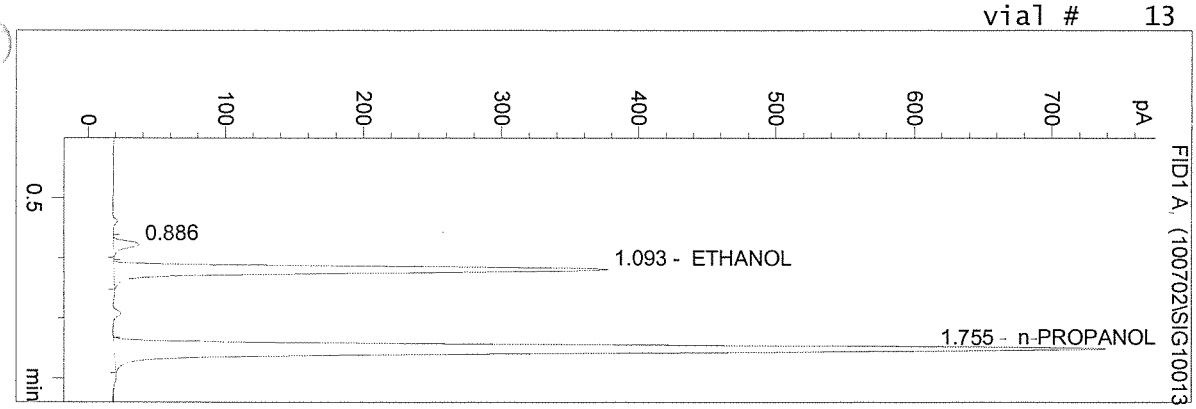
Instrument 3
DB-ALC1

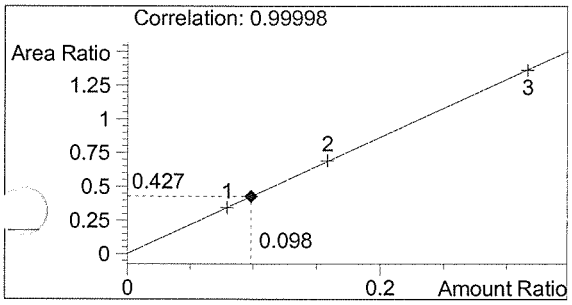
.10 CONTROL
MARY WILSON

vial # 13

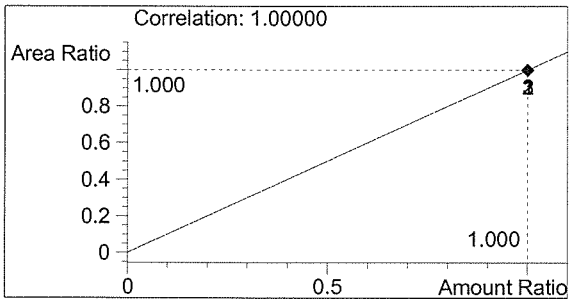


#	Compound	Area	RT
1		75	0.886
2	ETHANOL	1387	1.093
3	n-PROPANOL	3246	1.755

Totals:



ETHANOL 0.098 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
DB-ALC1

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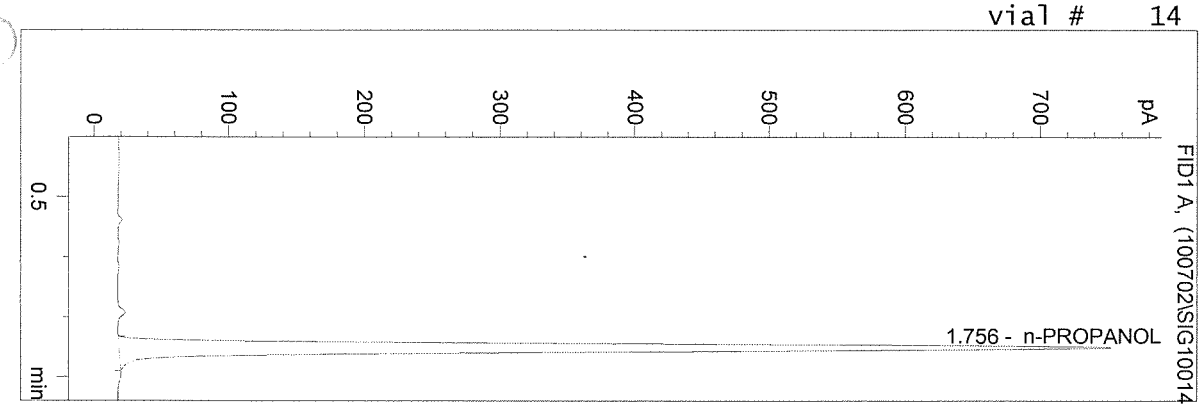
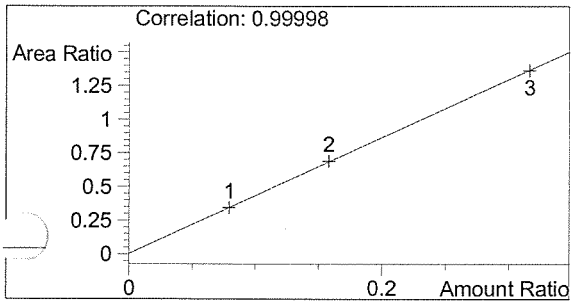
MARY WILSON

vial # 14

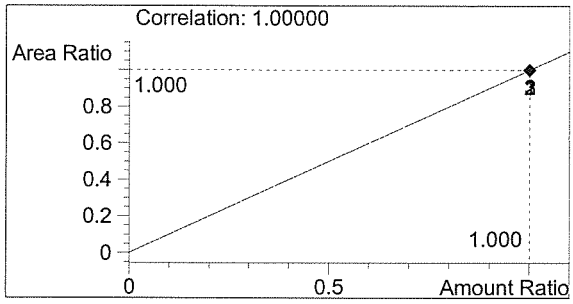


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3301	1.756

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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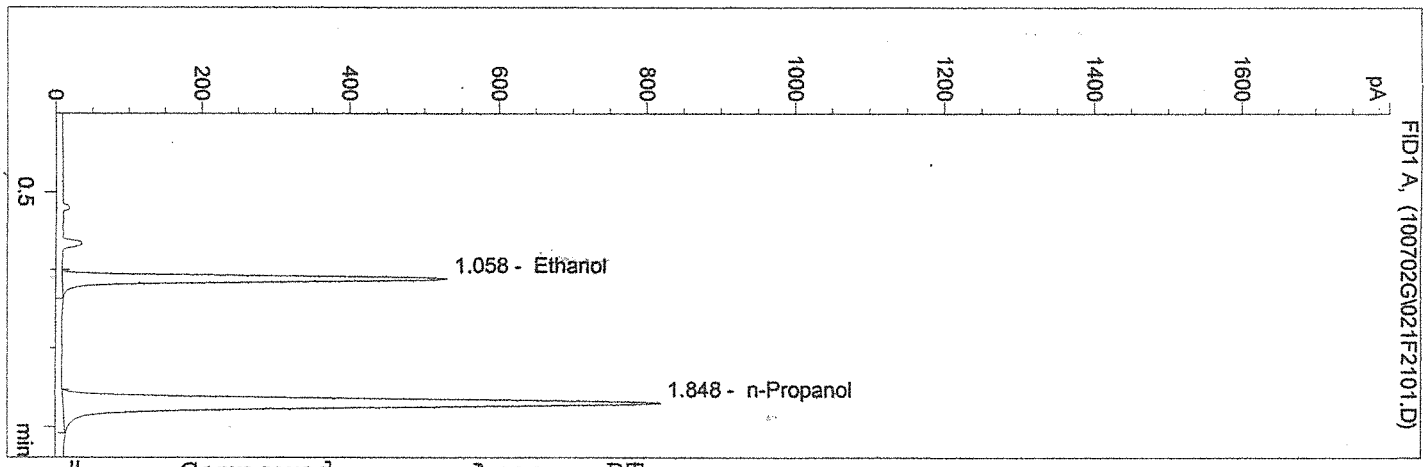
Instrument 2
DB-ALC1

Cal 025923

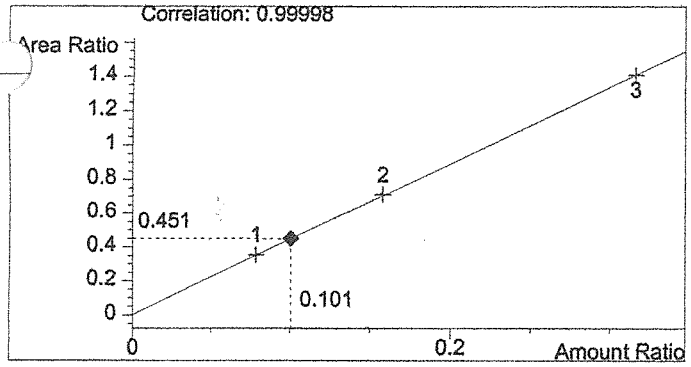
CAP 0.100
GENE SCHWILKE

vial # 21

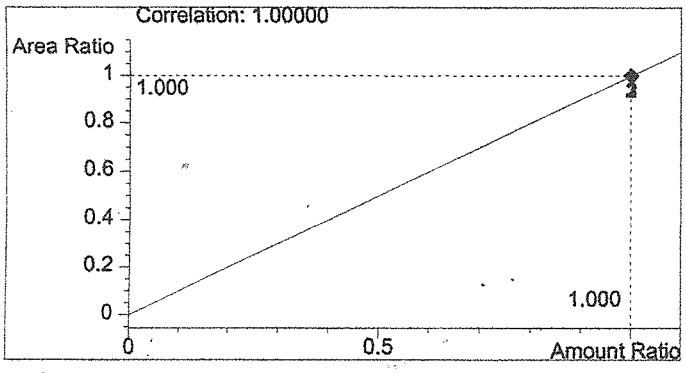


#	Compound	Area	RT
1	Ethanol	1424	1.058
2	n-Propanol	3156	1.848

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
DB-ALC1

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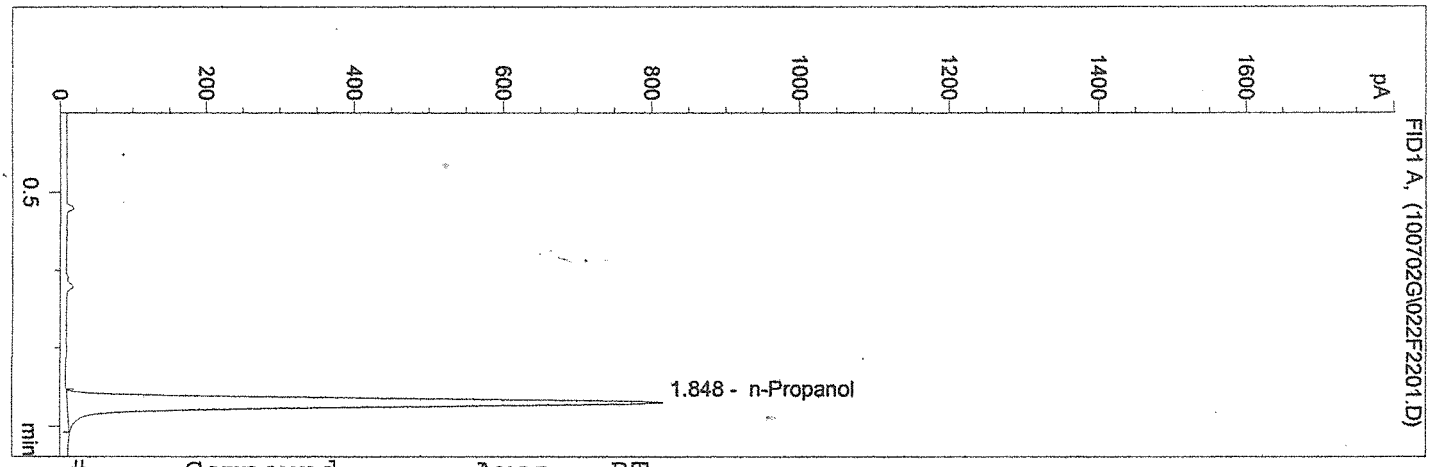
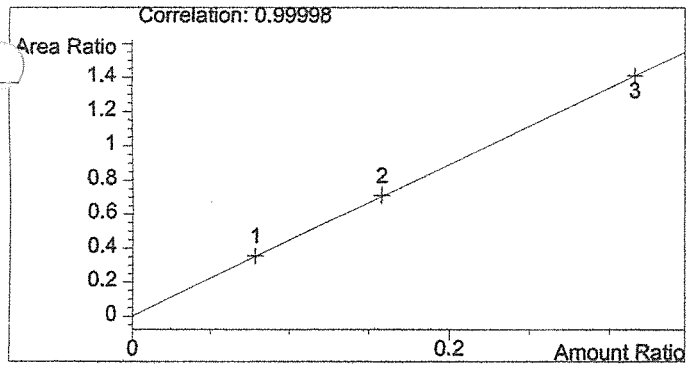
GENE SCHWILKE

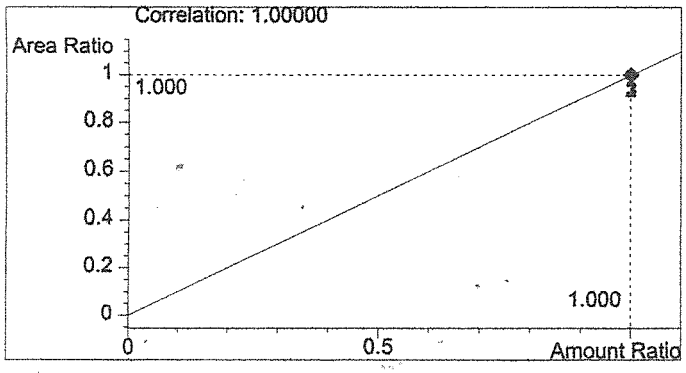
vial # 22



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3144	1.848
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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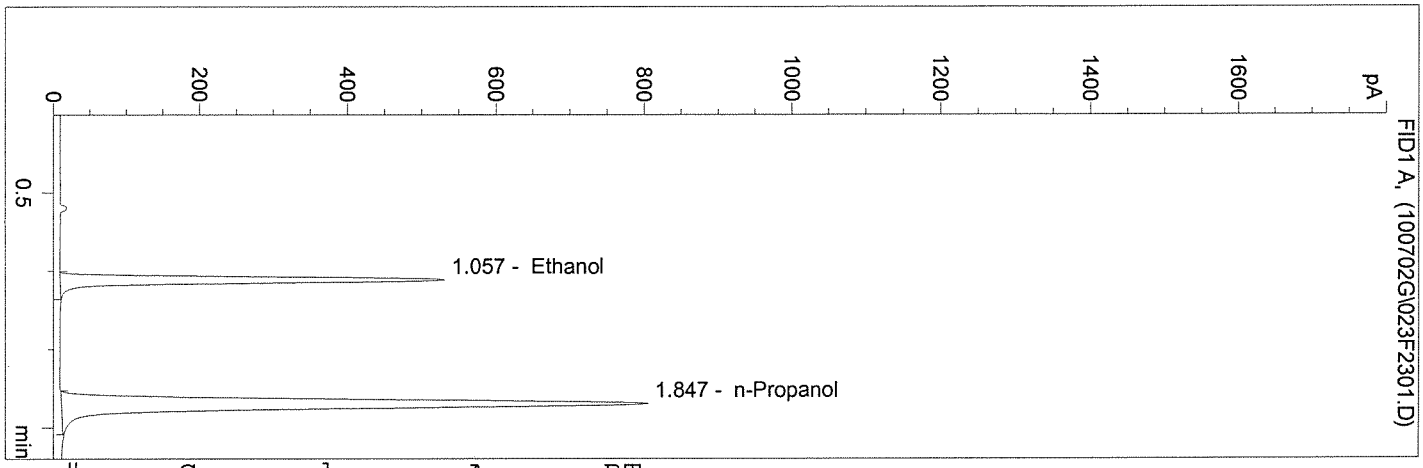
Instrument 2
[illegible]-ALC1

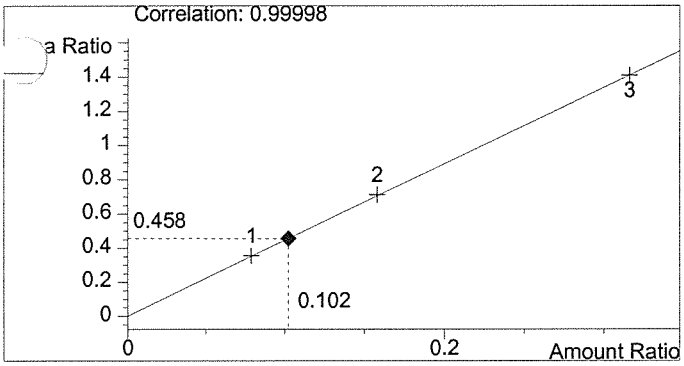
0.08SSOL 02035
GENE SCHWILKE

vial # 23

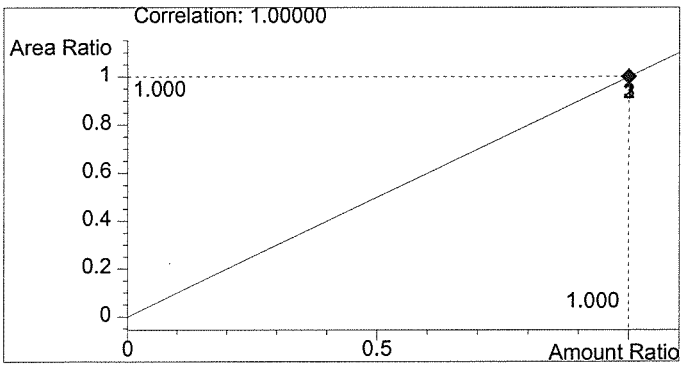


#	Compound	Area	RT
1	Ethanol	1421	1.057
2	n-Propanol	3105	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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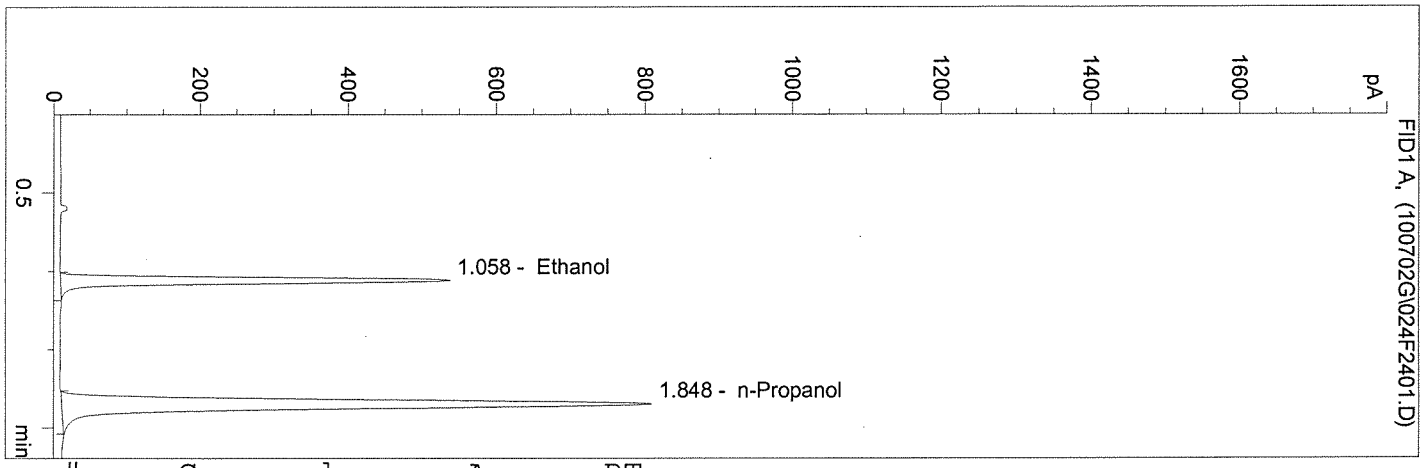
10/7/02 5:46:02 PM
Instrument 2
-ALC1

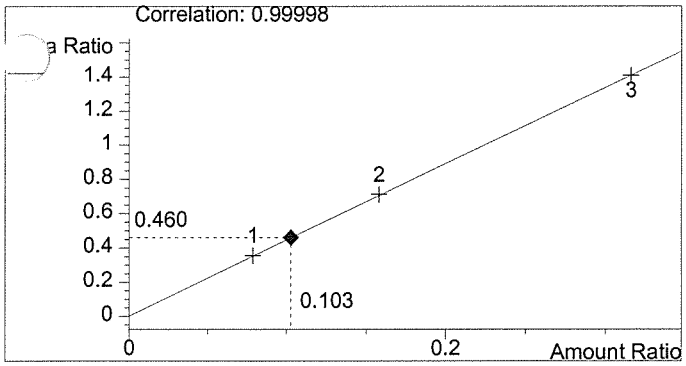
0.08SSOL 02035
GENE SCHWILKE

vial # 24

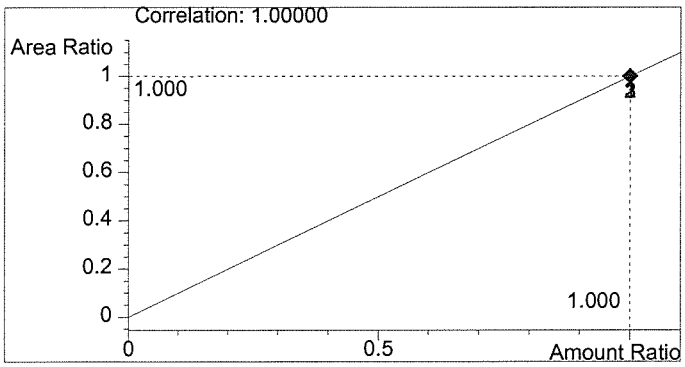


#	Compound	Area	RT
1	Ethanol	1435	1.058
2	n-Propanol	3117	1.848

Totals:



Ethanol 0.103 g/100ml



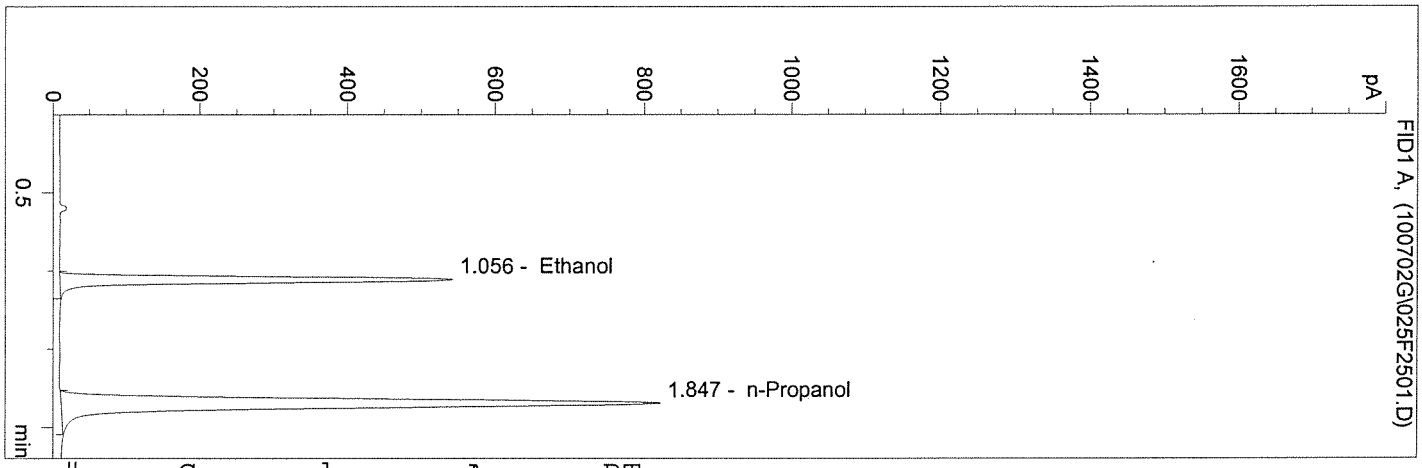
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
10/7/02 5:49:17 PM
Instrument 2
-ALC1

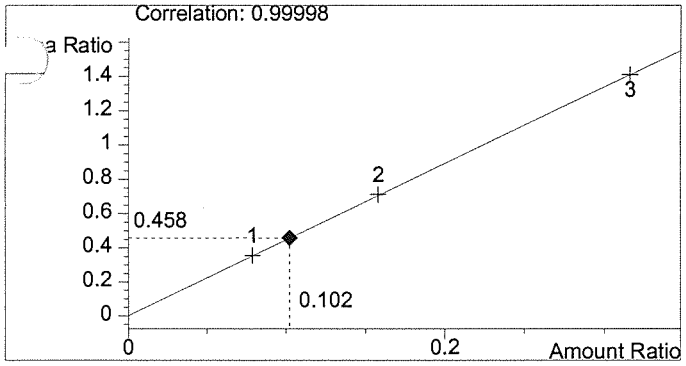
0.08SSOL 02035
GENE SCHWILKE

vial # 25

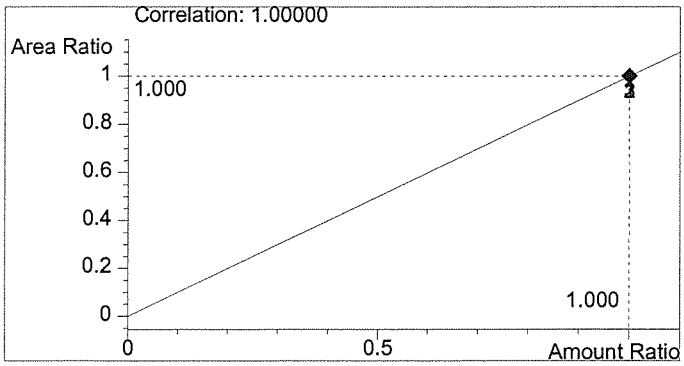


#	Compound	Area	RT
1	Ethanol	1453	1.056
2	n-Propanol	3170	1.847

Totals:



Ethanol 0.102 g/100ml



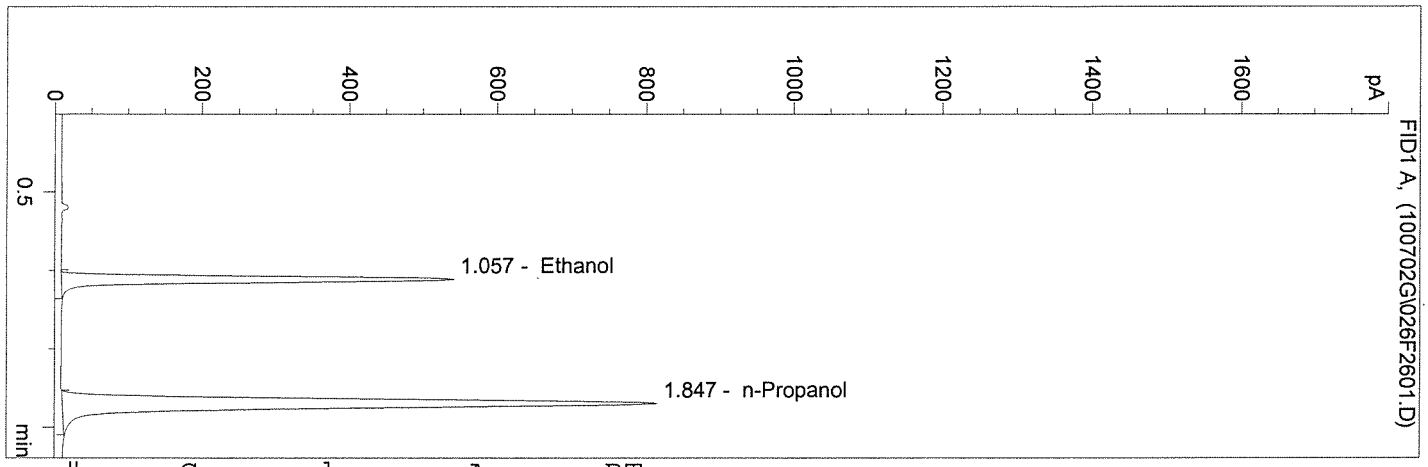
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
10/7/02 5:52:18 PM
Instrument 2
-ALC1

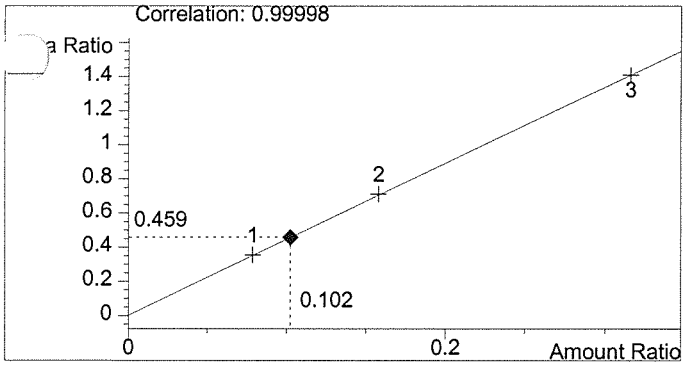
0.08SSOL 02035
GENE SCHWILKE

vial # 26

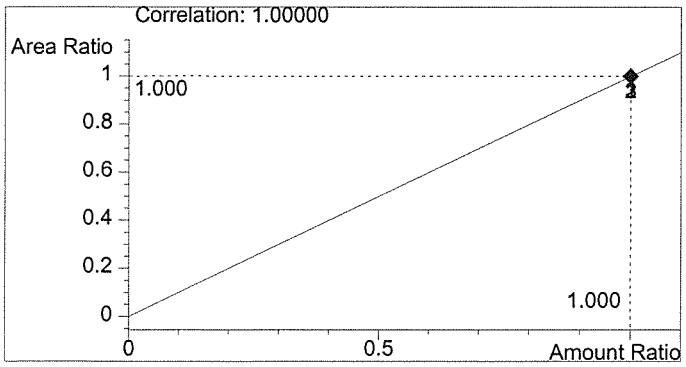


#	Compound	Area	RT
1	Ethanol	1447	1.057
2	n-Propanol	3153	1.847

Totals:



Ethanol 0.102 g/100ml



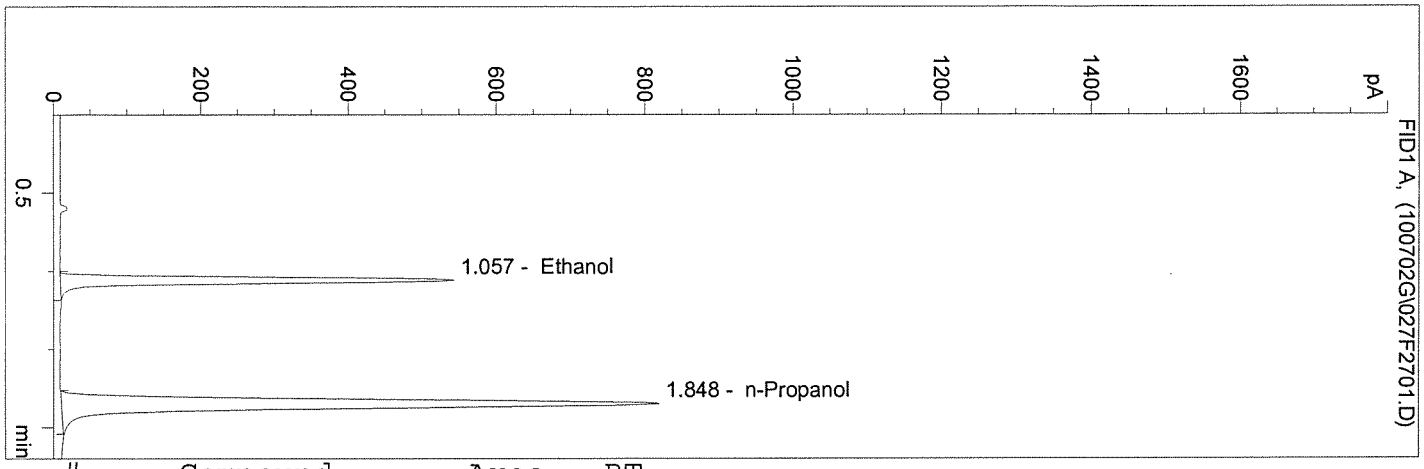
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
10/7/02 5:55:20 PM
Instrument 2
-ALC1

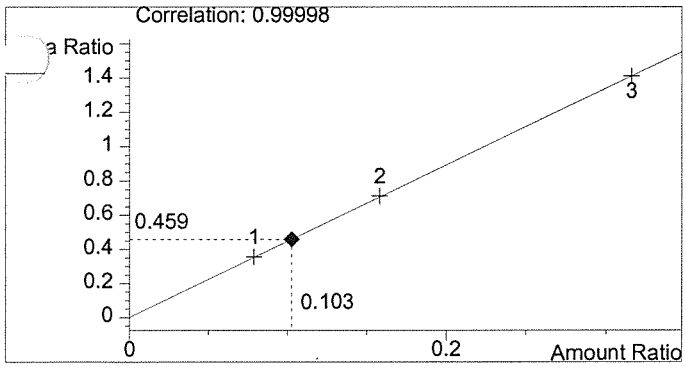
0.08SSOL 02035
GENE SCHWILKE

vial # 27

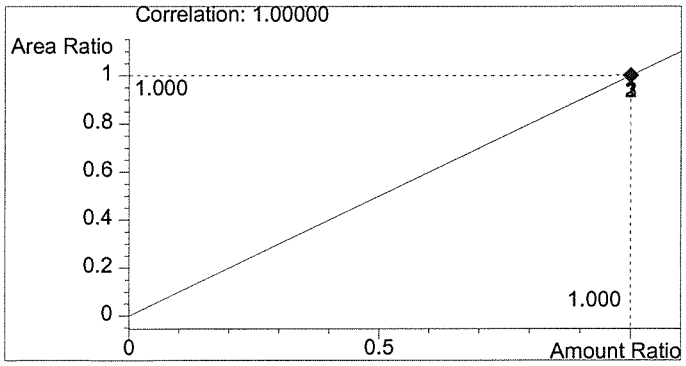


#	Compound	Area	RT
1	Ethanol	1456	1.057
2	n-Propanol	3169	1.848

Totals:



Ethanol 0.103 g/100ml



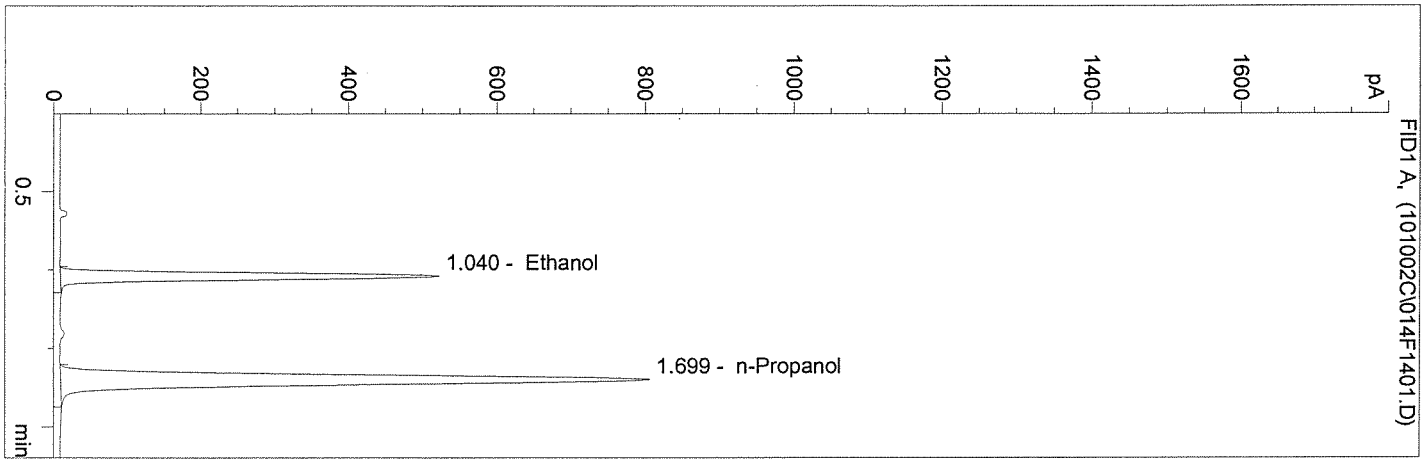
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:10:44 AM
Instrument 1
ALC1

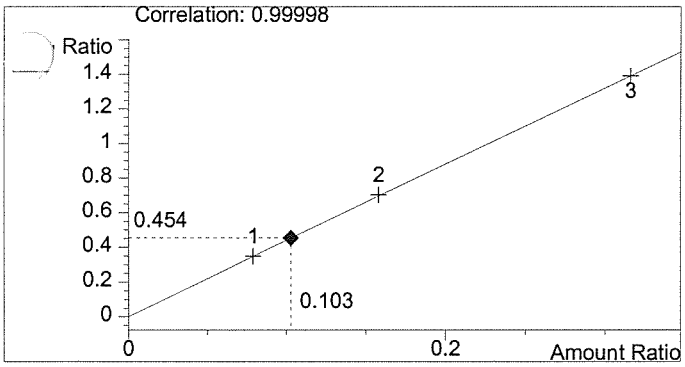
02035 sim soln
m pemberton

vial # 14

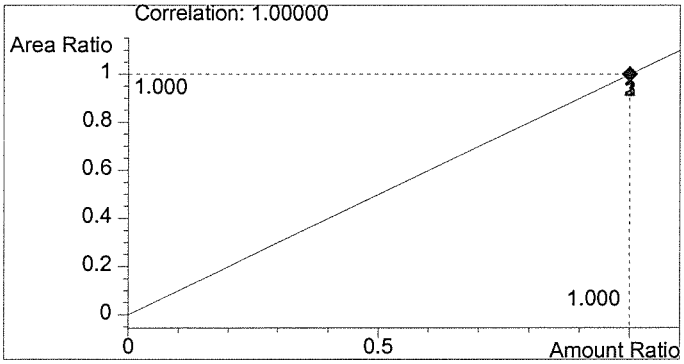


#	Compound	Area	RT
1	Ethanol	1513	1.040
2	n-Propanol	3331	1.699

Totals:



Ethanol 0.103 g/100ml



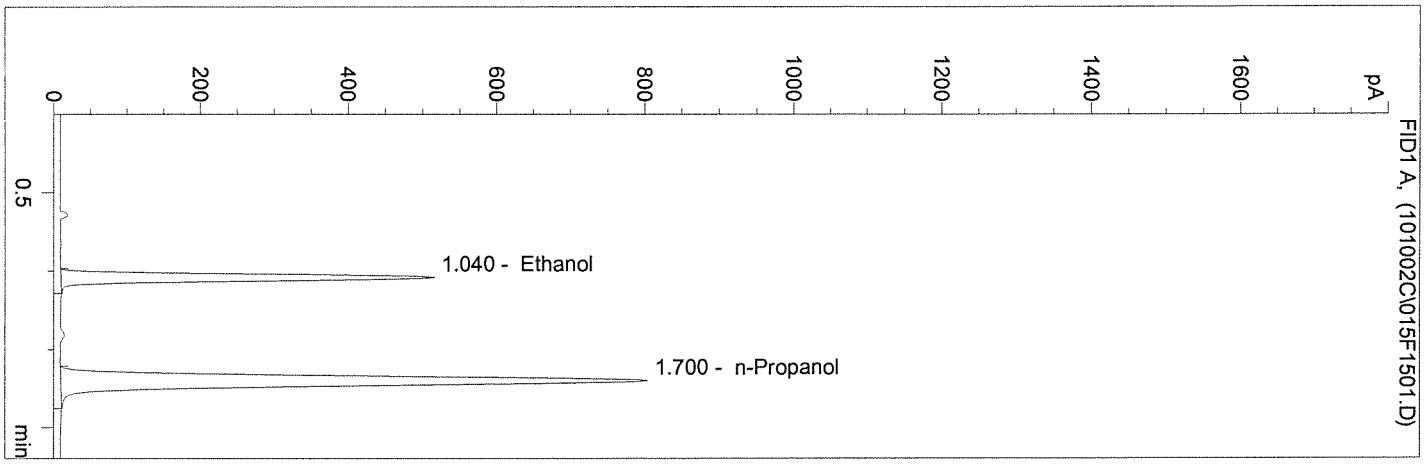
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:13:46 AM
Instrument 1
-ALC1

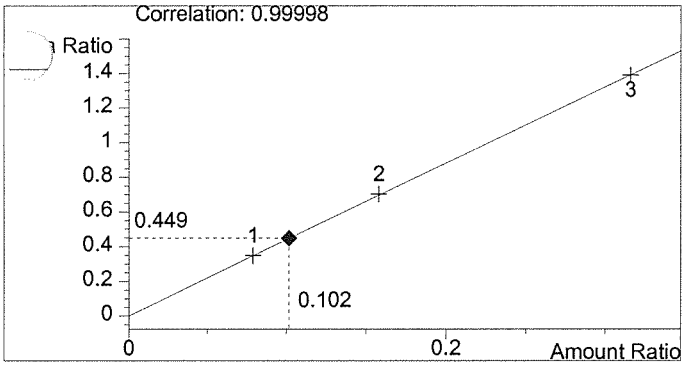
02035 sim soln
m pemberton

vial # 15

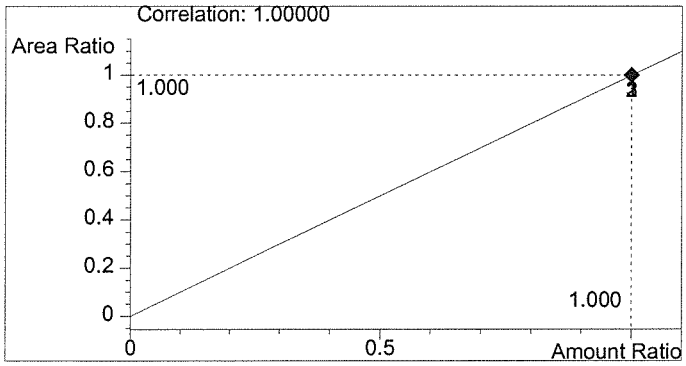


#	Compound	Area	RT
1	Ethanol	1485	1.040
2	n-Propanol	3309	1.700

Totals:



Ethanol 0.102 g/100ml



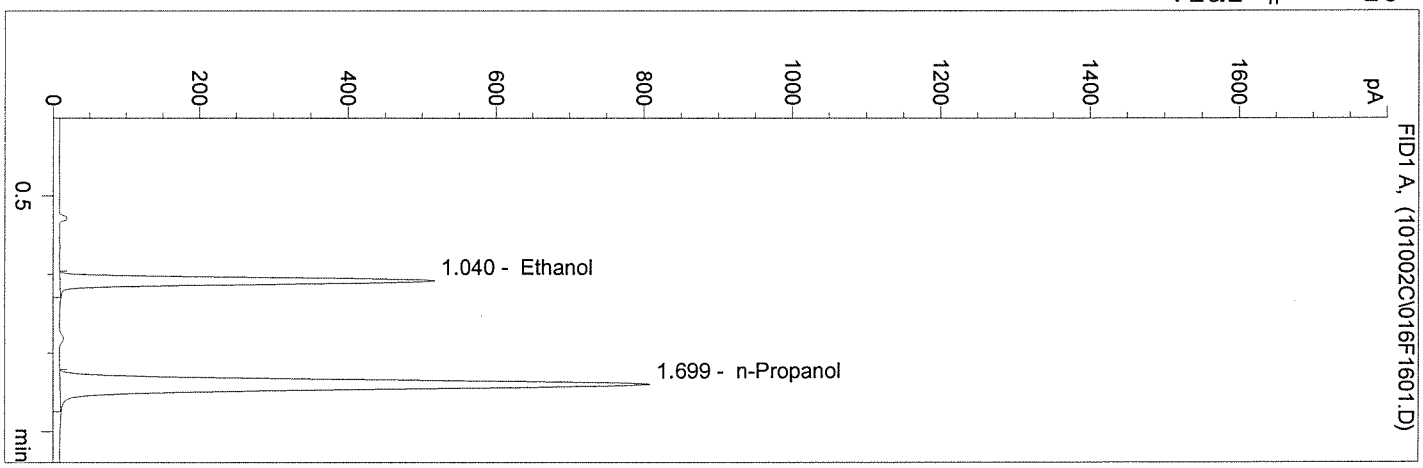
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:16:47 AM
Instrument 1
-ALC1

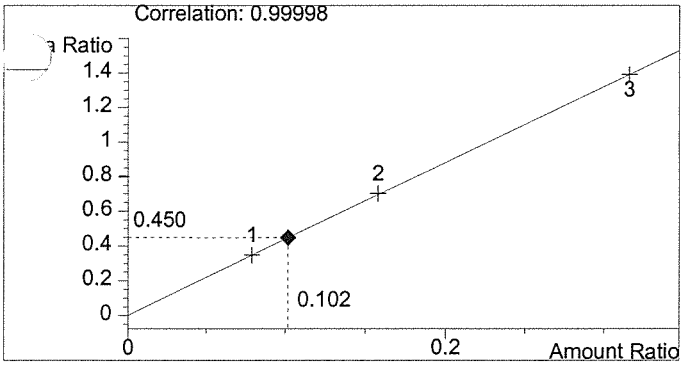
02035 sim soln
m pemberton

vial # 16

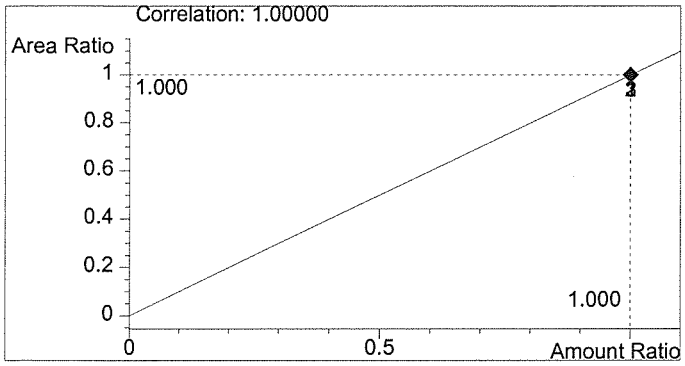


#	Compound	Area	RT
1	Ethanol	1496	1.040
2	n-Propanol	3329	1.699

Totals:



Ethanol 0.102 g/100ml



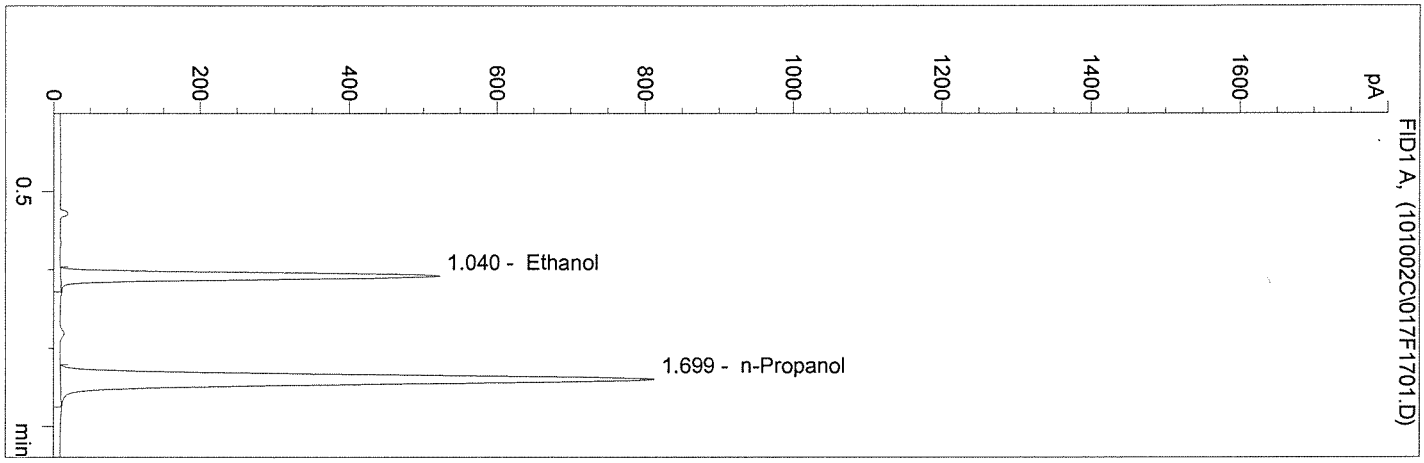
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:20:07 AM
Instrument 1
-ALC1

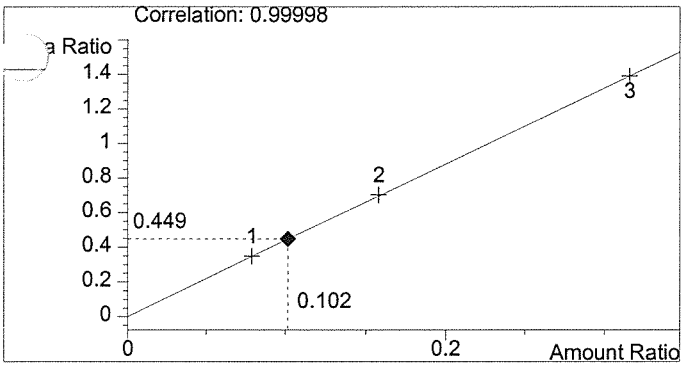
02035 sim soln
m pemberton

vial # 17

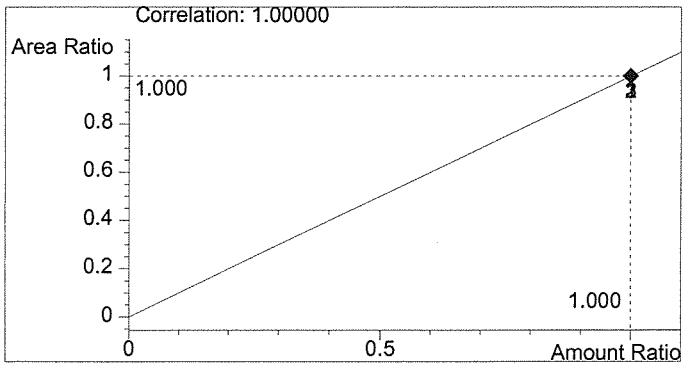


#	Compound	Area	RT
1	Ethanol	1504	1.040
2	n-Propanol	3348	1.699

Totals:



Ethanol 0.102 g/100ml



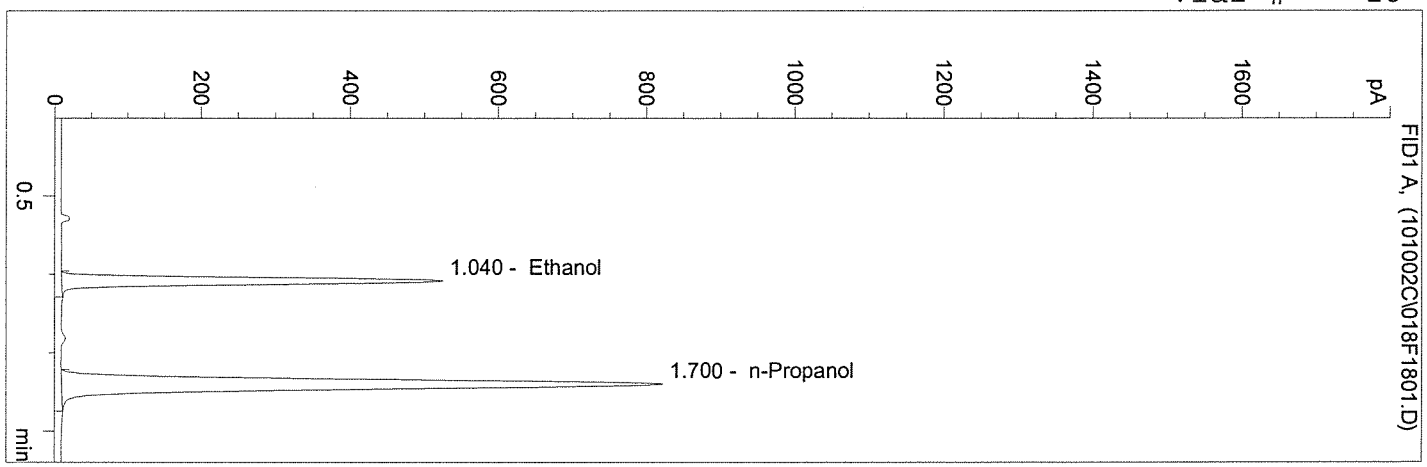
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:23:09 AM
Instrument 1
-ALC1

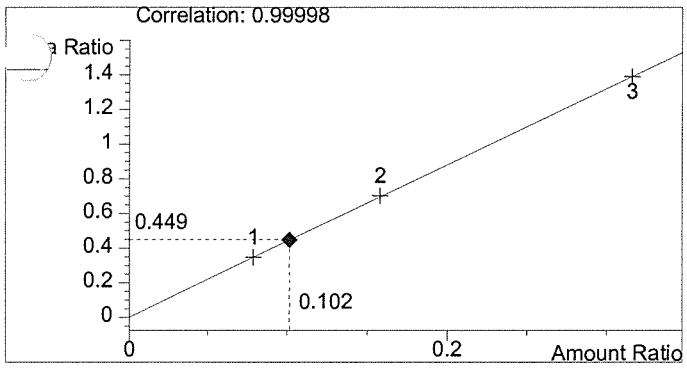
02035 sim soln
m pemberton

vial # 18

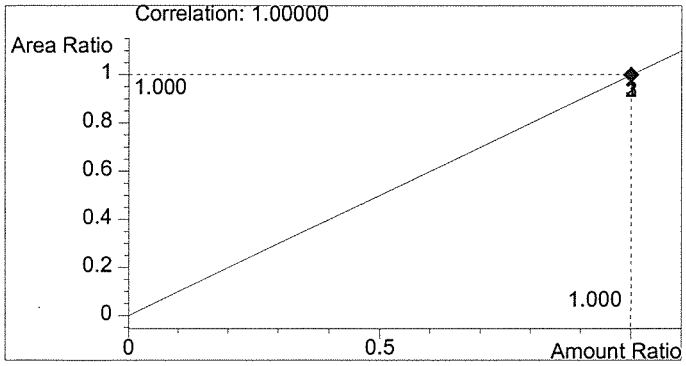


#	Compound	Area	RT
1	Ethanol	1526	1.040
2	n-Propanol	3401	1.700

Totals:



Ethanol 0.102 g/100ml



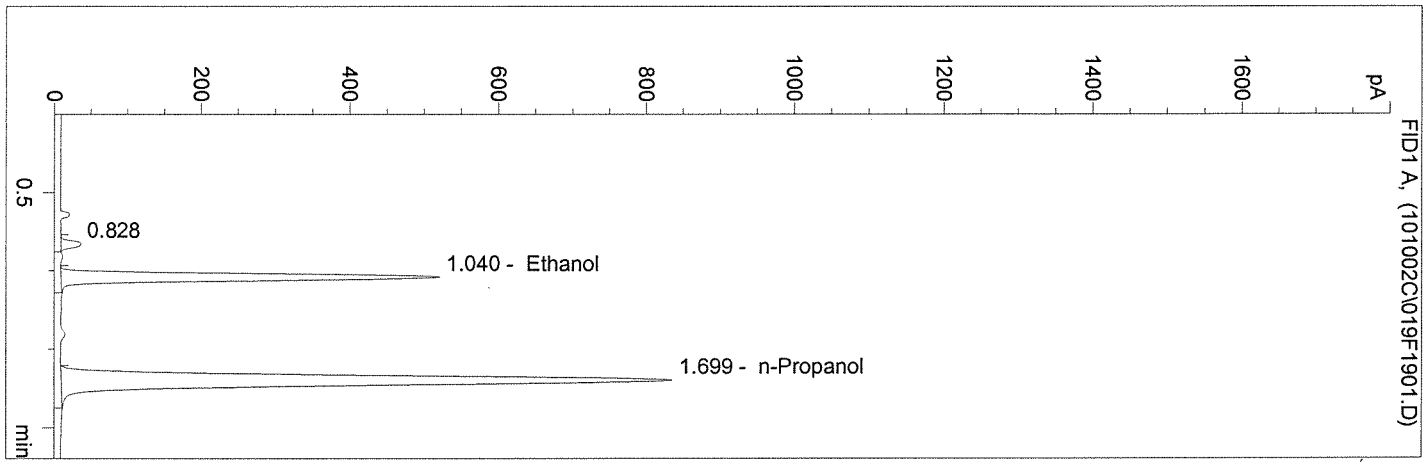
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
10/10/02 9:26:11 AM
Instrument 1
ALC1

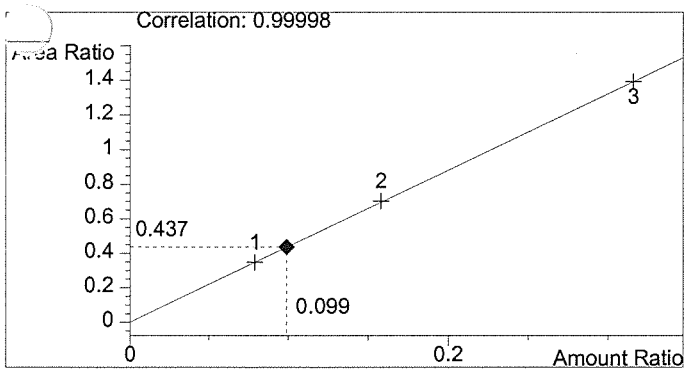
0.10 control
m pemberton

vial # 19

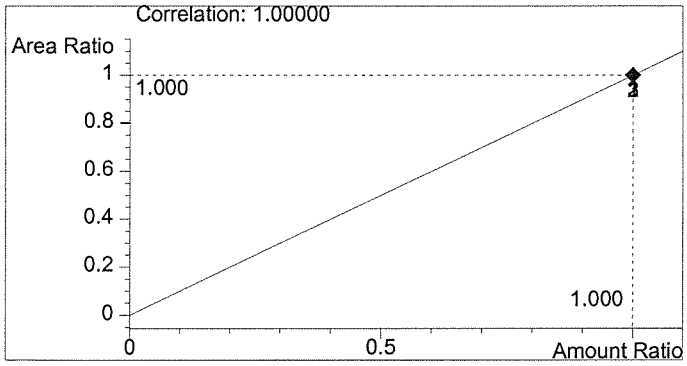


#	Compound	Area	RT
1		81	0.828
2	Ethanol	1508	1.040
3	n-Propanol	3447	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml