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 **02034** Date: 9/24/2002

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	0.101	0.102	0.103	0.103	0.102	0.101	0.101	0.101	0.102	0.101		
2	0.101	0.102	0.103	0.103	0.103	0.101	0.101	0.102	0.103	0.101		
3	0.101	0.102	0.102	0.103	0.103	0.102	0.101	0.102	0.103	0.102		
4	0.101	0.102	0.102	0.103	0.103	0.102	0.101	0.102	0.102	0.101		
5	0.102	0.102	0.102	0.103	0.102	0.102	0.101	0.102	0.102	0.101		
Ctrl	0.100	0.100	0.101	0.100	0.099	0.099	0.099	0.100	0.099	0.100		

External Control:

Lot #: A021986 Exp date: 1/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1019 g/100 mL

SD: 0.00074

Range (3xSD): 0.0997 to 0.1041

Precision CV (%): 0.7289 %

Equivalent vapor concent.: 0.0829 g/210L

Analyst	Name	Signature	Date
1	Edward Formoso		10/07/02
2	Melissa Pemberton		09/26/02
3	Mary Wilson		09/25/02
4	William P Marshall		09/25/02
5	Jayne Thatcher		09/27/02
6	Naziha Nuwayhid, PhD		09/30/02
7	Ruth Luthi		10/01/02
8	Estuardo Miranda		10/03/02
9	Ann Marie Gordon		10/02/02
10	Eugene Schwilke		10/07/02
11			
12			

Prepared by: Edward Formoso according to the approved protocol

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 11/12/02
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/nf
MWSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/nf
WMSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/nf
JTSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/nf
NNSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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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 02034 was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ann Marie Gordon, 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: Masters degree in Microbiology and Immunology and twelve years of experience as a forensic toxicologist.

The simulator solution, Lot Number 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/nf
AGSIMSOL

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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 02034, was prepared in the Washington State Toxicology Laboratory on 9/24/02. 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 9/24/03.

Dated: 10/8/02
Seattle, WA

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

GS/nf
GSSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, Ann Marie Gordon, 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: Masters degree in Microbiology and Immunology and twelve 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: 10/03/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

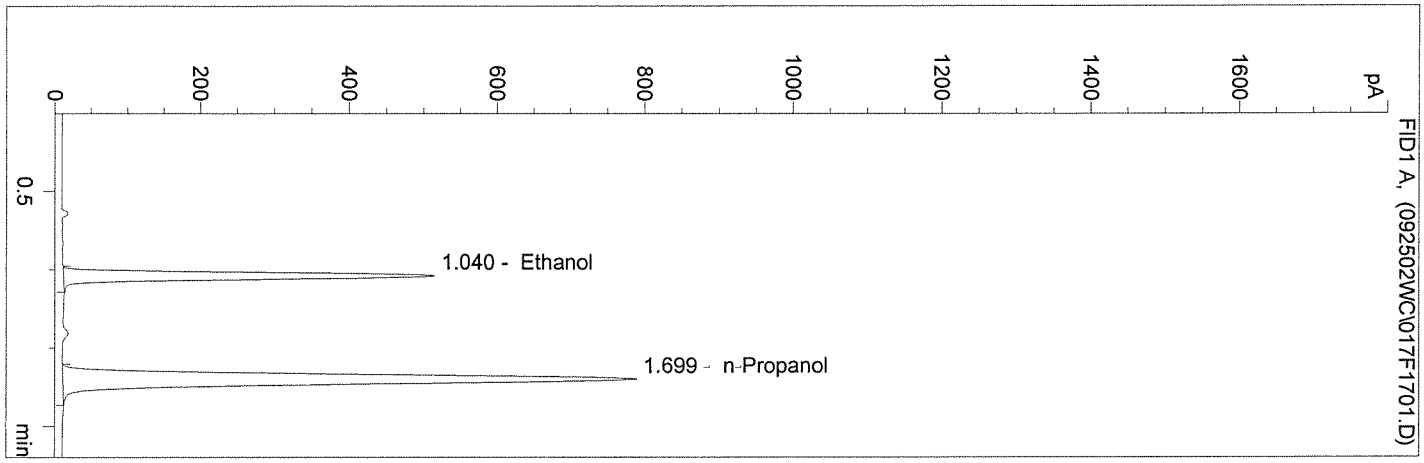
AMG/nf
AGSIMSOL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/25/02 8:50:33 AM
Instrument 1
ALC1

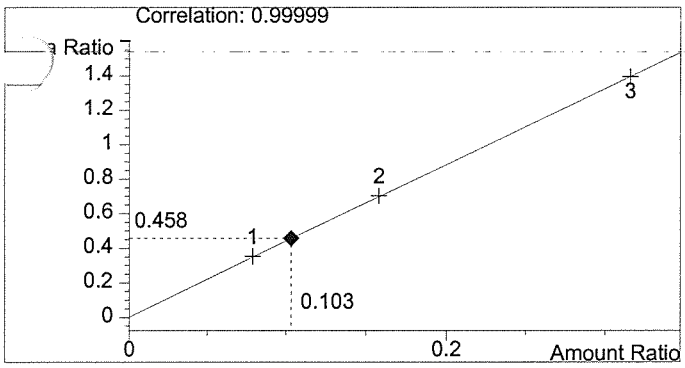
02034 SIM SOLN
WP MARSHALL

vial # 17

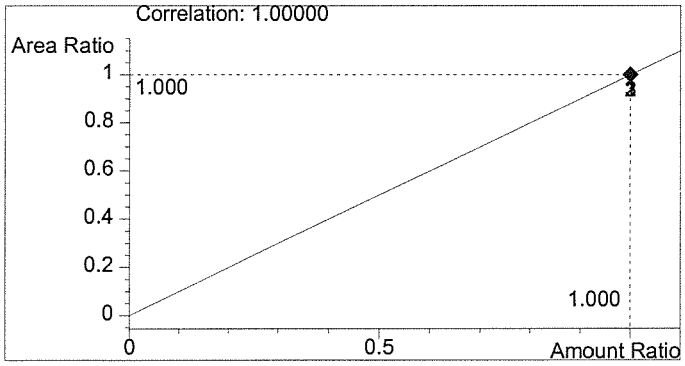


#	Compound	Area	RT
1	Ethanol	1481	1.040
2	n-Propanol	3237	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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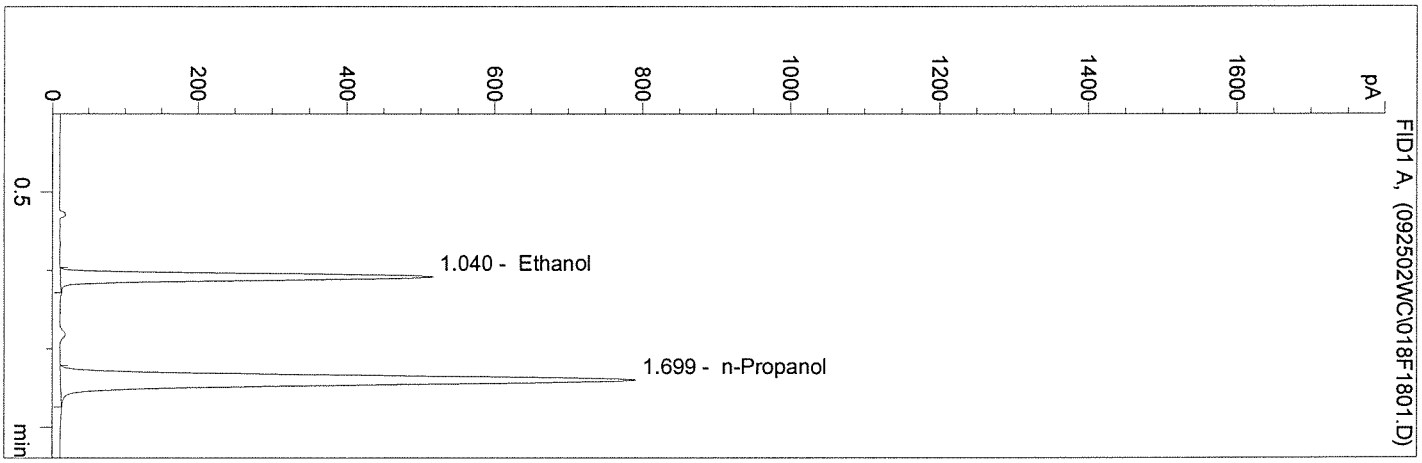
Instrument 1
-ALC1

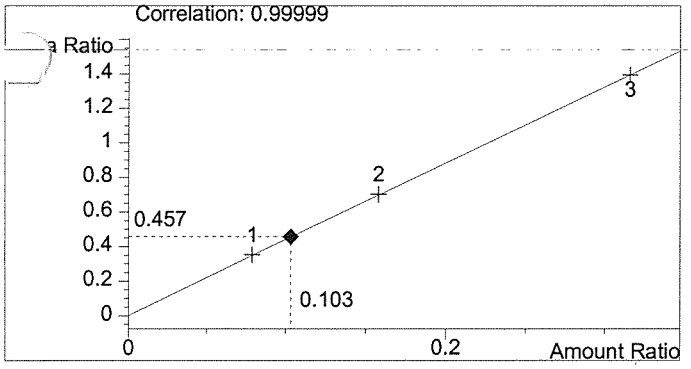
02034 SIM SOLN
WP MARSHALL

vial # 18

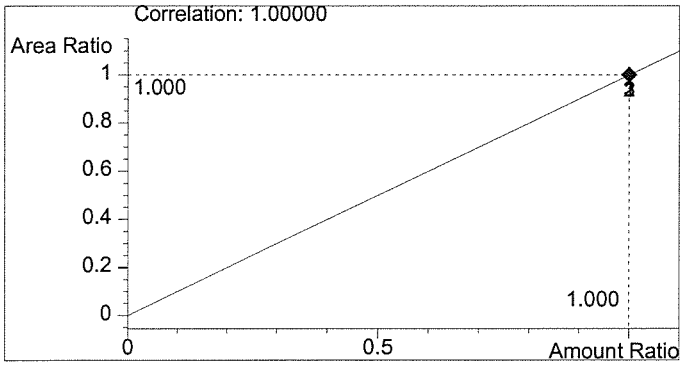


#	Compound	Area	RT
1	Ethanol	1489	1.040
2	n-Propanol	3256	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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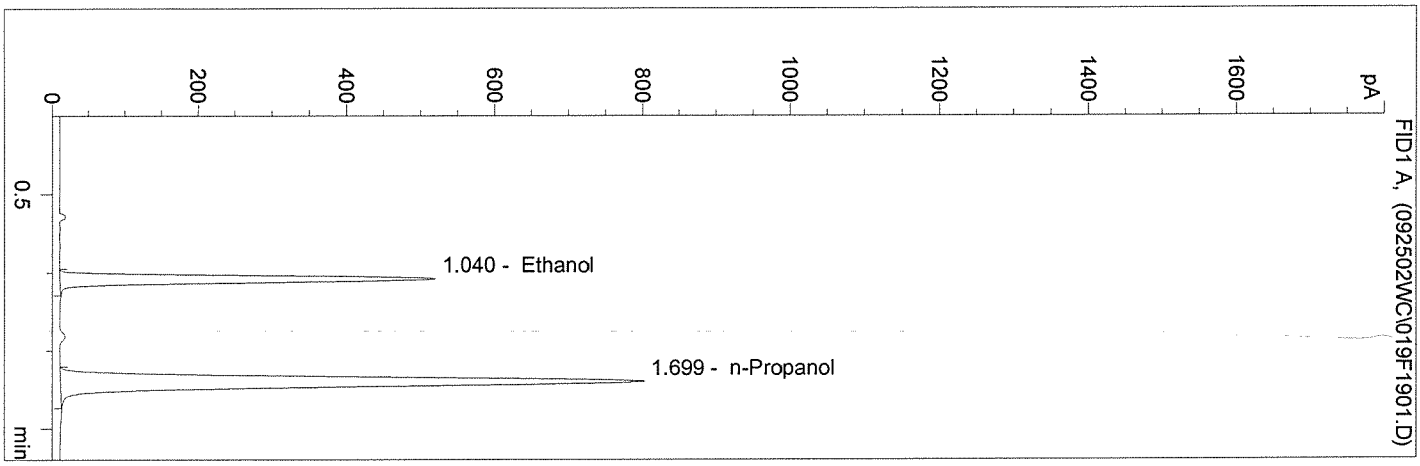
Instrument 1
-ALC1

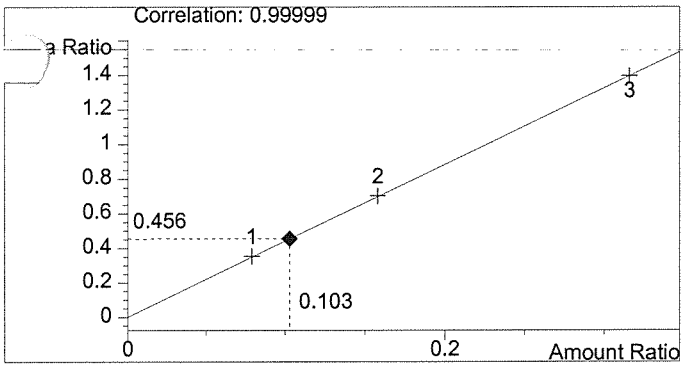
02034 SIM SOLN
WP MARSHALL

vial # 19

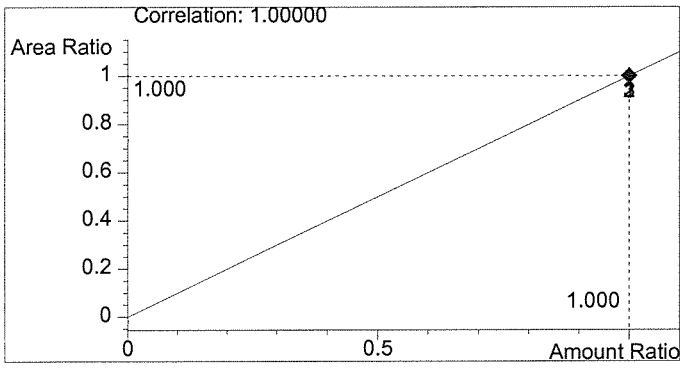


#	Compound	Area	RT
1	Ethanol	1505	1.040
2	n-Propanol	3300	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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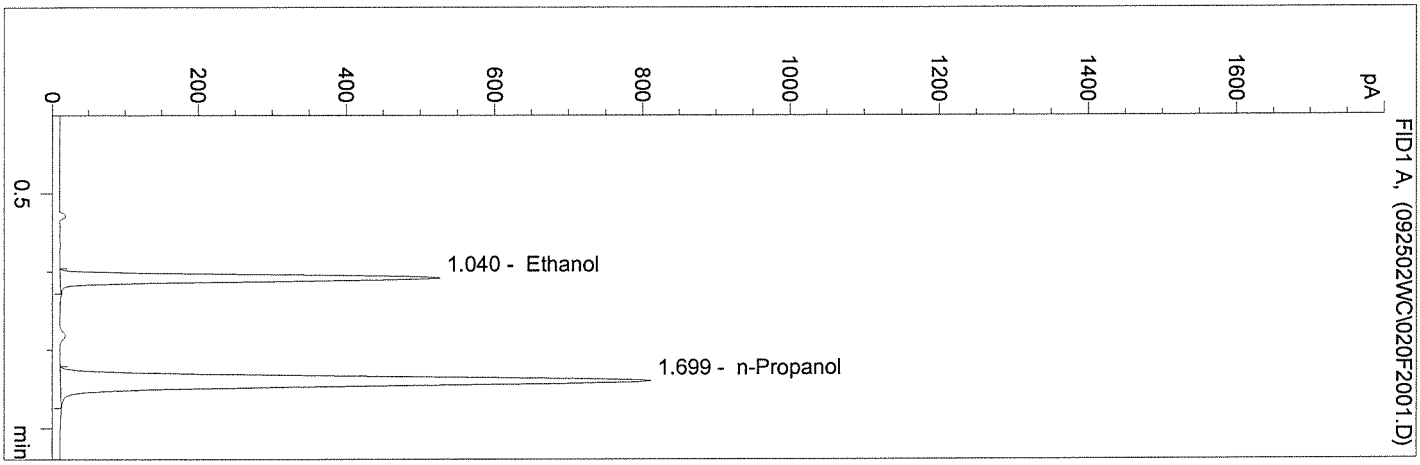
9/25/02 8:58:51 AM
Instrument 1
-ALC1

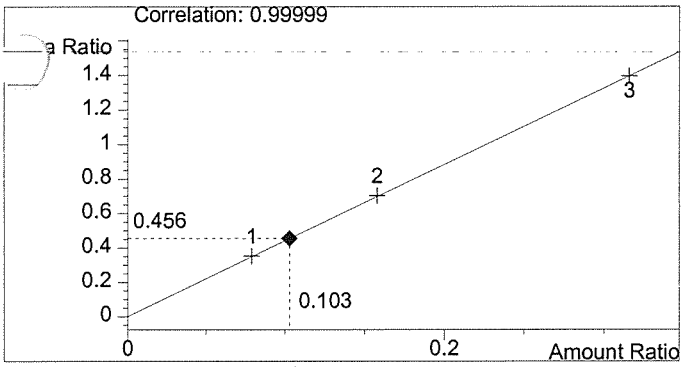
02034 SIM SOLN
WP MARSHALL

vial # 20

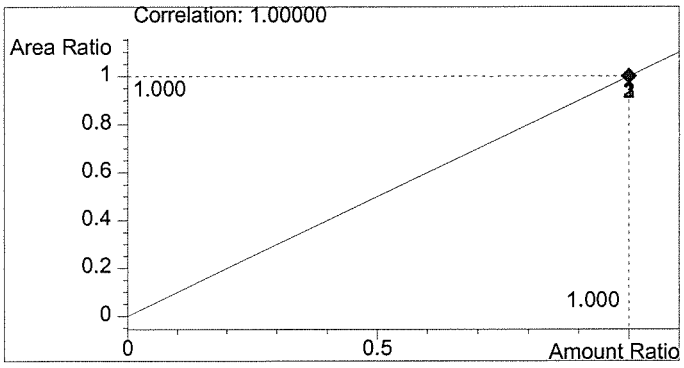


#	Compound	Area	RT
1	Ethanol	1523	1.040
2	n-Propanol	3342	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

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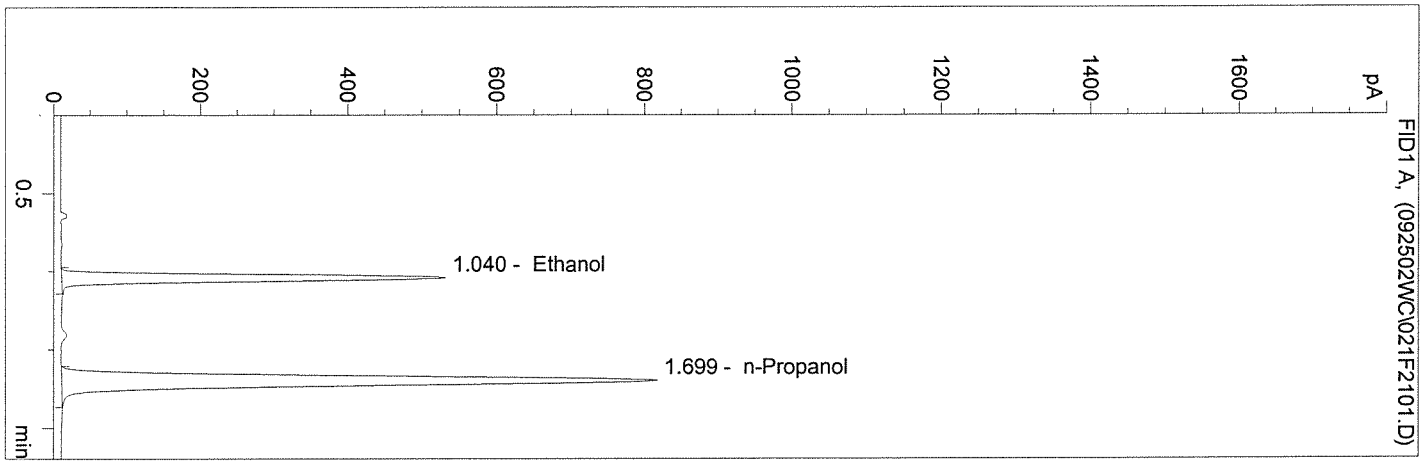
Instrument 1
ALC1

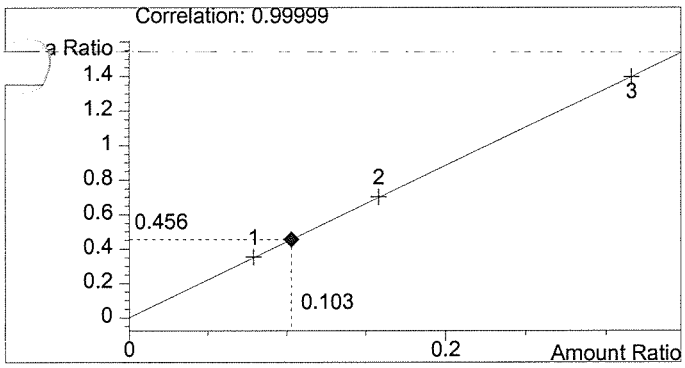
02034 SIM SOLN
WP MARSHALL

vial # 21

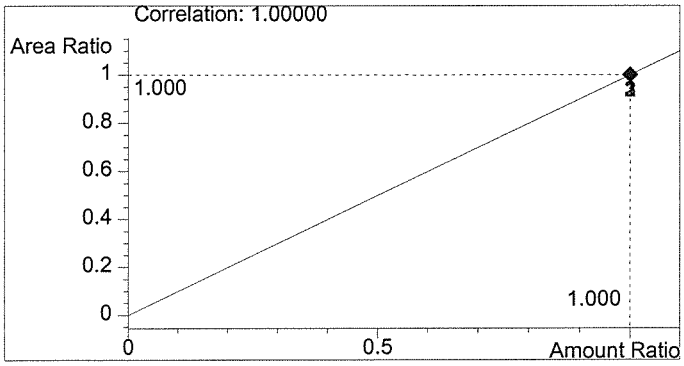


#	Compound	Area	RT
1	Ethanol	1532	1.040
2	n-Propanol	3360	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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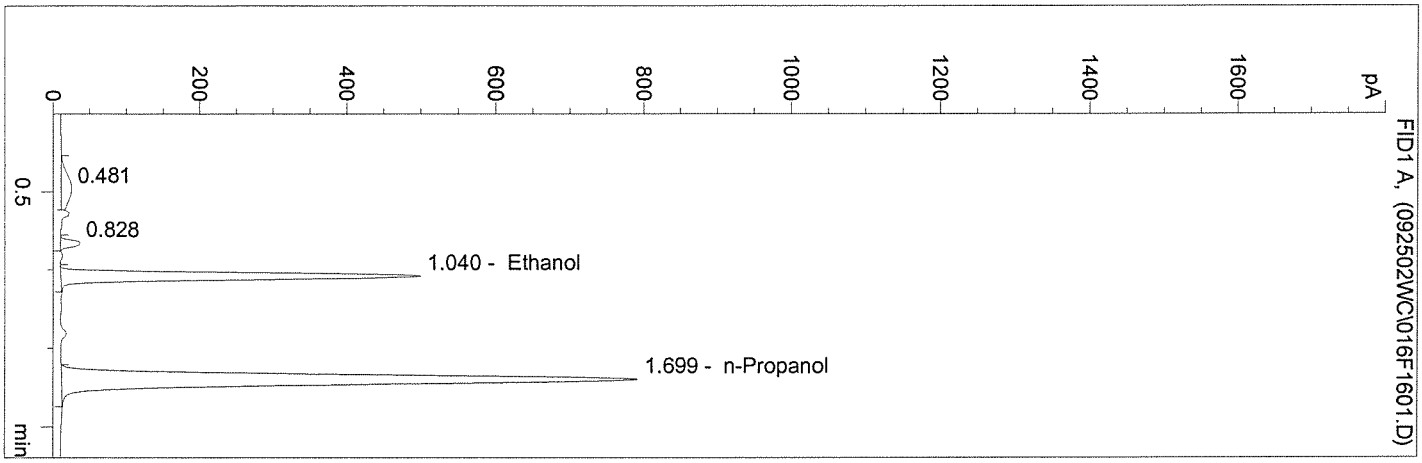
Instrument 1
-ALC1

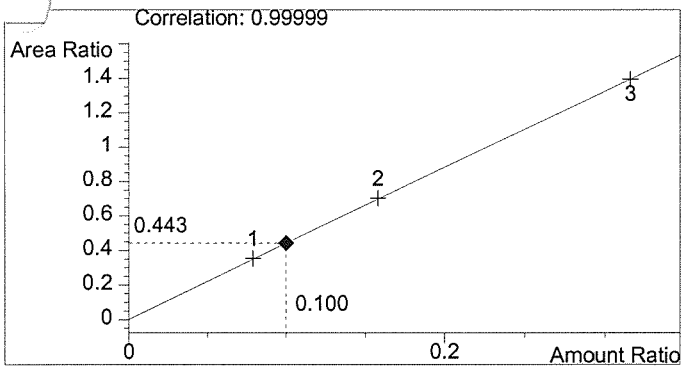
CONTROL 0.10 WM
WP MARSHALL

vial # 16

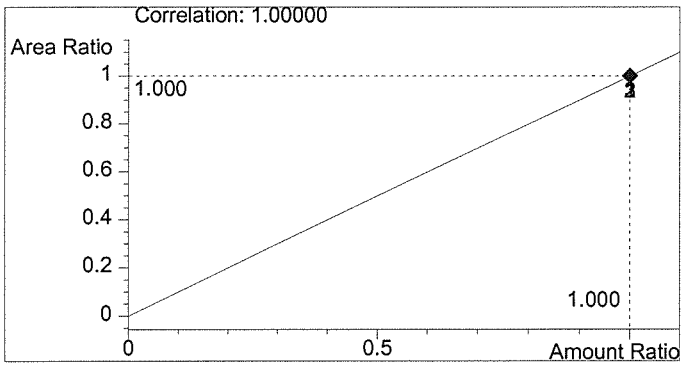


#	Compound	Area	RT
1		178	0.481
2		76	0.828
3	Ethanol	1447	1.040
4	n-Propanol	3263	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

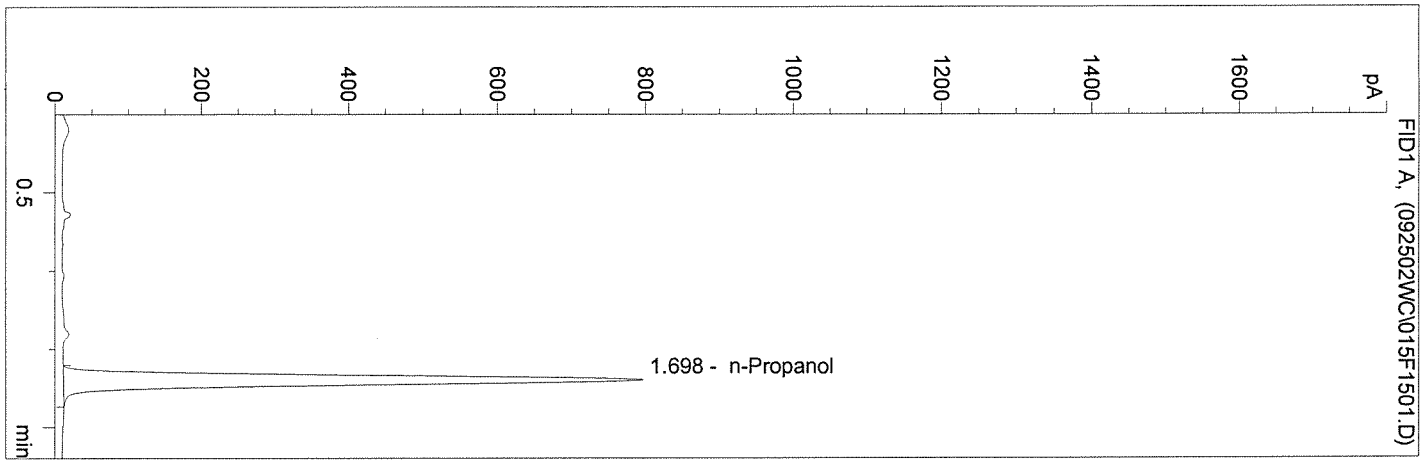
STDS
025638

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/25/02 8:44:26 AM
Instrument 1
-ALC1

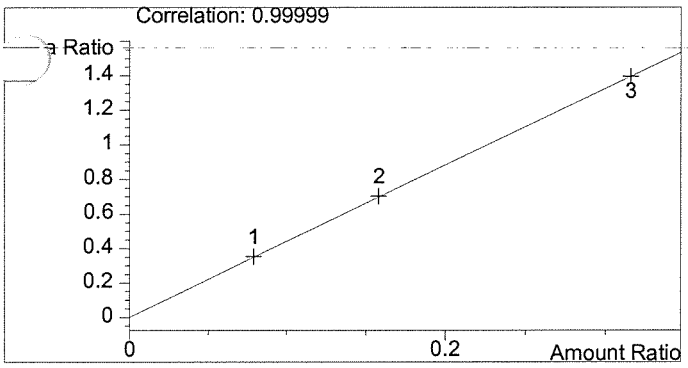
BLANK
WP MARSHALL

vial # 15

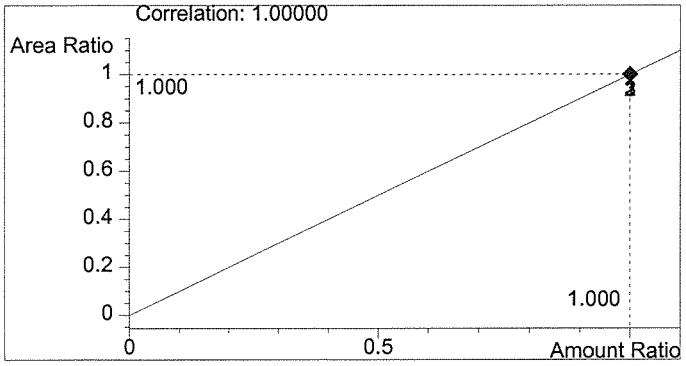


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3275	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

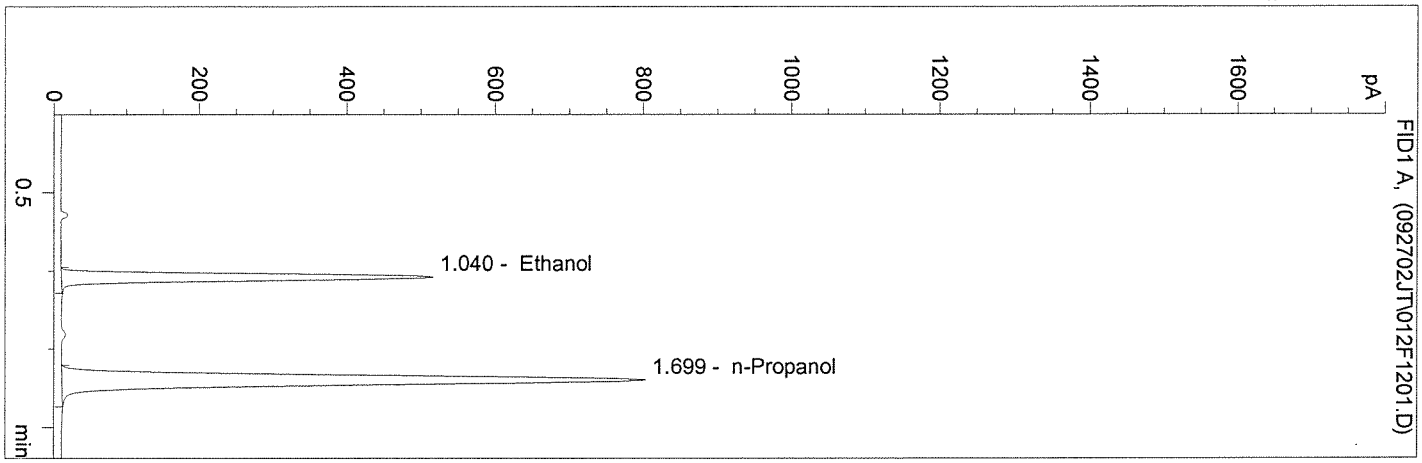
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/27/02 8:55:06 AM
Instrument 1
ALC1

9/27/02 JT

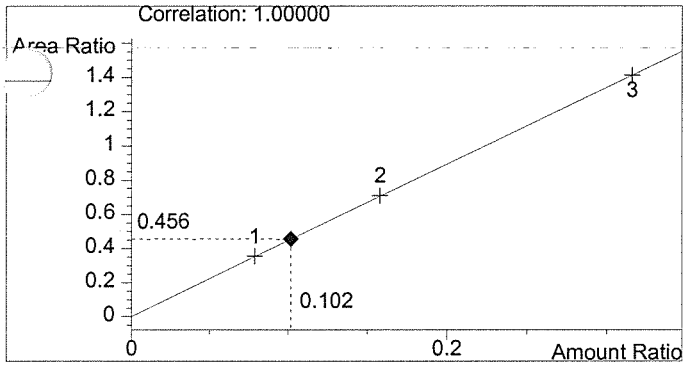
SS02034-1
Jayne E. Thatcher

vial # 12

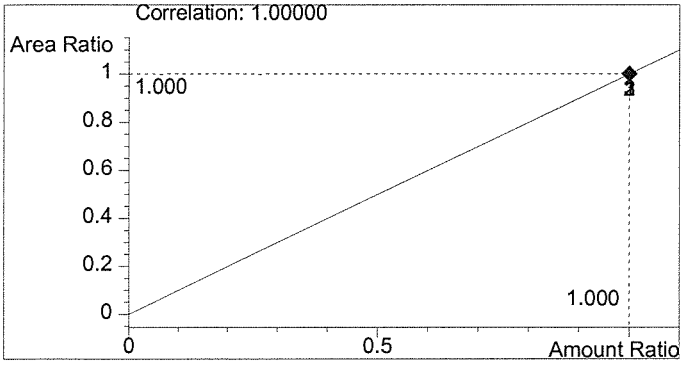


#	Compound	Area	RT
1	Ethanol	1513	1.040
2	n-Propanol	3317	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
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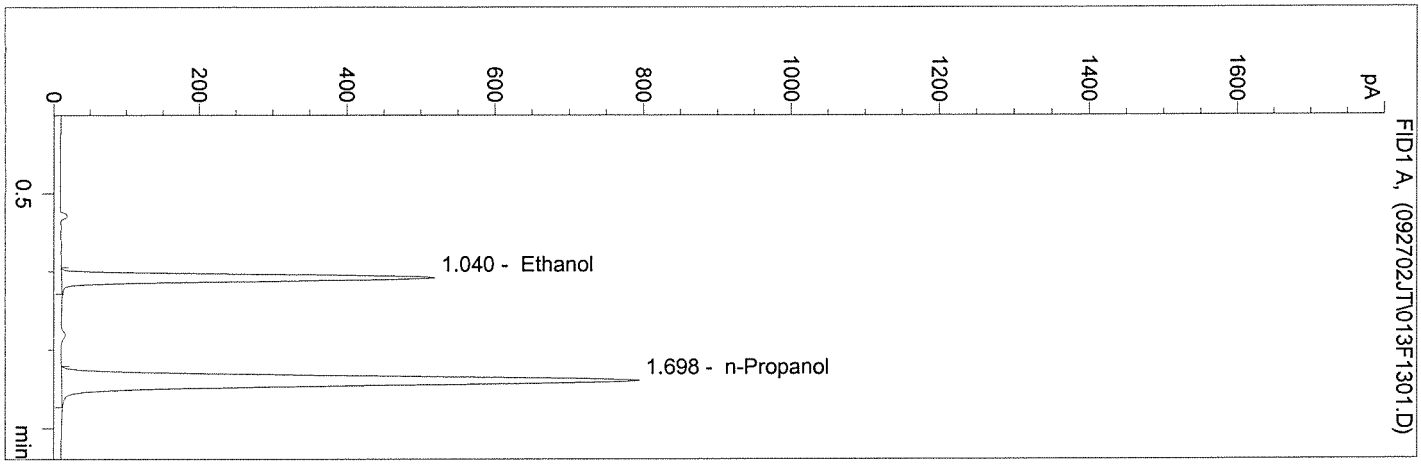
Instrument 1
-ALC1

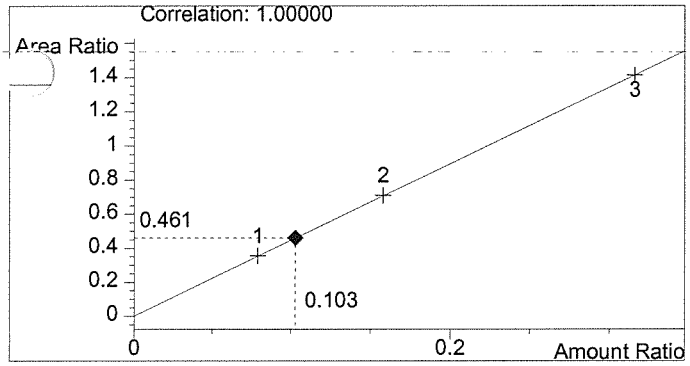
SS02034-2
Jayne E. Thatcher

vial # 13

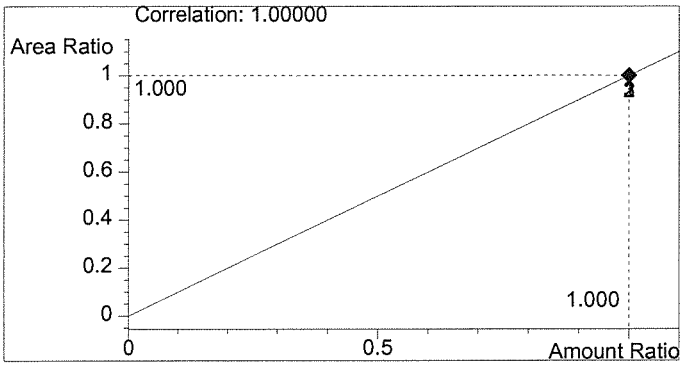


#	Compound	Area	RT
1	Ethanol	1509	1.040
2	n-Propanol	3273	1.698

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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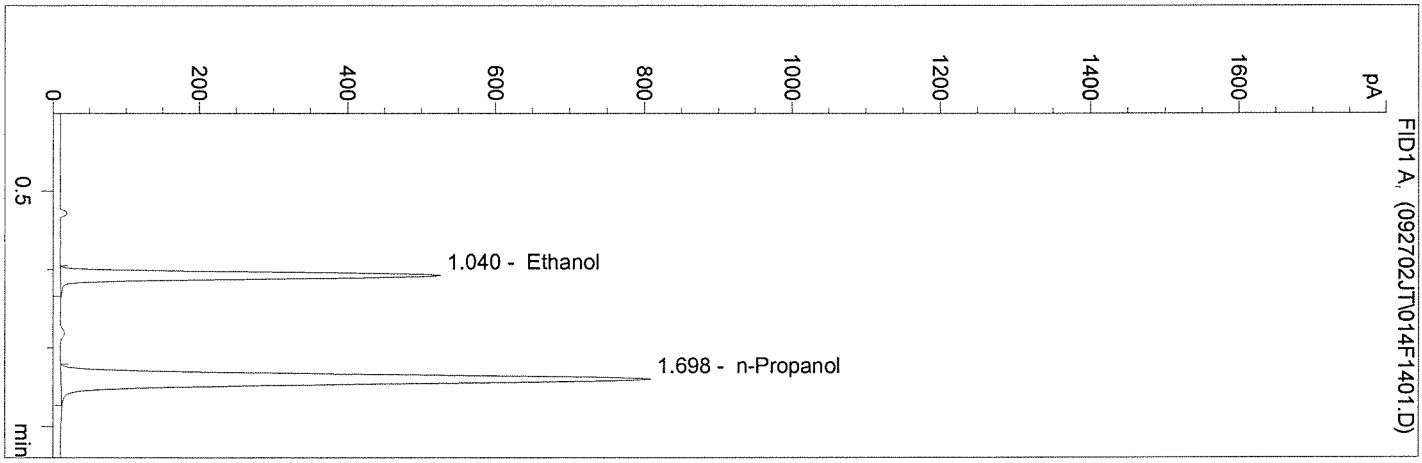
Instrument 1
-ALC1

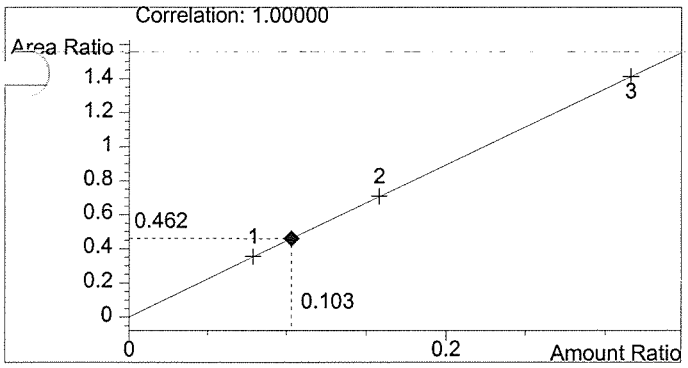
SS02034-3
Jayne E. Thatcher

vial # 14

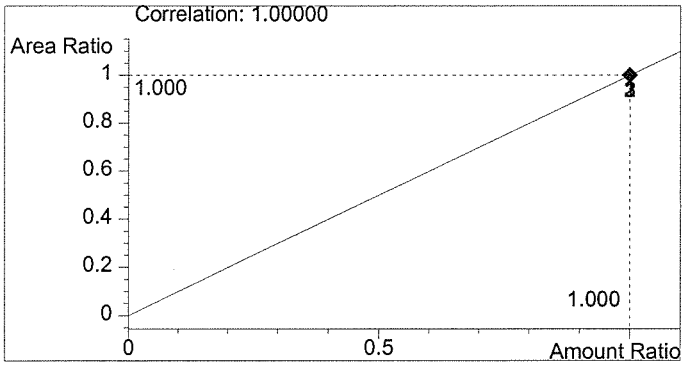


#	Compound	Area	RT
1	Ethanol	1535	1.040
2	n-Propanol	3325	1.698

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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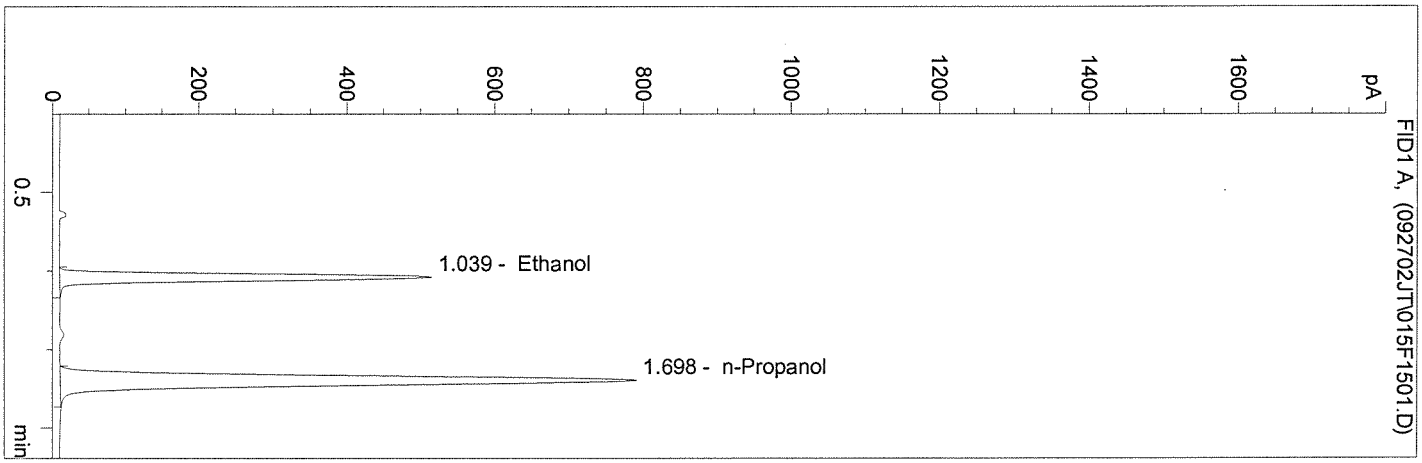
Instrument 1
-ALC1

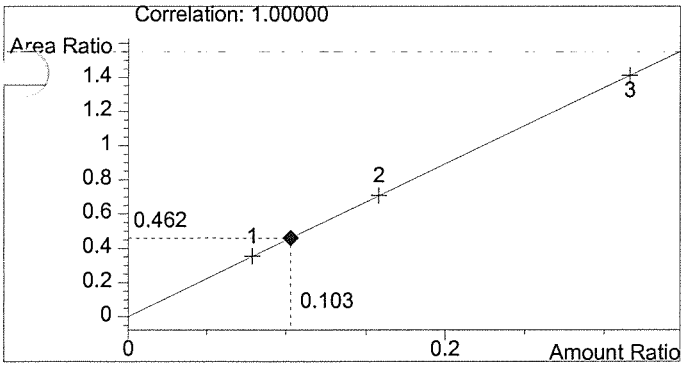
SS02034-4
Jayne E. Thatcher

vial # 15

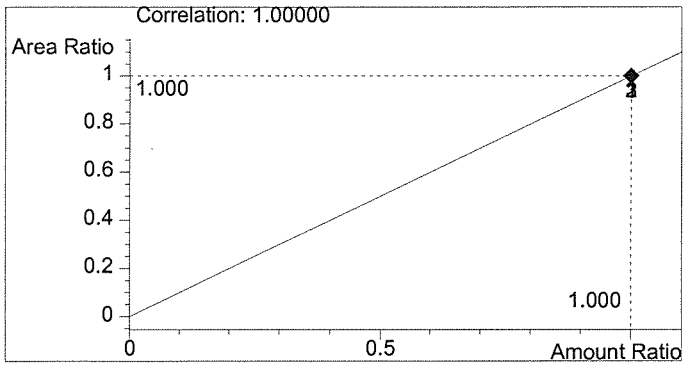


#	Compound	Area	RT
1	Ethanol	1500	1.039
2	n-Propanol	3250	1.698

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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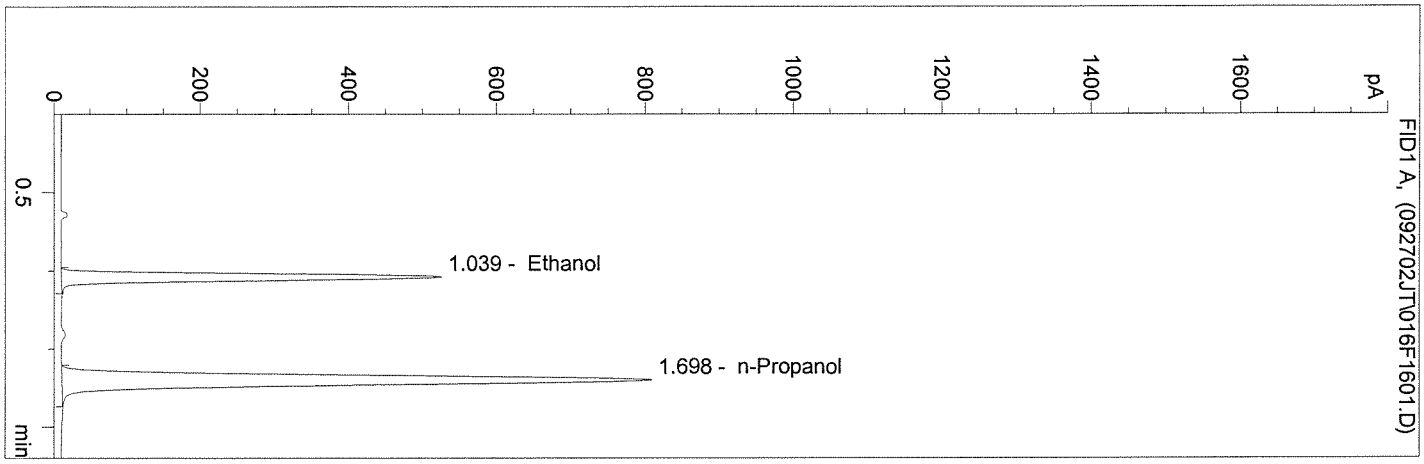
9/27/02 9:06:47 AM
Instrument 1
-ALC1

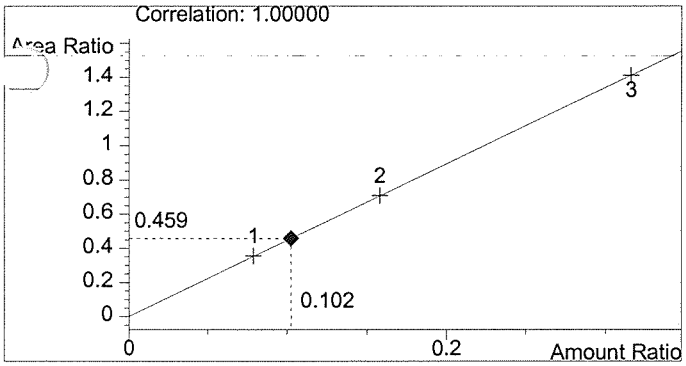
SS02034-5
Jayne E. Thatcher

vial # 16

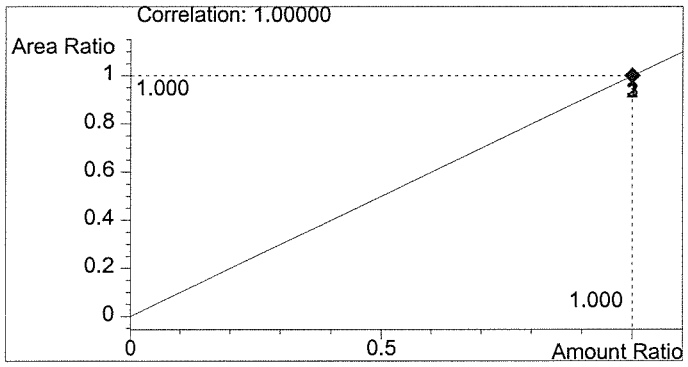


#	Compound	Area	RT
1	Ethanol	1528	1.039
2	n-Propanol	3327	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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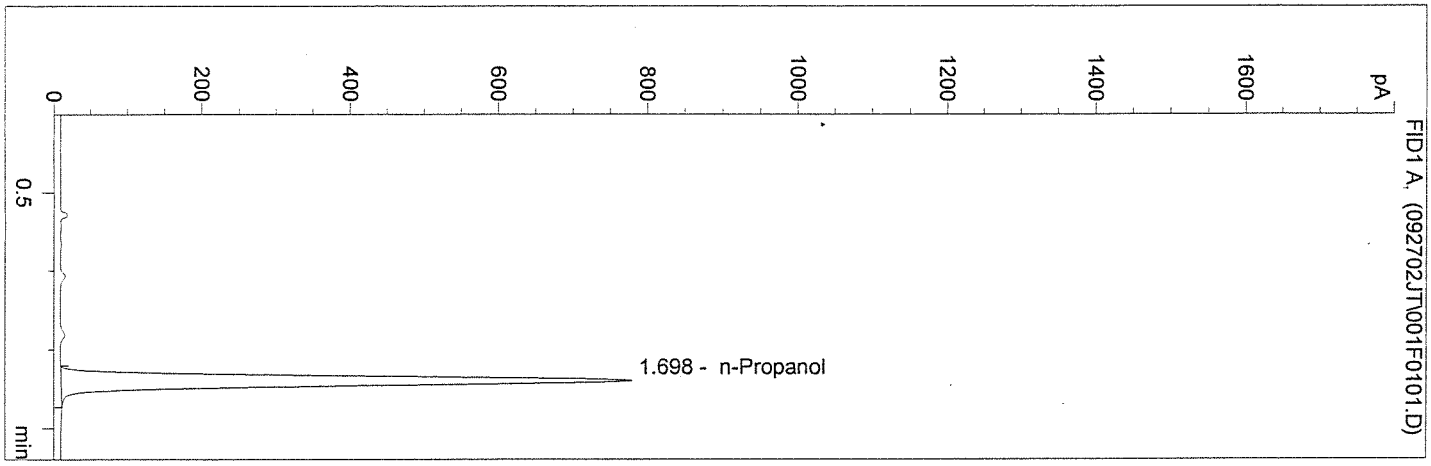
9/27/02 8:23:33 AM
Instrument 1
-ALC1

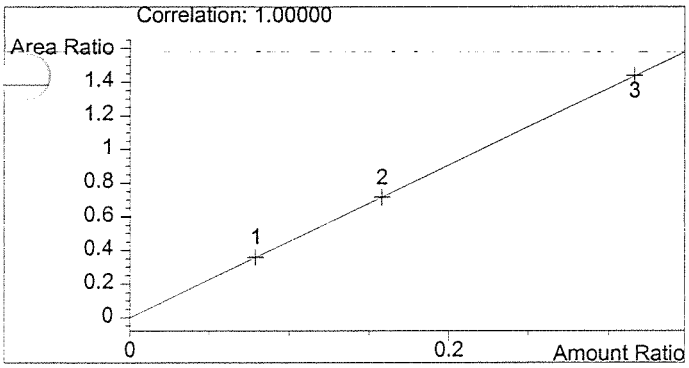
BLANK
Jayne E. Thatcher

vial # 1

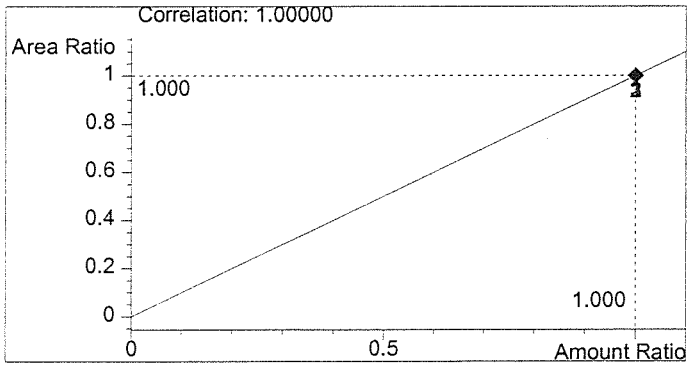


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3197	1.698

Totals:



Ethanol 0.000 g/100ml



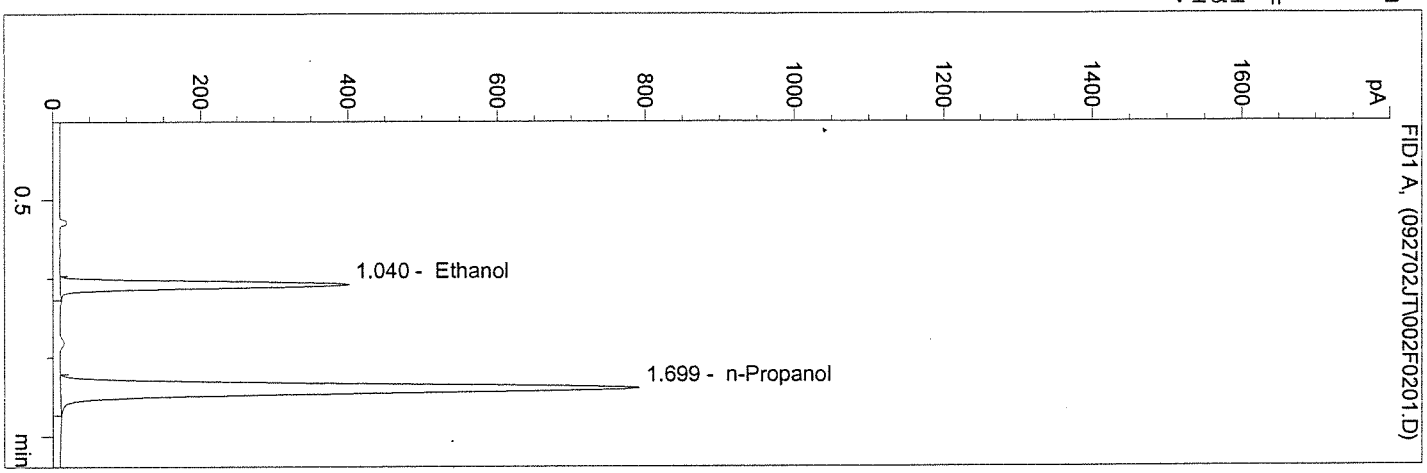
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/27/02 8:26:19 AM
Instrument 1
DALC1

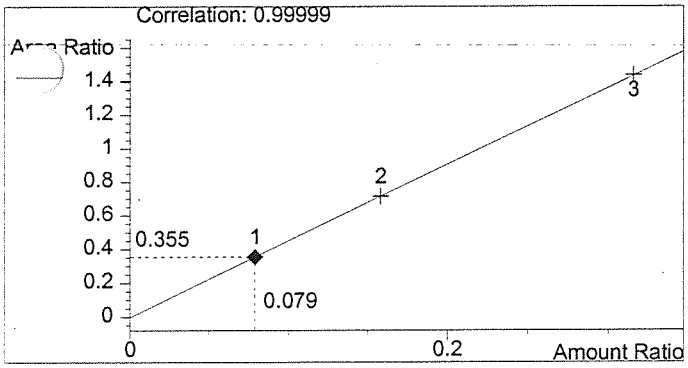
0.079 CAL
Jayne E. Thatcher

vial # 2

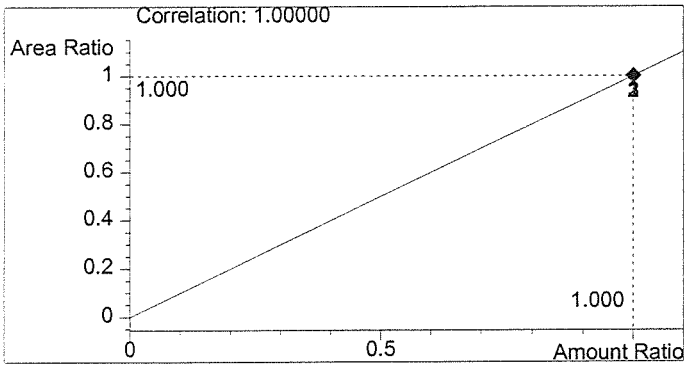


#	Compound	Area	RT
1	Ethanol	1157	1.040
2	n-Propanol	3257	1.699

Totals:



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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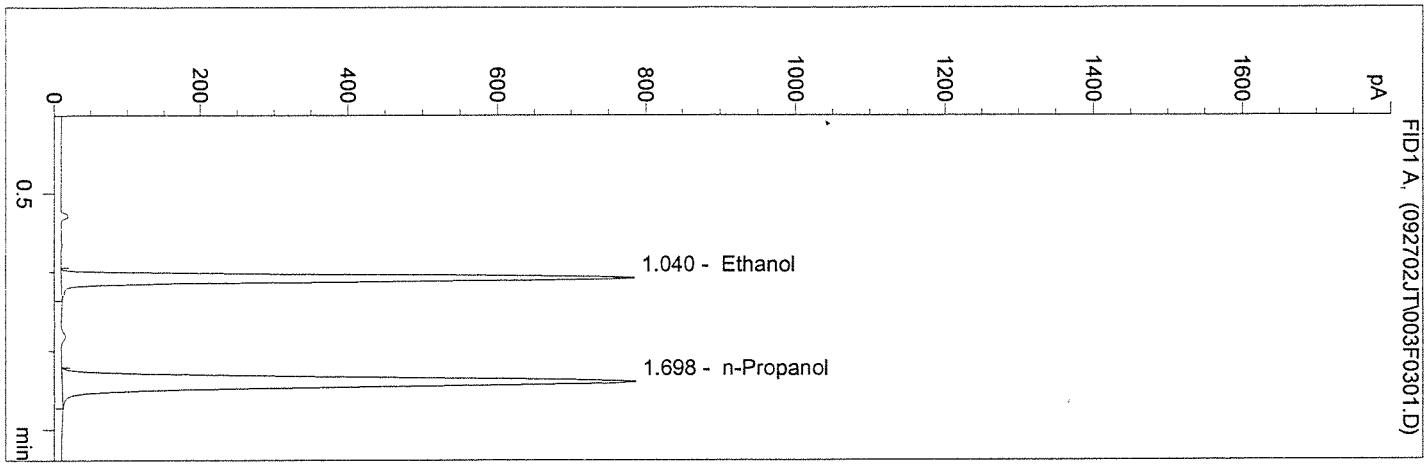
9/27/02 8:28:58 AM
Instrument 1
I ALC1

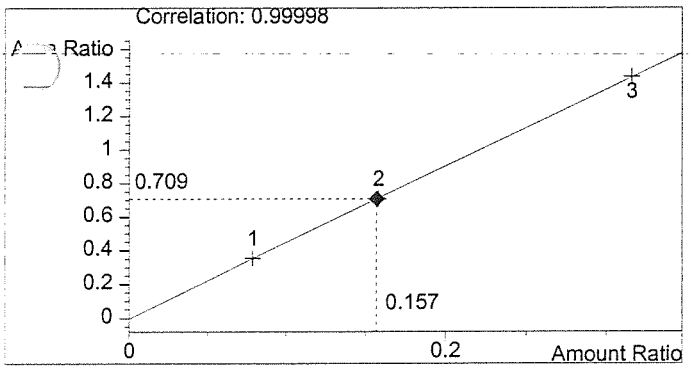
0.158 CAL
Jayne E. Thatcher

vial # 3

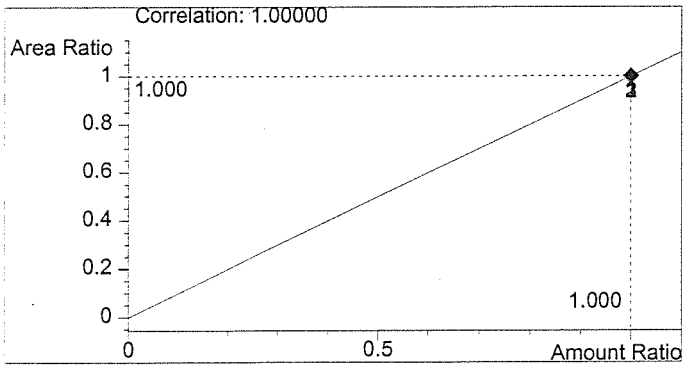


#	Compound	Area	RT
1	Ethanol	2297	1.040
2	n-Propanol	3238	1.698

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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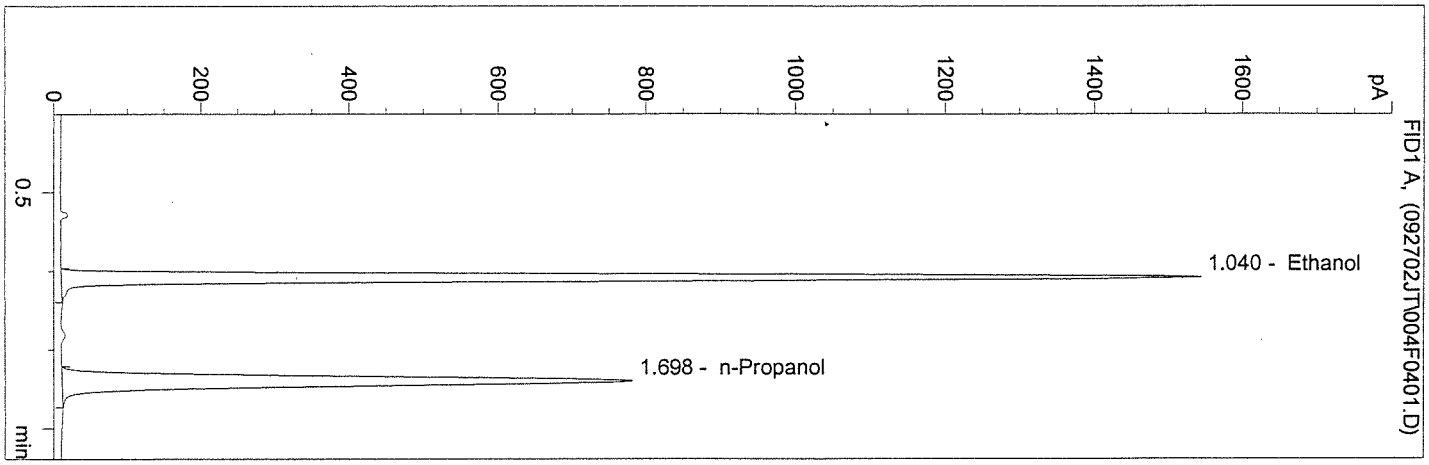
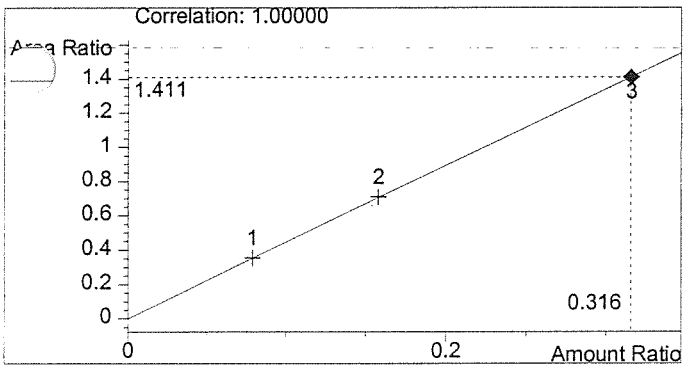
9/27/02 8:31:45 AM
Instrument 1
ALC1

0.316 CAL
Jayne E. Thatcher

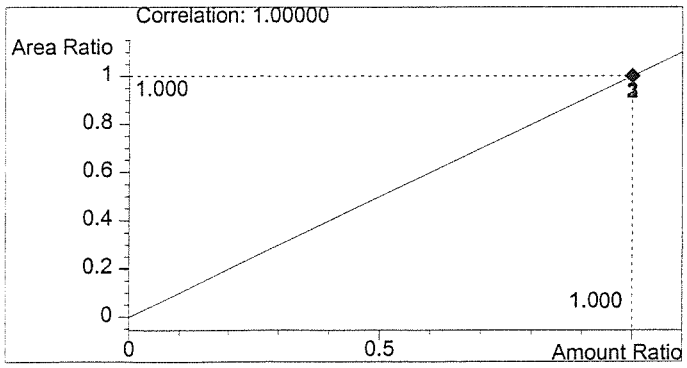
vial # 4



#	Compound	Area	RT
1	Ethanol	4532	1.040
2	n-Propanol	3211	1.698
Totals:			



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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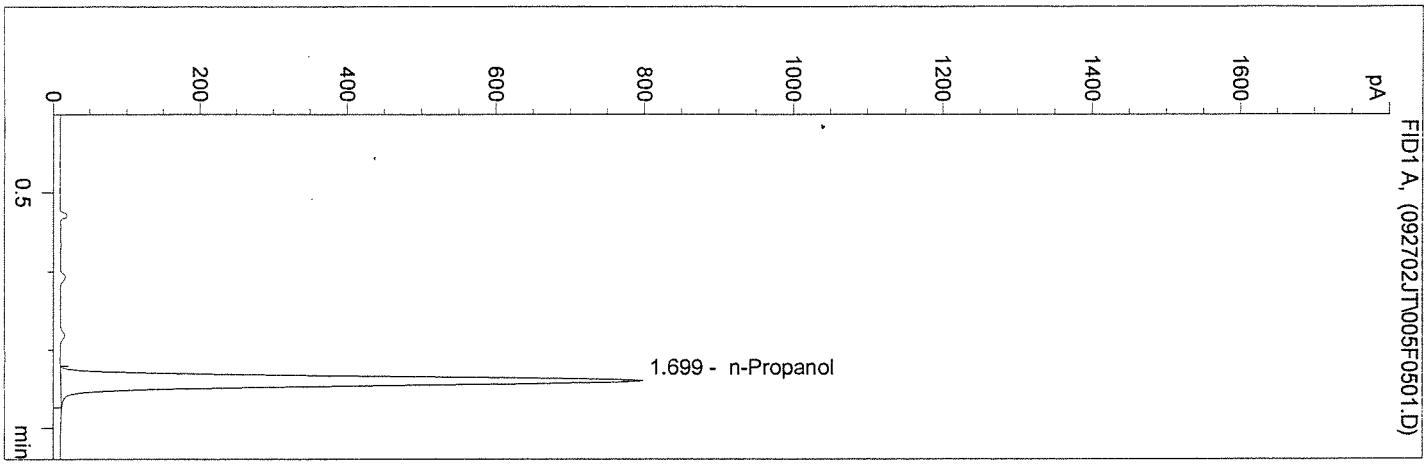
Instrument 1
ALC1

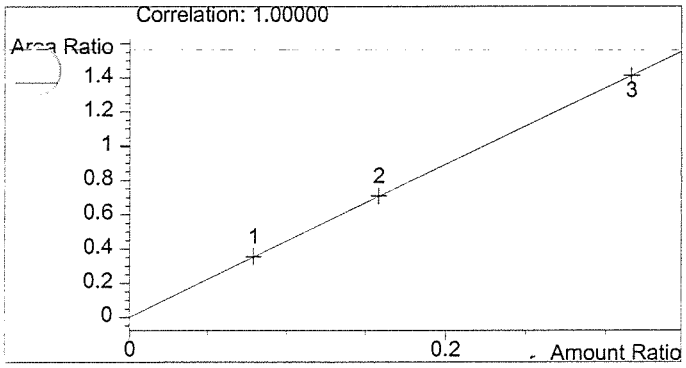
BLANK
Jayne E. Thatcher

vial # 5

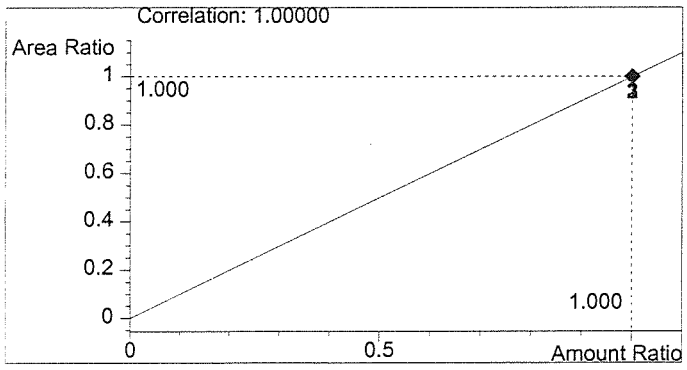


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3278	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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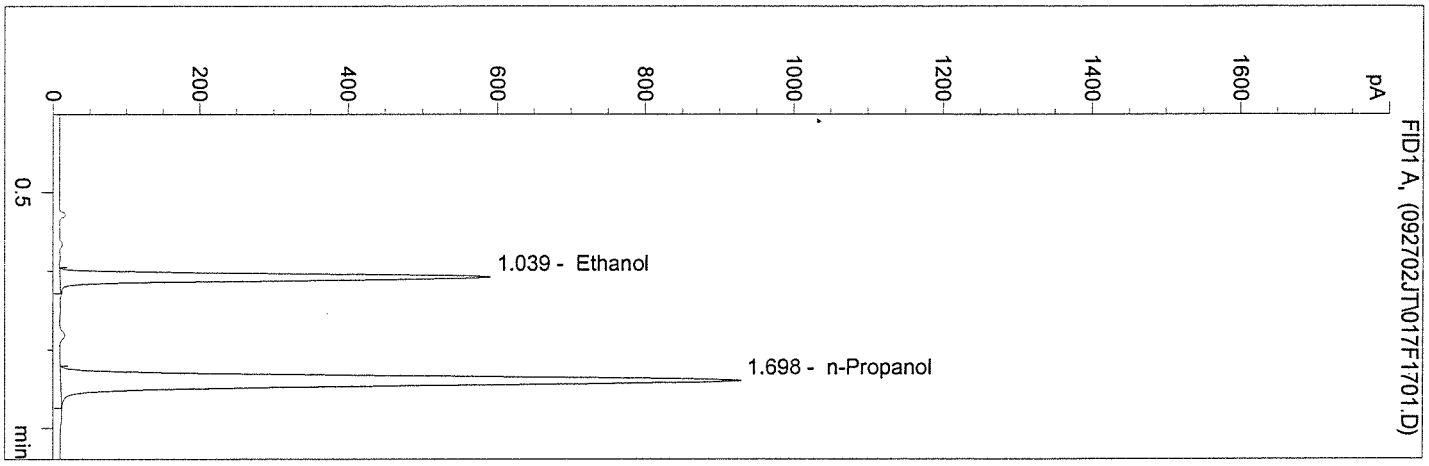
9/27/02 10:29:08 AM
Instrument 1
-ALC1

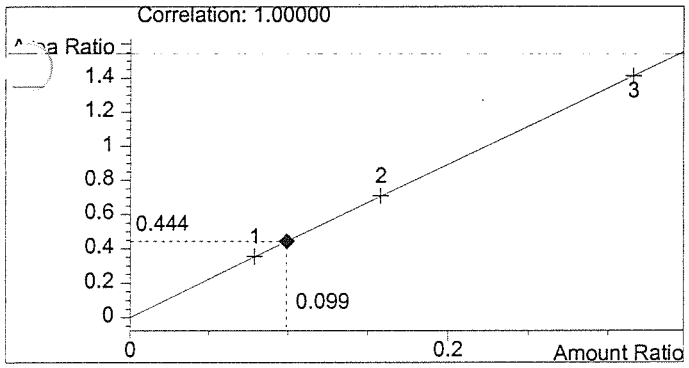
0.10 CONTROL
Jayne E. Thatcher

vial # 17

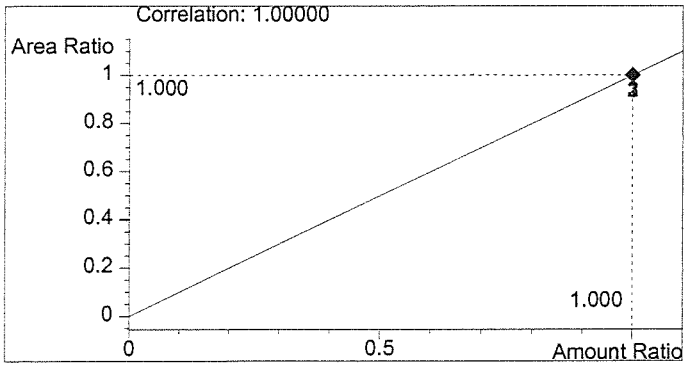


#	Compound	Area	RT
1	Ethanol	1693	1.039
2	n-Propanol	3810	1.698

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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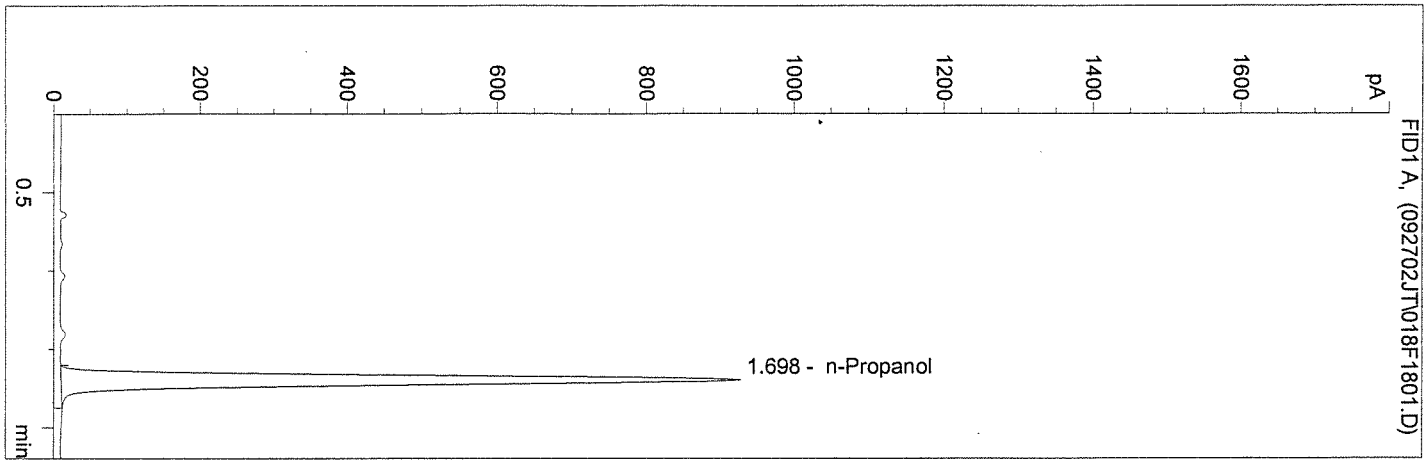
Instrument 1
-ALC1

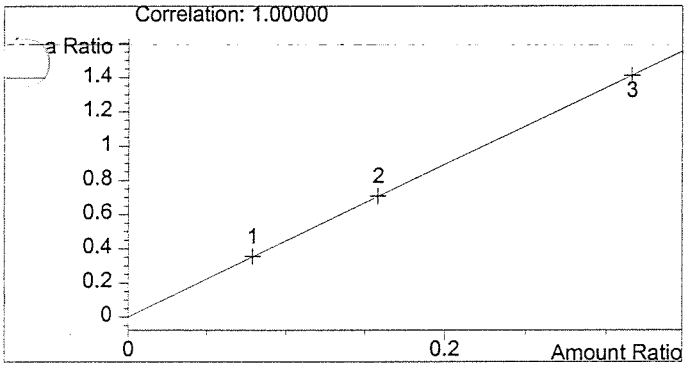
BLANK
Jayne E. Thatcher

vial # 18

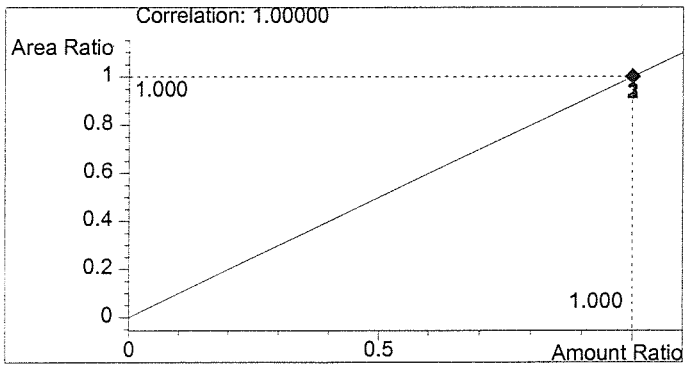


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3803	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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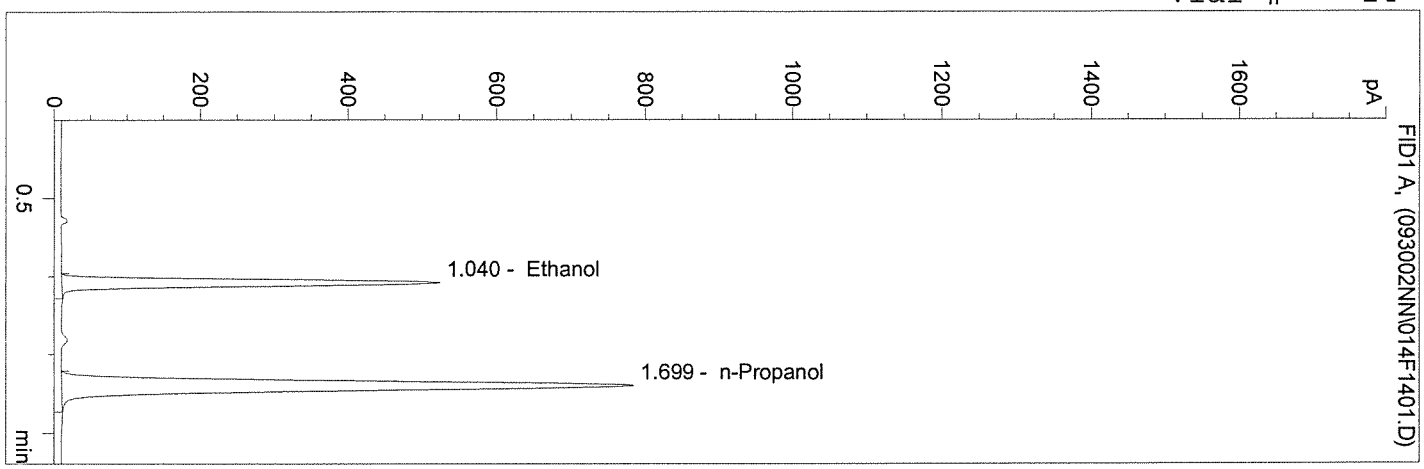
9/30/02 1:56:54 PM
Instrument 1
ALC1

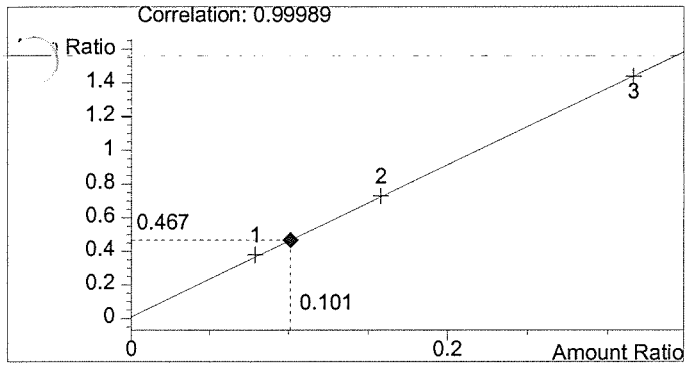
02034-1 SIM
Naziha Nuwayhid, PhD

vial # 14

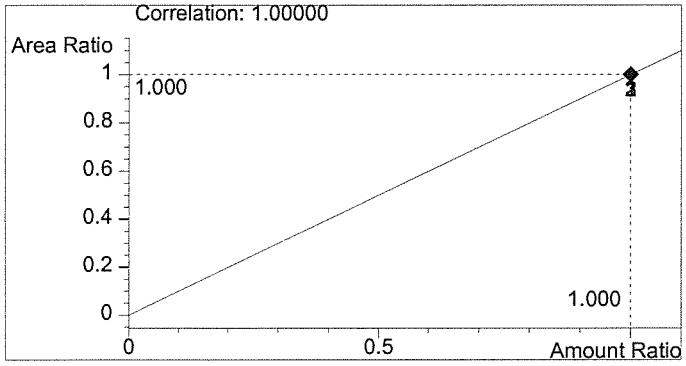


#	Compound	Area	RT
1	Ethanol	1505	1.040
2	n-Propanol	3221	1.699

Totals:



Ethanol 0.101 g/100ml



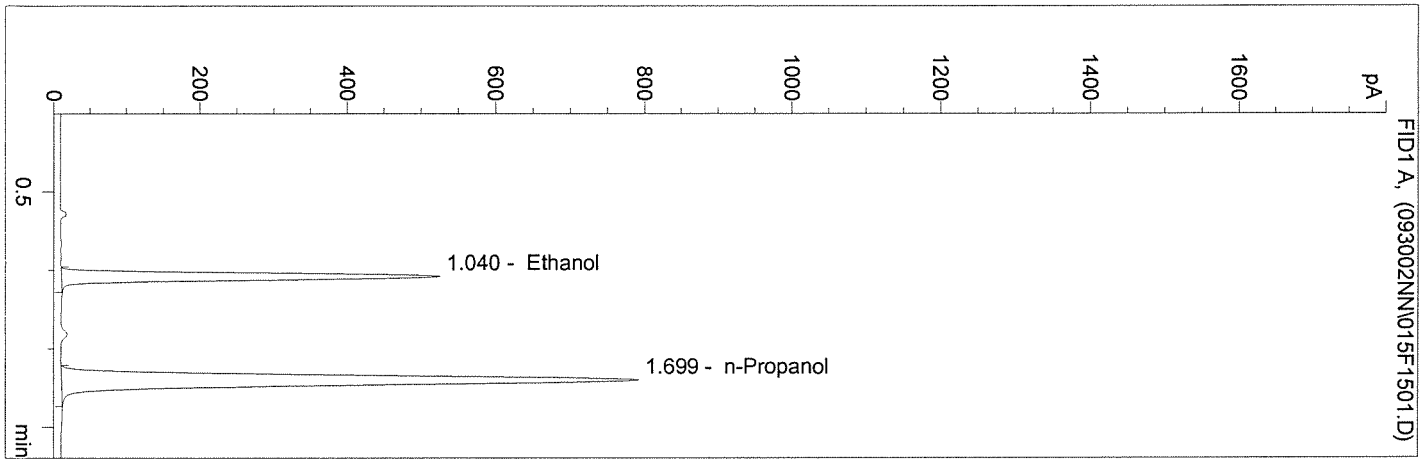
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/30/02 1:59:56 PM
Instrument 1
ALC1

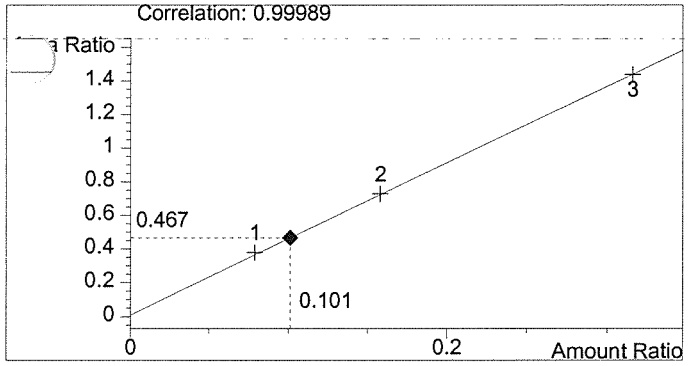
02034-2 SIM
Naziha Nuwayhid, PhD

vial # 15

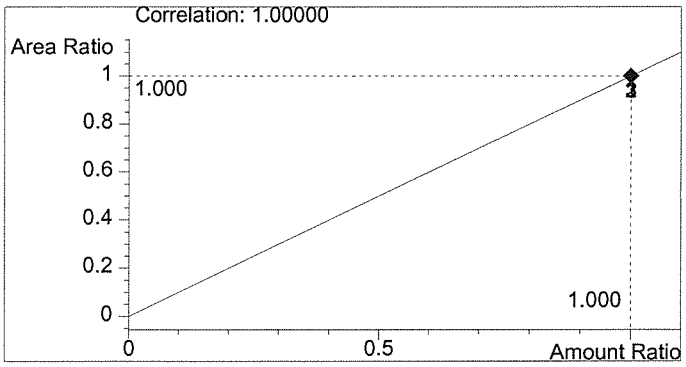


#	Compound	Area	RT
1	Ethanol	1522	1.040
2	n-Propanol	3258	1.699

Totals:



Ethanol 0.101 g/100ml



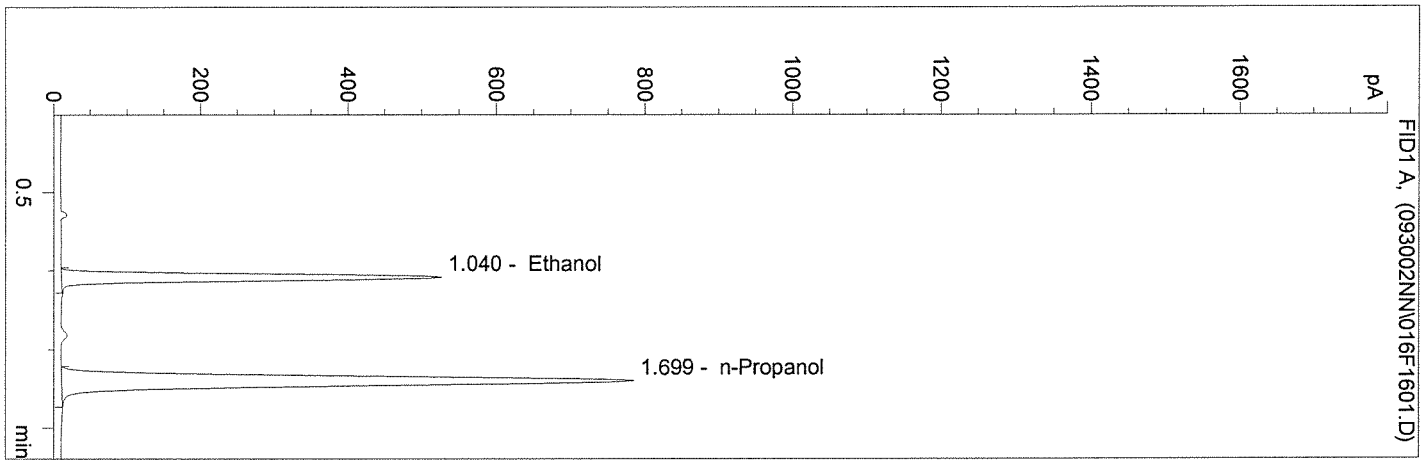
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/30/02 2:02:58 PM
Instrument 1
ALC1

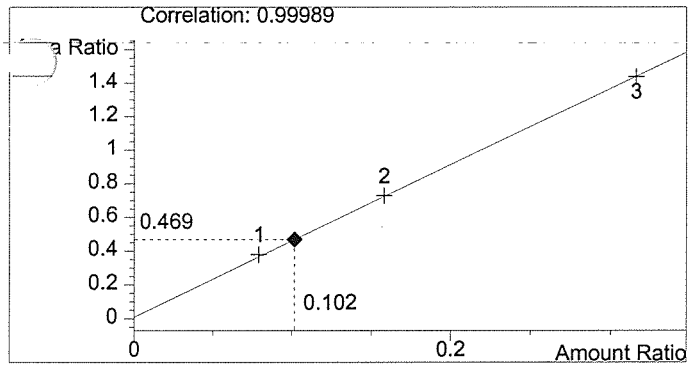
02034-3 SIM
Naziha Nuwayhid, PhD

vial # 16

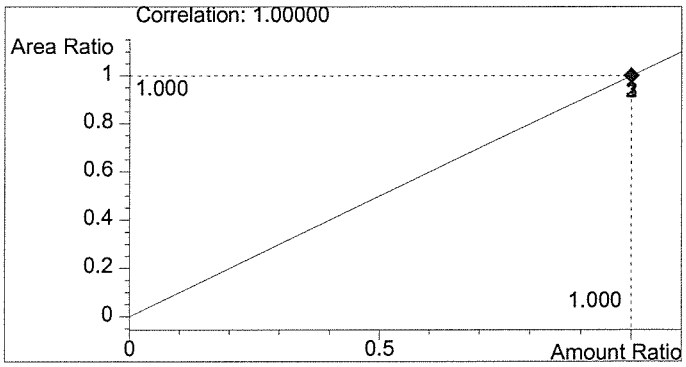


#	Compound	Area	RT
1	Ethanol	1512	1.040
2	n-Propanol	3222	1.699

Totals:



Ethanol 0.102 g/100ml



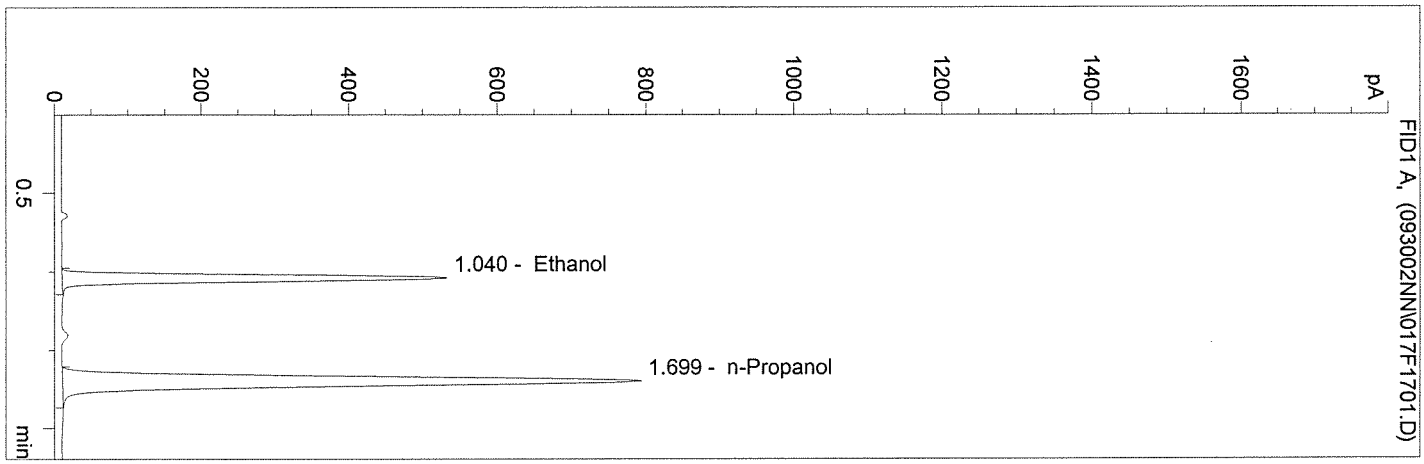
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/30/02 2:06:09 PM
Instrument 1
ALC1

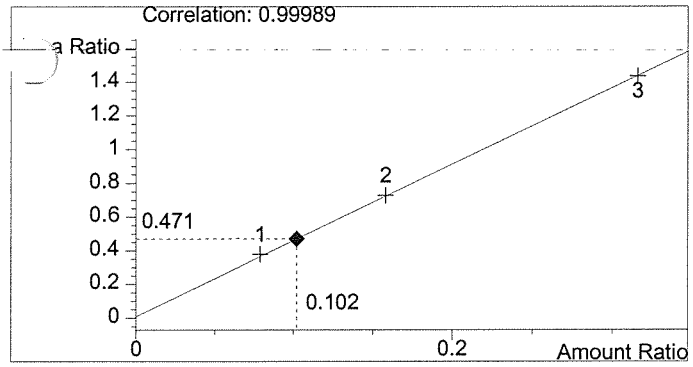
02034-4 SIM
Naziha Nuwayhid, PhD

vial # 17

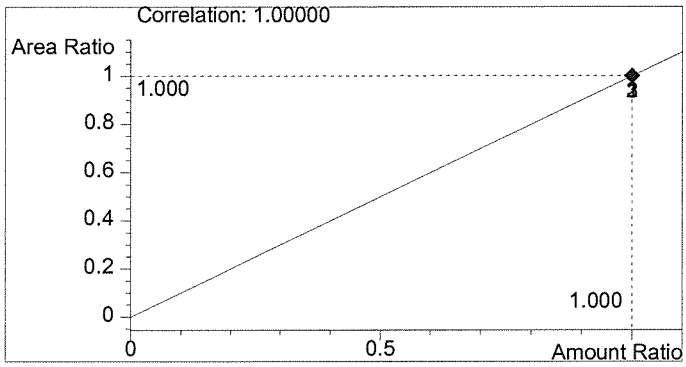


#	Compound	Area	RT
1	Ethanol	1532	1.040
2	n-Propanol	3252	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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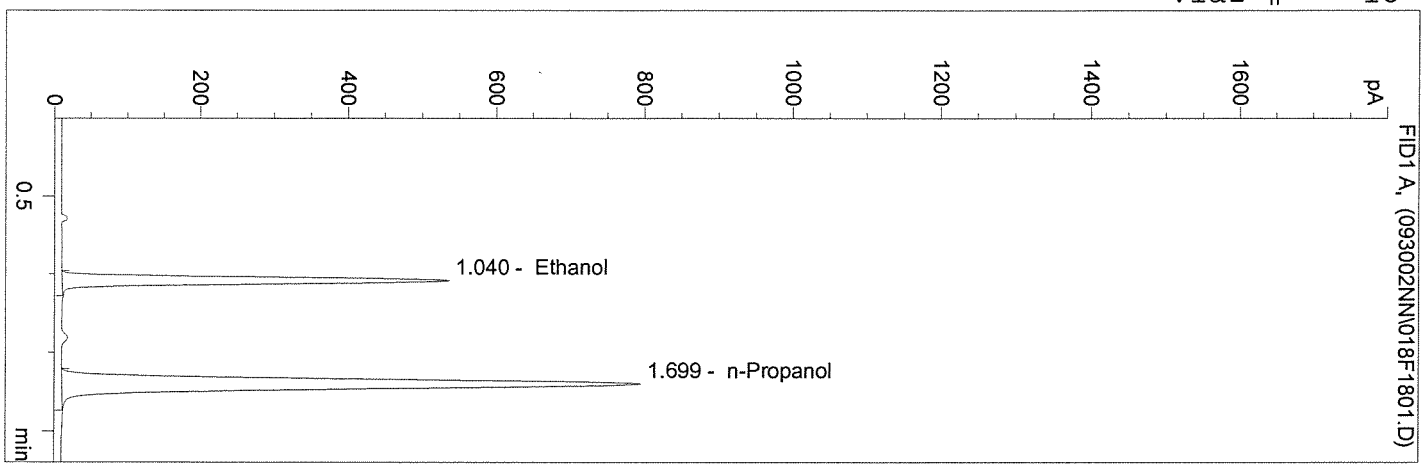
9/30/02 2:09:11 PM
Instrument 1
-ALC1

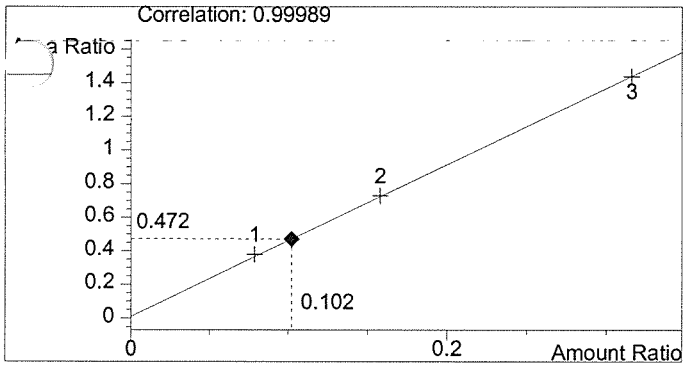
02034-5 SIM
Naziha Nuwayhid, PhD

vial # 18

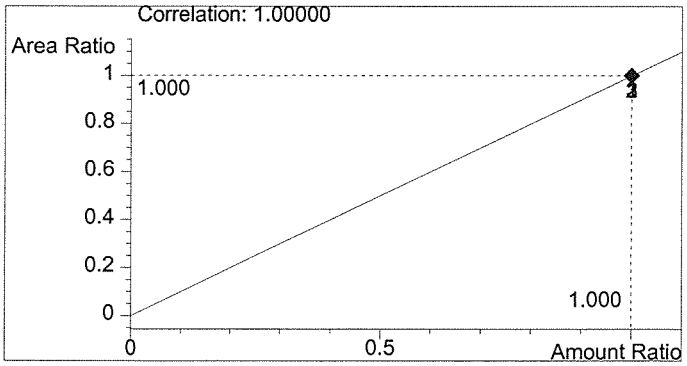


#	Compound	Area	RT
1	Ethanol	1539	1.040
2	n-Propanol	3261	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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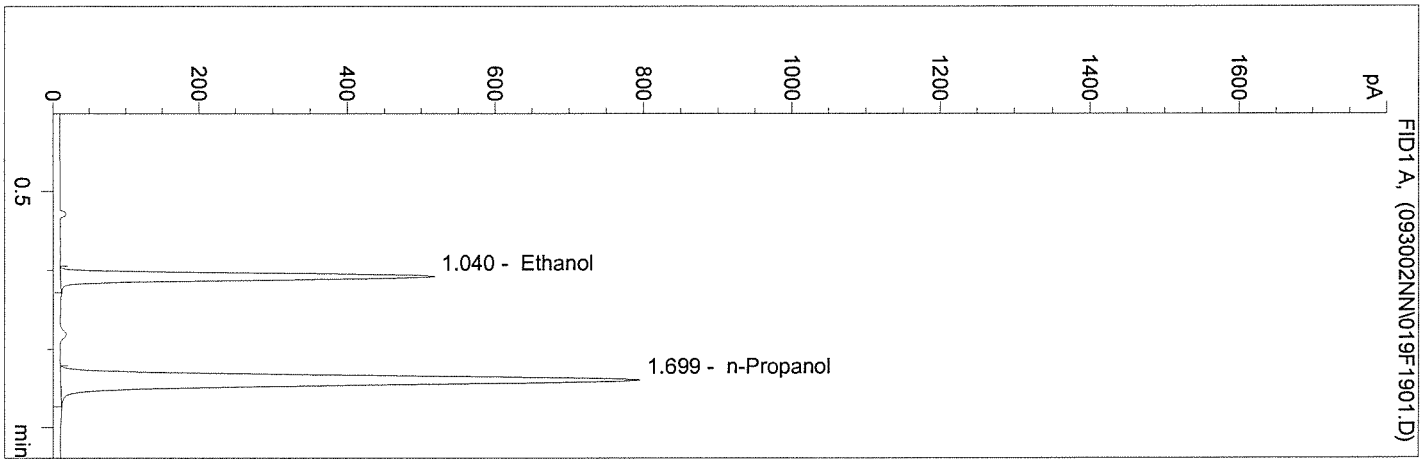
Instrument 1
-ALC1

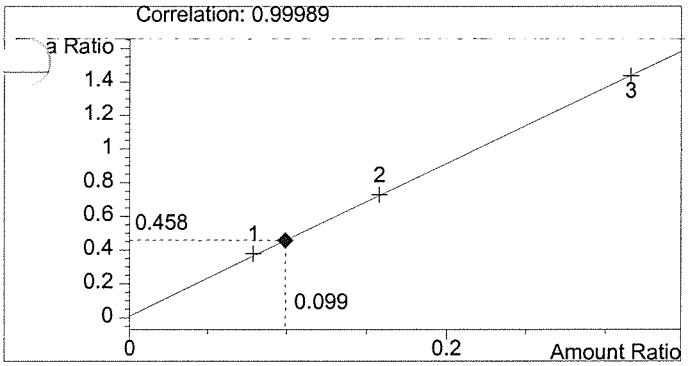
0.100 CTRL
Naziha Nuwayhid, PhD

vial # 19

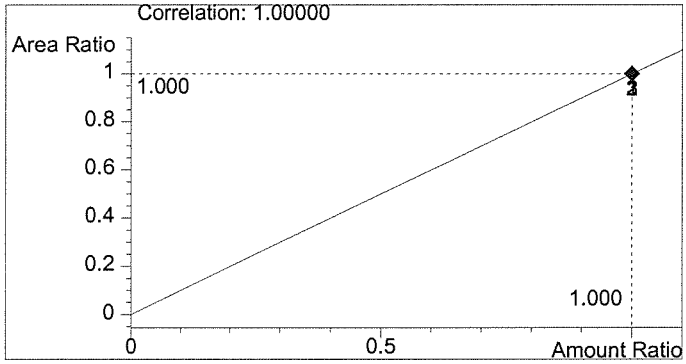


#	Compound	Area	RT
1	Ethanol	1496	1.040
2	n-Propanol	3265	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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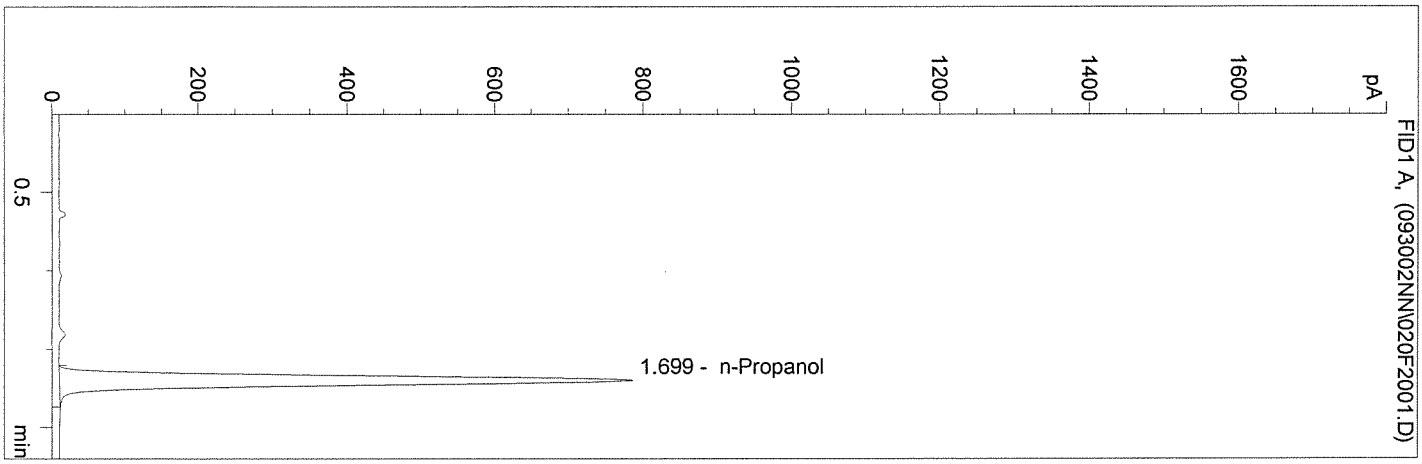
Instrument 1
-ALC1

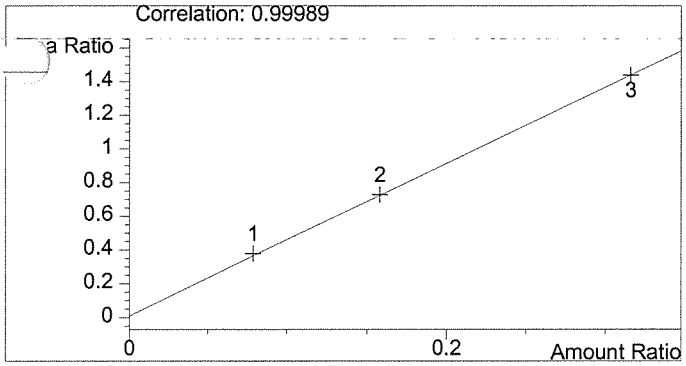
Blank
Naziha Nuwayhid, PhD

vial # 20

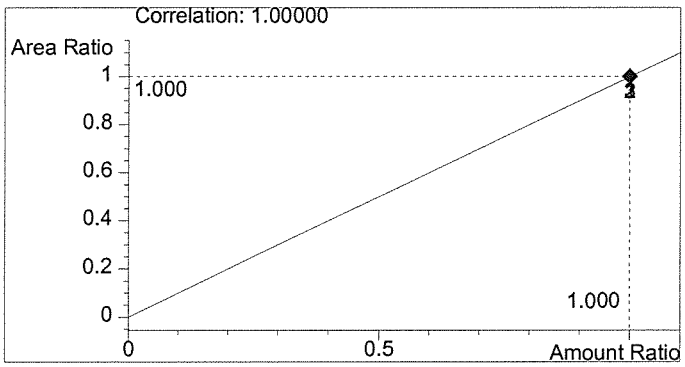


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3222	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY Cal in 025823

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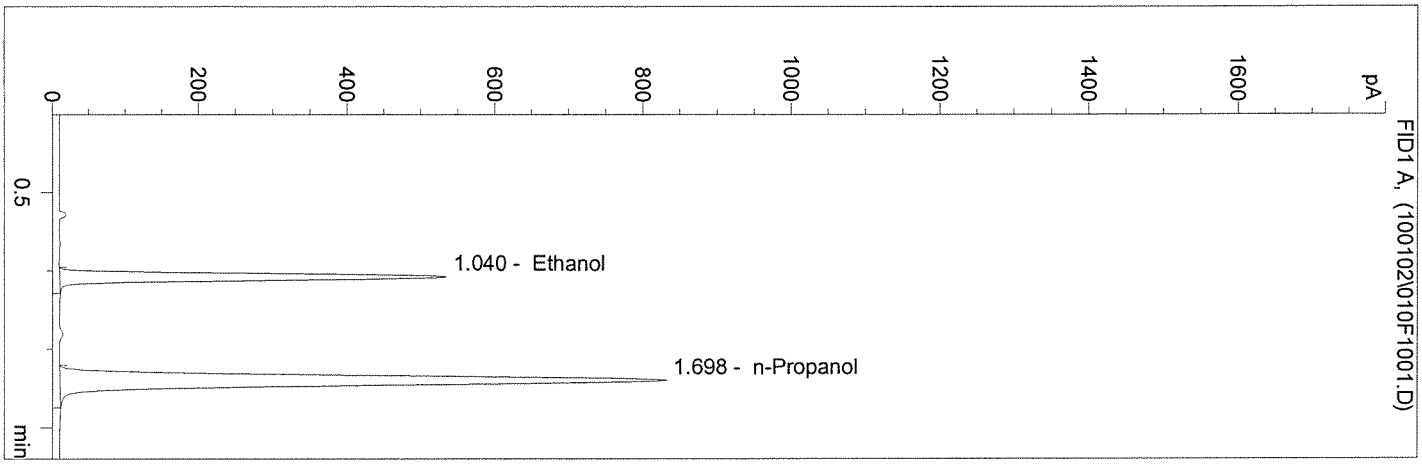
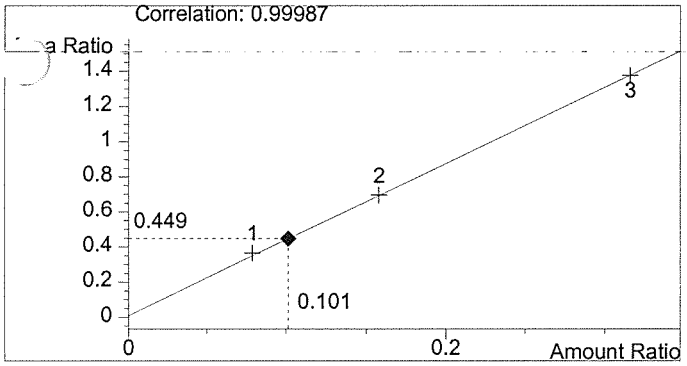
Instrument 1
-ALC1

02034 SIM SOL
RUTH LUTHI

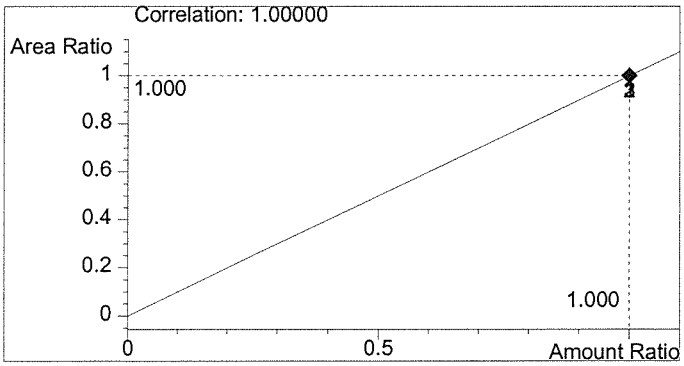
vial # 10



#	Compound	Area	RT
1	Ethanol	1536	1.040
2	n-Propanol	3425	1.698
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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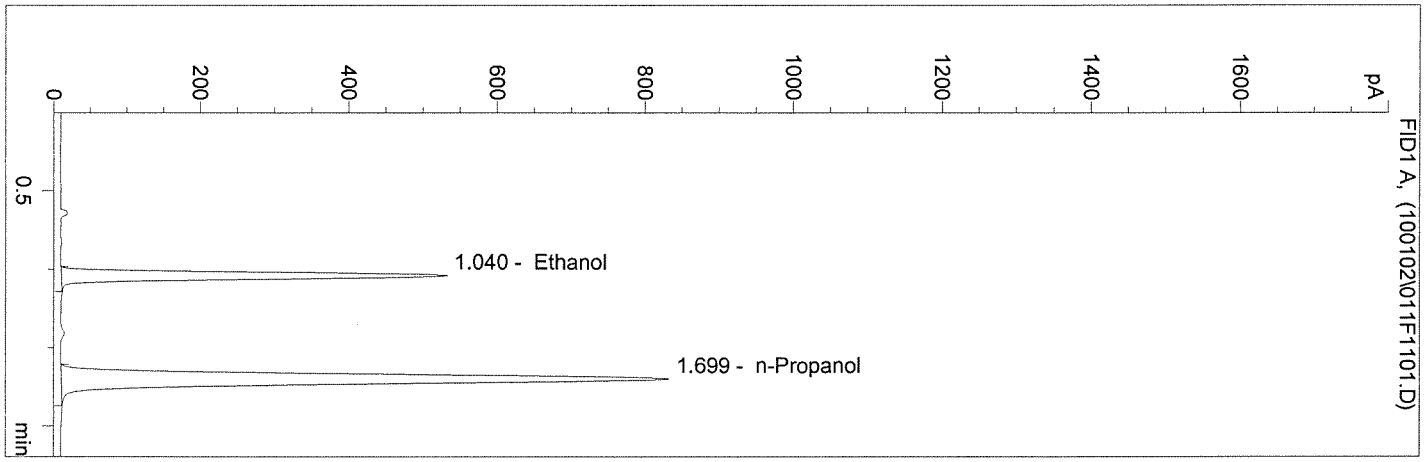
Instrument 1
-ALC1

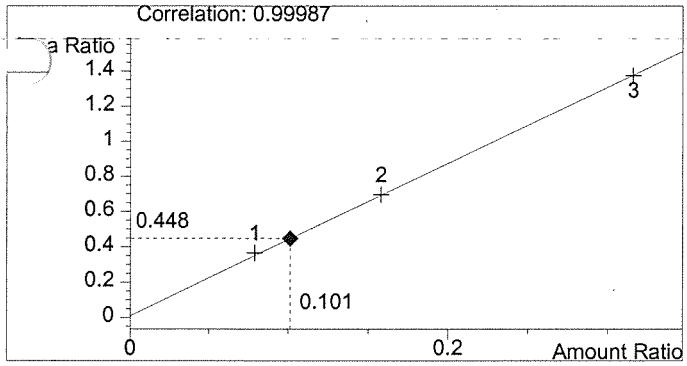
02034 SIM SOL
RUTH LUTHI

vial # 11

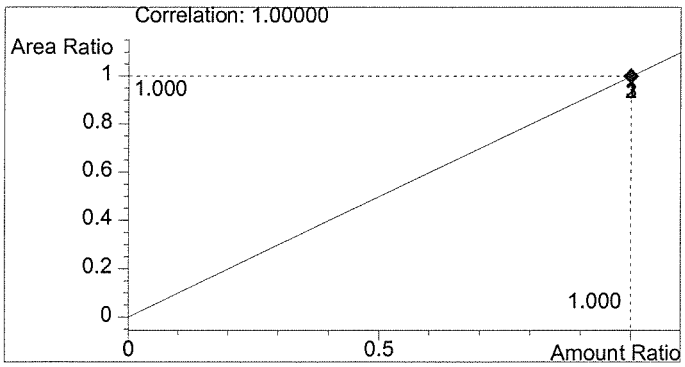


#	Compound	Area	RT
1	Ethanol	1535	1.040
2	n-Propanol	3423	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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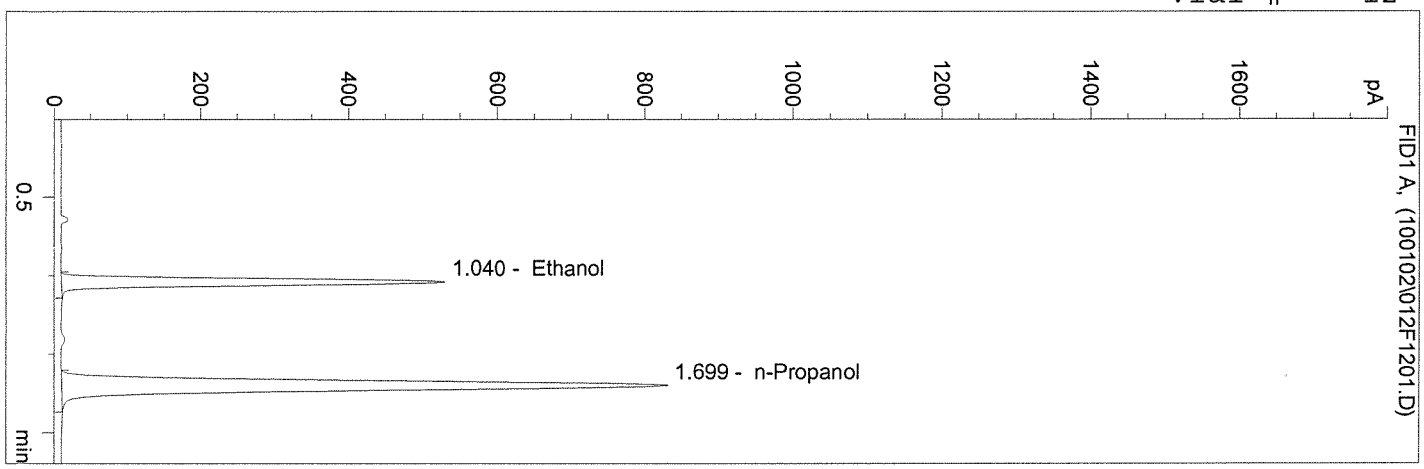
Instrument 1
ALC1

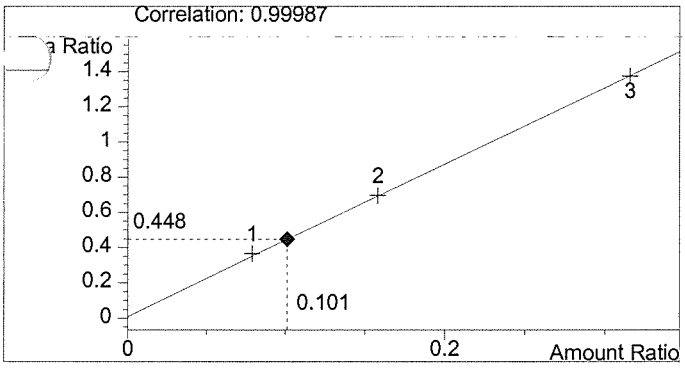
02034 SIM SOL
RUTH LUTHI

vial # 12

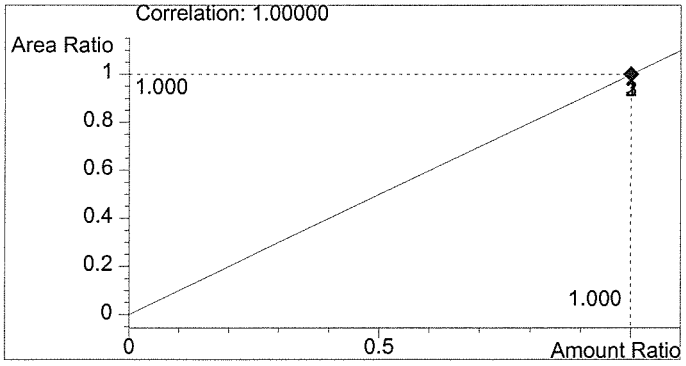


#	Compound	Area	RT
1	Ethanol	1538	1.040
2	n-Propanol	3432	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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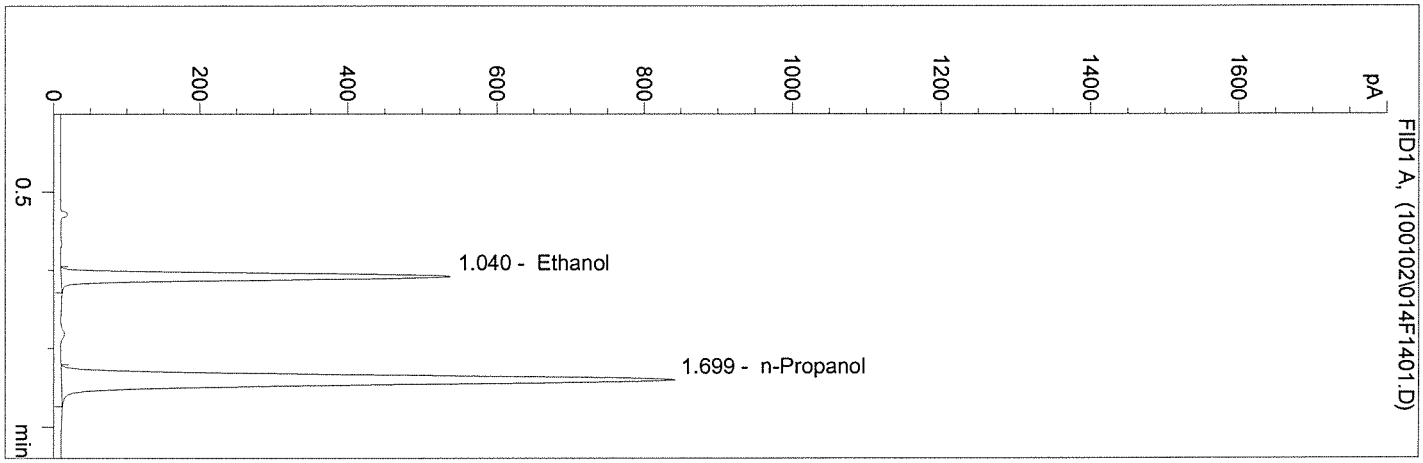
Instrument 1
ALC1

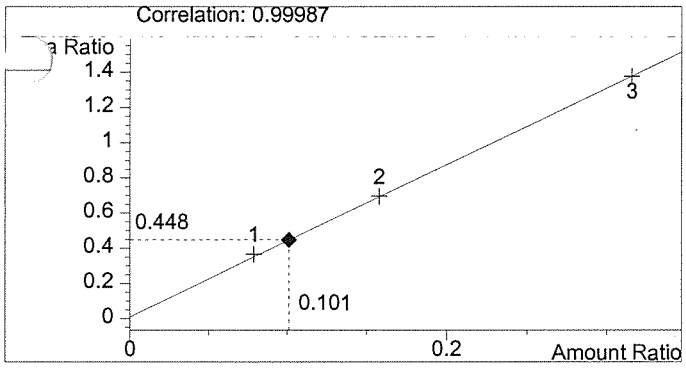
02034 SIM SOL
RUTH LUTHI

vial # 14

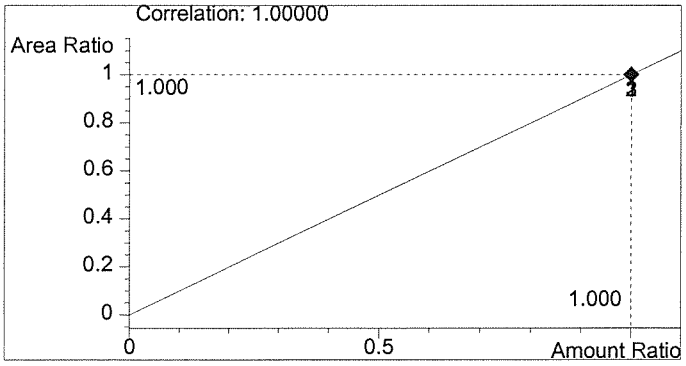


#	Compound	Area	RT
1	Ethanol	1551	1.040
2	n-Propanol	3463	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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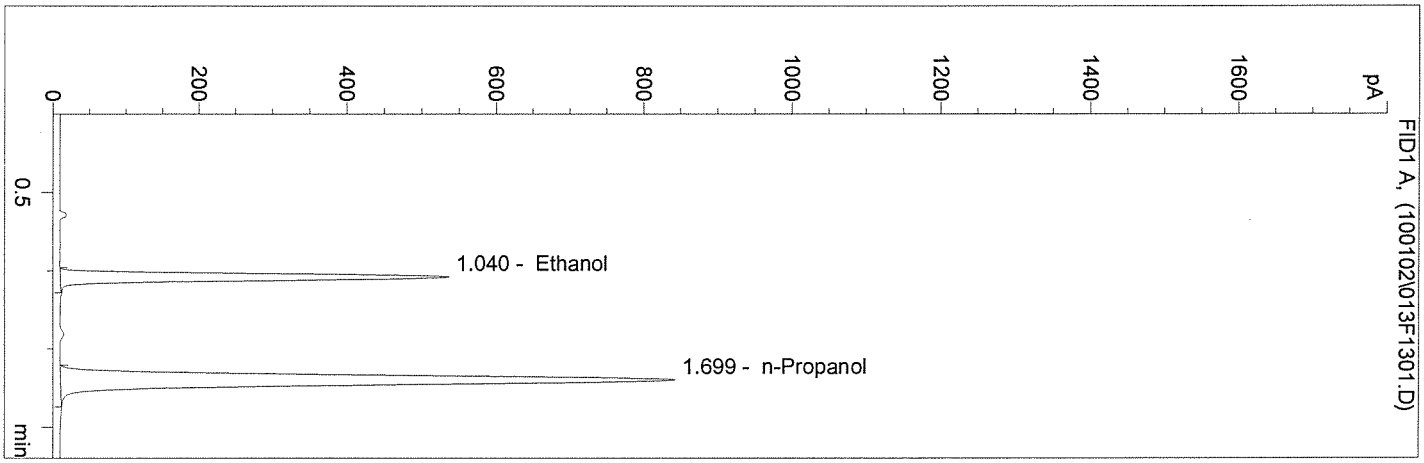
Instrument 1
-ALC1

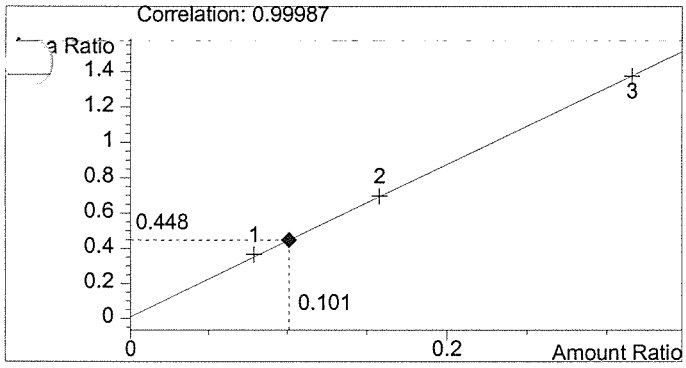
02034 SIM SOL
RUTH LUTHI

vial # 13

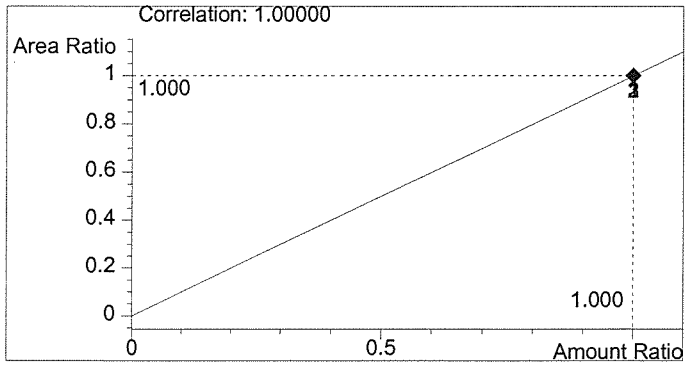


#	Compound	Area	RT
1	Ethanol	1559	1.040
2	n-Propanol	3482	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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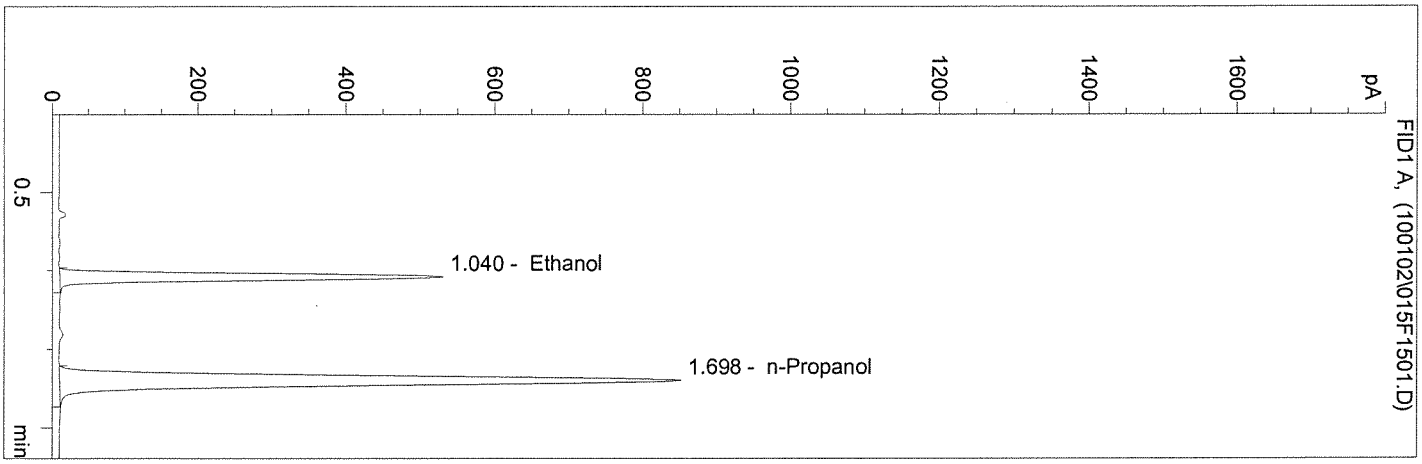
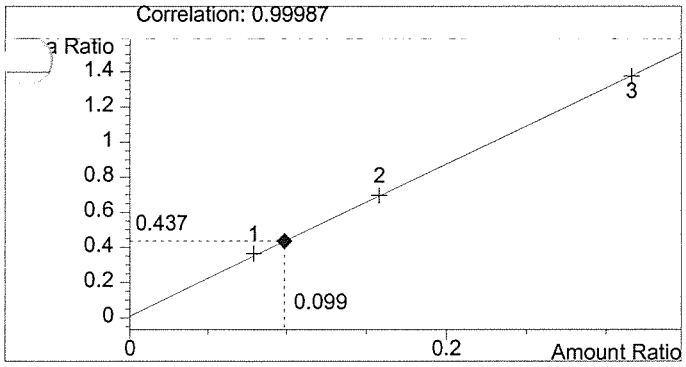
Instrument 1
-ALC1

0.100 CTRL
RUTH LUTHI

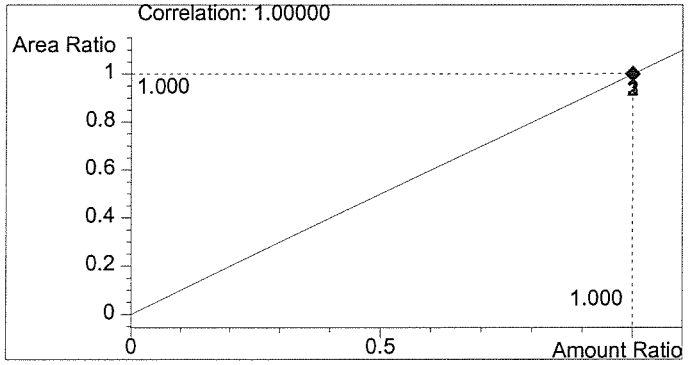
vial # 15



#	Compound	Area	RT
1	Ethanol	1533	1.040
2	n-Propanol	3509	1.698
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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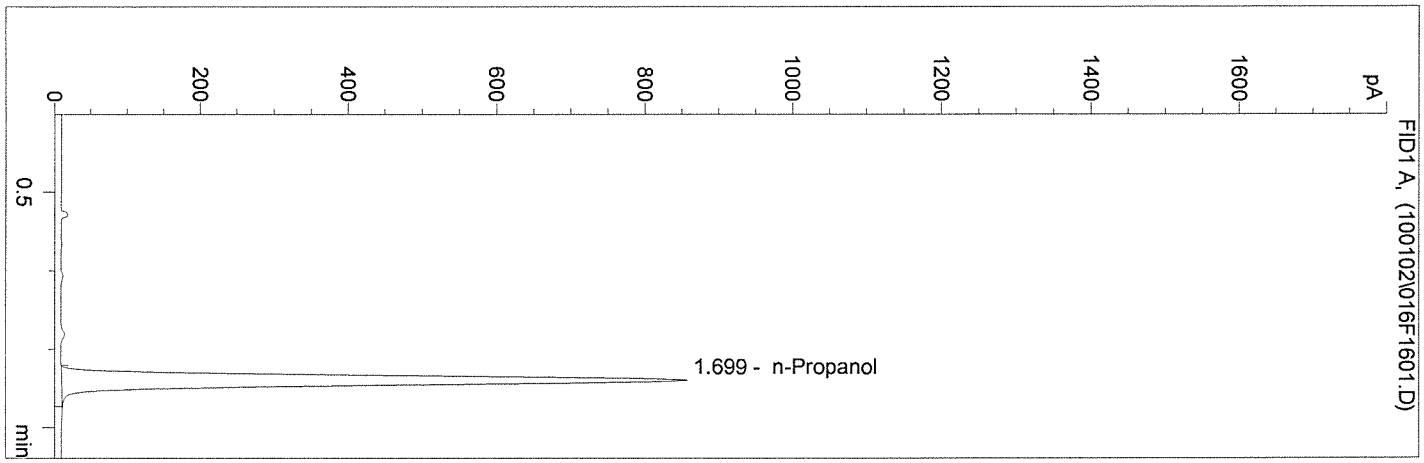
Instrument 1
-ALC1

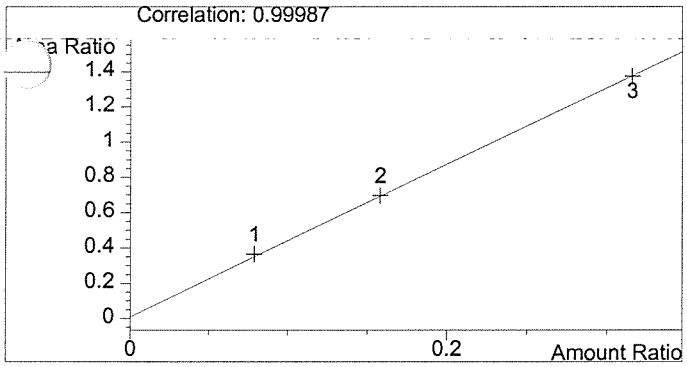
BLANK
RUTH LUTHI

vial # 16

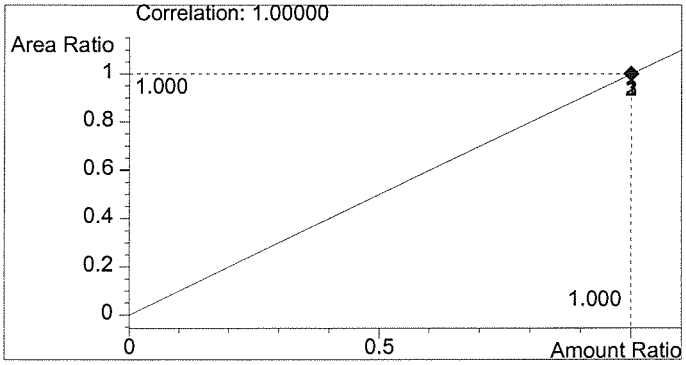


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3528	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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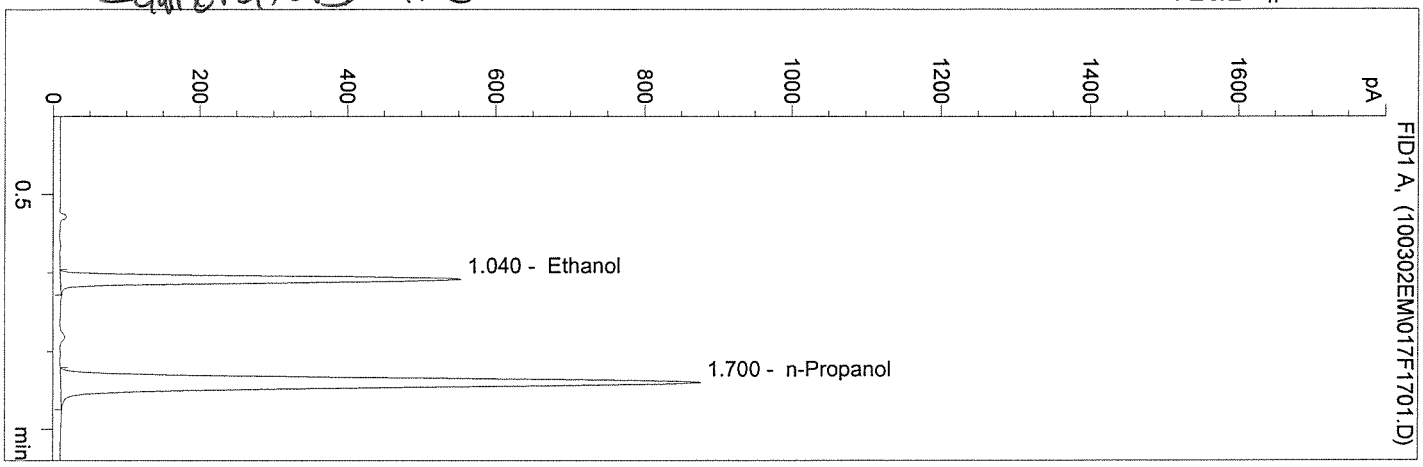
Instrument 1
-ALC1

Sim. Sol. 02034
~~WP MARSHALL~~ EM

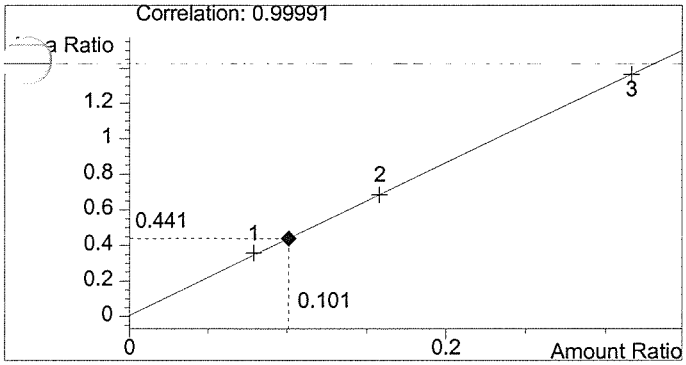
Calibrators in

vial # 17

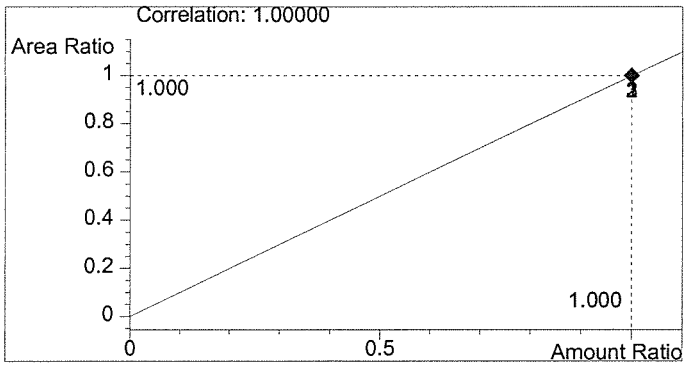


#	Compound	Area	RT
1	Ethanol	1585	1.040
2	n-Propanol	3594	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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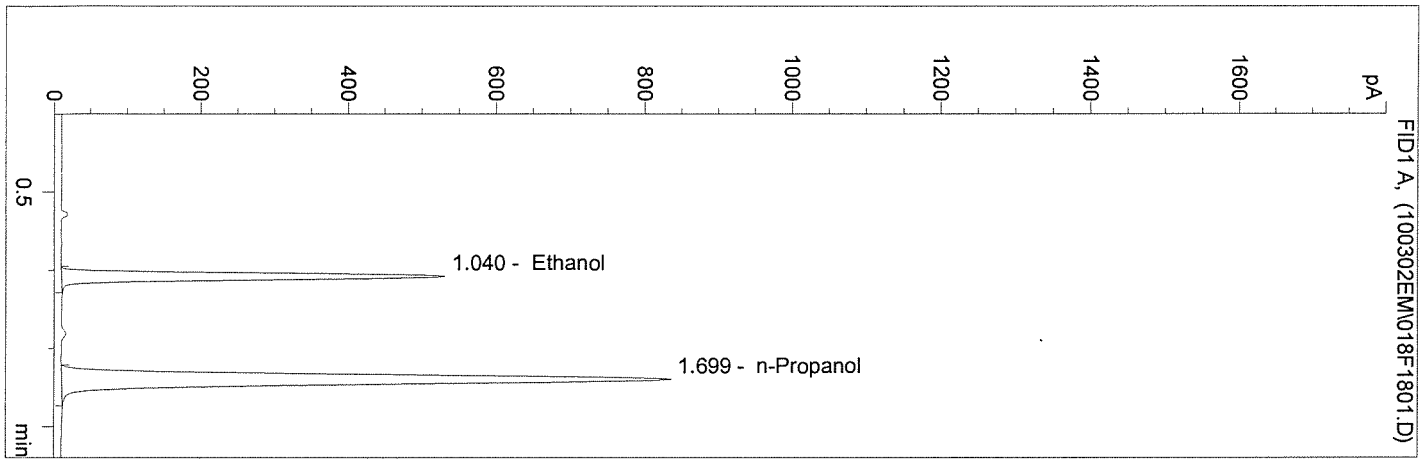
10/3/02 1:29:29 PM
Instrument 1
-ALC1

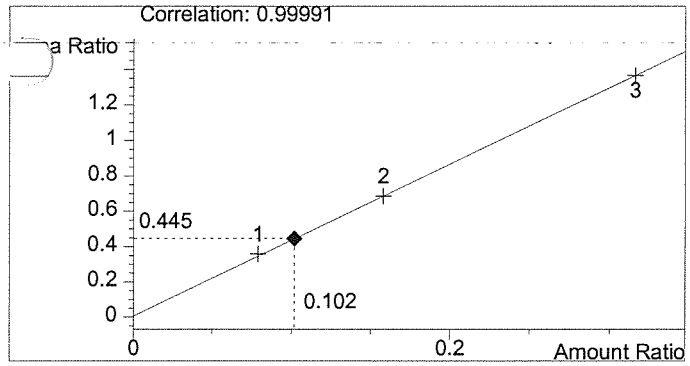
Sim. Sol. 02034
~~WP MARSHALL~~ EM

vial # 18

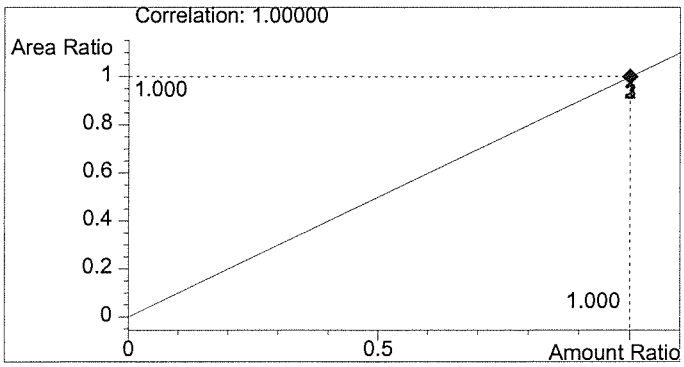


#	Compound	Area	RT
1	Ethanol	1526	1.040
2	n-Propanol	3428	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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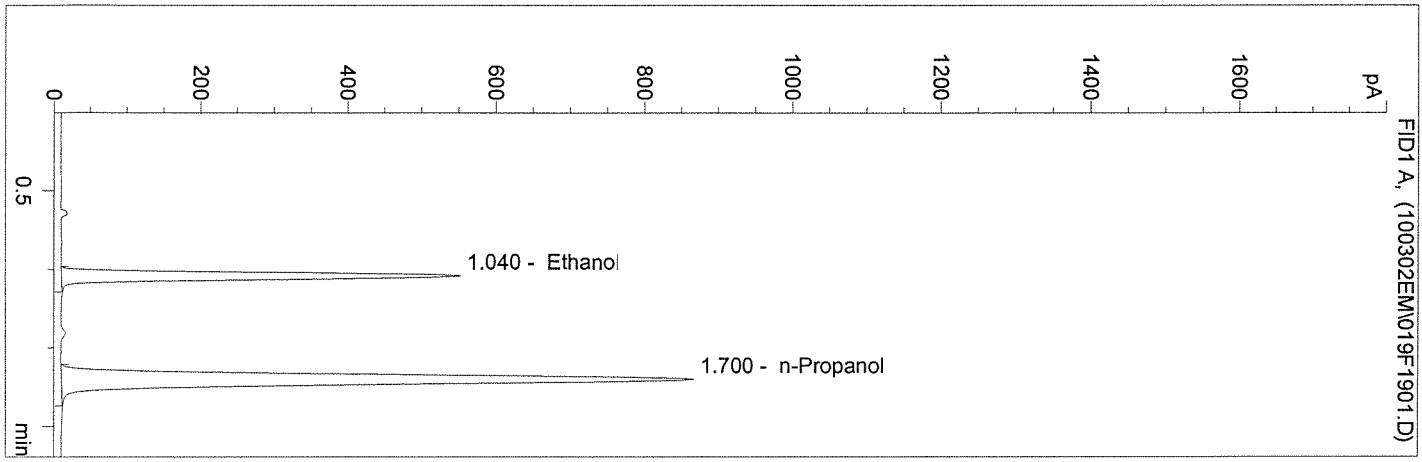
Instrument 1
-ALC1

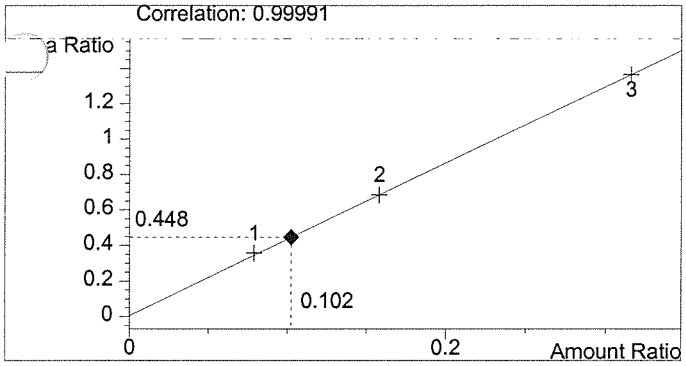
Sim. Sol. 02034
~~WP MARSHALL~~ EM

vial # 19

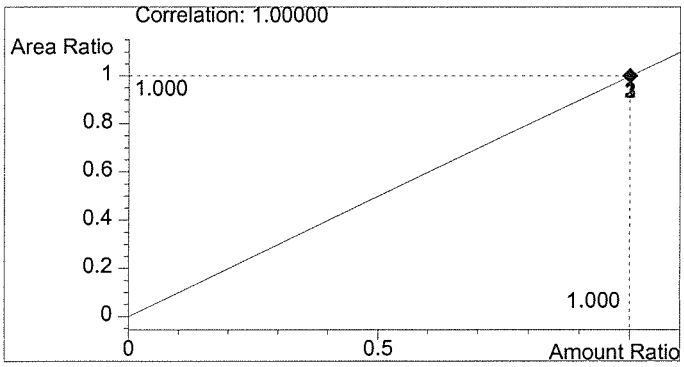


#	Compound	Area	RT
1	Ethanol	1599	1.040
2	n-Propanol	3570	1.700

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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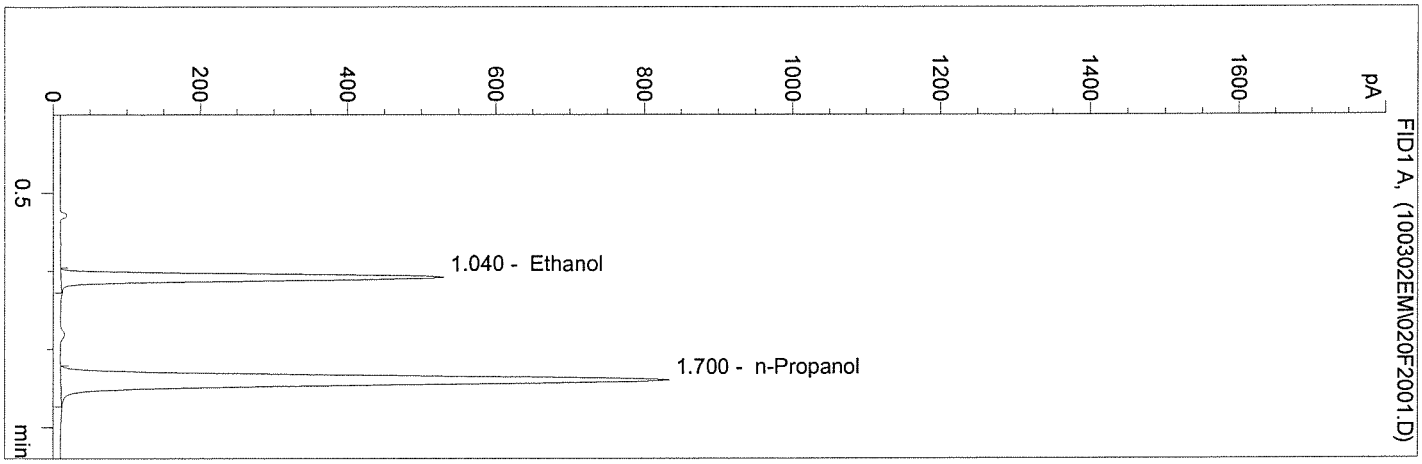
10/3/02 1:35:32 PM
Instrument 1
-ALC1

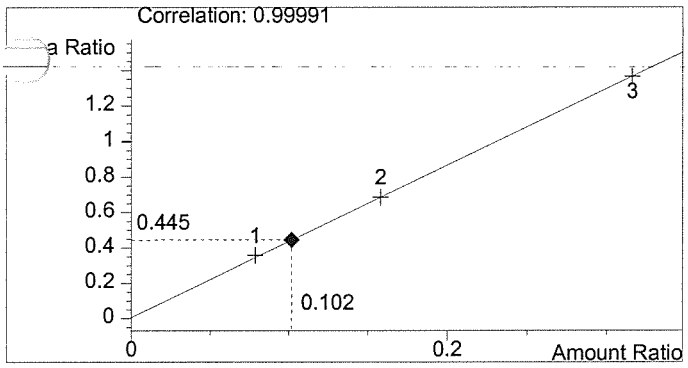
Sim. Sol. 02034
~~WP MARSHALL~~

vial # 20

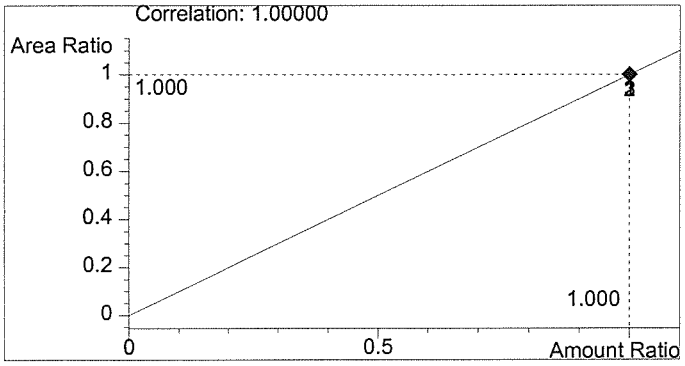


#	Compound	Area	RT
1	Ethanol	1520	1.040
2	n-Propanol	3413	1.700

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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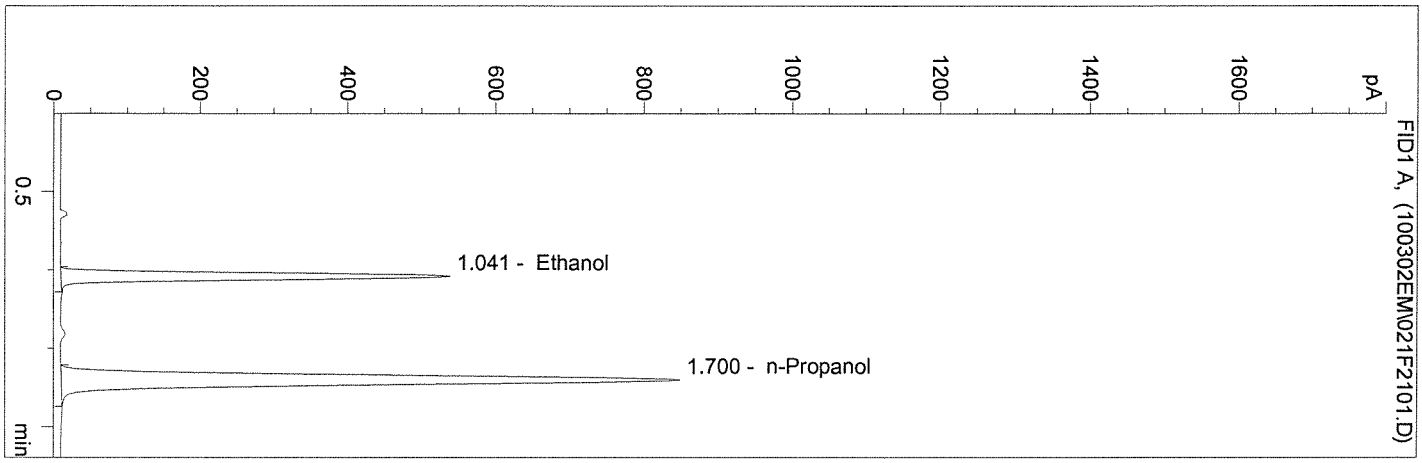
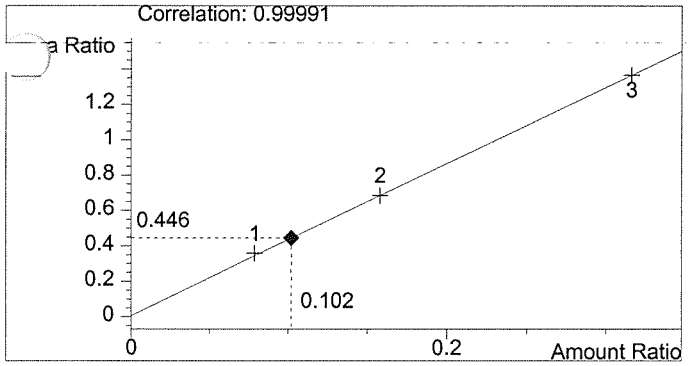
10/3/02 1:39:05 PM
Instrument 1
-ALC1

Sim. Sol. 02034
~~WP MARSHALL~~

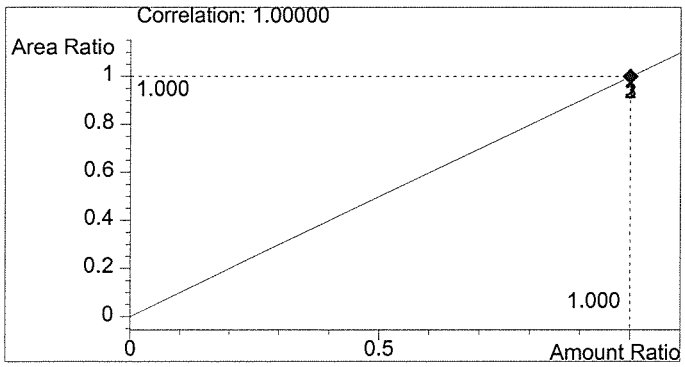
vial # 21



#	Compound	Area	RT
1	Ethanol	1557	1.041
2	n-Propanol	3491	1.700
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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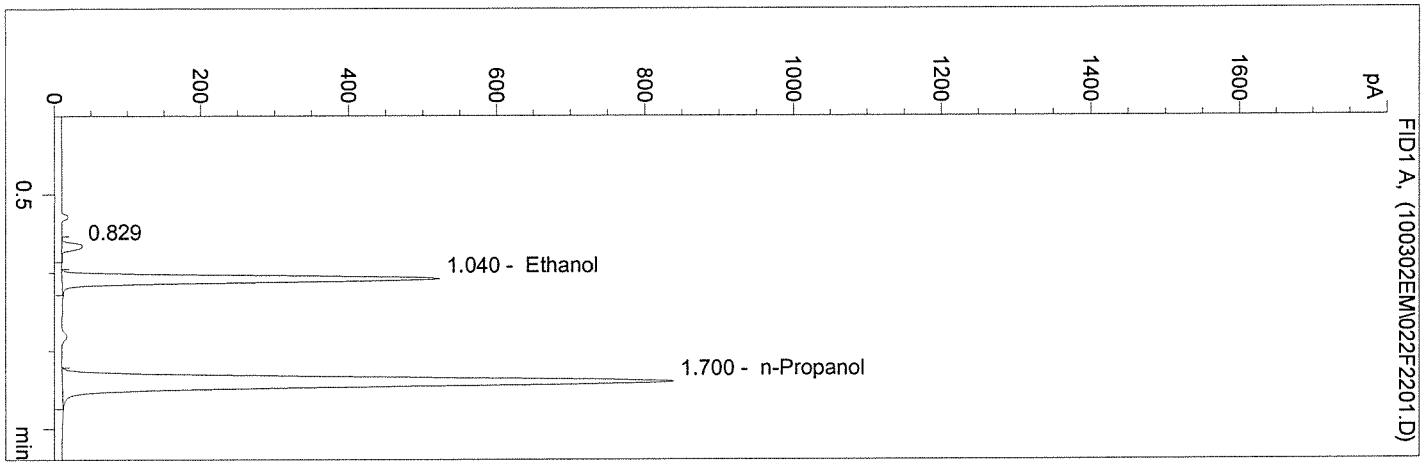
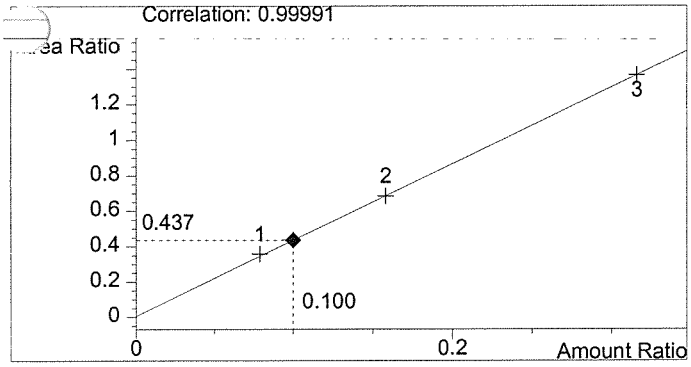
10/3/02 1:42:07 PM
Instrument 1
3-ALC1

0.100 Control
~~WP MARSHALL~~ EM
vial # 22

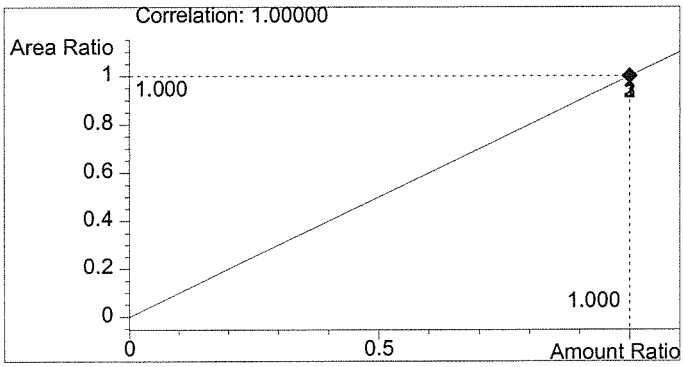


#	Compound	Area	RT
1		84	0.829
2	Ethanol	1506	1.040
3	n-Propanol	3447	1.700

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
-ALC1

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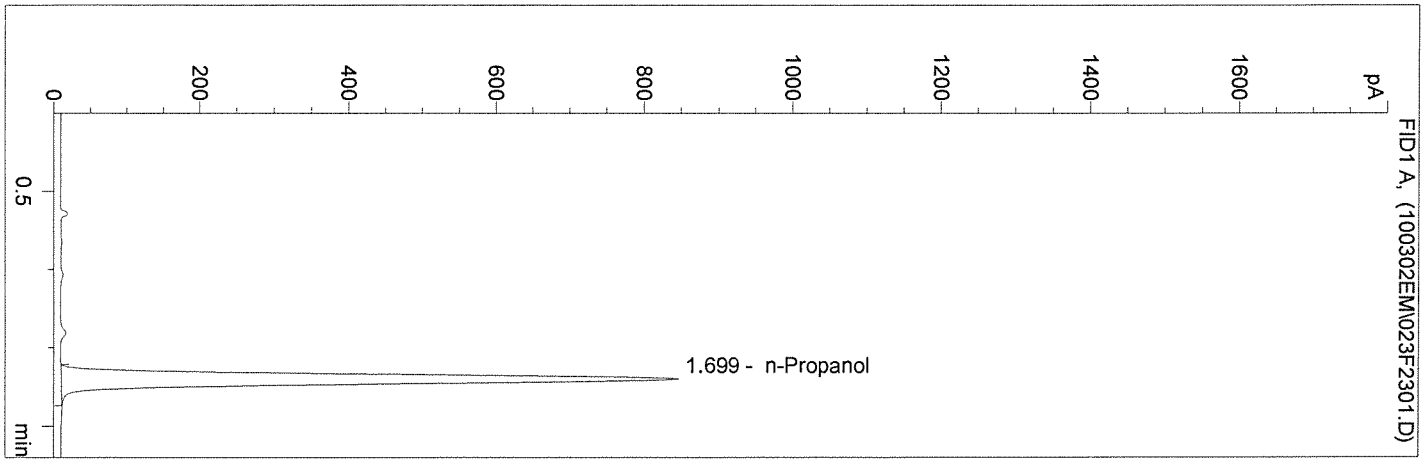
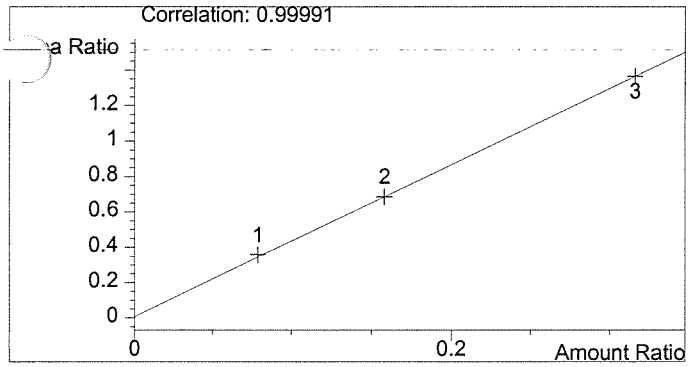
~~WP MARSHALL~~

vial # 23

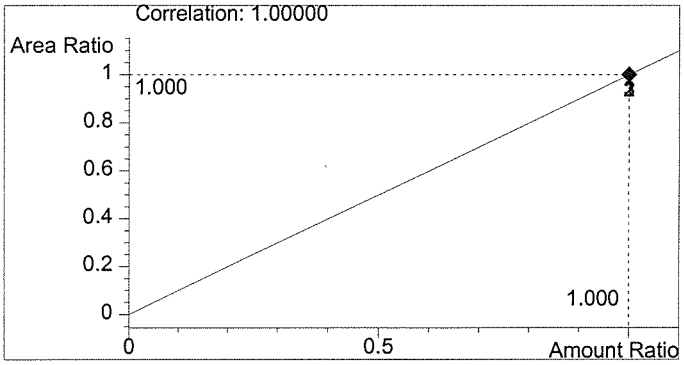


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3467	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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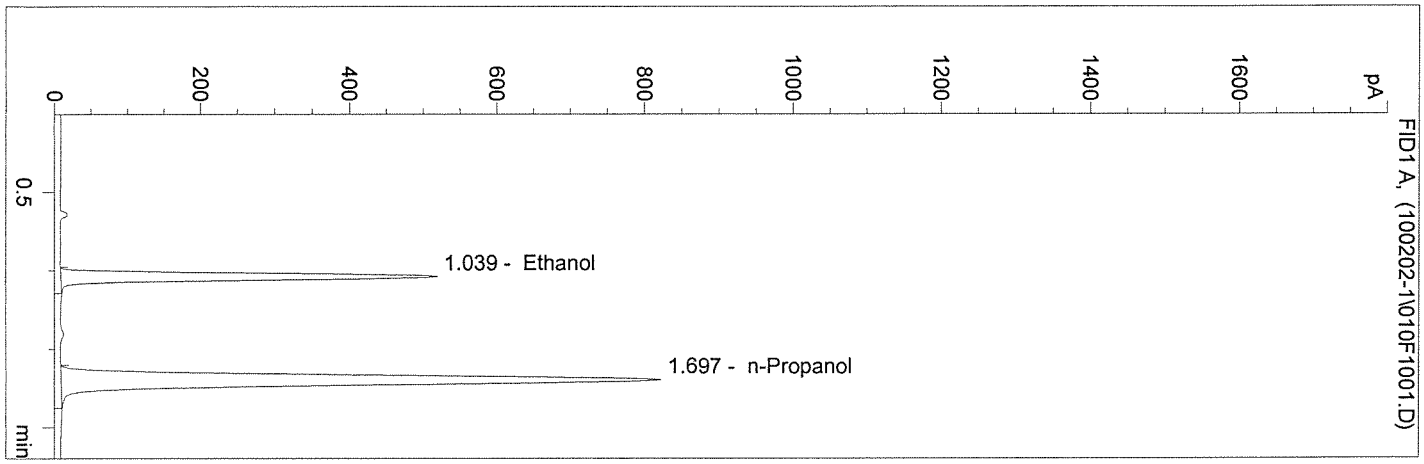
Instrument 1
-ALC1

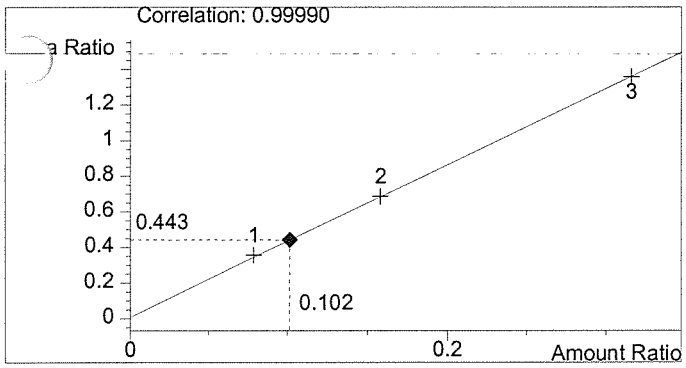
SIM 02034-1
ANN MARIE GORDON

vial # 10

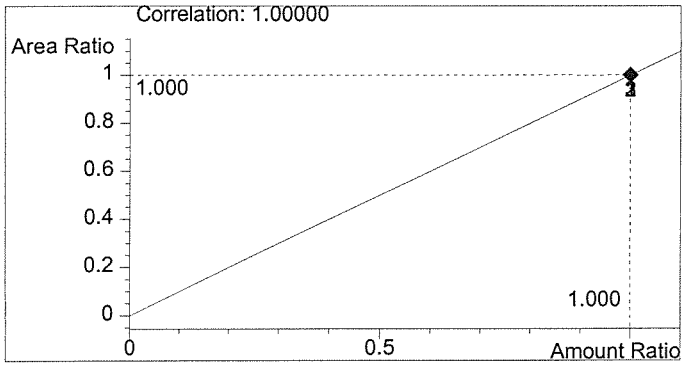


#	Compound	Area	RT
1	Ethanol	1504	1.039
2	n-Propanol	3393	1.697

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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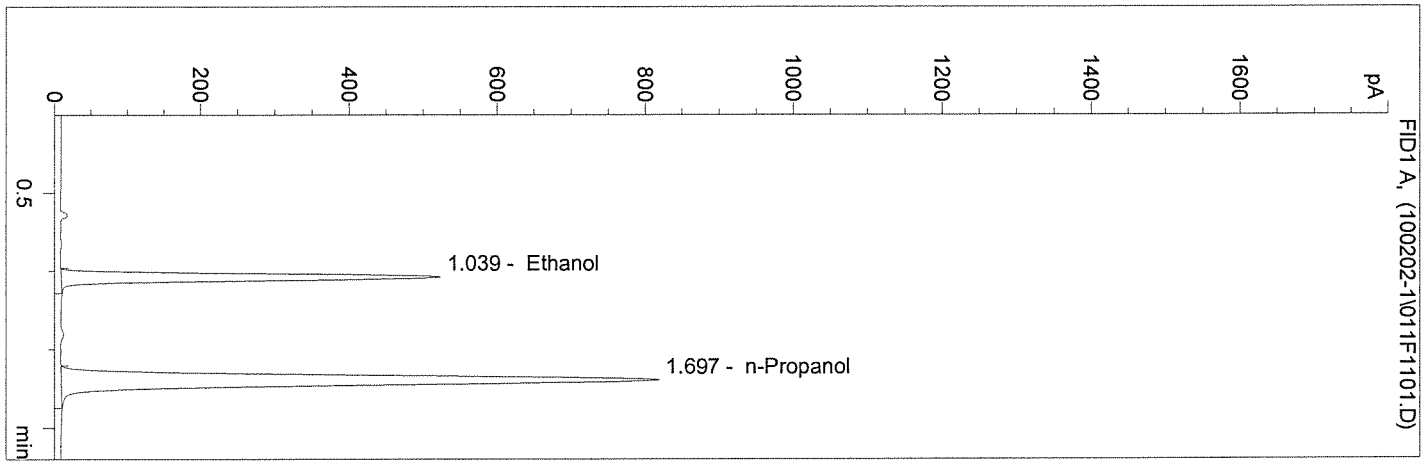
Instrument 1
-ALC1

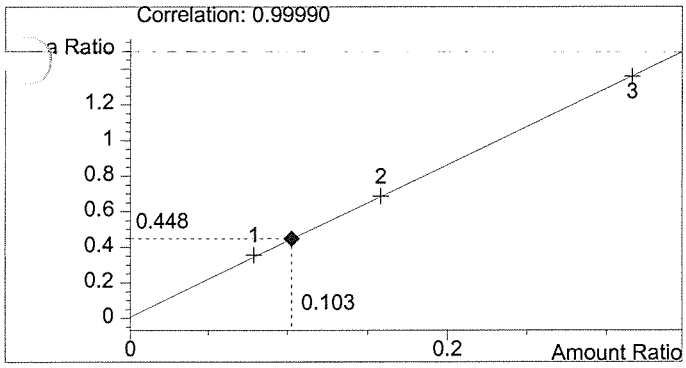
SIM 02034-2
ANN MARIE GORDON

vial # 11

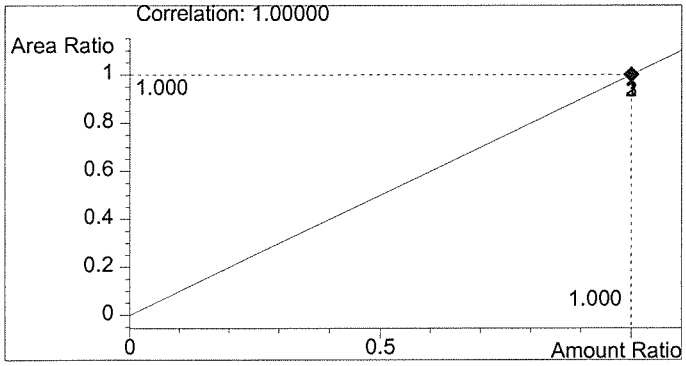


#	Compound	Area	RT
1	Ethanol	1512	1.039
2	n-Propanol	3378	1.697

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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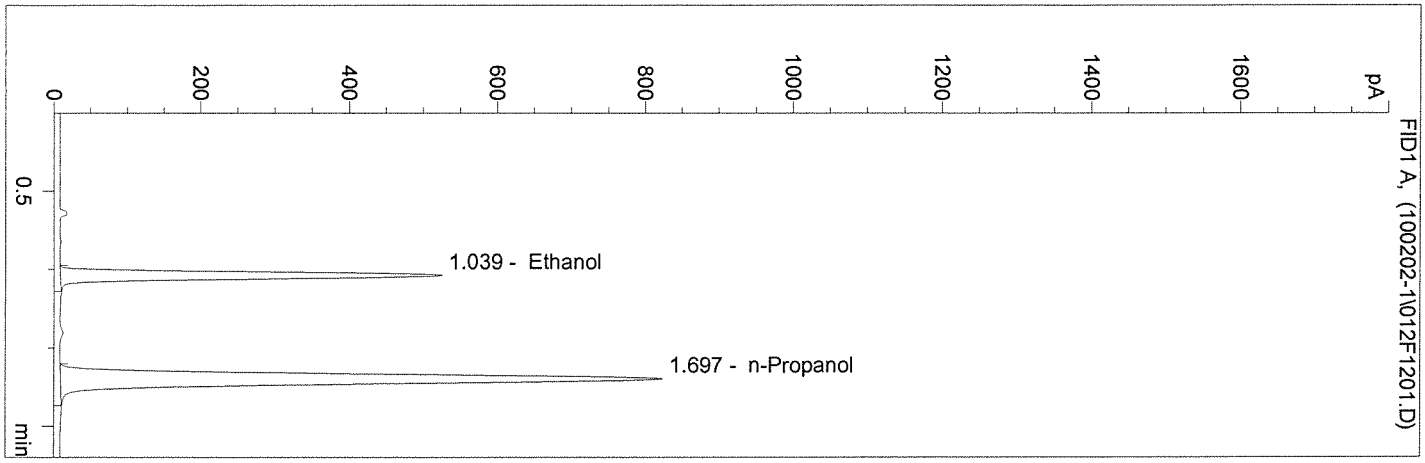
Instrument 1
-ALC1

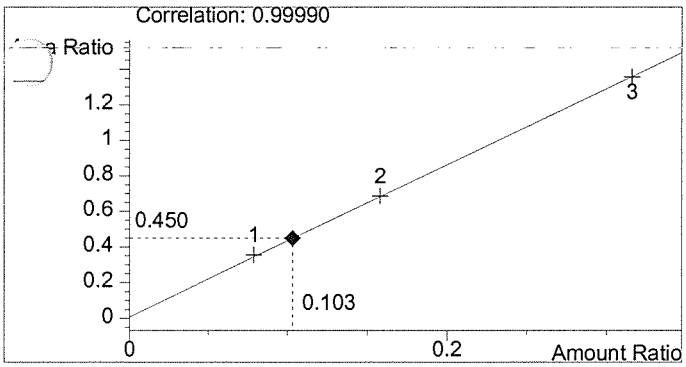
SIM 02034-3
ANN MARIE GORDON

vial # 12

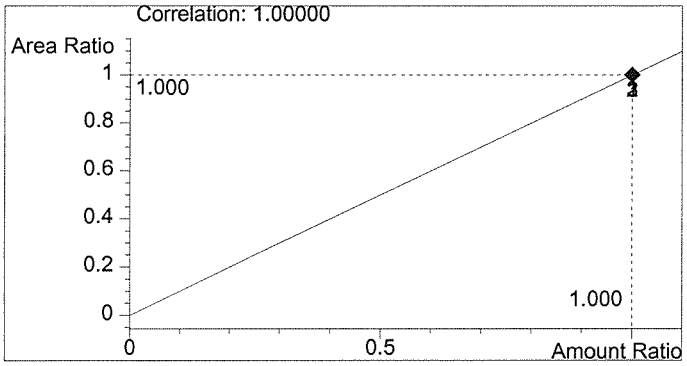


#	Compound	Area	RT
1	Ethanol	1531	1.039
2	n-Propanol	3399	1.697

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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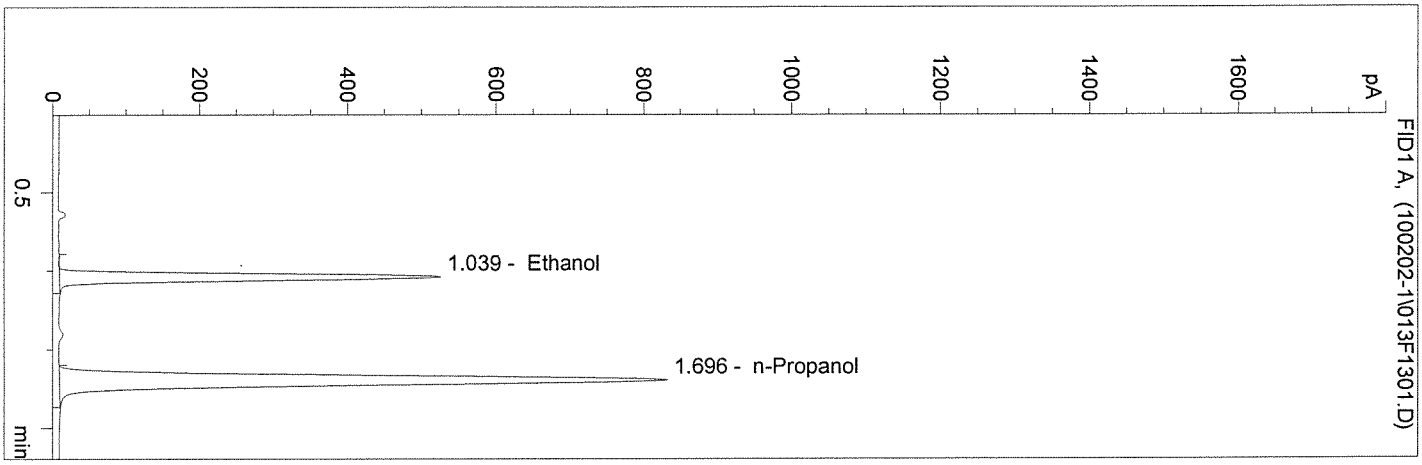
Instrument 1
-ALC1

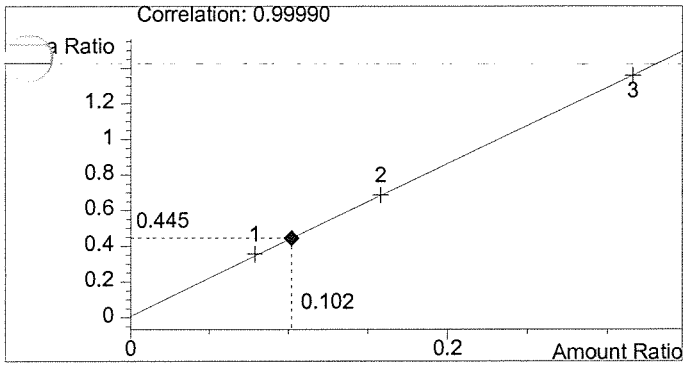
SIM 02034-4
ANN MARIE GORDON

vial # 13

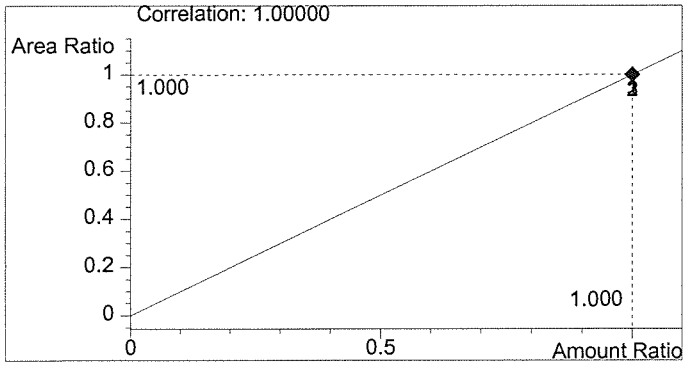


#	Compound	Area	RT
1	Ethanol	1533	1.039
2	n-Propanol	3446	1.696

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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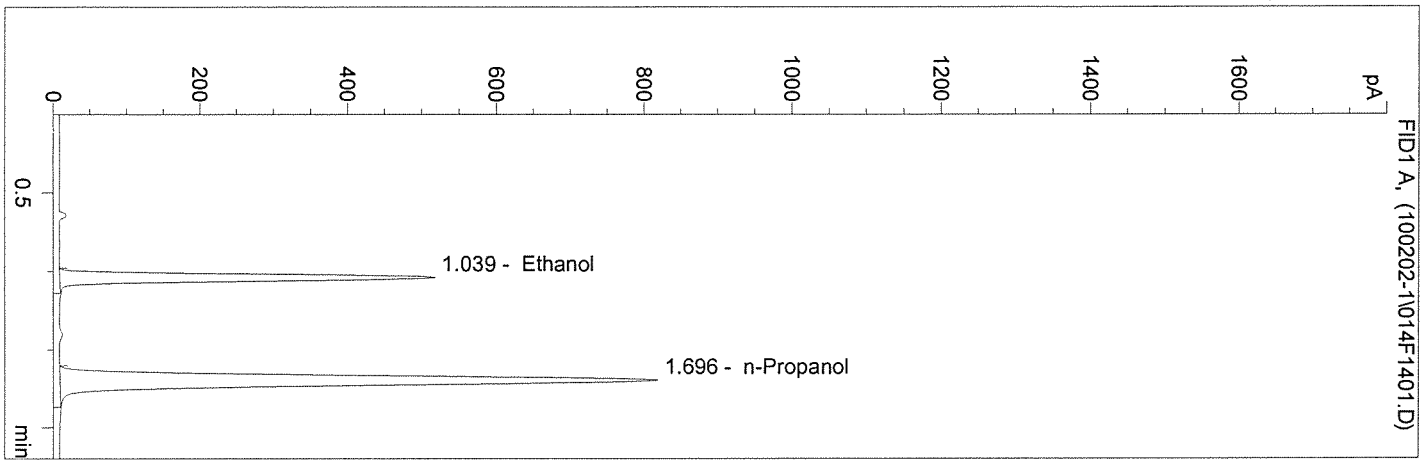
Instrument 1
-ALC1

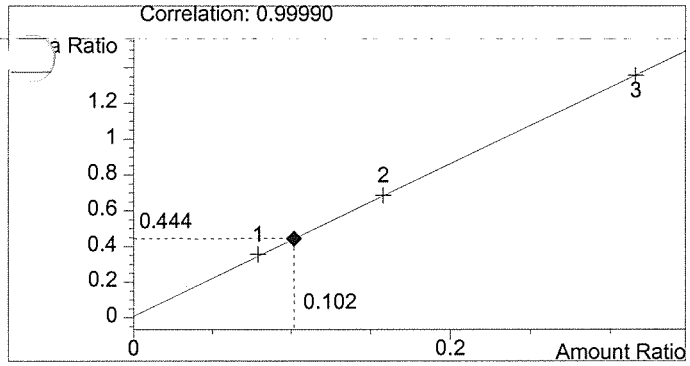
SIM 02034-5
ANN MARIE GORDON

vial # 14

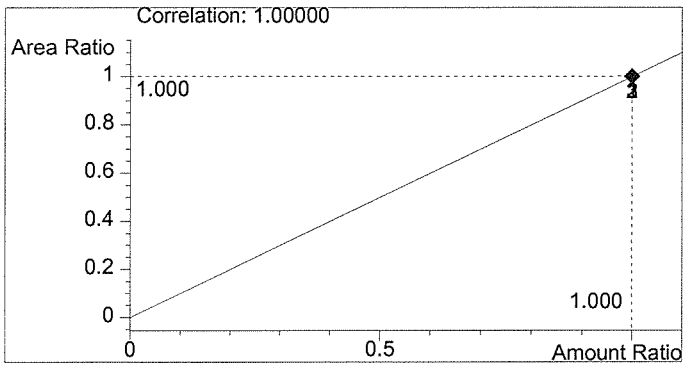


#	Compound	Area	RT
1	Ethanol	1503	1.039
2	n-Propanol	3385	1.696

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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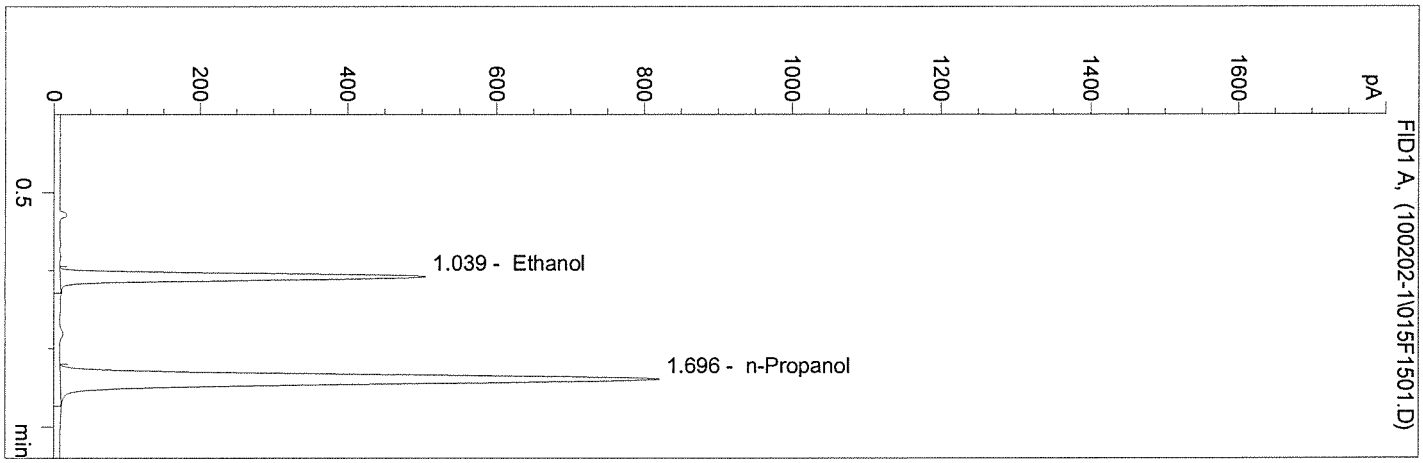
Instrument 1
-ALC1

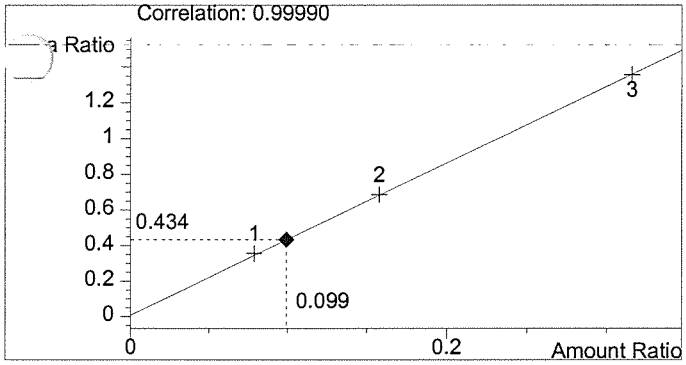
0.10 CTRL
ANN MARIE GORDON

vial # 15

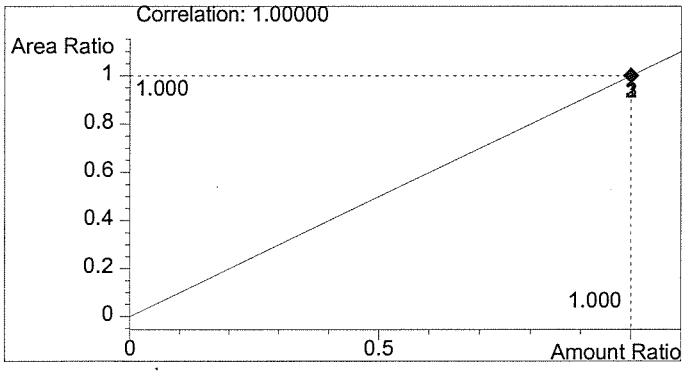


#	Compound	Area	RT
1	Ethanol	1466	1.039
2	n-Propanol	3382	1.696

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
-ALC1

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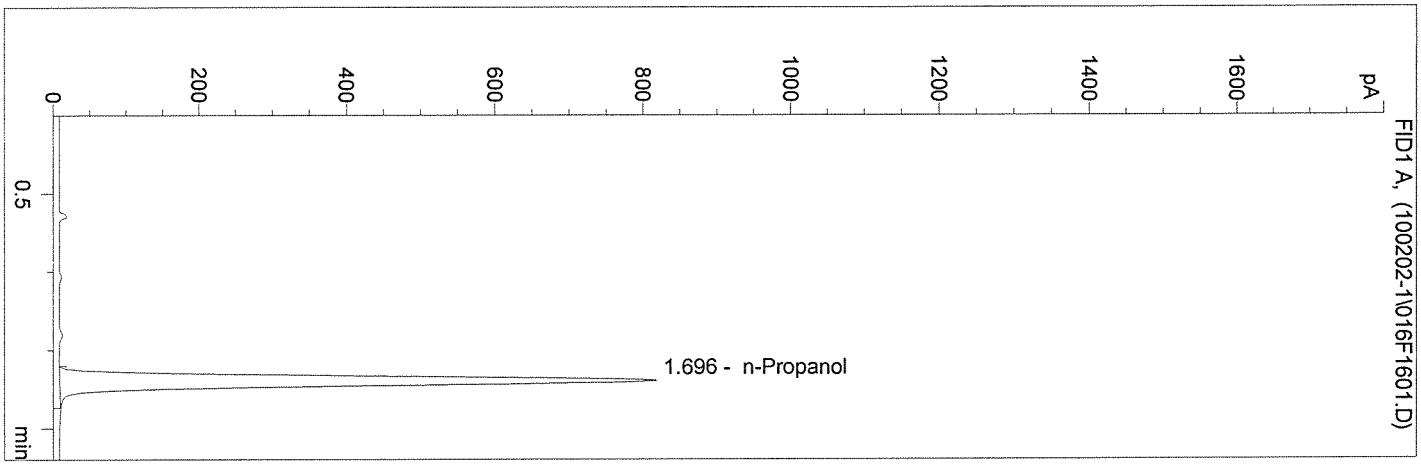
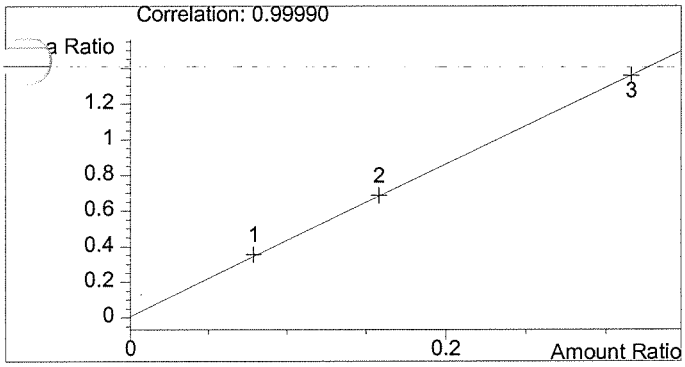
ANN MARIE GORDON

vial # 16

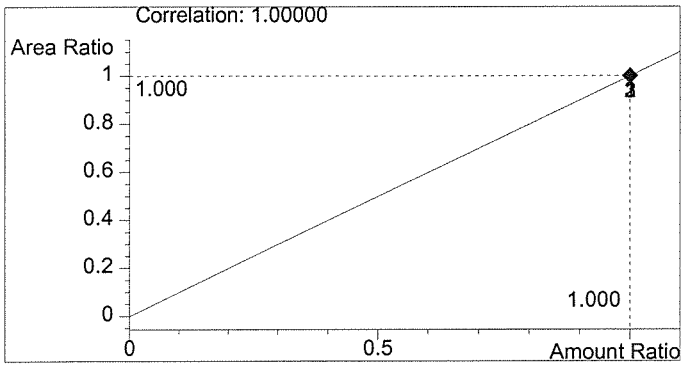


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3381	1.696

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
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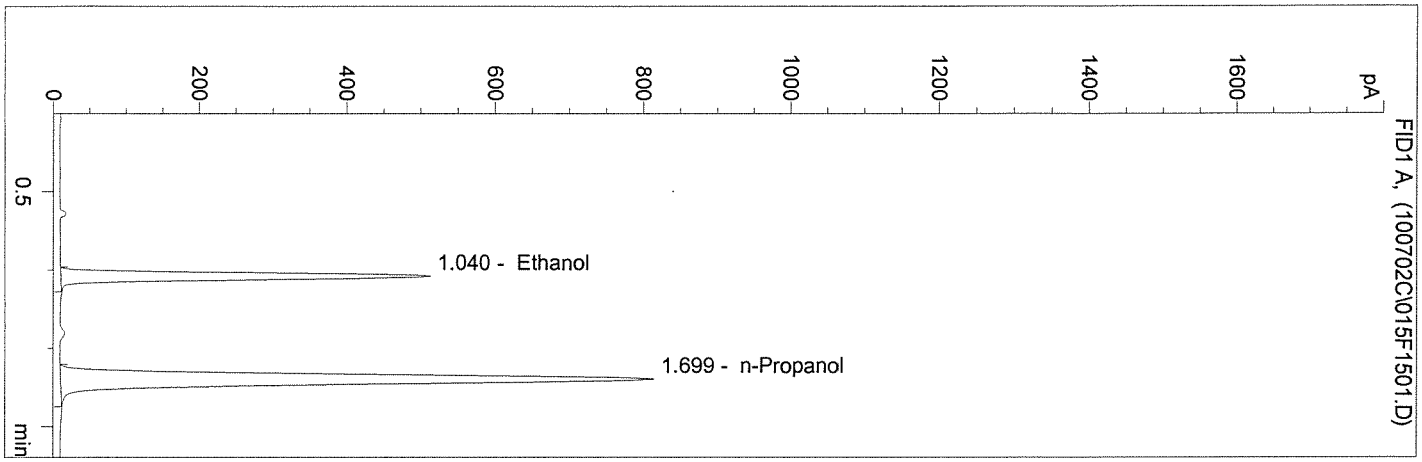
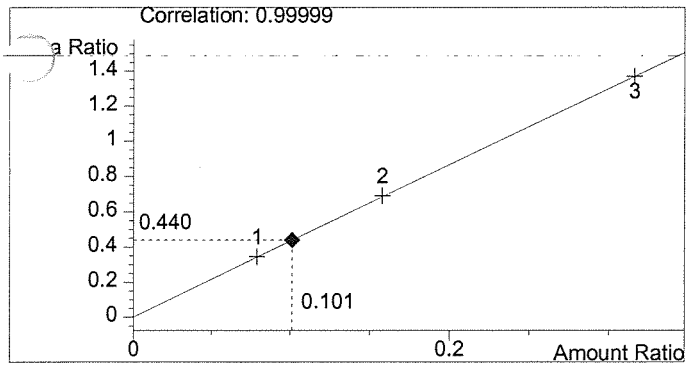
vial # 15

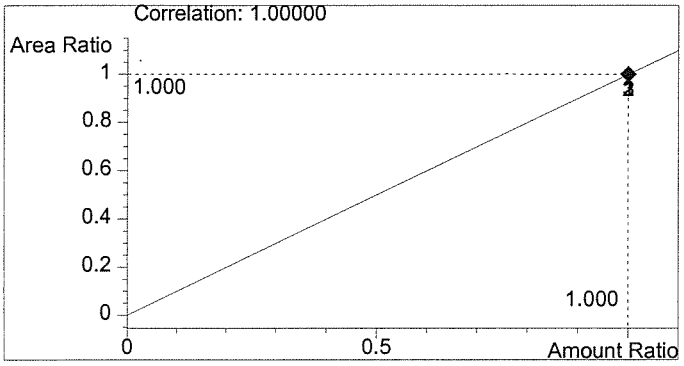


#	Compound	Area	RT
1	Ethanol	1481	1.040
2	n-Propanol	3362	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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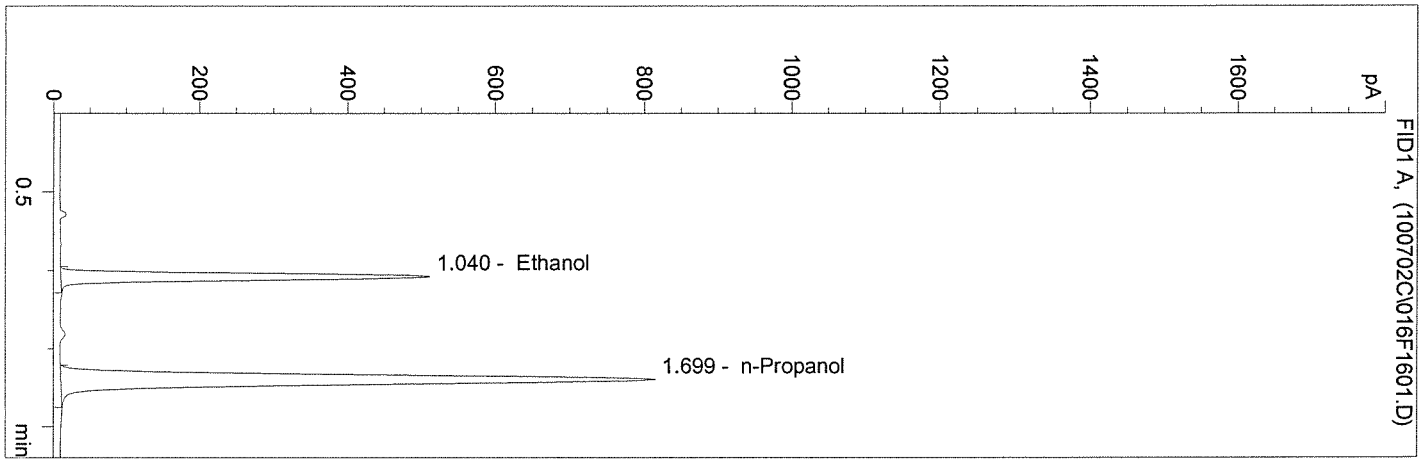
10/7/02 10:34:57 AM
Instrument 1
-ALC1

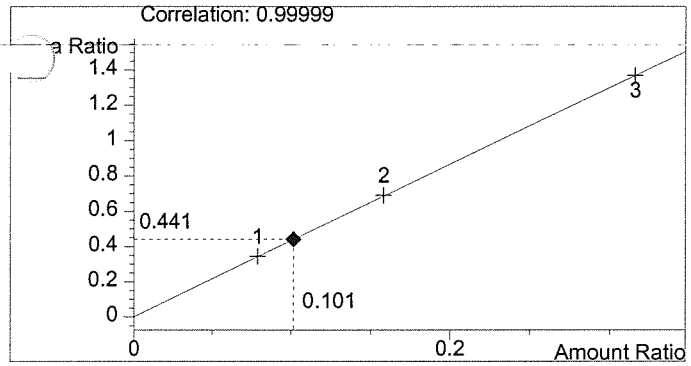
02034
ED FORMOSO

vial # 16

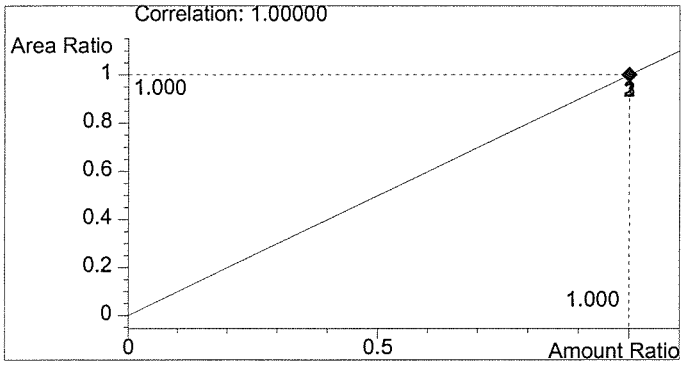


#	Compound	Area	RT
1	Ethanol	1486	1.040
2	n-Propanol	3367	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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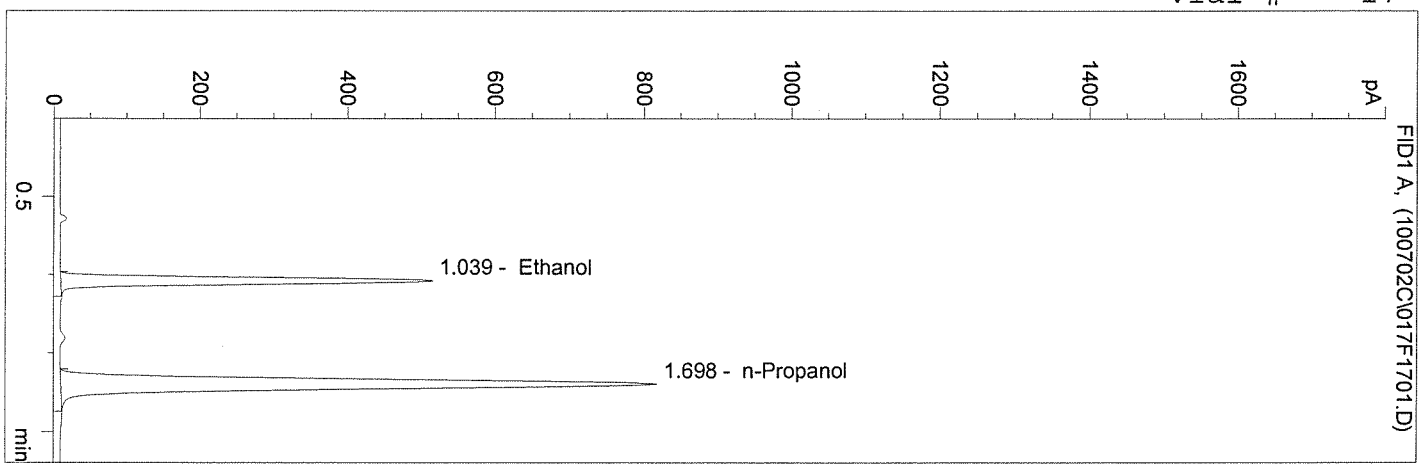
Instrument 1
-ALC1

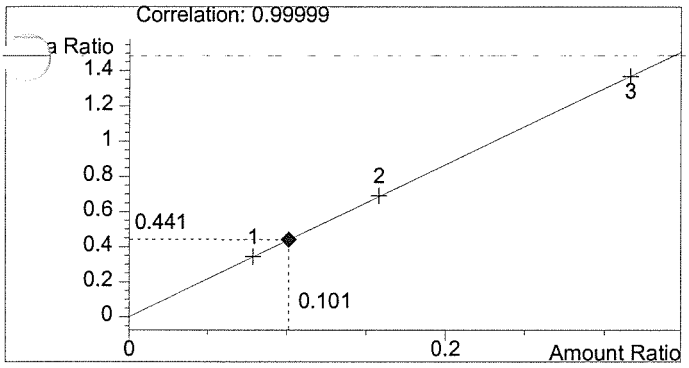
02034
ED FORMOSO

vial # 17

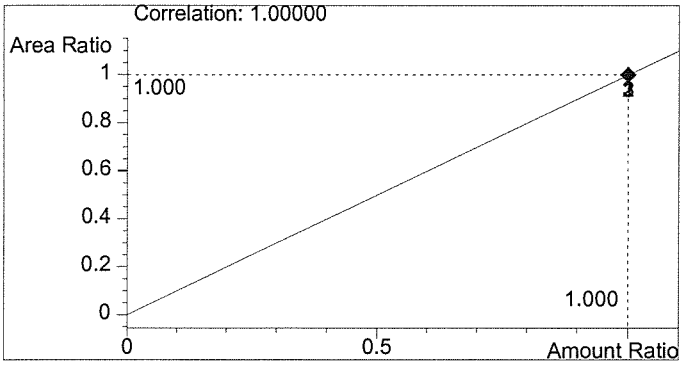


#	Compound	Area	RT
1	Ethanol	1488	1.039
2	n-Propanol	3375	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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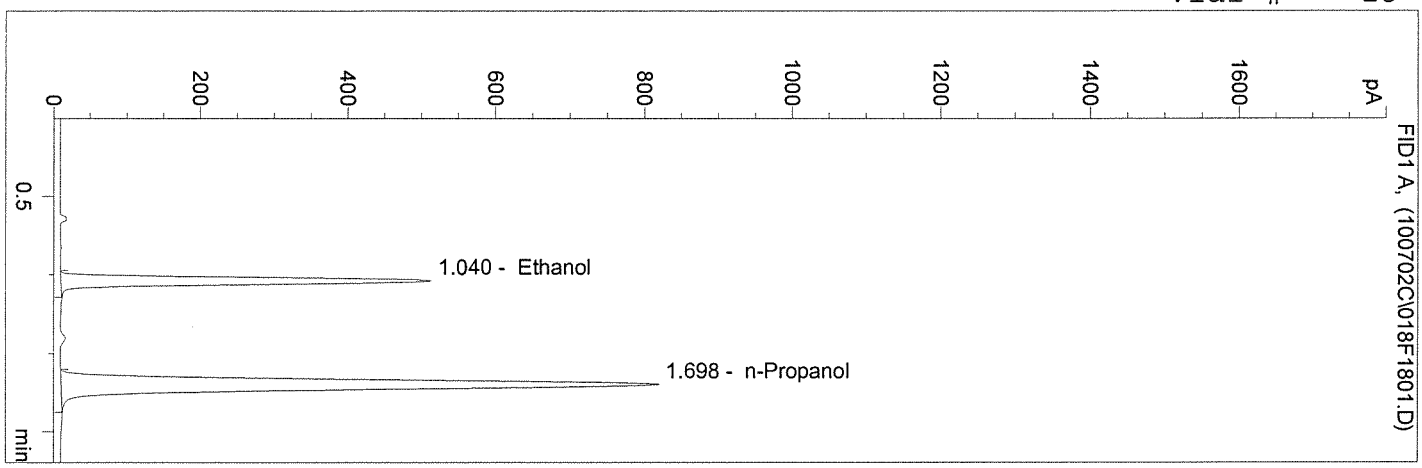
10/7/02 10:41:11 AM
Instrument 1
-ALC1

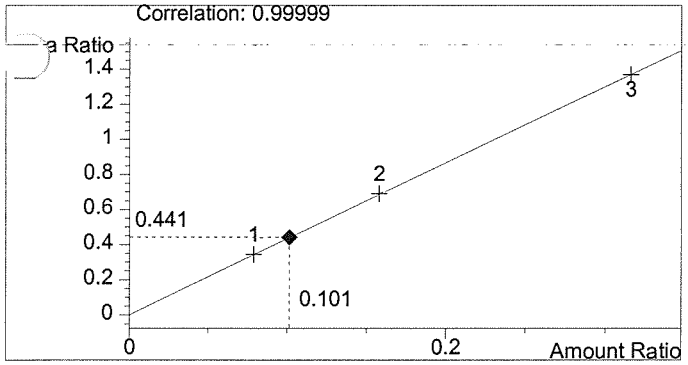
02034
ED FORMOSO

vial # 18

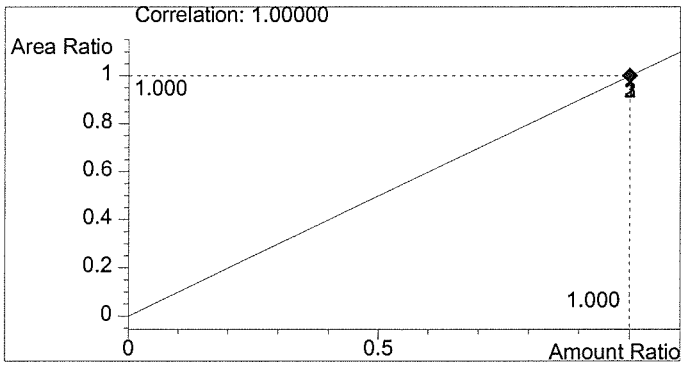


#	Compound	Area	RT
1	Ethanol	1498	1.040
2	n-Propanol	3393	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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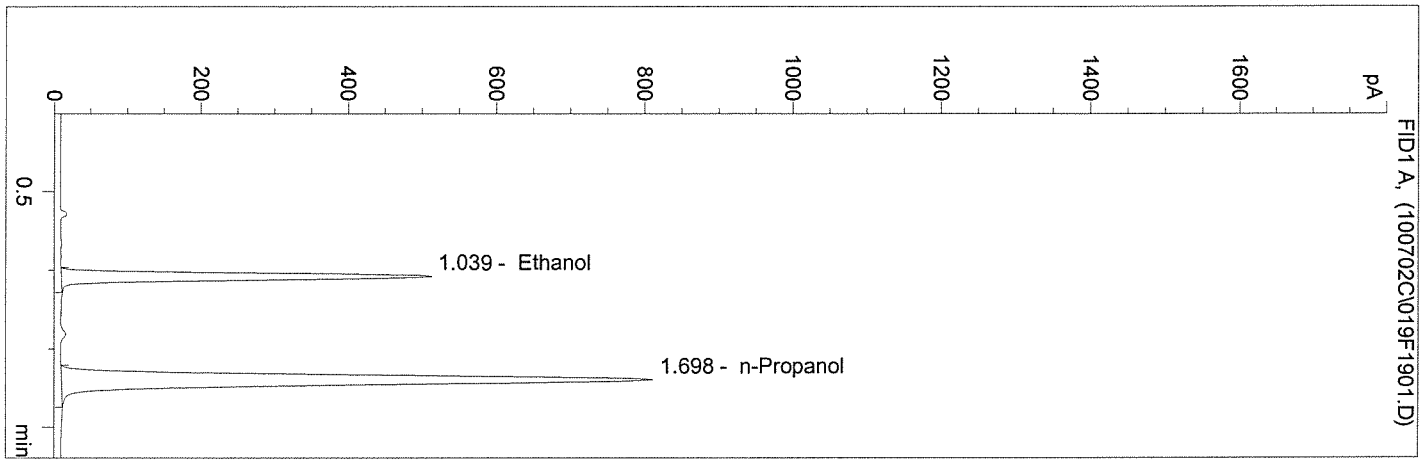
10/7/02 10:44:13 AM
Instrument 1
-ALC1

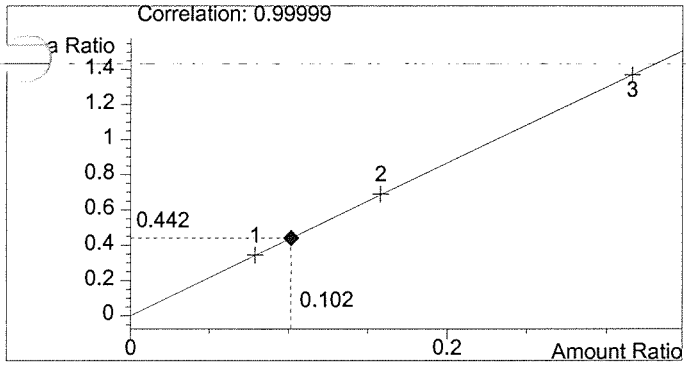
02034
ED FORMOSO

vial # 19

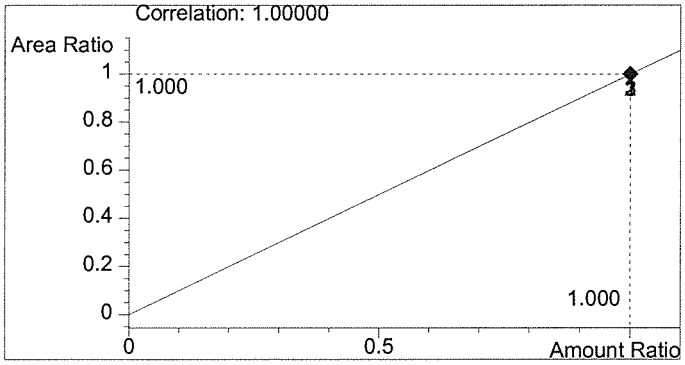


#	Compound	Area	RT
1	Ethanol	1480	1.039
2	n-Propanol	3351	1.698

Totals:



Ethanol 0.102 g/100ml



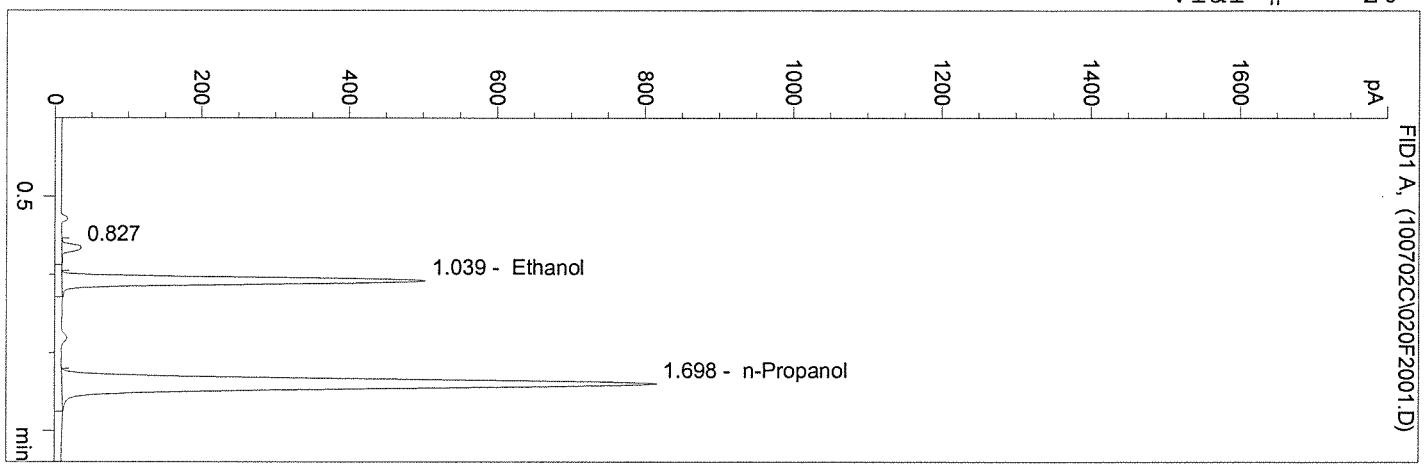
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

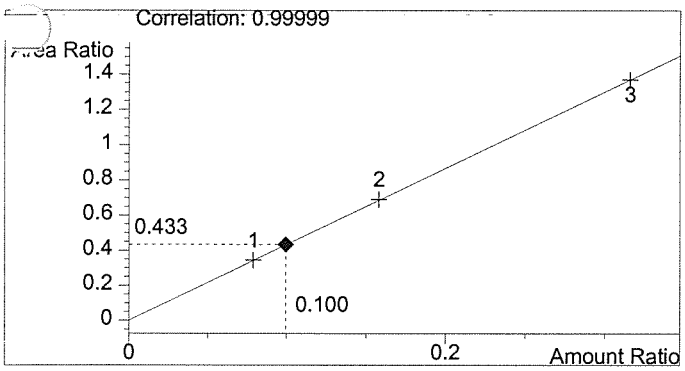
C:\HPCHEM\1\METHODS\BLDALCO.M
10/7/02 10:47:15 AM
Instrument 1
-ALC1

0.10 CONTROL
ED FORMOSO

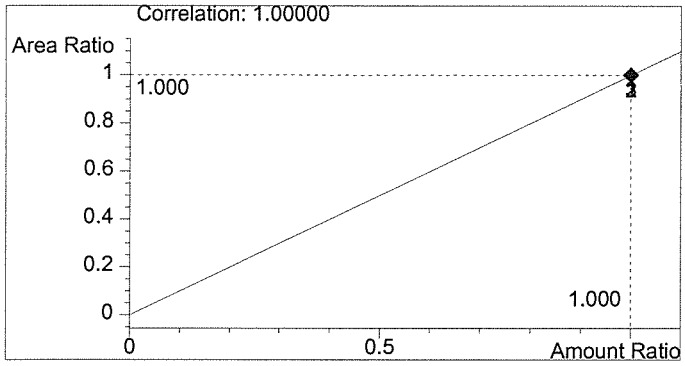
vial # 20



#	Compound	Area	RT
1		81	0.827
2	Ethanol	1461	1.039
3	n-Propanol	3369	1.698
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 1
-ALC1

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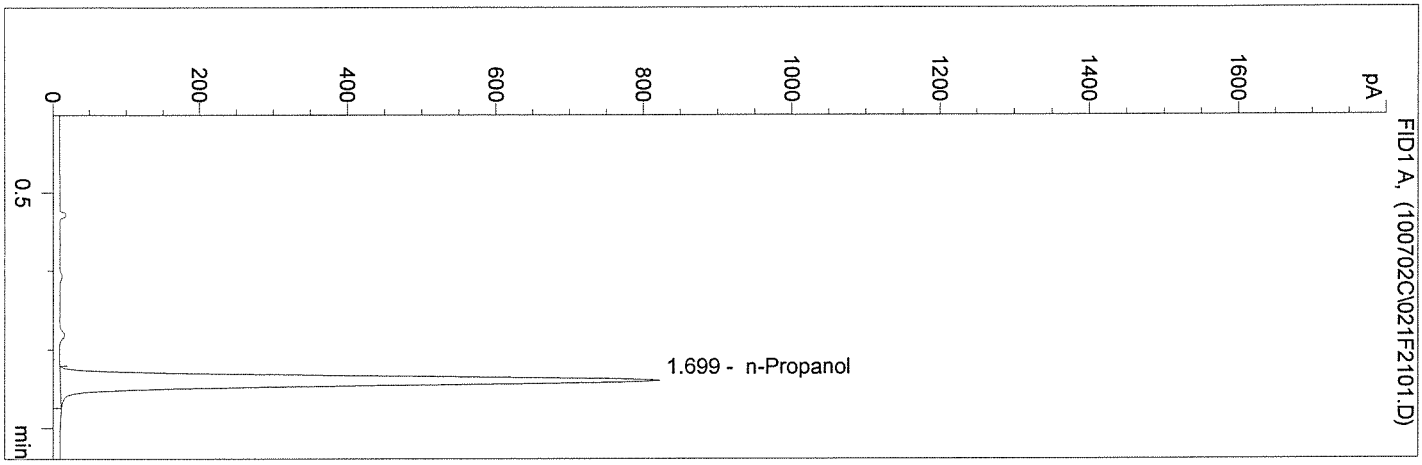
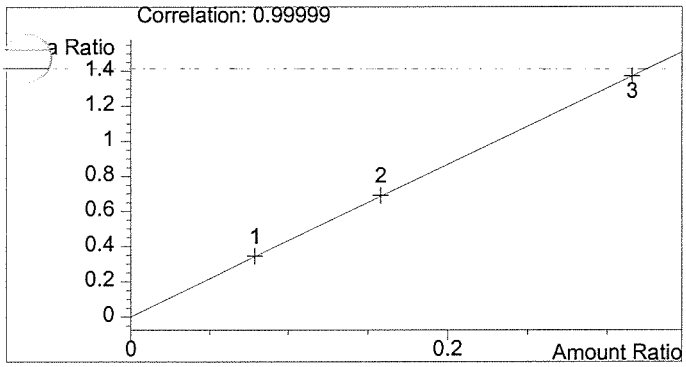
ED FORMOSO

vial # 21

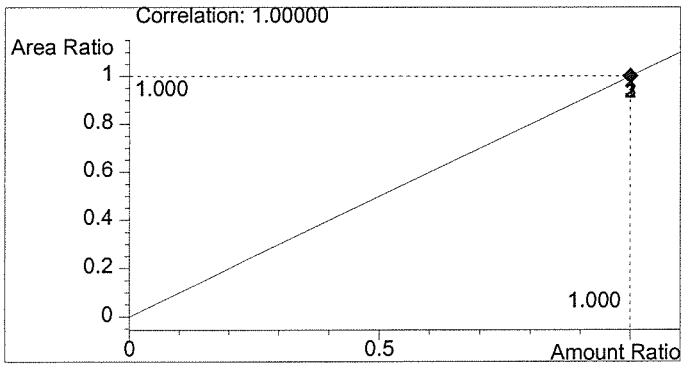


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3400	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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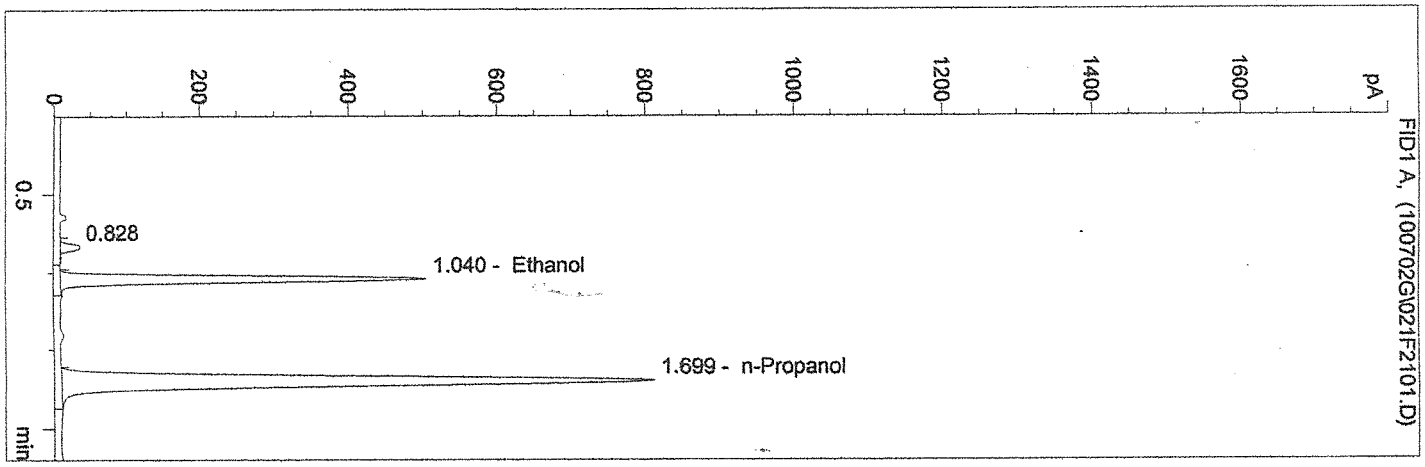
Instrument 1
B-ALC1

Cal 025923

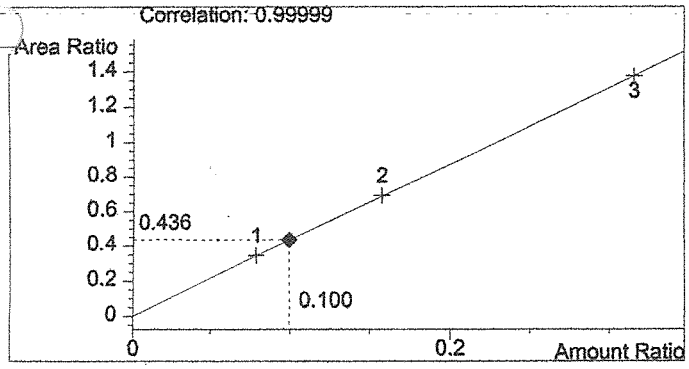
CAP 0.100
GENE SCHWILKE

vial # 21

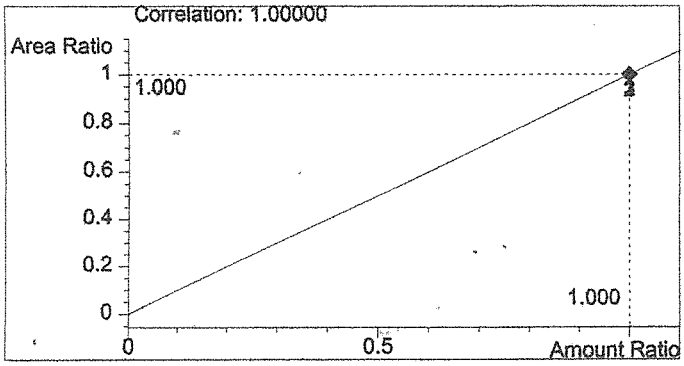


#	Compound	Area	RT
1		82	0.828
2	Ethanol	1461	1.040
3	n-Propanol	3352	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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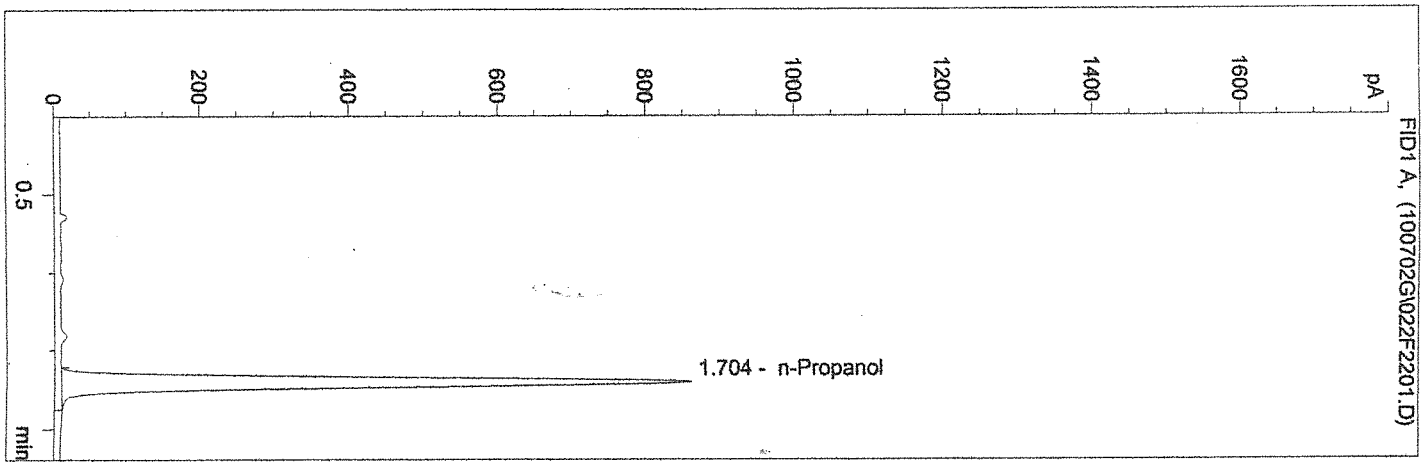
Instrument 1
B-ALC1

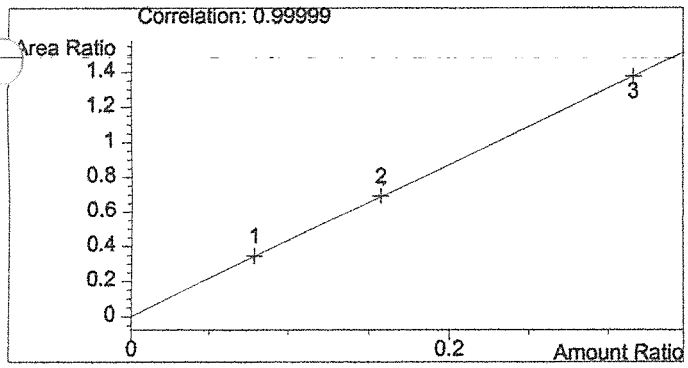
BLANK
GENE SCHWILKE

vial # 22

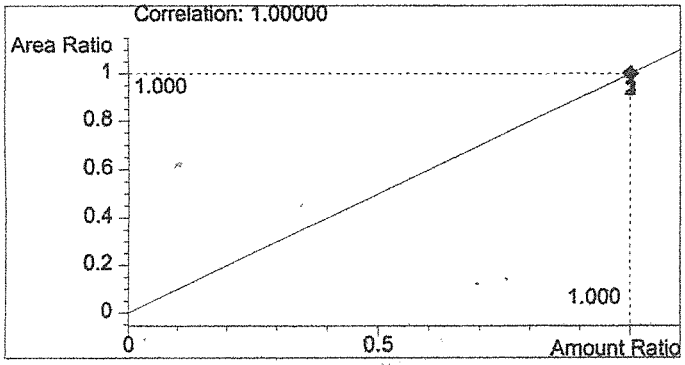


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3651	1.704

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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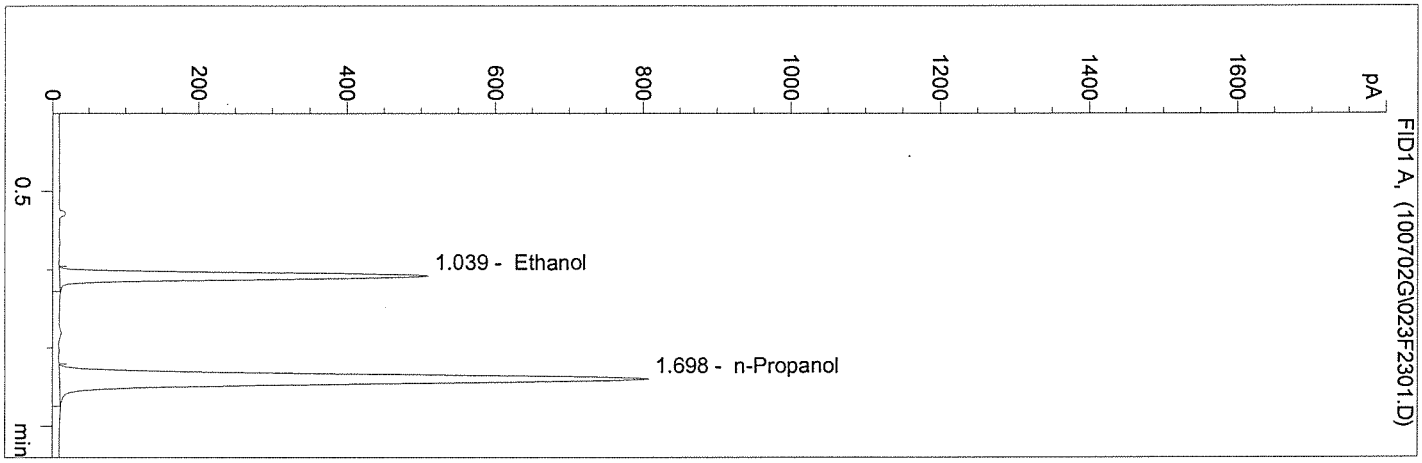
Instrument 1
-ALC1

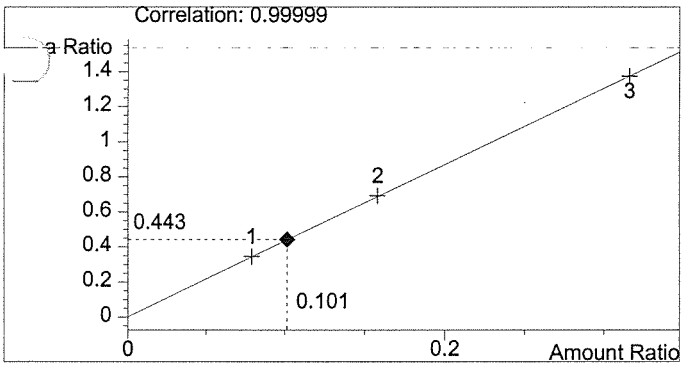
0.08SSOL 02034
GENE SCHWILKE

vial # 23

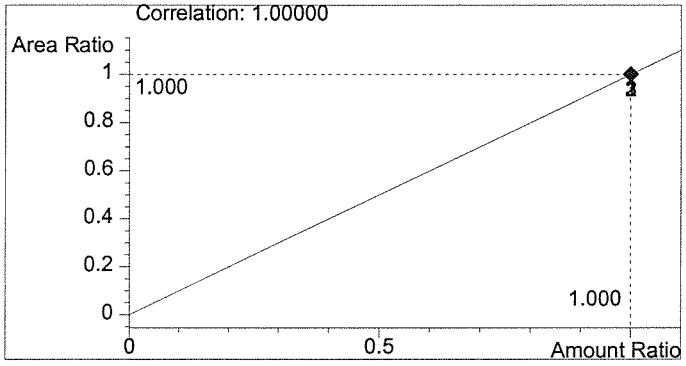


#	Compound	Area	RT
1	Ethanol	1472	1.039
2	n-Propanol	3326	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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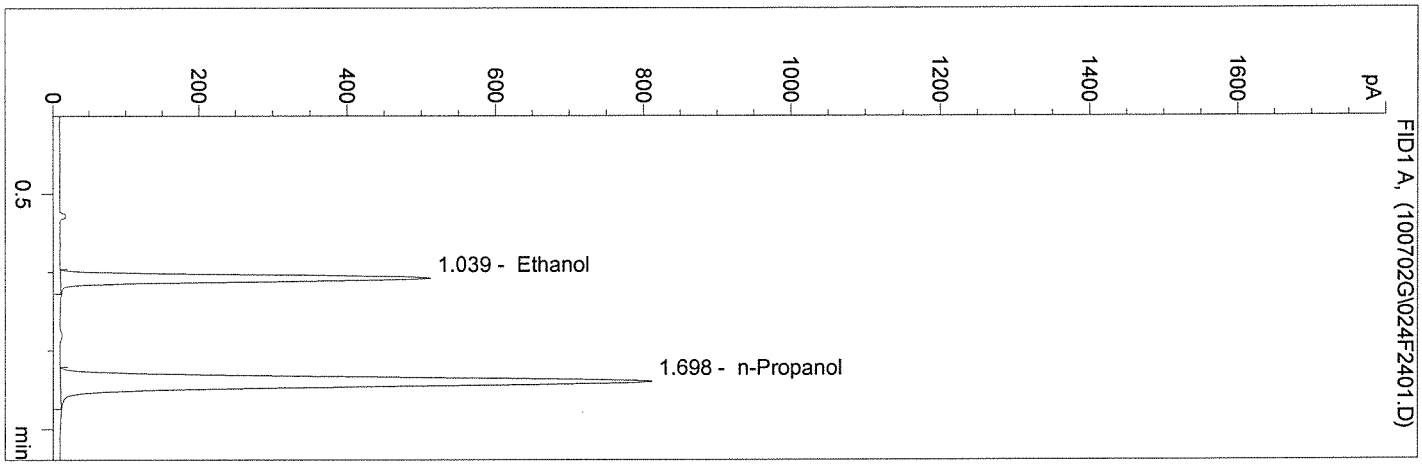
Instrument 1
-ALC1

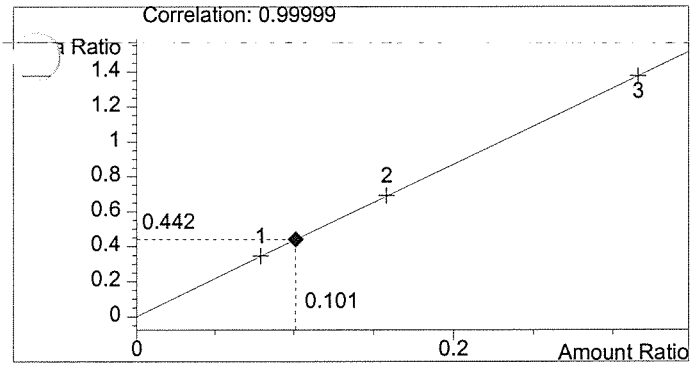
0.08SSOL 02034
GENE SCHWILKE

vial # 24

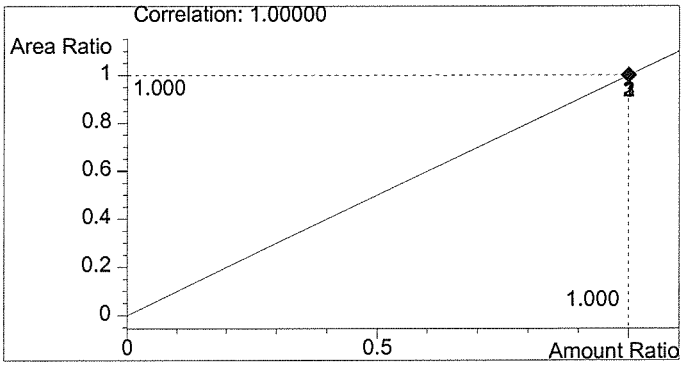


#	Compound	Area	RT
1	Ethanol	1474	1.039
2	n-Propanol	3338	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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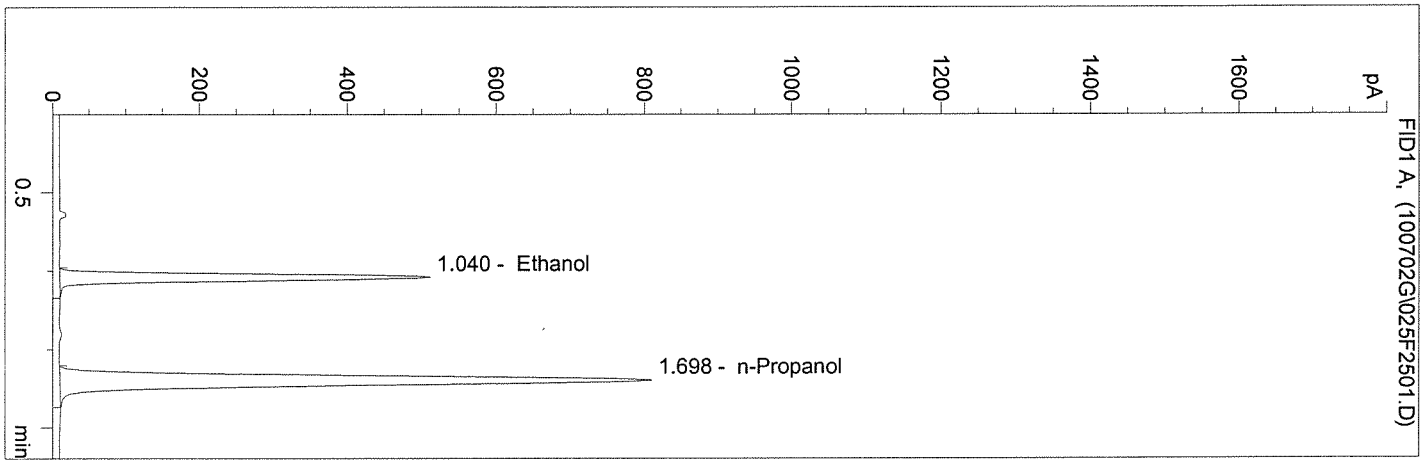
Instrument 1
-ALC1

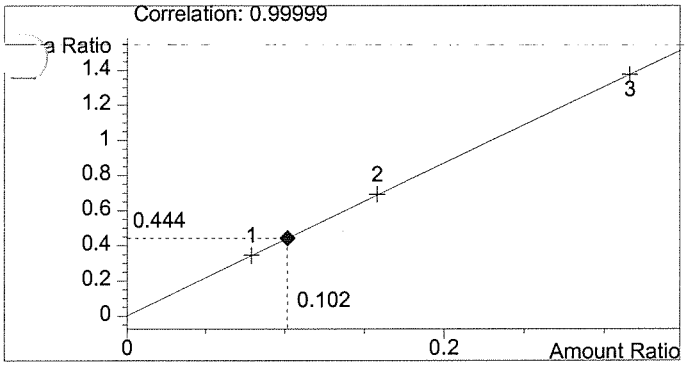
0.08SSOL 02034
GENE SCHWILKE

vial # 25

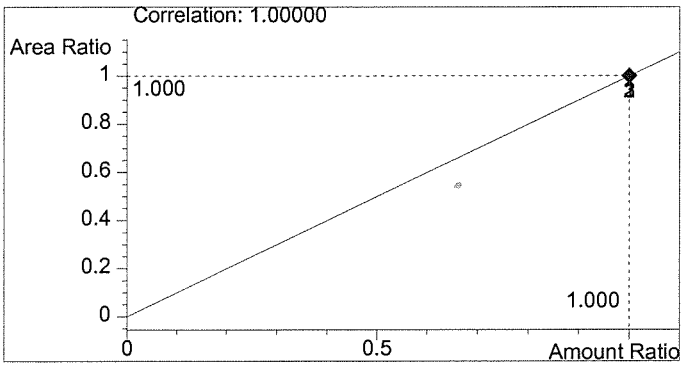


#	Compound	Area	RT
1	Ethanol	1479	1.040
2	n-Propanol	3335	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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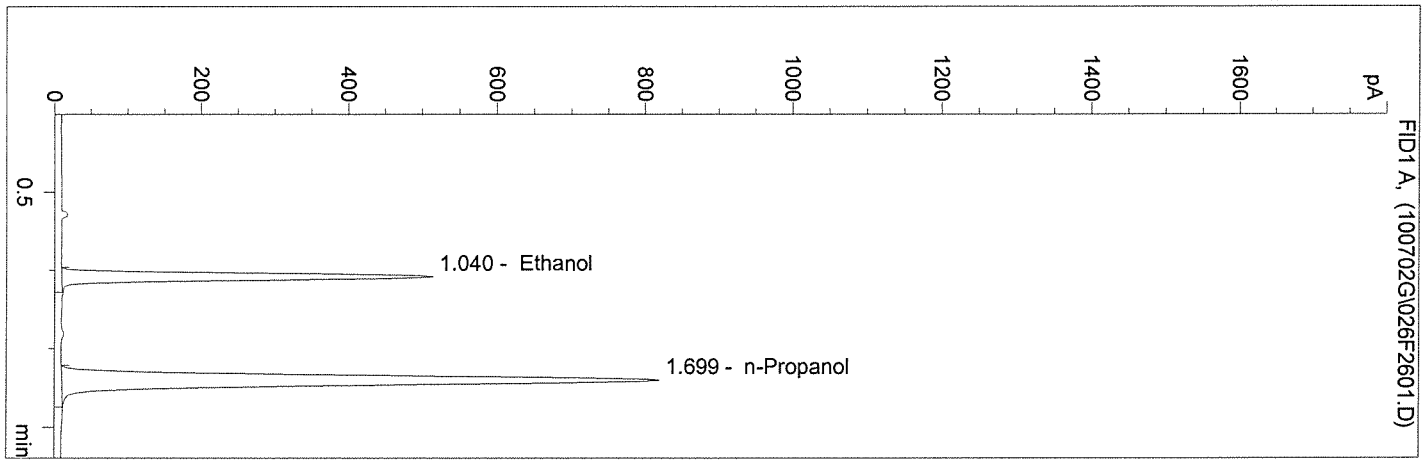
Instrument 1
-ALC1

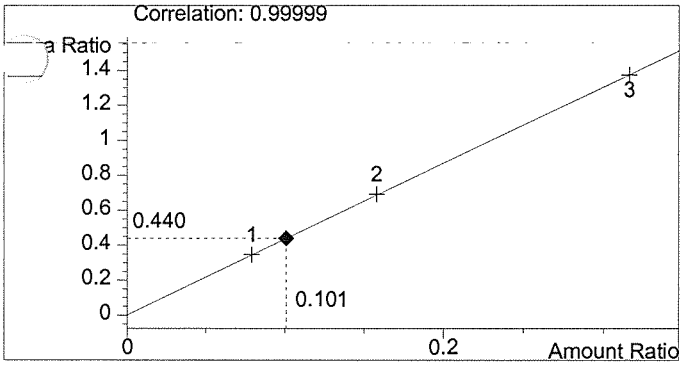
0.08SSOL 02034
GENE SCHWILKE

vial # 26

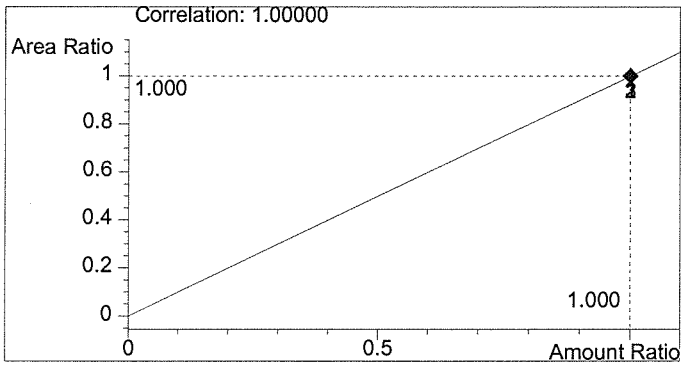


#	Compound	Area	RT
1	Ethanol	1488	1.040
2	n-Propanol	3380	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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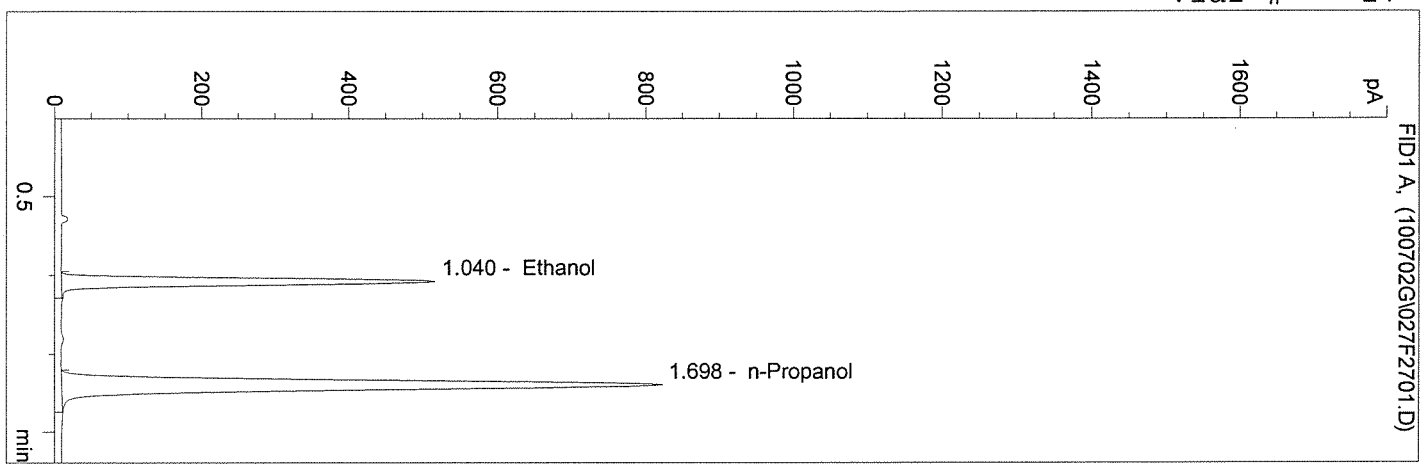
Instrument 1
ALC1

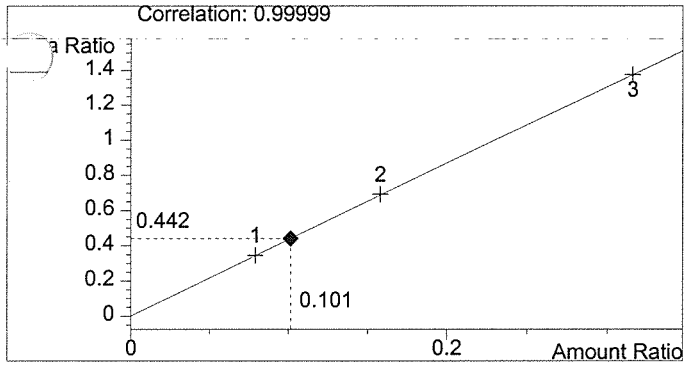
0.08SSOL 02034
GENE SCHWILKE

vial # 27

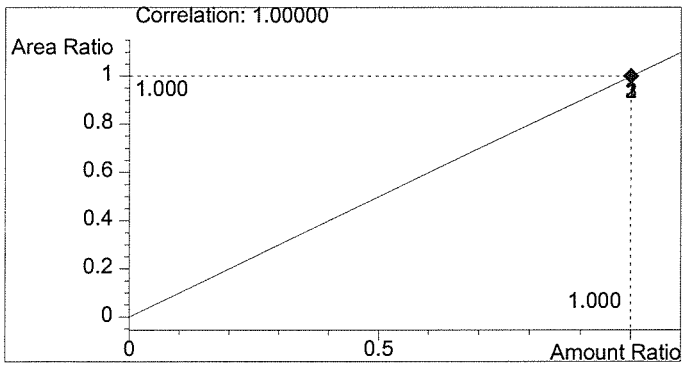


#	Compound	Area	RT
1	Ethanol	1498	1.040
2	n-Propanol	3388	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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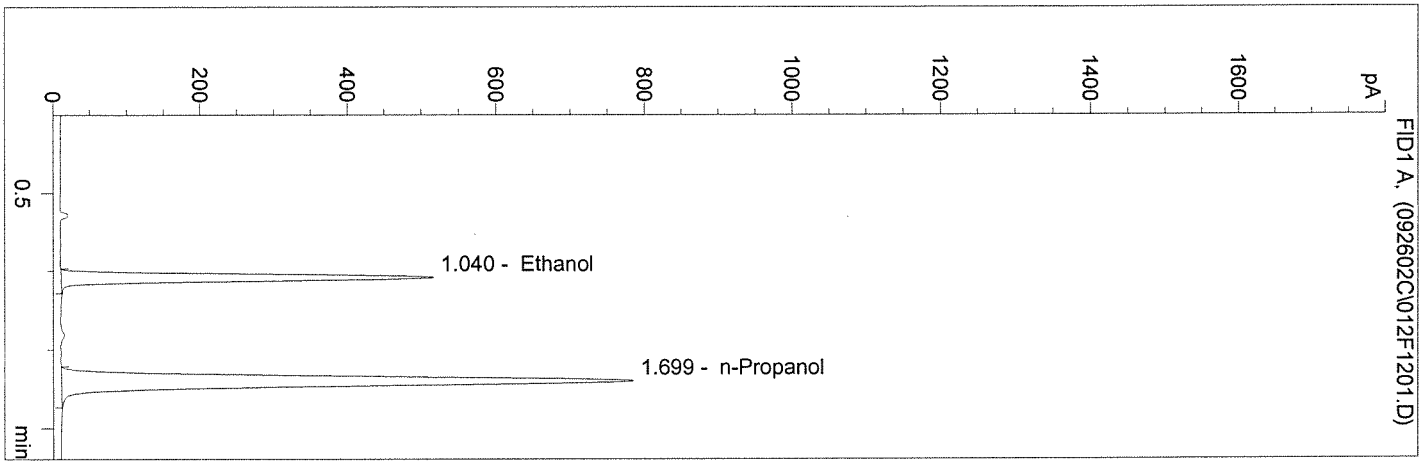
Instrument 1
-ALC1

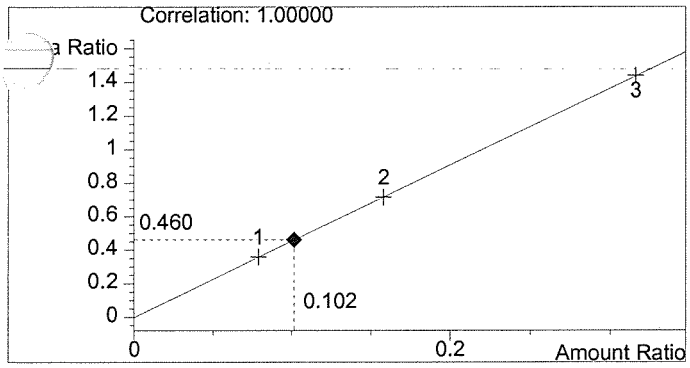
02034 SIM SOLN
M PEMBERTON

vial # 12

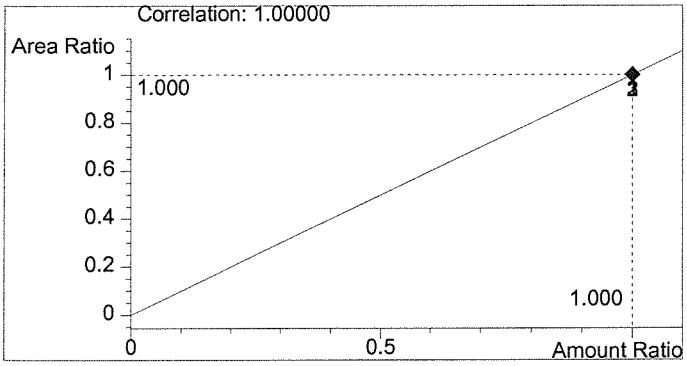


#	Compound	Area	RT
1	Ethanol	1485	1.040
2	n-Propanol	3226	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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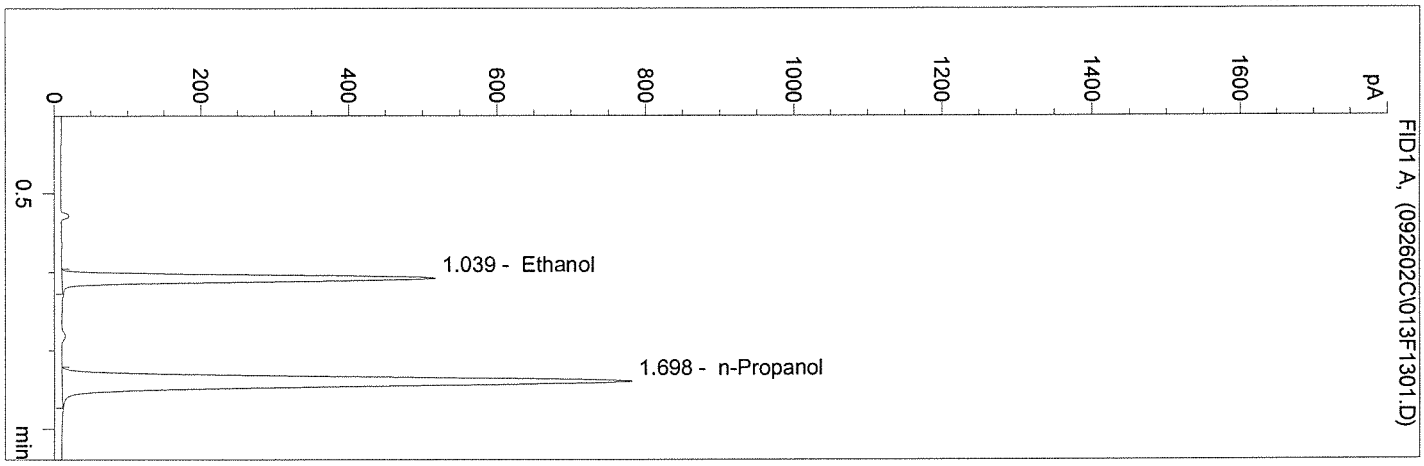
9/26/02 8:49:21 AM
Instrument 1
-ALC1

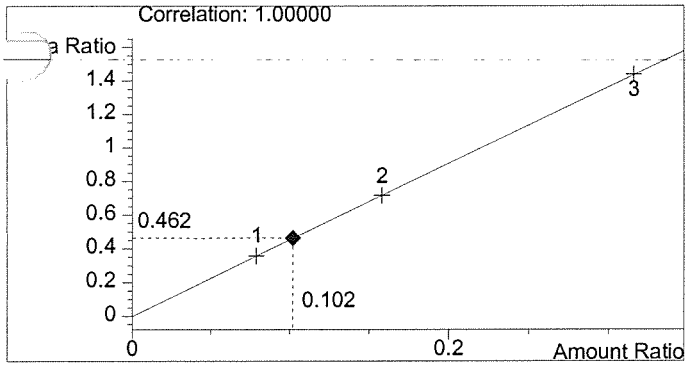
02034 SIM SOLN
M PEMBERTON

vial # 13

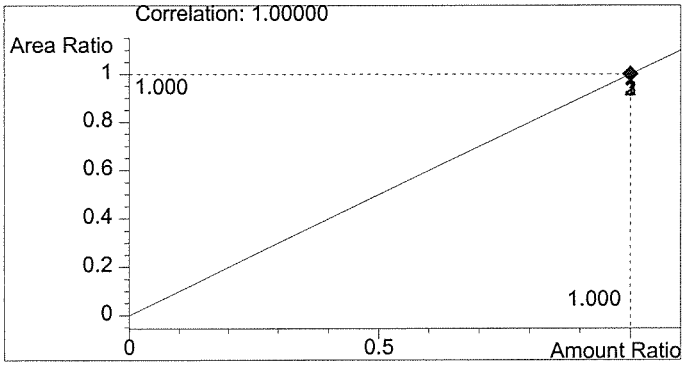


#	Compound	Area	RT
1	Ethanol	1479	1.039
2	n-Propanol	3200	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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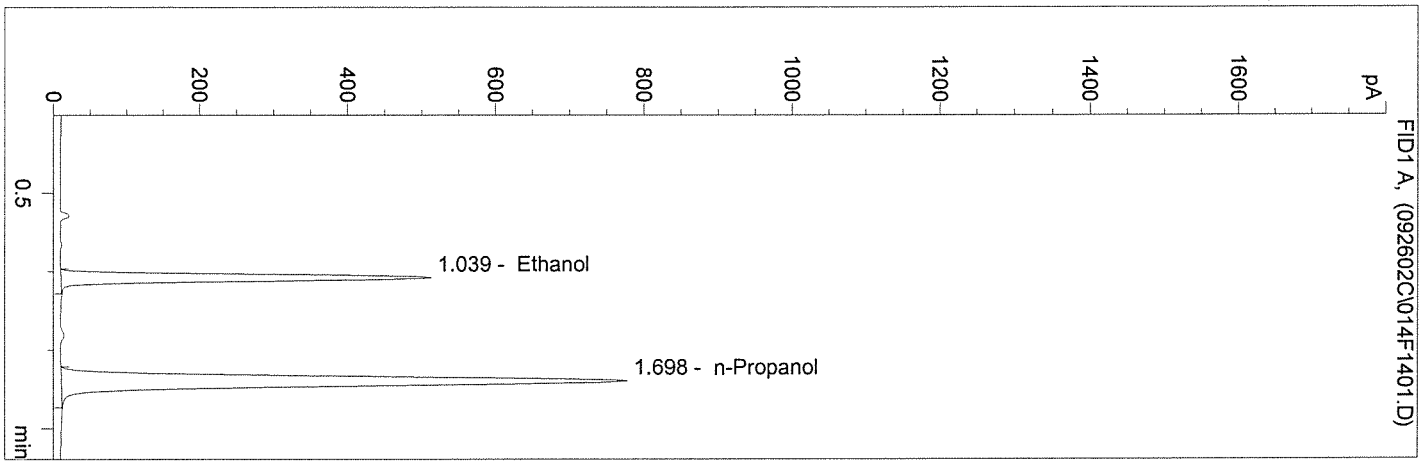
9/26/02 8:52:07 AM
Instrument 1
-ALC1

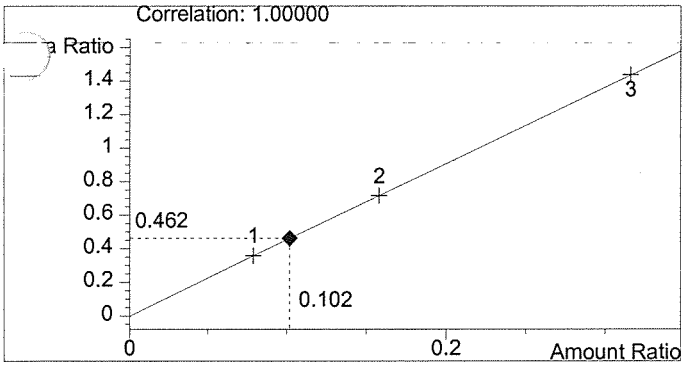
02034 SIM SOLN
M PEMBERTON

vial # 14

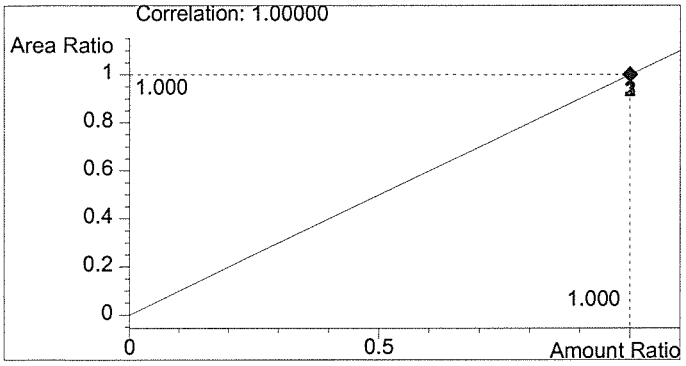


#	Compound	Area	RT
1	Ethanol	1474	1.039
2	n-Propanol	3193	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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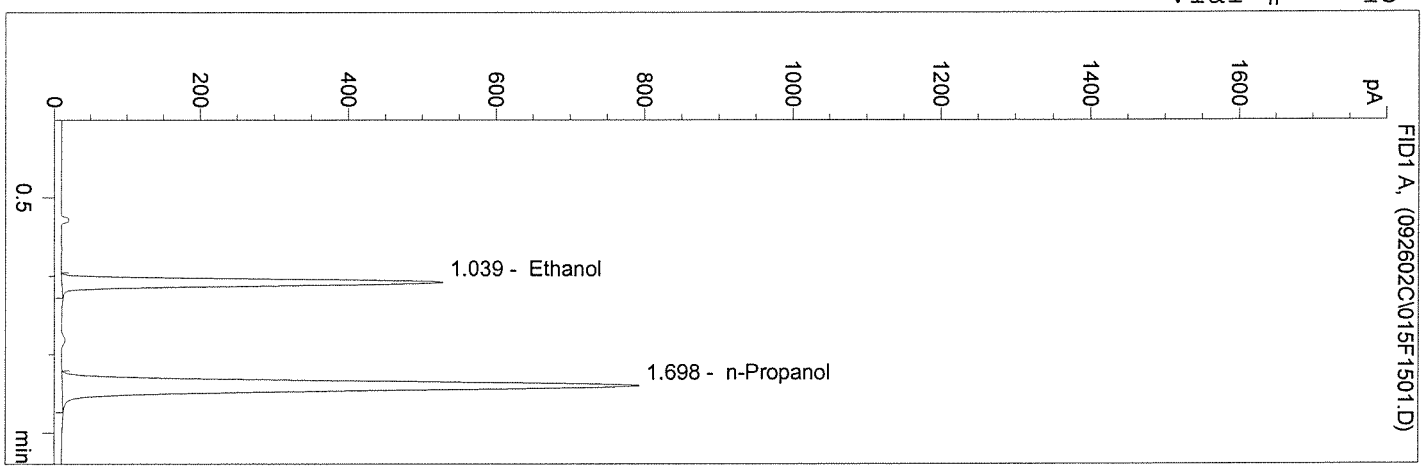
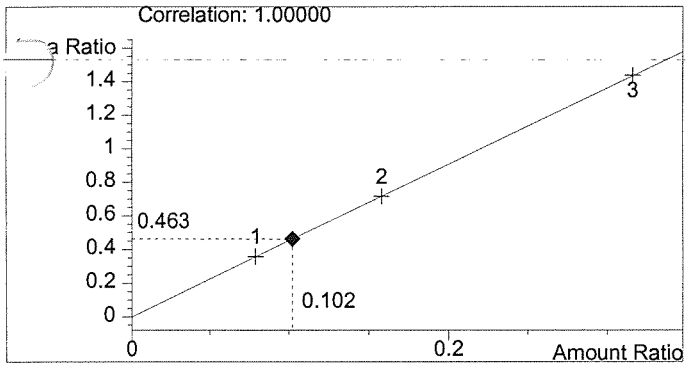
Instrument 1
-ALC1

02034 SIM SOLN
M PEMBERTON

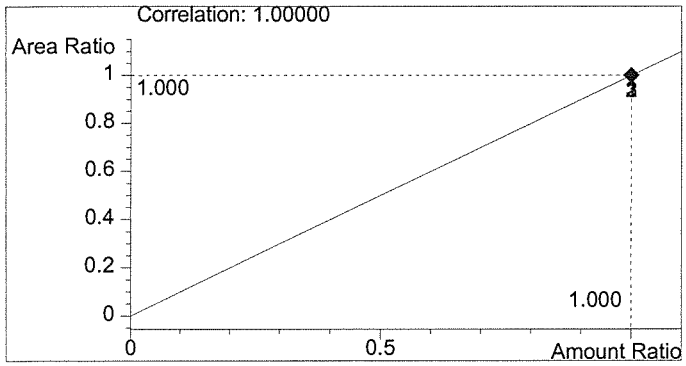
vial # 15



#	Compound	Area	RT
1	Ethanol	1507	1.039
2	n-Propanol	3252	1.698
Totals:			



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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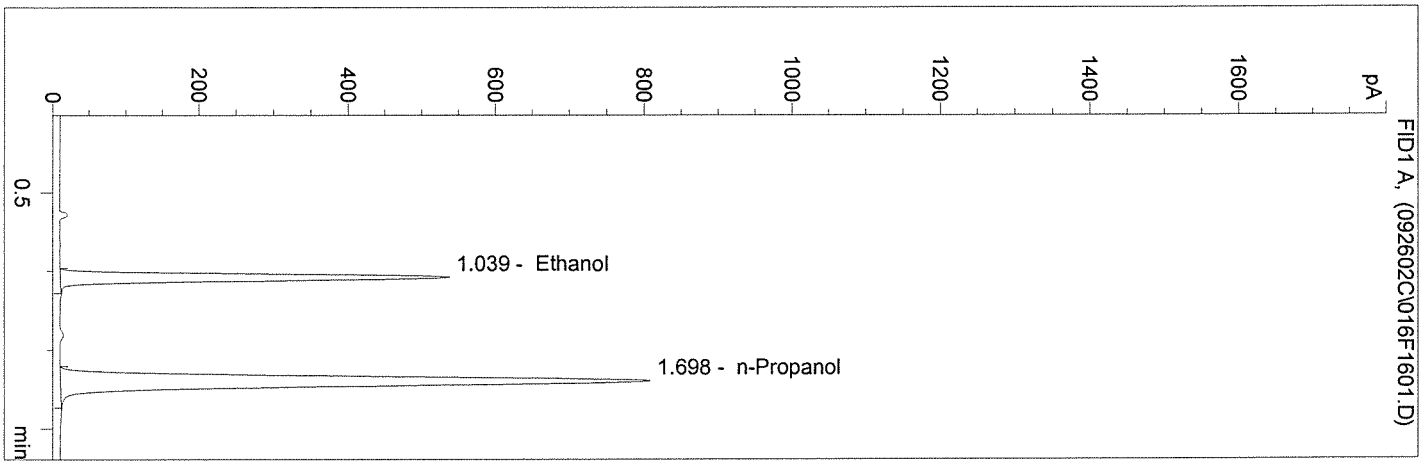
9/26/02 8:57:32 AM
Instrument 1
-ALC1

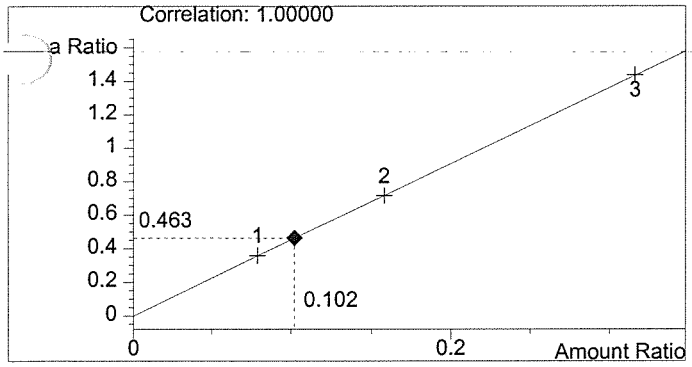
02034 SIM SOLN
M PEMBERTON

vial # 16

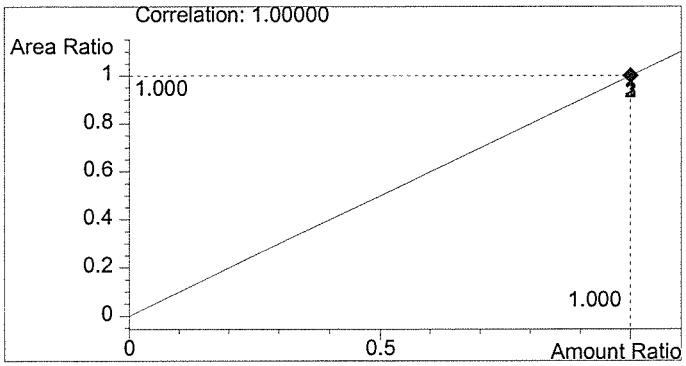


#	Compound	Area	RT
1	Ethanol	1530	1.039
2	n-Propanol	3306	1.698

Totals:



Ethanol 0.102 g/100ml



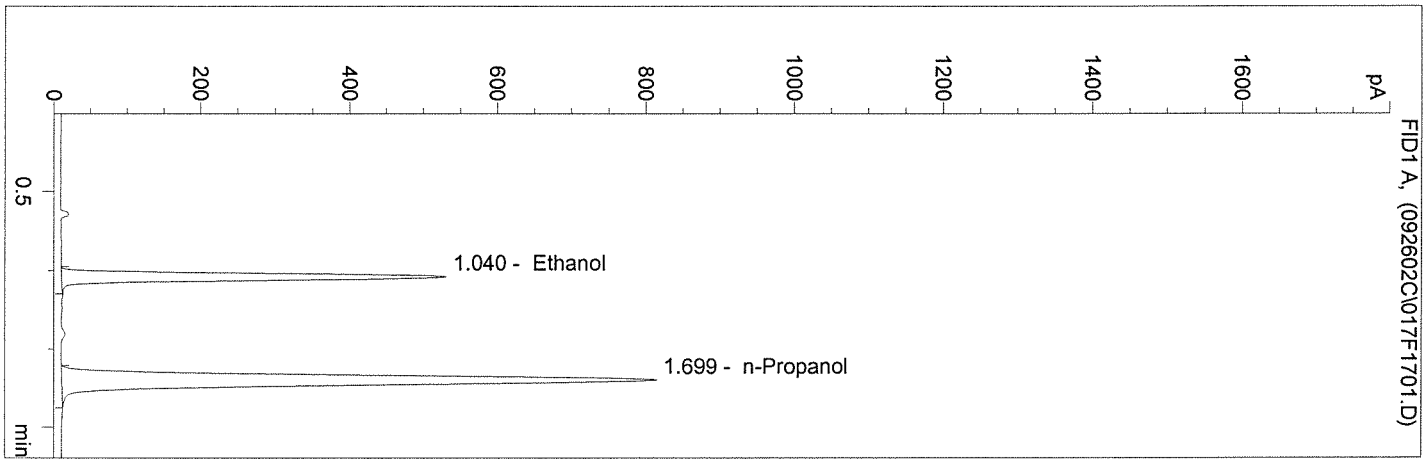
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
9/26/02 9:01:01 AM
Instrument 1
-ALC1

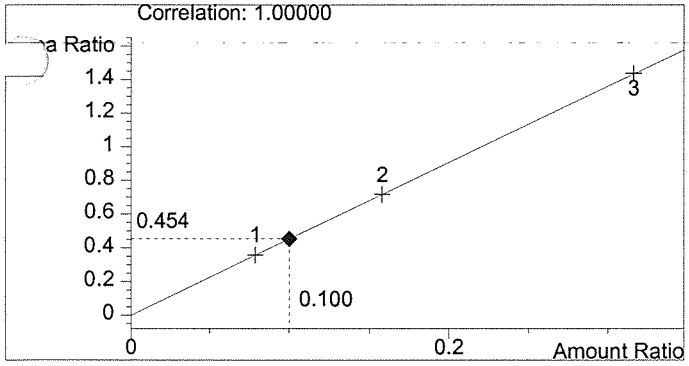
0.10 CONTROL
M PEMBERTON

vial # 17

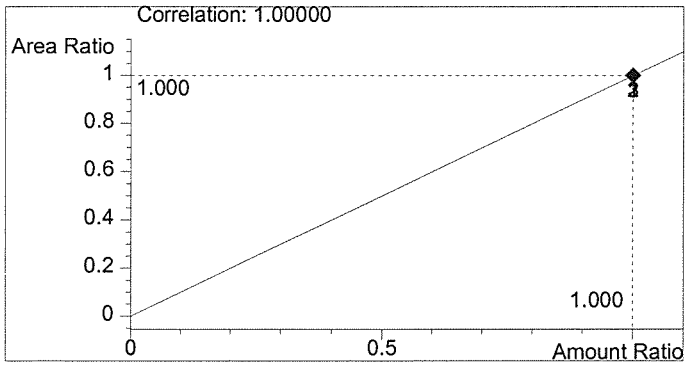


#	Compound	Area	RT
1	Ethanol	1516	1.040
2	n-Propanol	3337	1.699

Totals:



Ethanol 0.100 g/100ml



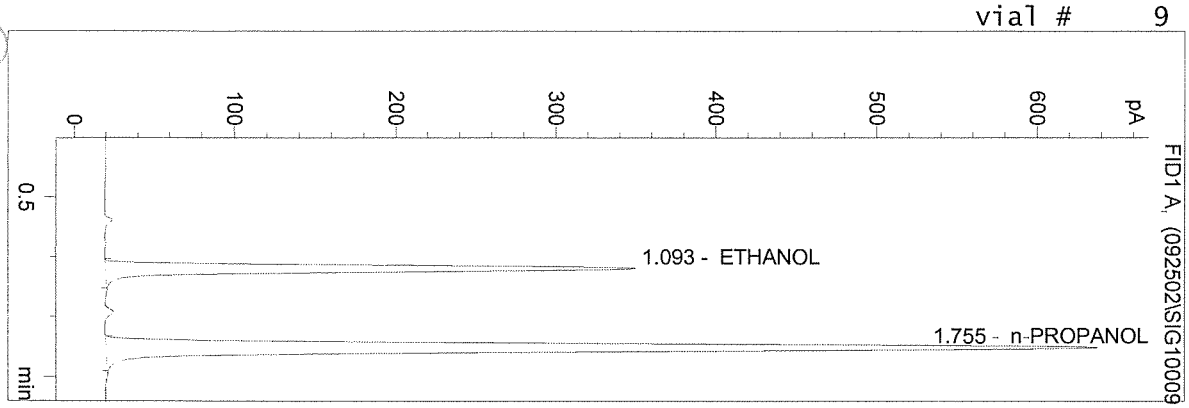
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
9/25/02 9:05:27 AM
Instrument 3
DB-ALC1

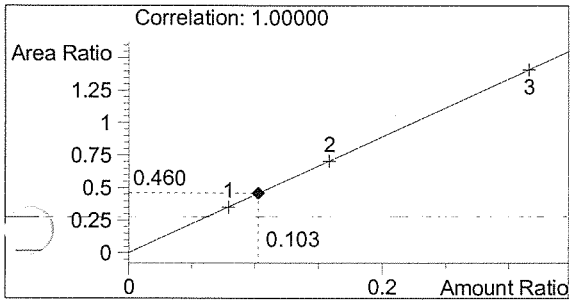
sim 02034 .08
MARY WILSON

vial # 9

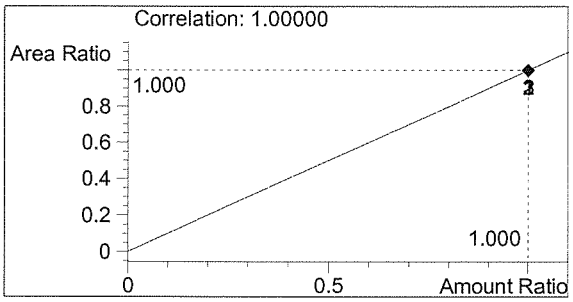


#	Compound	Area	RT
1	ETHANOL	1286	1.093
2	n-PROPANOL	2797	1.755

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M
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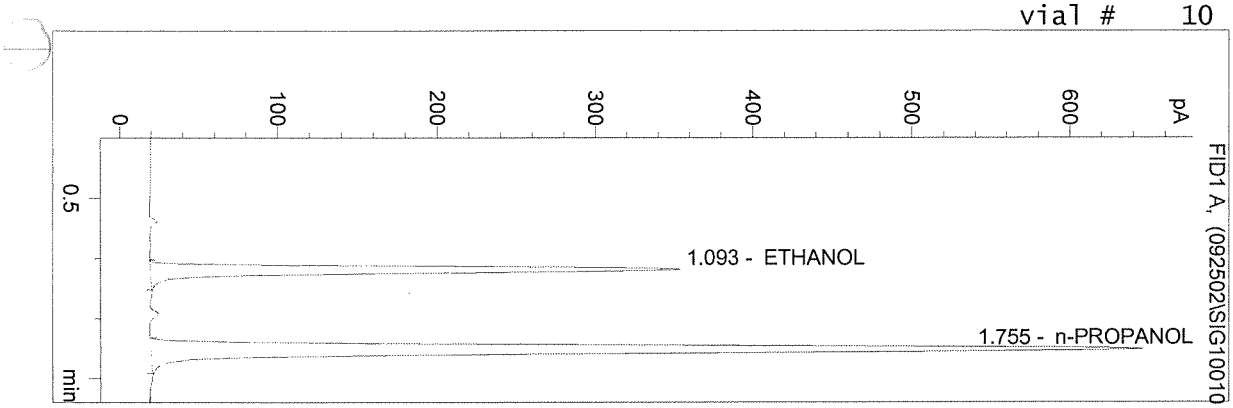
Instrument 3
DB-ALC1

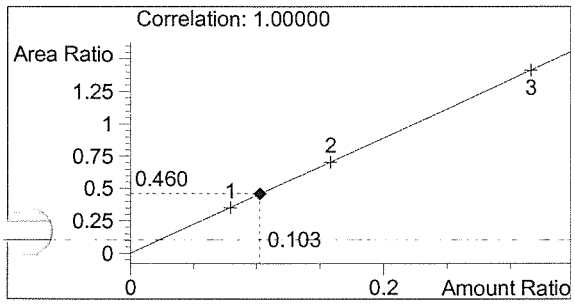
sim 02034 .08
MARY WILSON

vial # 10

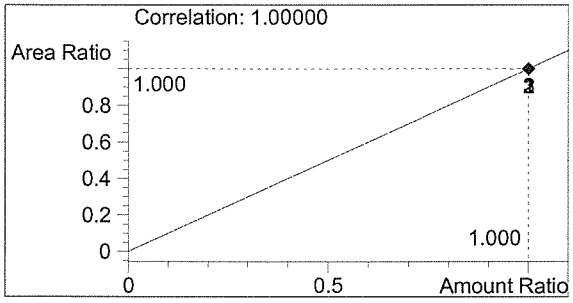


#	Compound	Area	RT
1	ETHANOL	1301	1.093
2	n-PROPANOL	2829	1.755

Totals:



ETHANOL 0.103 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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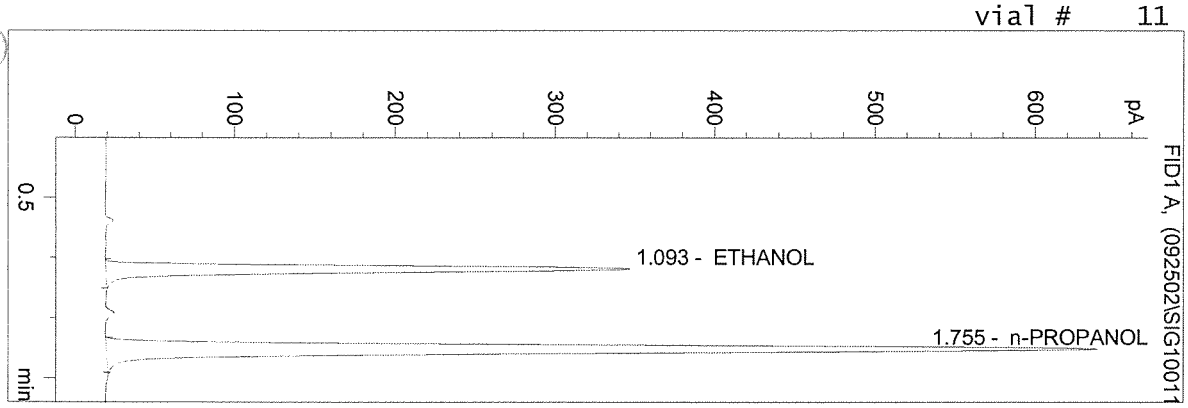
9/25/02 9:12:01 AM
Instrument 3
DB-ALC1

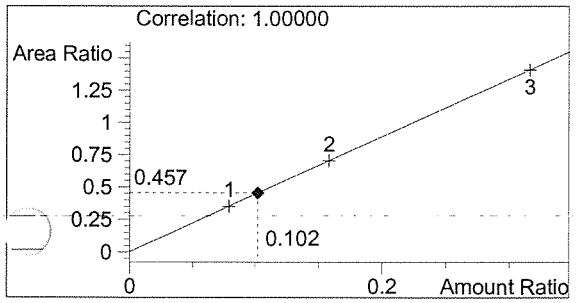
sim 02034 .08
MARY WILSON

vial # 11

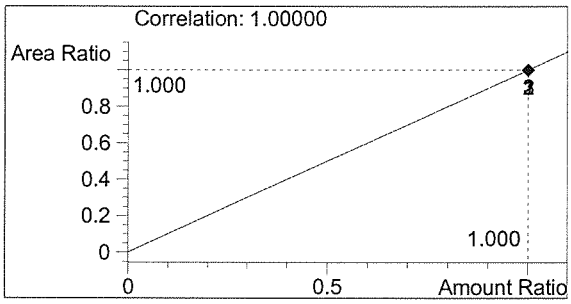


#	Compound	Area	RT
1	ETHANOL	1299	1.093
2	n-PROPANOL	2842	1.755

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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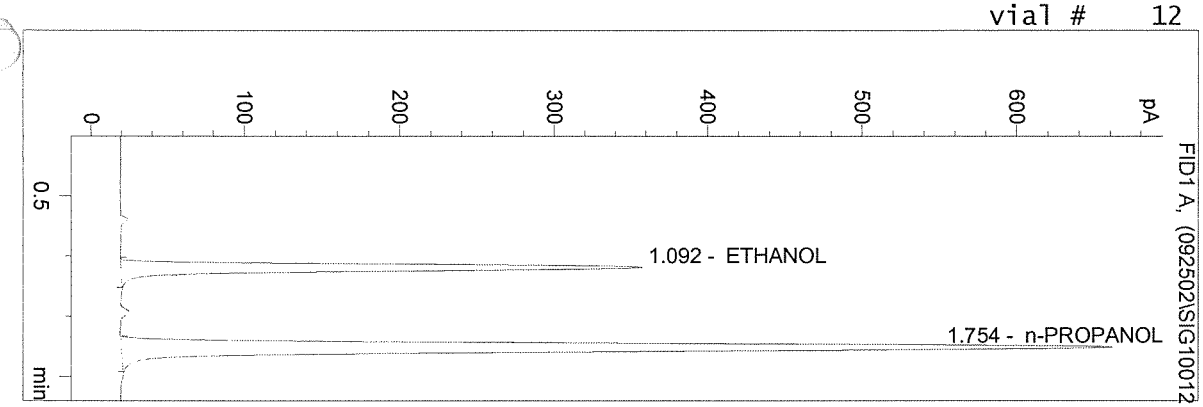
Instrument 3
DB-ALC1

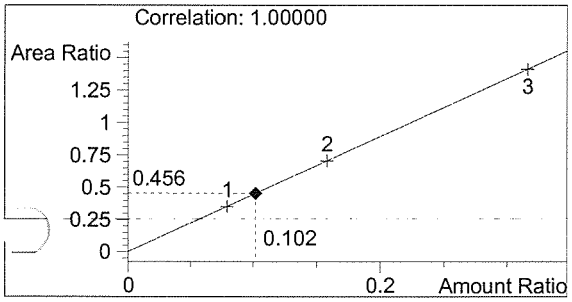
sim 02034 .08
MARY WILSON

vial # 12

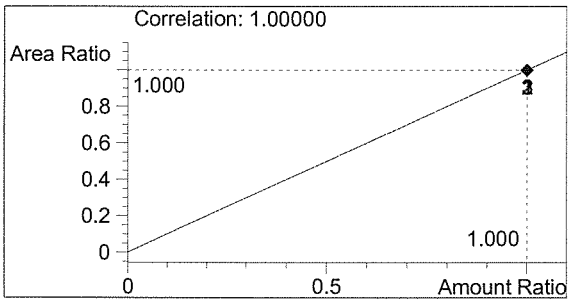


#	Compound	Area	RT
1	ETHANOL	1331	1.092
2	n-PROPANOL	2922	1.754

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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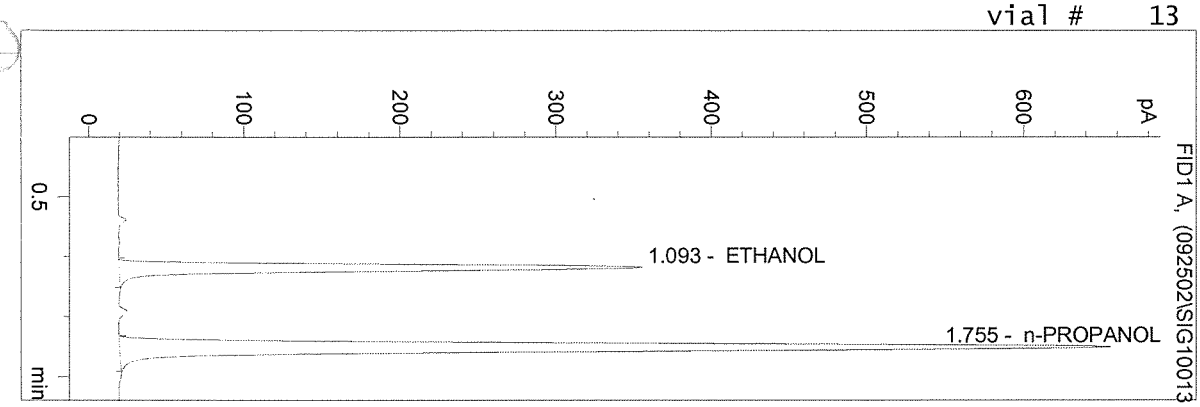
Instrument 3
DB-ALC1

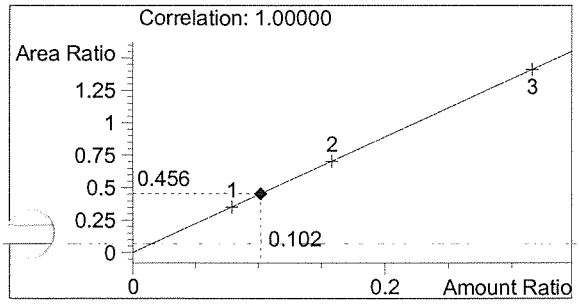
sim 02034 .08
MARY WILSON

vial # 13

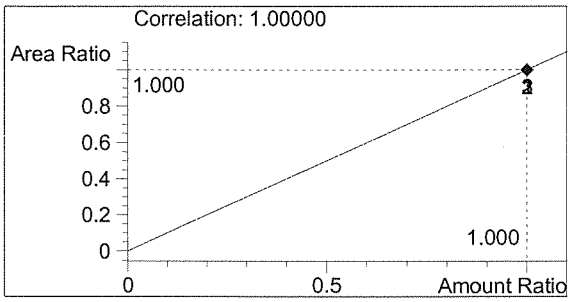


#	Compound	Area	RT
1	ETHANOL	1315	1.093
2	n-PROPANOL	2886	1.755

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
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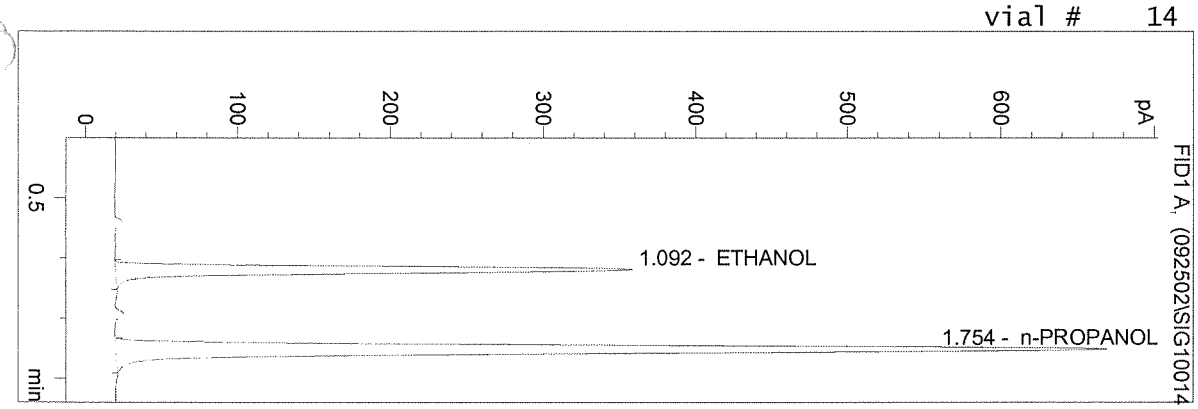
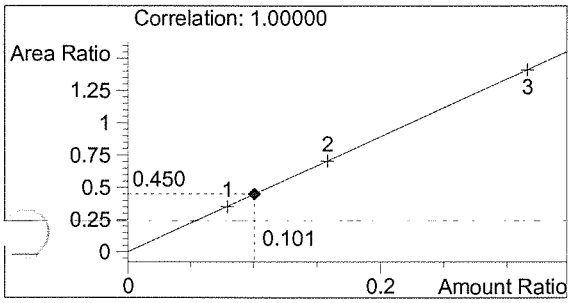
0.10 CONTROL
MARY WILSON

vial # 14

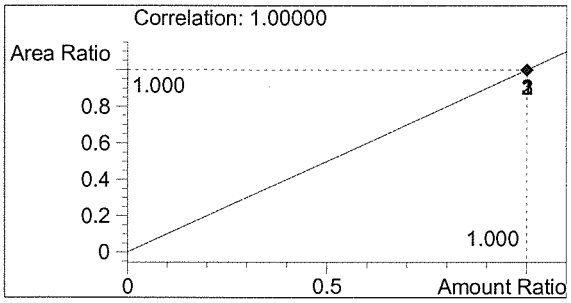


#	Compound	Area	RT
1	ETHANOL	1330	1.092
2	n-PROPANOL	2952	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 3
DB-ALC1

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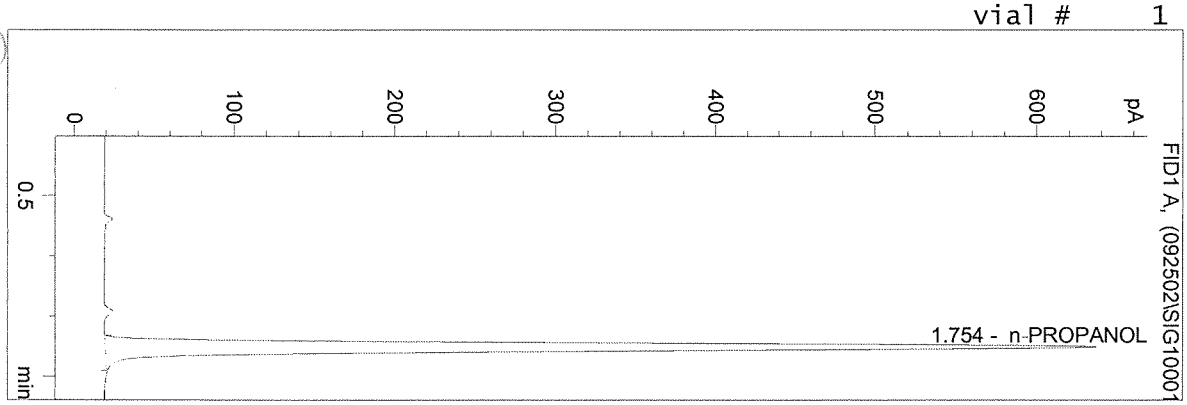
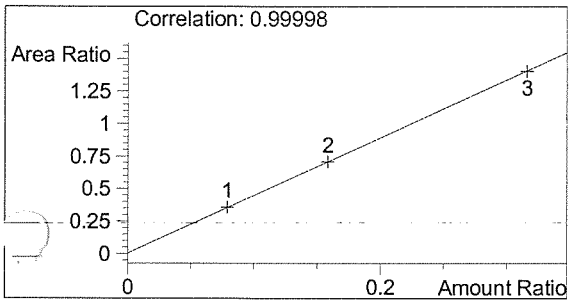
MARY WILSON

vial # 1

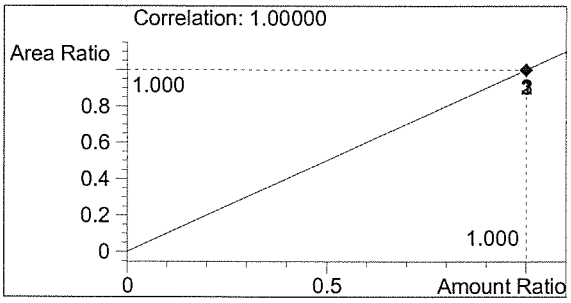


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2820	1.754

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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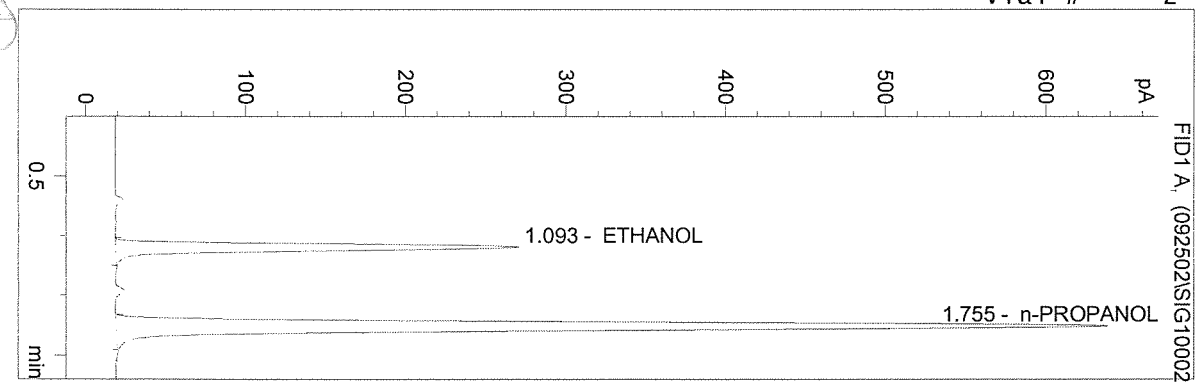
9/25/02 8:42:35 AM
Instrument 3
DB-ALC1

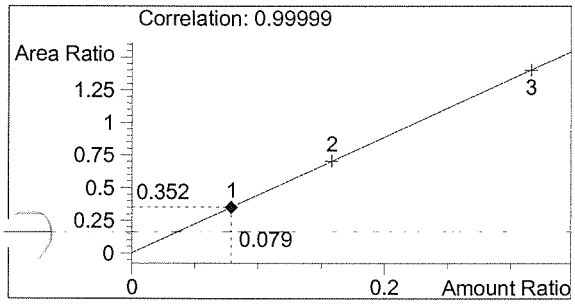
0.079 CAL
MARY WILSON

vial # 2

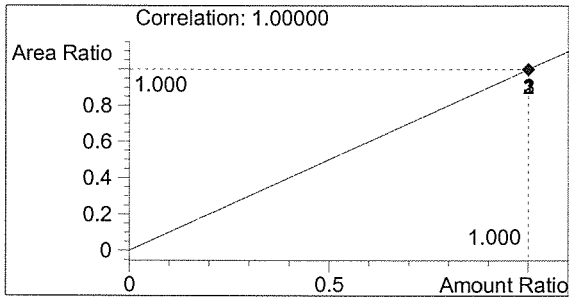


#	Compound	Area	RT
1	ETHANOL	1004	1.093
2	n-PROPANOL	2853	1.755

Totals:



ETHANOL 0.079 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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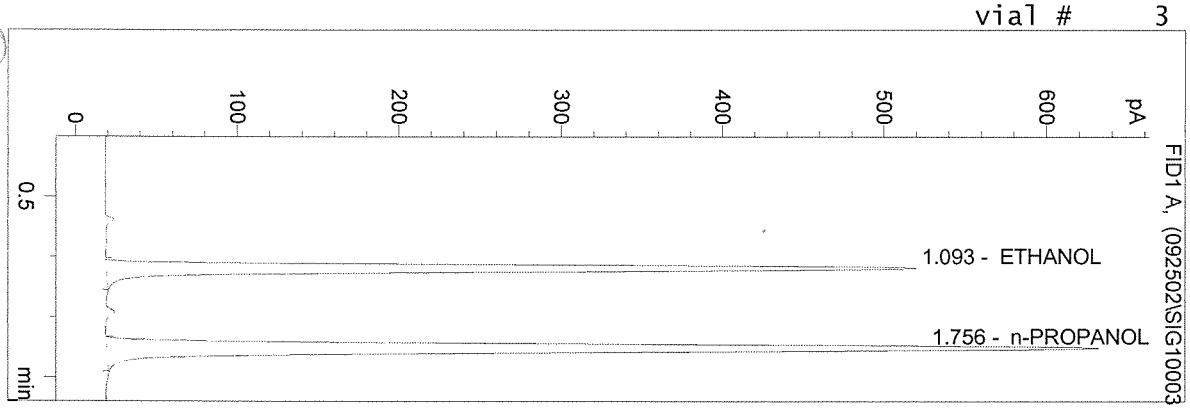
9/25/02 8:45:44 AM
Instrument 3
DB-ALC1

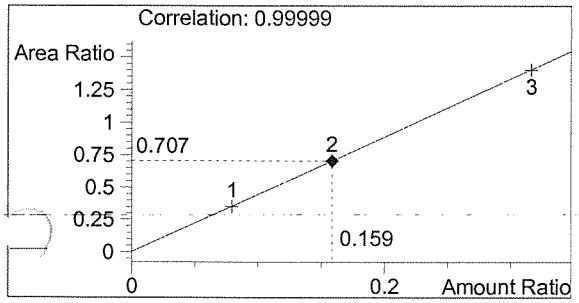
0.158 CAL
MARY WILSON

vial # 3

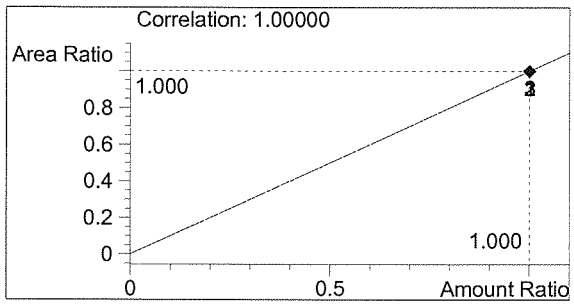


#	Compound	Area	RT
1	ETHANOL	1973	1.093
2	n-PROPANOL	2792	1.756

Totals:



ETHANOL 0.159 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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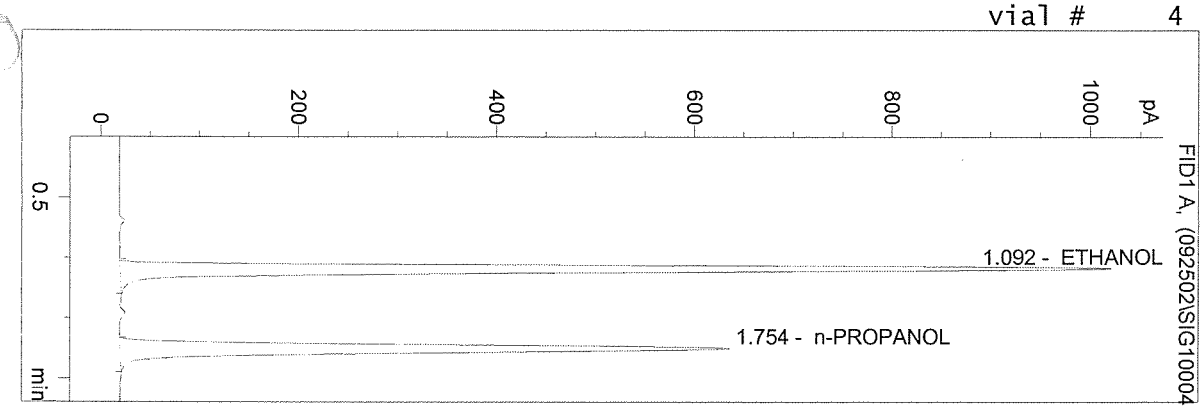
9/25/02 8:49:07 AM
Instrument 3
DB-ALC1

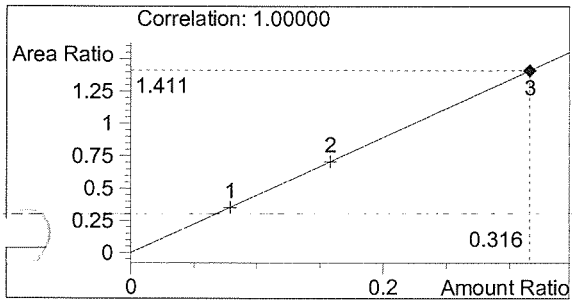
0.316 CAL
MARY WILSON

vial # 4

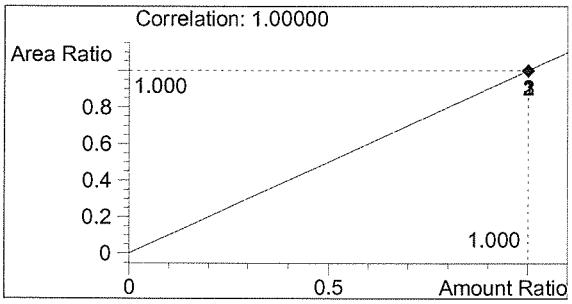


#	Compound	Area	RT
1	ETHANOL	3991	1.092
2	n-PROPANOL	2828	1.754

Totals:



ETHANOL 0.316 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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9/25/02 8:52:34 AM
Instrument 3
DB-ALC1

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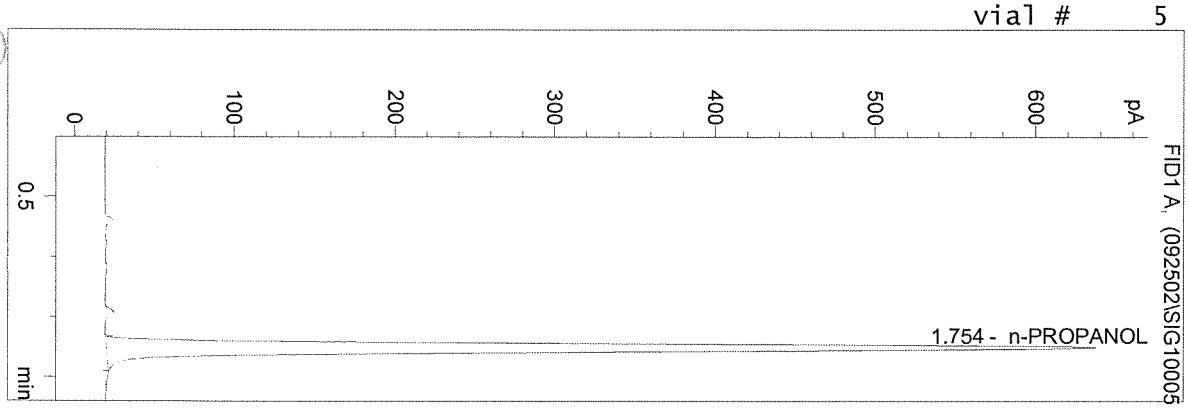
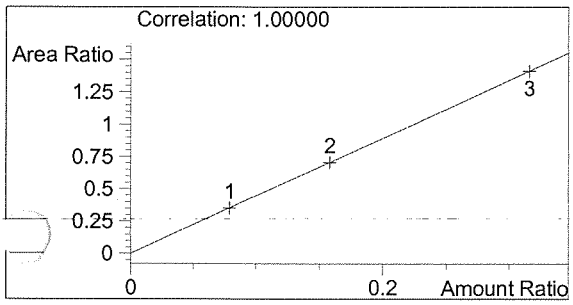
MARY WILSON

vial # 5

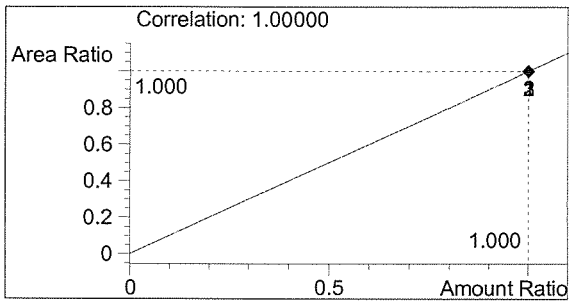


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2811	1.754

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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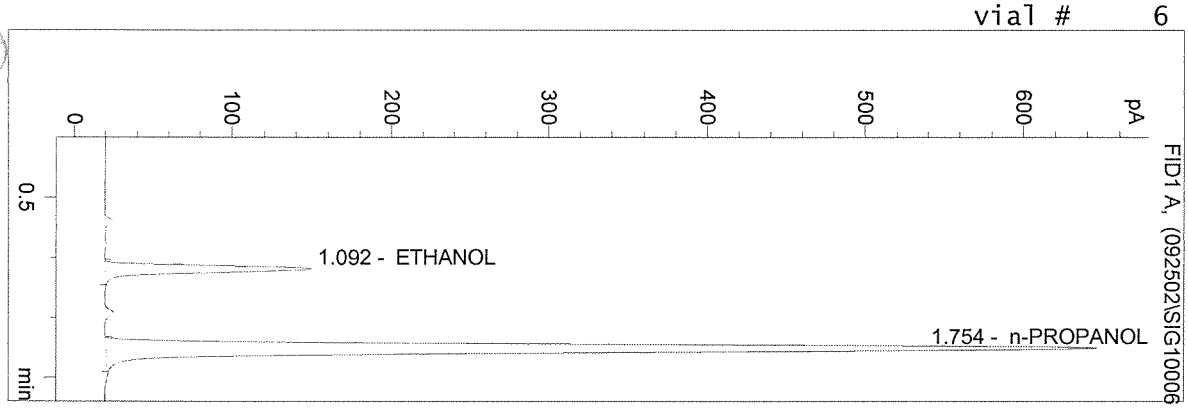
9/25/02 8:55:44 AM
Instrument 3
DB-ALC1

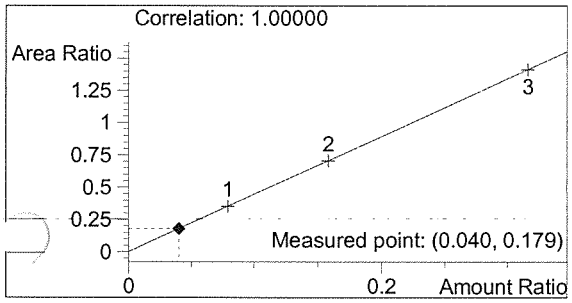
0.04 CAP
MARY WILSON

vial # 6

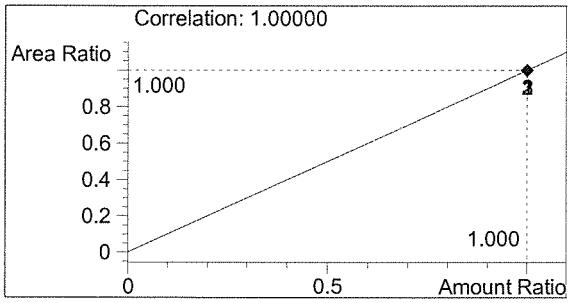


#	Compound	Area	RT
1	ETHANOL	511	1.092
2	n-PROPANOL	2853	1.754

Totals:



ETHANOL 0.040 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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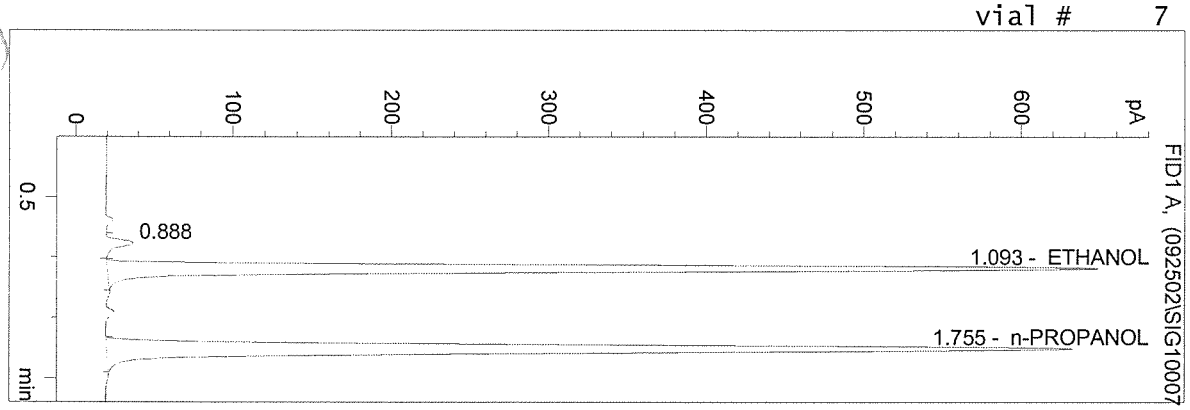
9/25/02 8:58:53 AM
Instrument 3
DB-ALC1

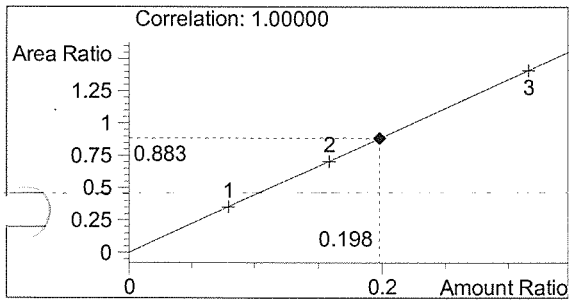
0.20 CONTROL
MARY WILSON

vial # 7

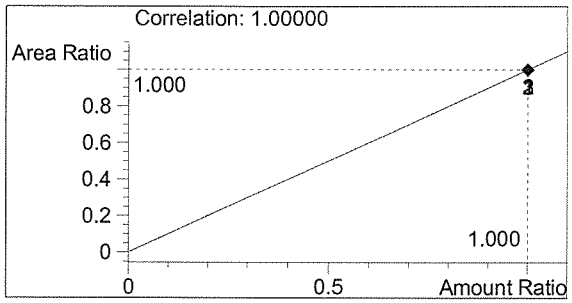


#	Compound	Area	RT
1		70	0.888
2	ETHANOL	2450	1.093
3	n-PROPANOL	2773	1.755

Totals:



ETHANOL 0.198 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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9/25/02 9:02:03 AM
Instrument 3
DB-ALC1

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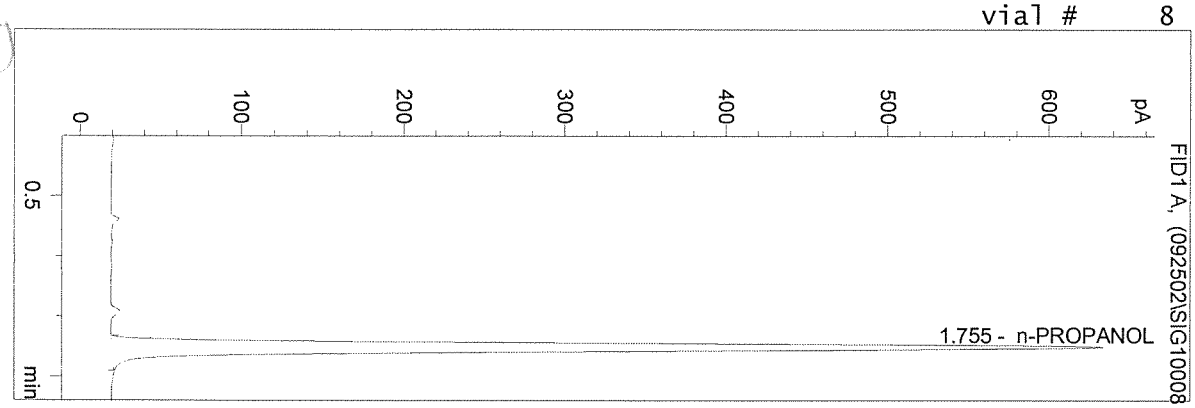
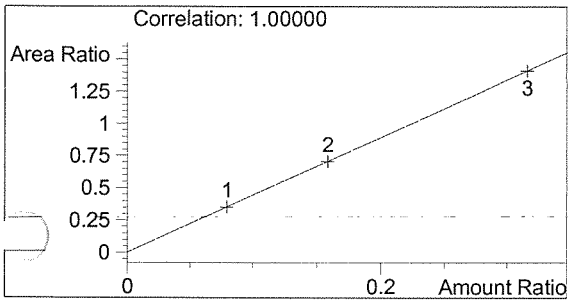
MARY WILSON

vial # 8

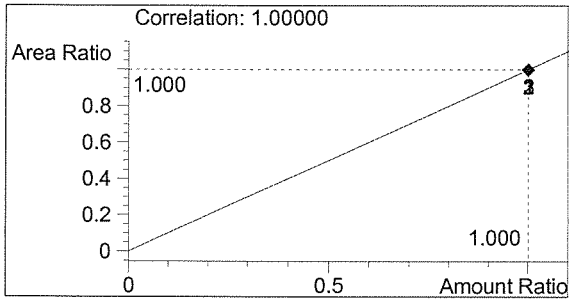


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2788	1.755

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL