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 **02038** Date: 11/6/2002

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	0.102	0.101	0.102	0.101	0.100	0.102	0.101	0.100		
2	0.101	0.101	0.102	0.102	0.102	0.101	0.102	0.103	0.102	0.102		
3	0.101	0.101	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.101		
4	0.102	0.102	0.102	0.102	0.102	0.101	0.102	0.103	0.101	0.101		
5	0.102	0.102	0.102	0.102	0.102	0.101	0.102	0.104	0.101	0.101		
Ctrl	0.096	0.097	0.100	0.100	0.100	0.100	0.098	0.101	0.099	0.099		

External Control:

Lot #: A021986 Exp date: 01/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1017 g/100 mL

SD: 0.00072

Range (3xSD): 0.0995 to 0.1038

Precision CV (%): 0.7068 %

Equivalent vapor concent.: 0.0827 g/210L

Analyst	Name	Signature	Date
1	Jayne Thatcher	Jayne E. Thatcher	11/06/02
2	Melissa Pemberton	Melissa L. Pemberton	11/06/02
3	Eugene Schwilke	Gene Schwilke	11/08/02
4	Naziha Nuwayhid, PhD	[illegible]	11/08/02
5	Estuardo J. Miranda	[illegible]	11/12/02
6	Ann Marie Gordon	[illegible]	11/13/02
7	Ruth Luthi	Ruth Luthi	11/13/02
8	Mary E Wilson	[illegible]	11/13/02
9	William P Marshall	[illegible]	11/14/02
10	Edward Formoso	[illegible]	11/27/02
11			
12			

Prepared by: Jayne Thatcher Jayne E. Thatcher 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 02037, was prepared in the Washington State Toxicology Laboratory on 11/1/02. 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 11/1/03.

Dated: 11/27/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

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

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

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

The simulator solution, Lot Number 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/nf
JTSIMSOL

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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Gene Schwilke

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, 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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Naziha Nuwayhid, Ph.D.
Forensic Toxicologist

NN/nf
NNSIMSOL

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BAC VERIFIER DATAMASTER 0.08 SIMULATOR SOLUTION CERTIFICATION

I, 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 02038 was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

AMG/nf
AGSIMSOL

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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/nf
MEWSIMSOL

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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/nf
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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 02038, was prepared in the Washington State Toxicology Laboratory on 11/6/02. 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 11/6/03.

Dated: 11/27/02
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

EJF/nf
EFSIMSOL

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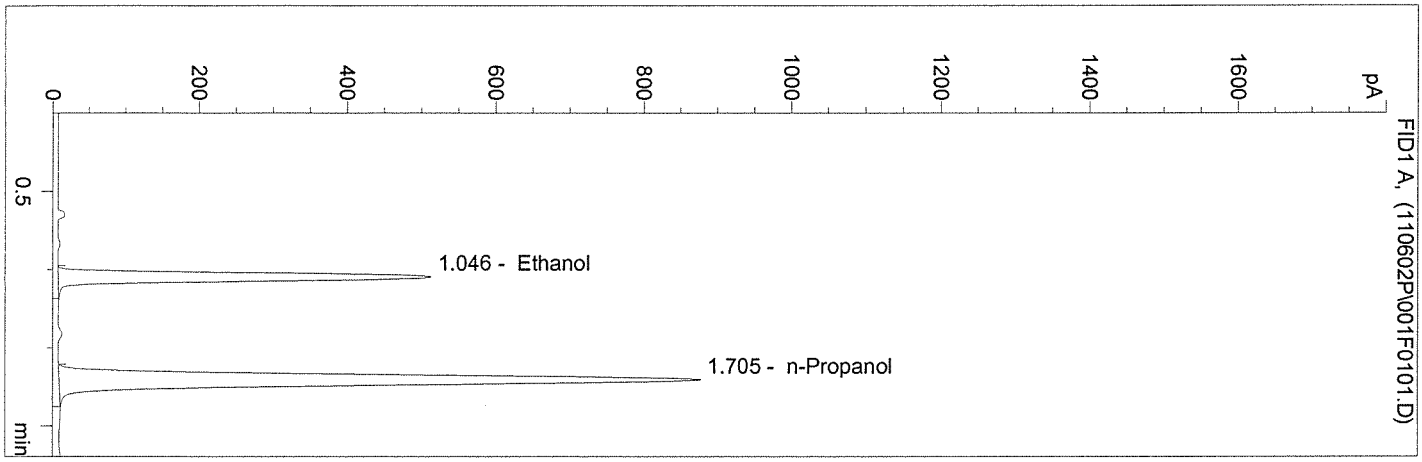
C:\HPCHEM\1\METHODS\BLDALCO.M
11/6/02 12:19:32 PM
Instrument 1
-ALC]

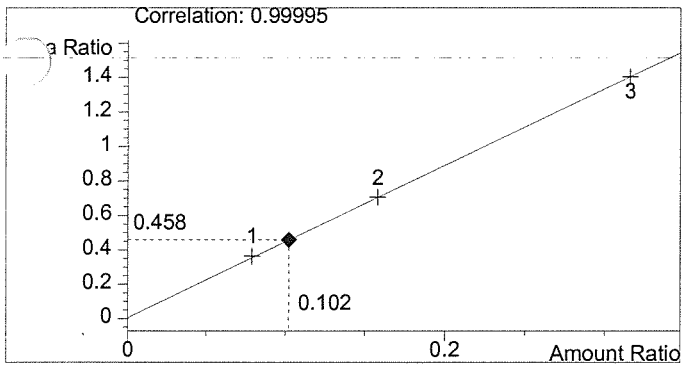
02038 SIM SOLN
M PEMBERTON

vial # 1

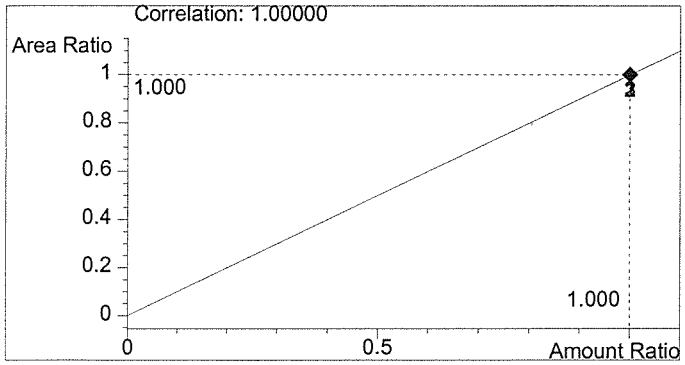


#	Compound	Area	RT
1	Ethanol	1765	1.046
2	n-Propanol	3849	1.705

Totals:



Ethanol 0.102 g/100ml



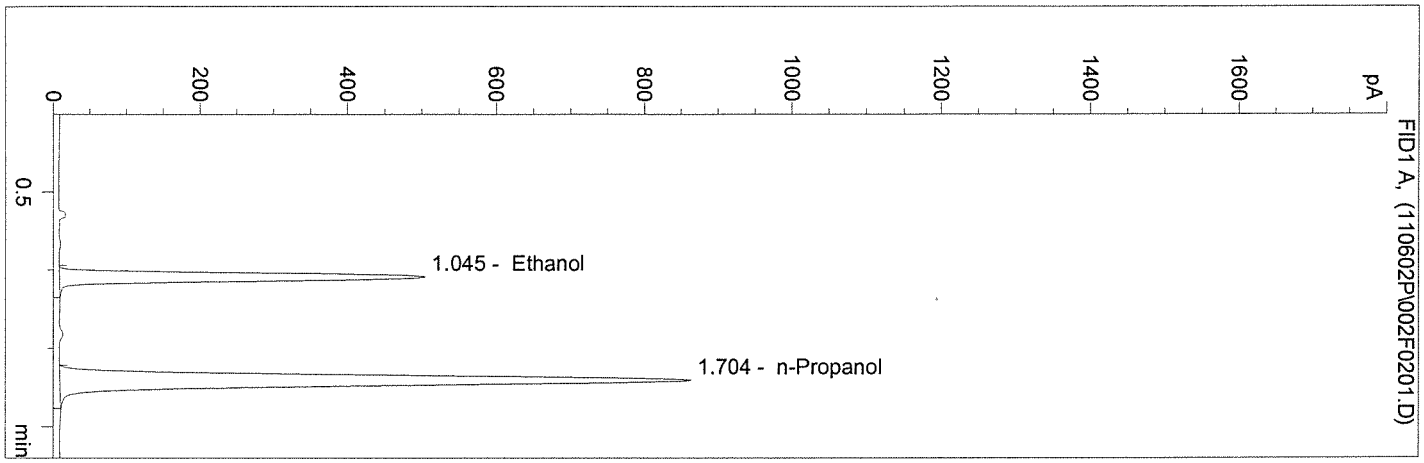
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/6/02 12:22:35 PM
Instrument 1
-ALC1

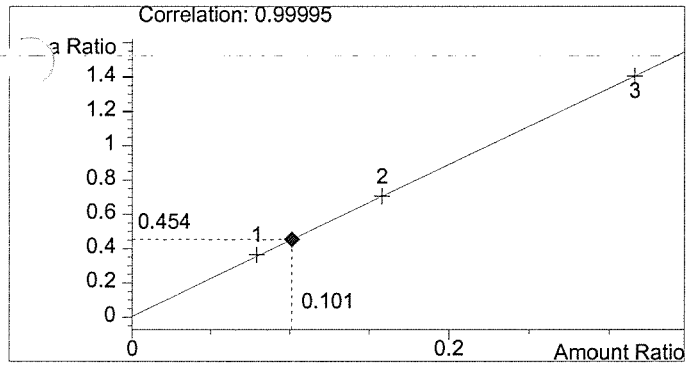
02038 SIM SOLN
M PEMBERTON

vial # 2

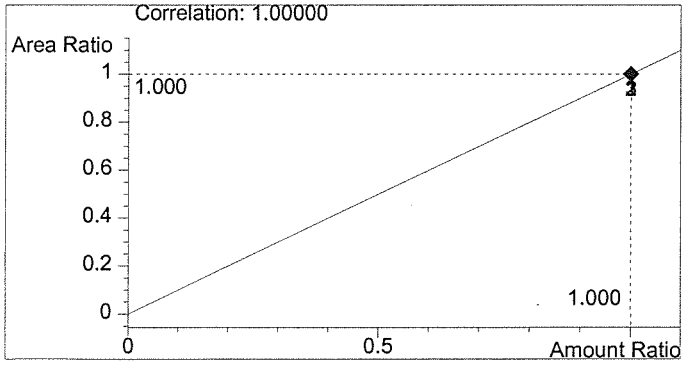


#	Compound	Area	RT
1	Ethanol	1711	1.045
2	n-Propanol	3767	1.704

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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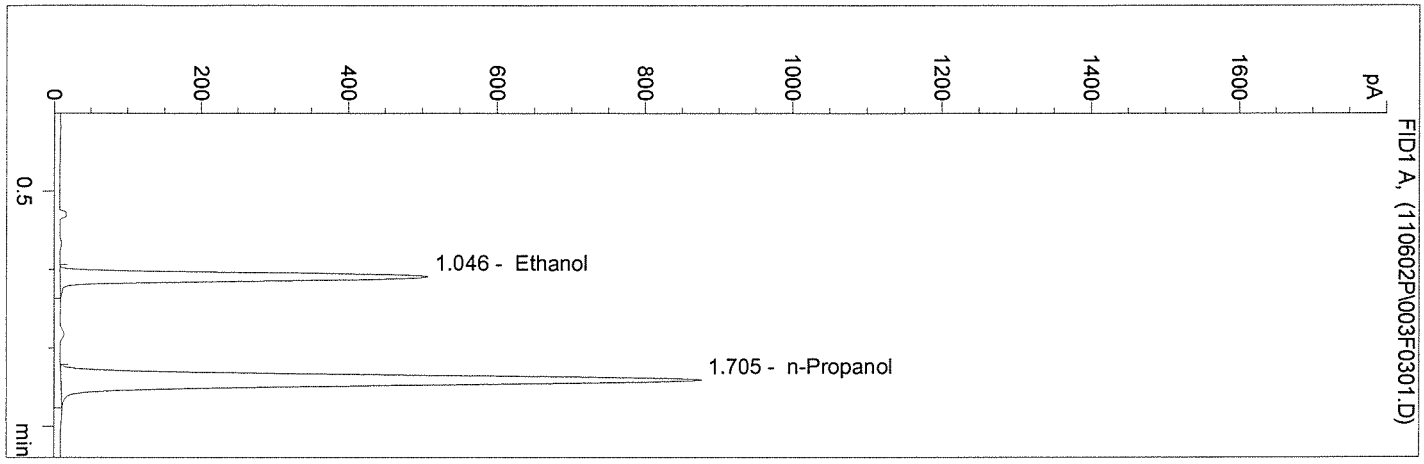
Instrument 1
DB-ALC1

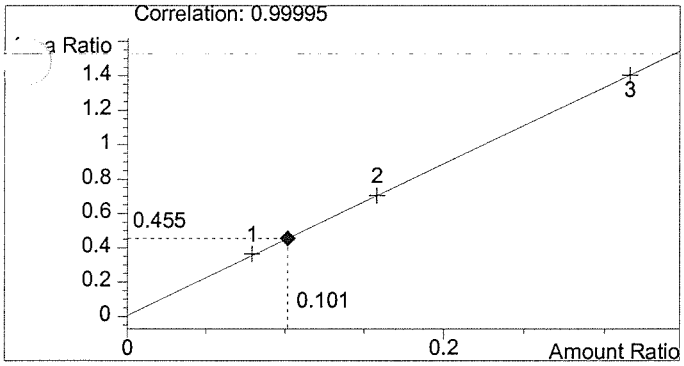
02038 SIM SOLN
M PEMBERTON

vial # 3

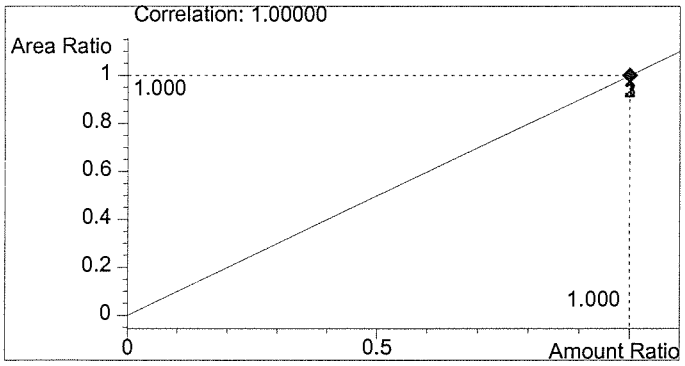


#	Compound	Area	RT
1	Ethanol	1749	1.046
2	n-Propanol	3839	1.705

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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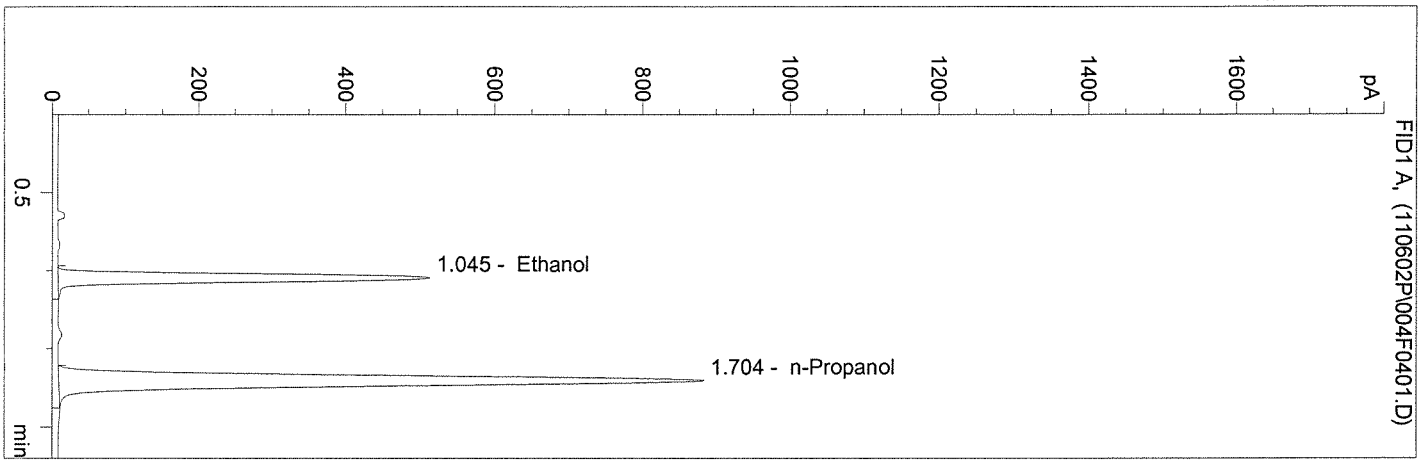
Instrument 1
-ALC1

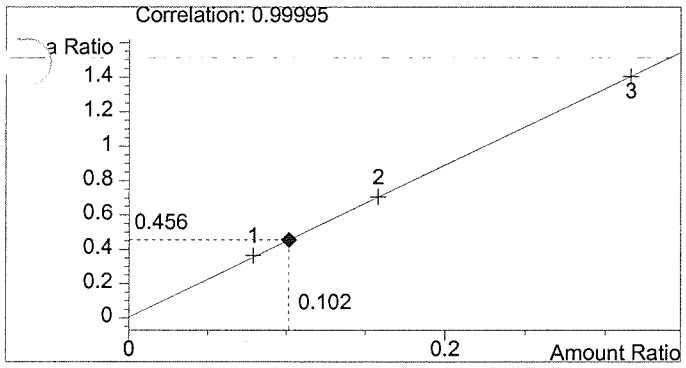
02038 SIM SOLN
M PEMBERTON

vial # 4

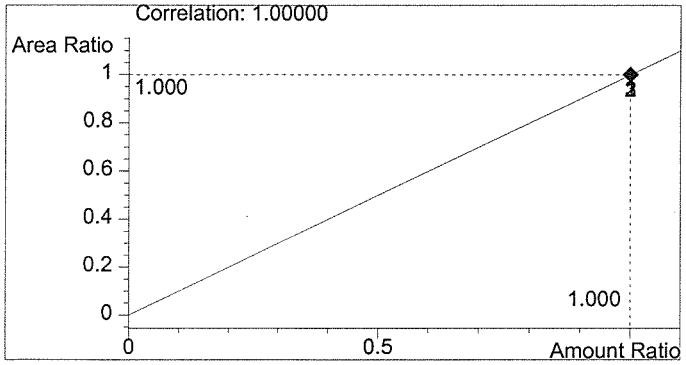


#	Compound	Area	RT
1	Ethanol	1765	1.045
2	n-Propanol	3870	1.704

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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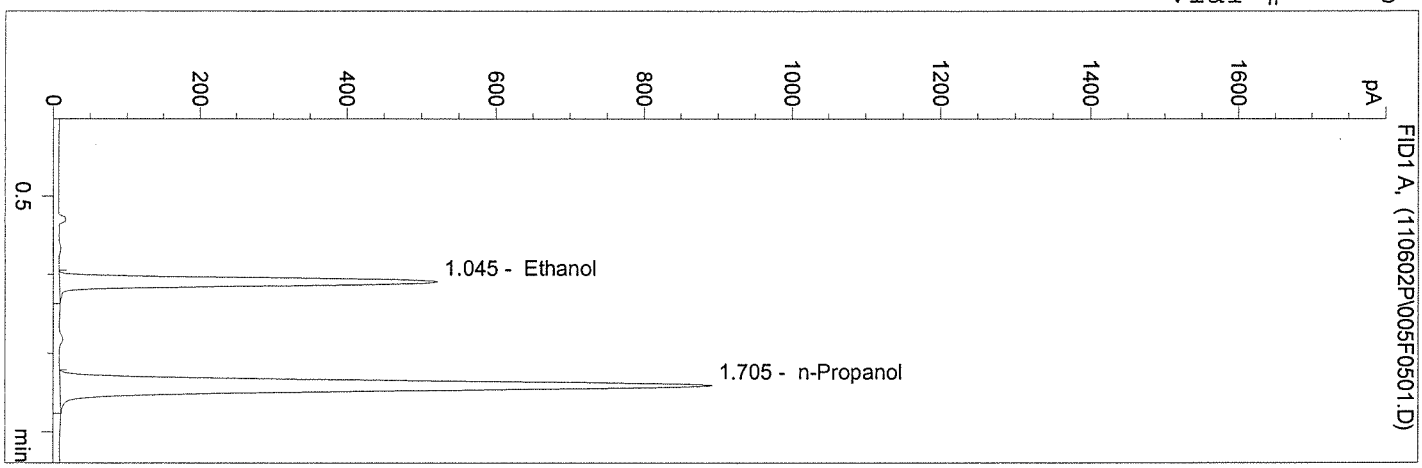
C:\HPCHEM\1\METHODS\BLDALCO.M
11/6/02 12:31:58 PM
Instrument 1
DR-ALC1

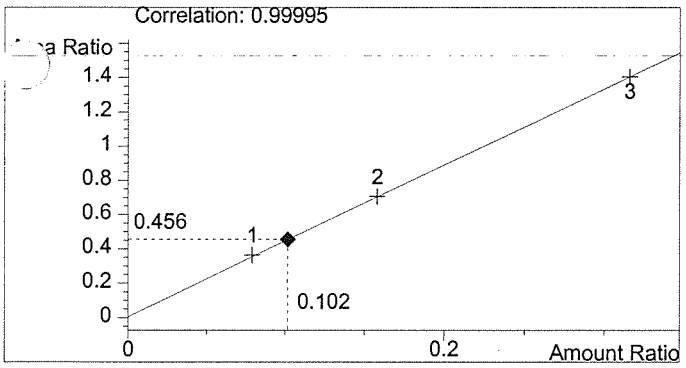
02038 SIM SOLN
M PEMBERTON

vial # 5

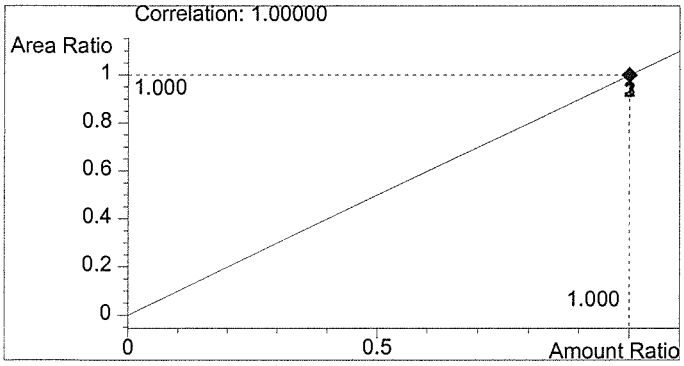


#	Compound	Area	RT
1	Ethanol	1775	1.045
2	n-Propanol	3895	1.705

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

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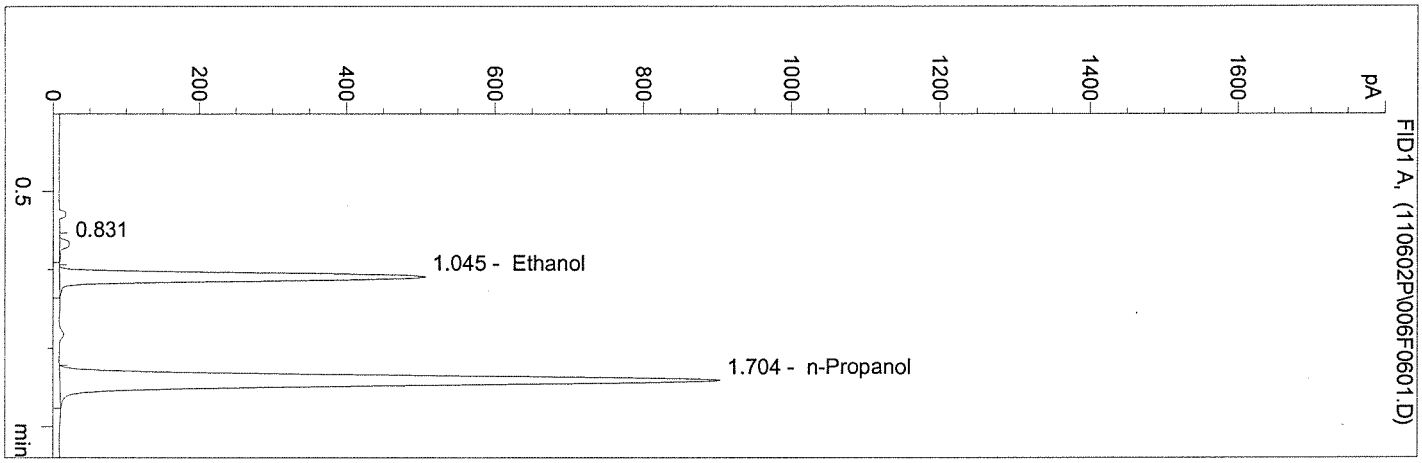
C:\HPCHEM\1\METHODS\BLDALCO.M
11/6/02 12:35:00 PM
Instrument 1
-ALC1

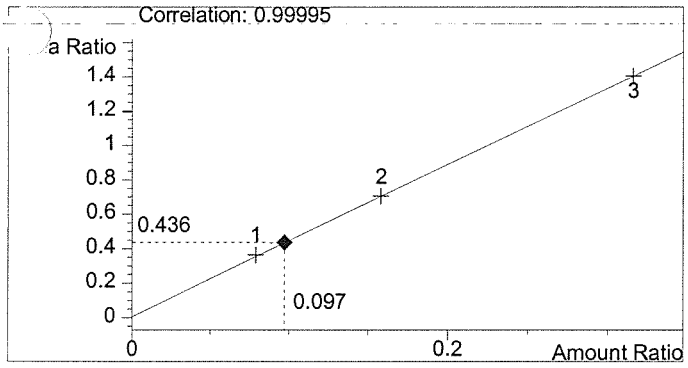
0.10 CONTROL
M PEMBERTON

vial # 6

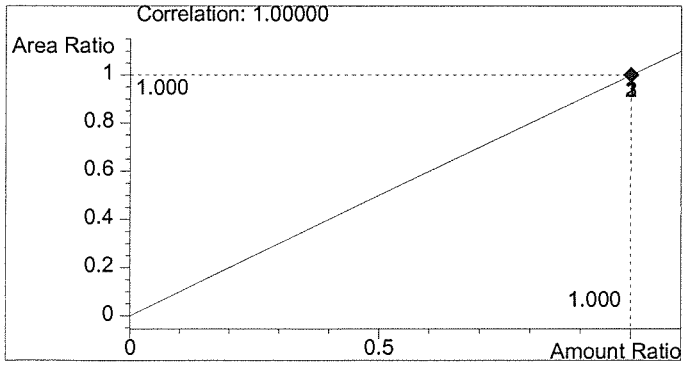


#	Compound	Area	RT
1		51	0.831
2	Ethanol	1715	1.045
3	n-Propanol	3934	1.704

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	blank	BLDALCO3	1	Sample		
2	2	0.079 CAL	BLDALCO3	1	Calib		
3	3	0.158 CAL	BLDALCO3	1	Calib		
4	4	0.316 CAL	BLDALCO3	1	Calib		
5	5	BLANK-2	BLDALCO3	1	Sample		
6	6	0.20 control	BLDALCO3	1	Ctrl Samp		
7	7	0.04 control	BLDALCO3	1	Ctrl Samp		
8	8	Blank	BLDALCO3	1	Sample		
9	9	02038 SIM	BLDALCO3	1	Sample		
10	10	02038 SIM	BLDALCO3	1	Sample		
11	11	02038 SIM	BLDALCO3	1	Sample		
12	12	02038 SIM	BLDALCO3	1	Sample		
13	13	02038 SIM	BLDALCO3	1	Sample		
14	14	02037 SIM	BLDALCO3	1	Sample		
15	15	02037 SIM	BLDALCO3	1	Sample		
16	16	02037 SIM	BLDALCO3	1	Sample		
17	17	02037 SIM	BLDALCO3	1	Sample		
18	18	02037 SIM	BLDALCO3	1	Sample		
19	19	0.10 control	BLDALCO3	1	Ctrl Samp		
20	20	blank	BLDALCO3	1	Sample		

Sequence Table (Back Injector):

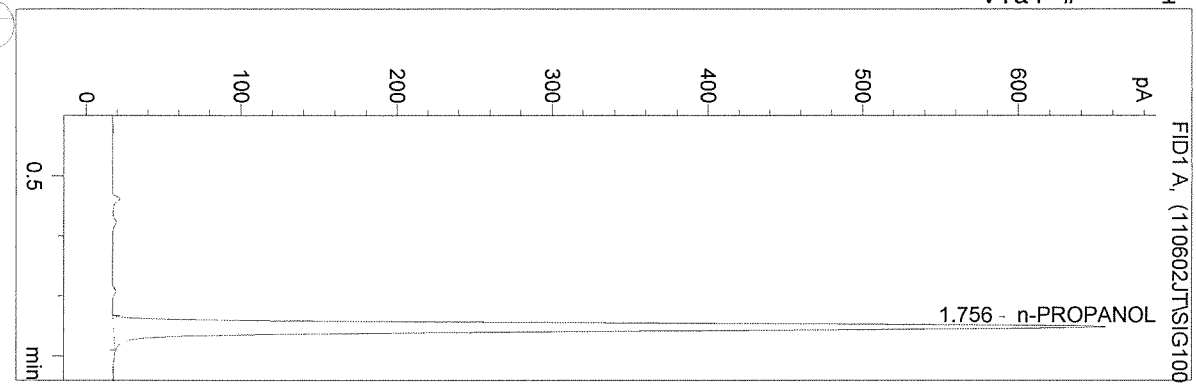
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:27:47 AM
Instrument 3
DB-ALC1

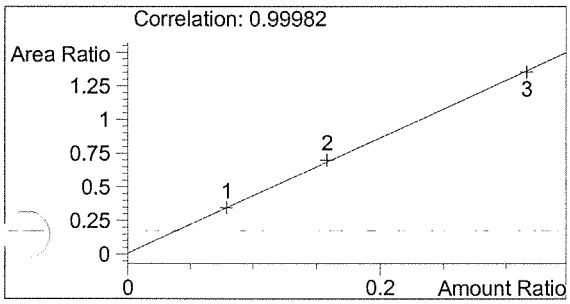
blank
Jayne E. Thatcher

vial # 1

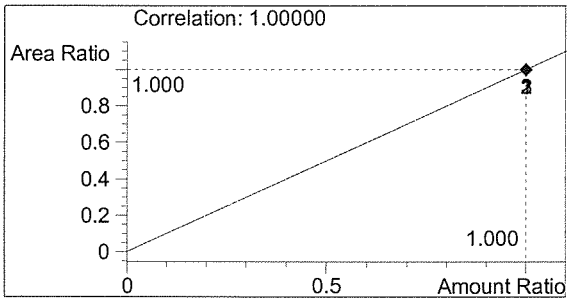


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2905	1.756

Totals:



ETHANOL 0.000 g/100mL



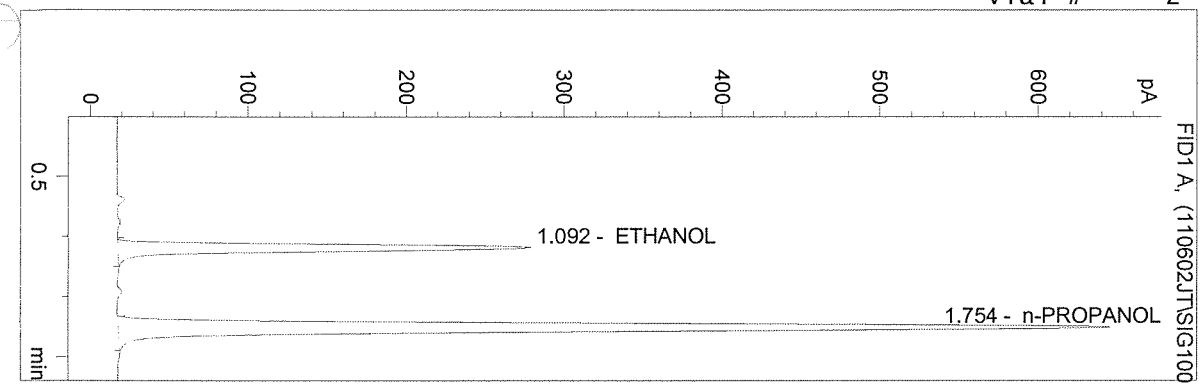
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:31:10 AM
Instrument 3
DB-ALC1

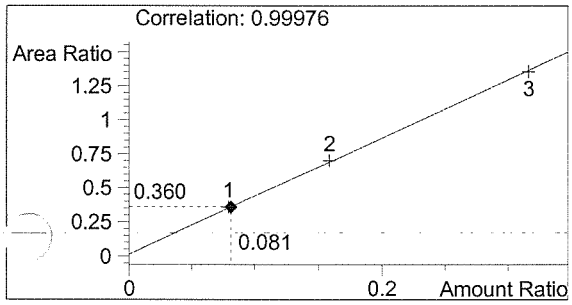
0.079 CAL
Jayne E. Thatcher

vial # 2

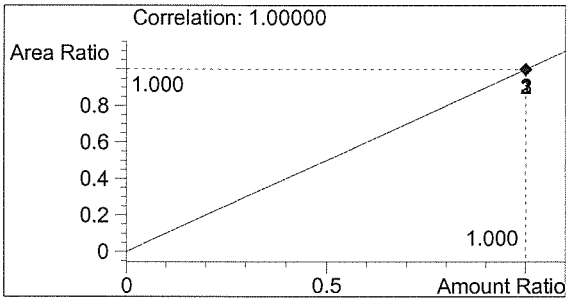


#	Compound	Area	RT
1	ETHANOL	1023	1.092
2	n-PROPANOL	2843	1.754

Totals:



ETHANOL 0.081 g/100mL



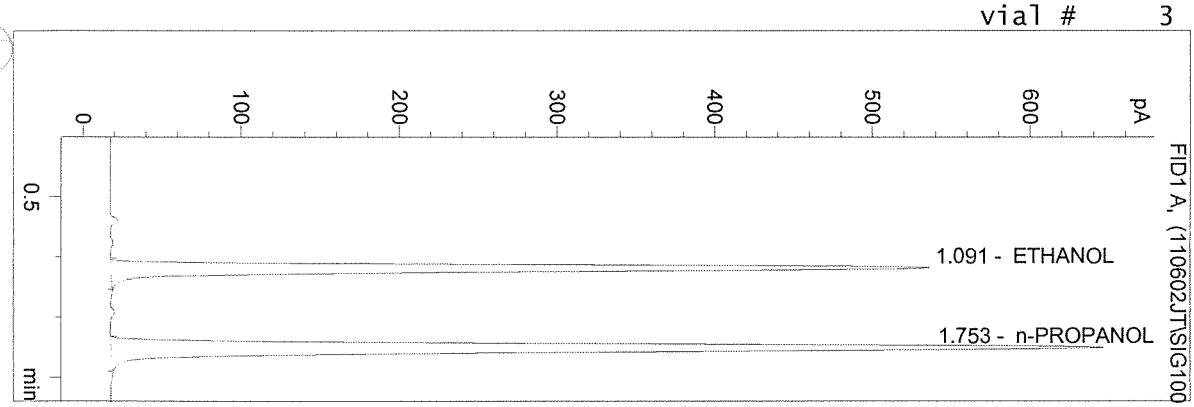
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:34:33 AM
Instrument 3
DB-ALC1

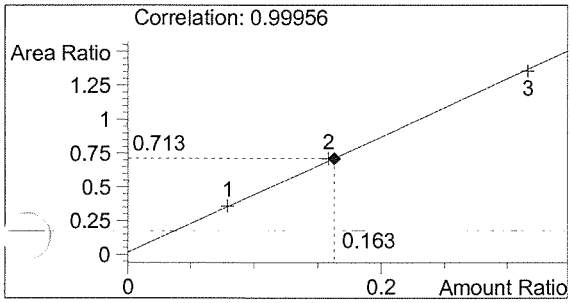
0.158 CAL
Jayne E. Thatcher

vial # 3

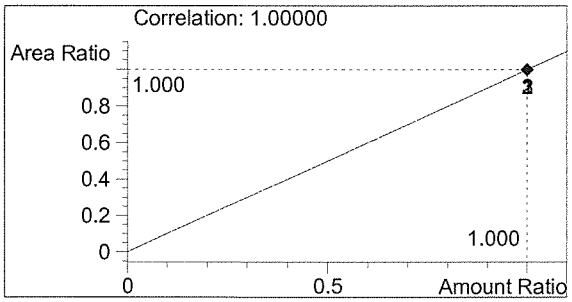


#	Compound	Area	RT
1	ETHANOL	2046	1.091
2	n-PROPANOL	2868	1.753

Totals:



ETHANOL 0.163 g/100mL



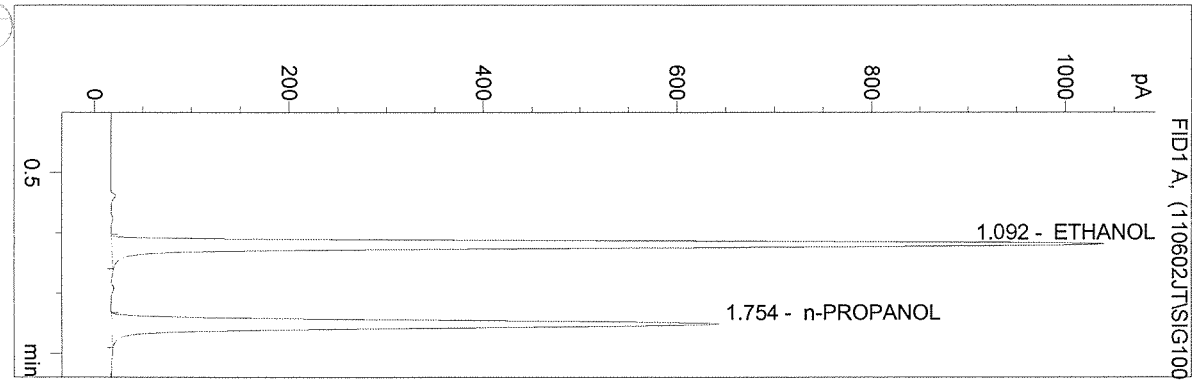
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:37:57 AM
Instrument 3
DB-ALC1

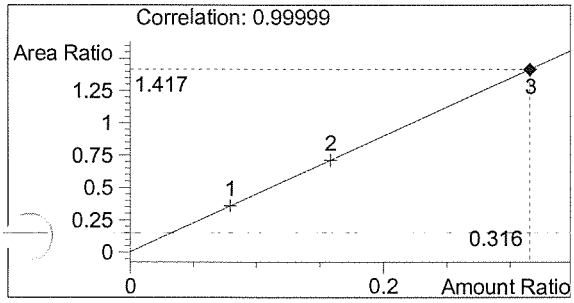
0.316 CAL
Jayne E. Thatcher

vial # 4

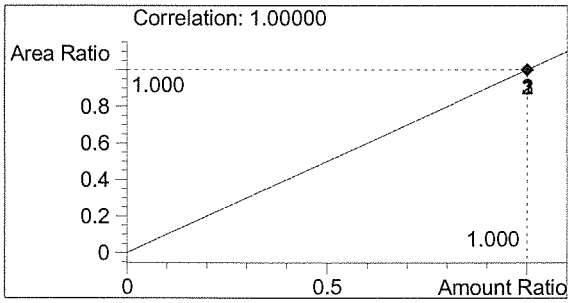


#	Compound	Area	RT
1	ETHANOL	4018	1.092
2	n-PROPANOL	2836	1.754

Totals:



ETHANOL 0.316 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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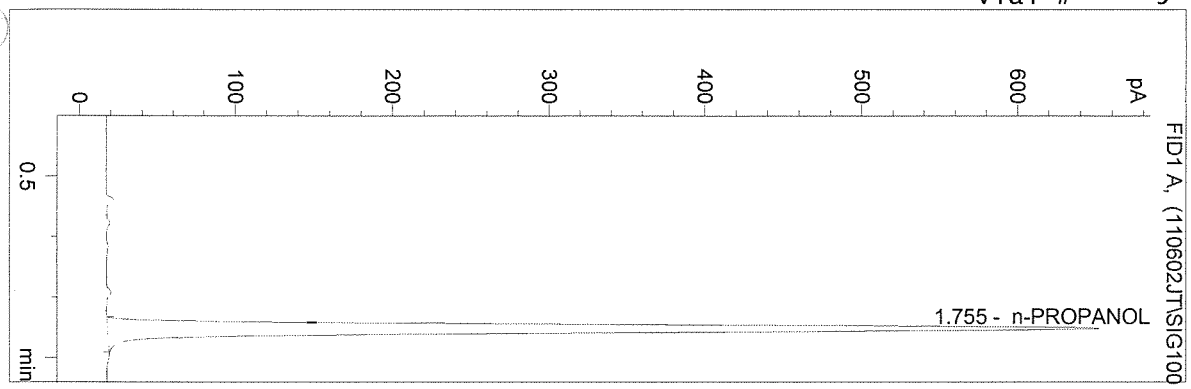
11/6/02 10:41:25 AM
Instrument 3
DB-ALC1

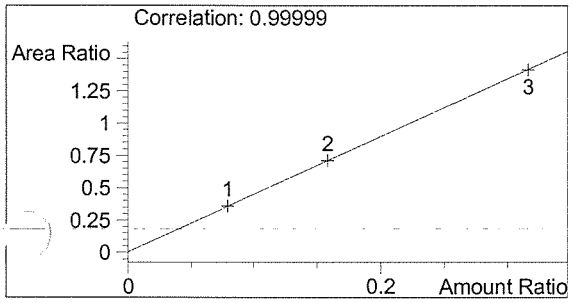
BLANK-2
Jayne E. Thatcher

vial # 5

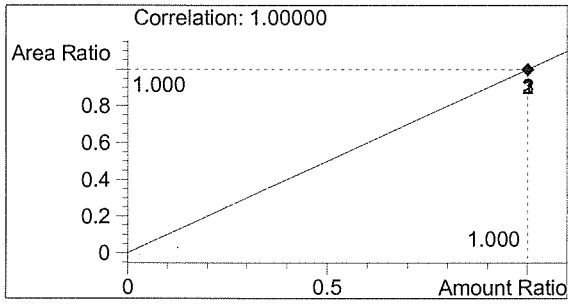


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2875	1.755

Totals:



ETHANOL 0.000 g/100mL



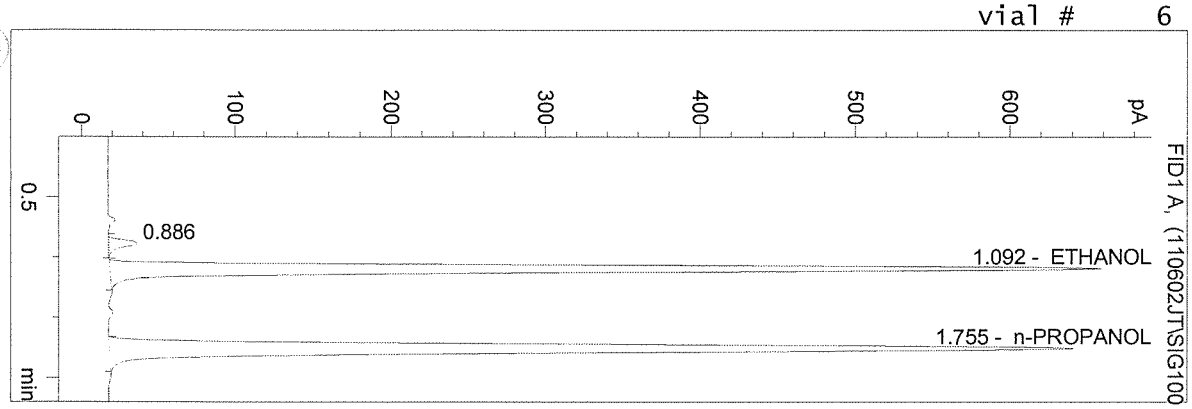
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:44:49 AM
Instrument 3
DB-ALC1

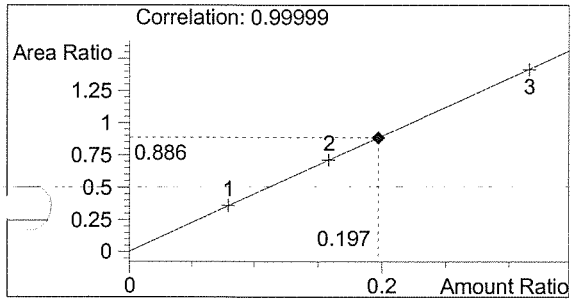
0.20 control
Jayne E. Thatcher

vial # 6

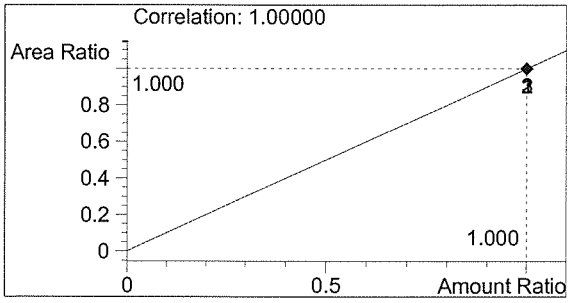


#	Compound	Area	RT
1		75	0.886
2	ETHANOL	2521	1.092
3	n-PROPANOL	2844	1.755

Totals:



ETHANOL 0.197 g/100mL

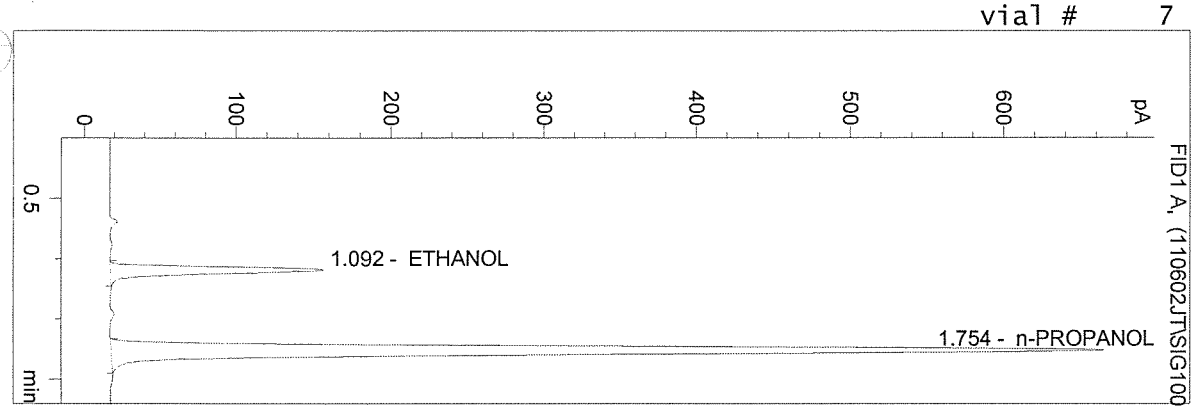


n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 10:48:12 AM
Instrument 3
DB-ALC1

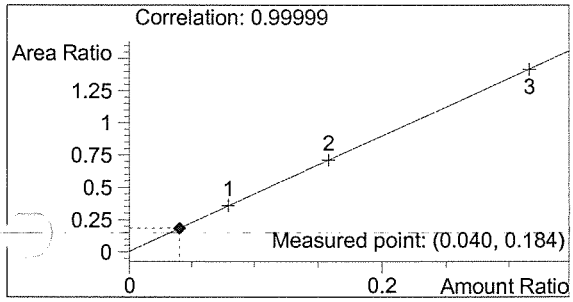
0.04 control
Jayne E. Thatcher

vial # 7

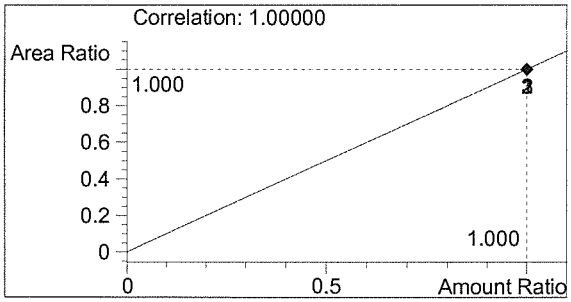


#	Compound	Area	RT
1	ETHANOL	539	1.092
2	n-PROPANOL	2934	1.754

Totals:



ETHANOL 0.040 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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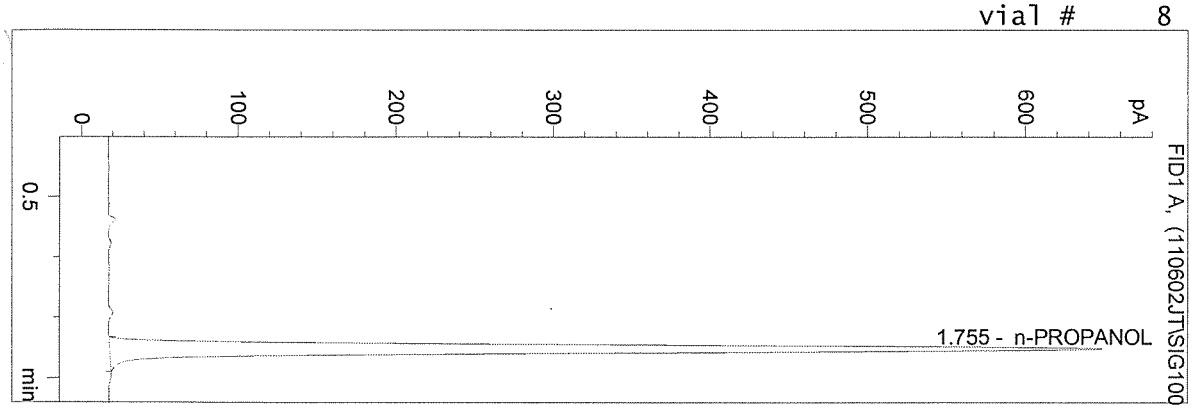
11/6/02 10:51:35 AM
Instrument 3
DB-ALC1

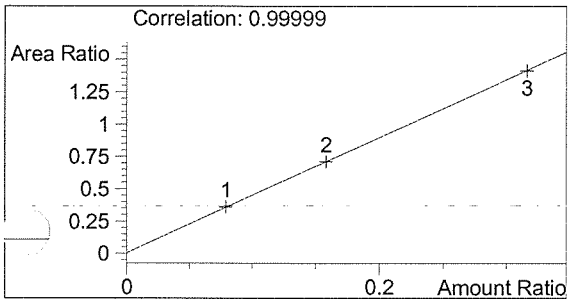
Blank
Jayne E. Thatcher

vial # 8

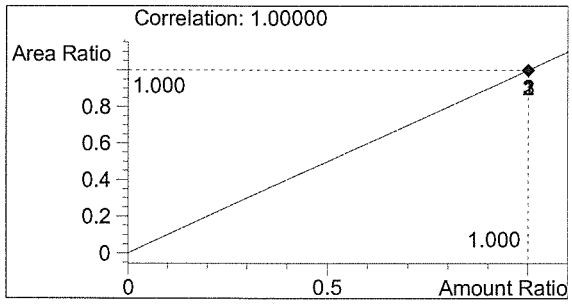


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2843	1.755

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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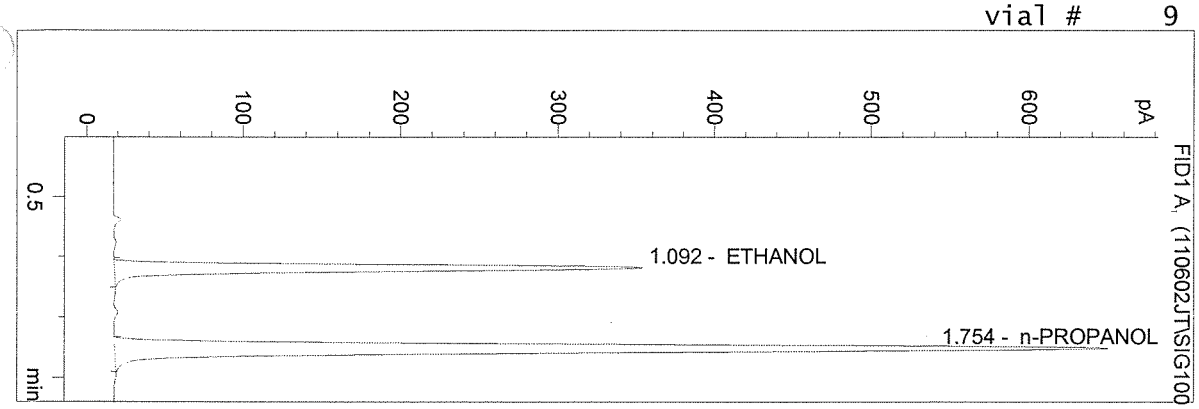
11/6/02 10:54:59 AM
Instrument 3
DB-ALC1

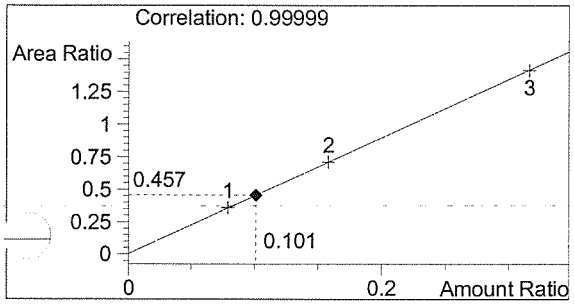
02038 SIM
Jayne E. Thatcher

vial # 9

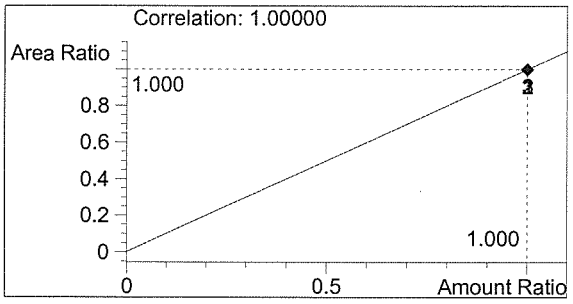


#	Compound	Area	RT
1	ETHANOL	1314	1.092
2	n-PROPANOL	2872	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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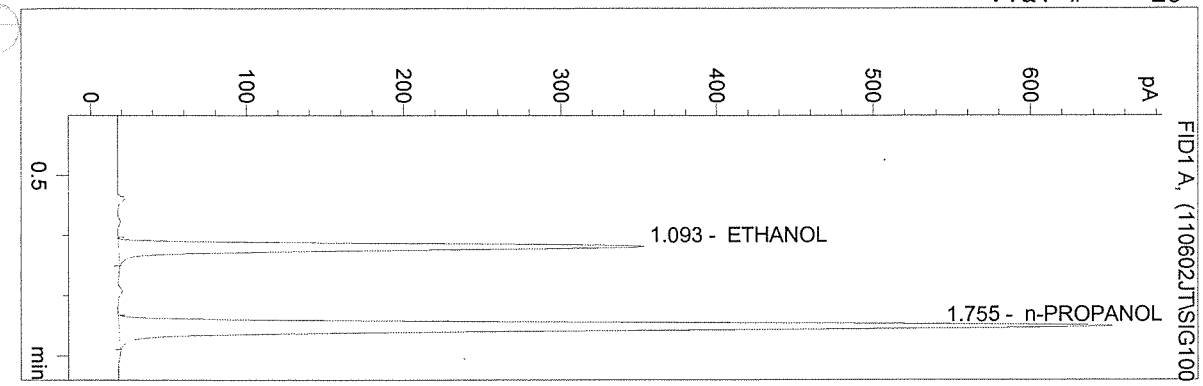
11/6/02 10:58:22 AM
Instrument 3
DB-ALC1

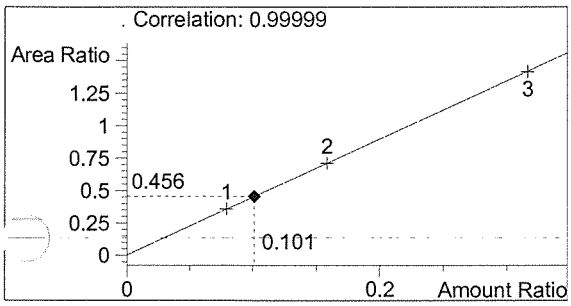
02038 SIM
Jayne E. Thatcher

vial # 10

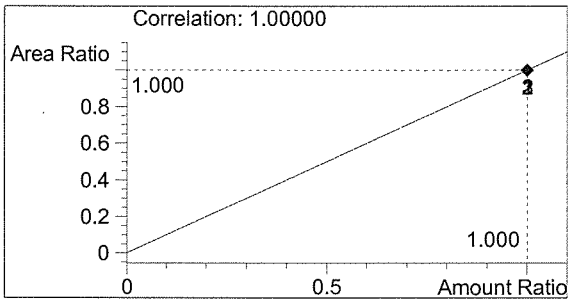


#	Compound	Area	RT
1	ETHANOL	1313	1.093
2	n-PROPANOL	2879	1.755

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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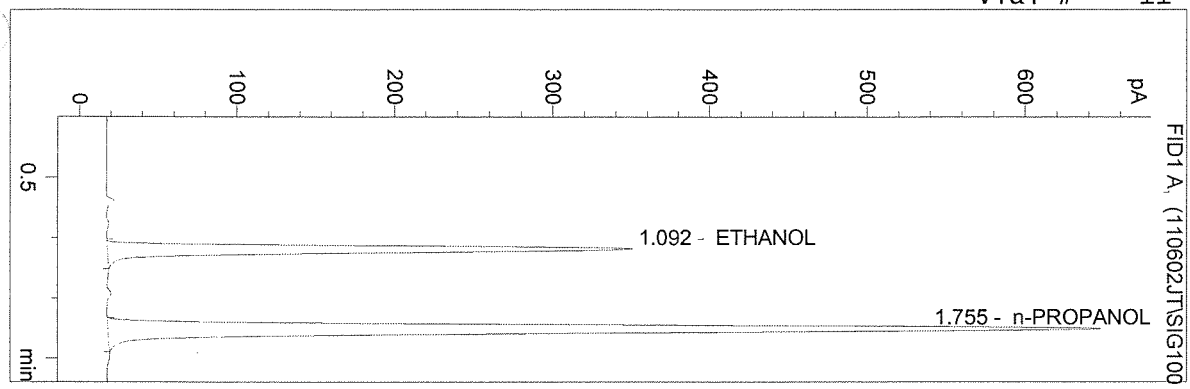
11/6/02 11:01:46 AM
Instrument 3
DB-ALC1

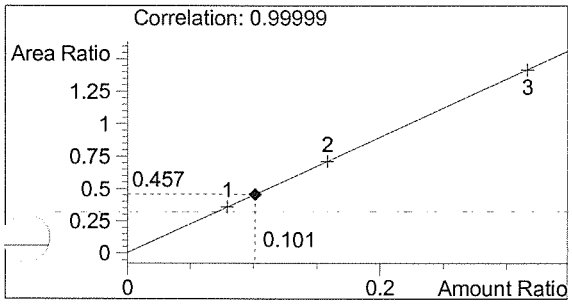
02038 SIM
Jayne E. Thatcher

vial # 11

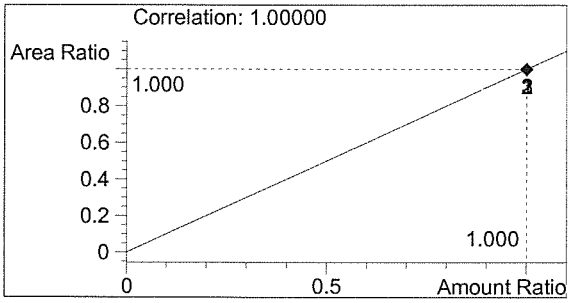


#	Compound	Area	RT
1	ETHANOL	1307	1.092
2	n-PROPANOL	2862	1.755

Totals:



ETHANOL 0.101 g/100mL



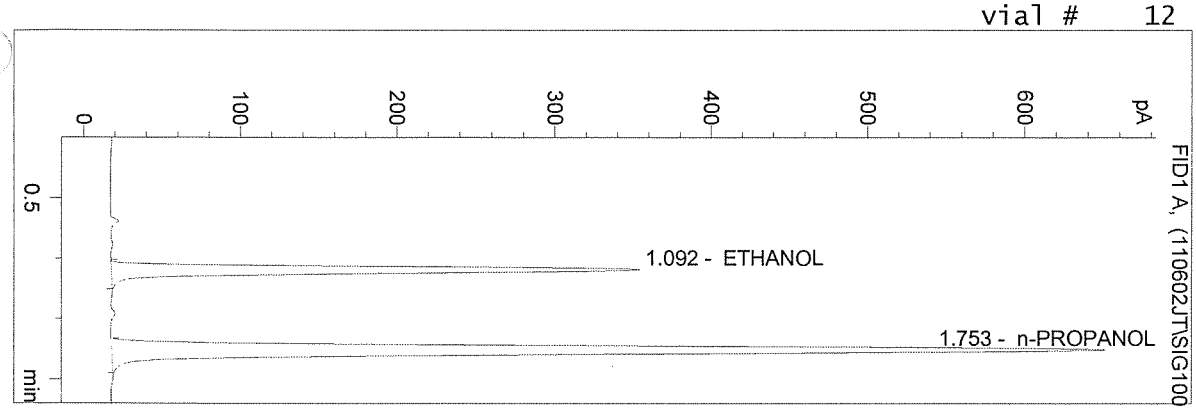
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/6/02 11:04:55 AM
Instrument 3
DB-ALC1

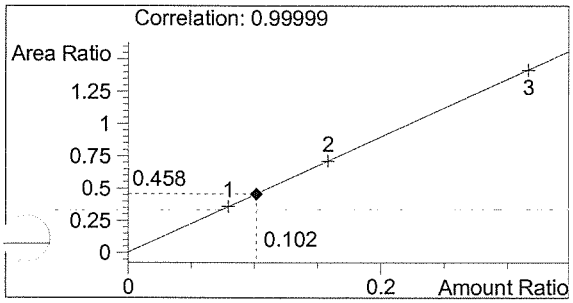
02038 SIM
Jayne E. Thatcher

vial # 12

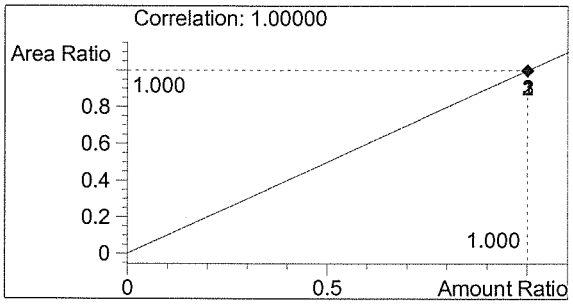


#	Compound	Area	RT
1	ETHANOL	1316	1.092
2	n-PROPANOL	2874	1.753

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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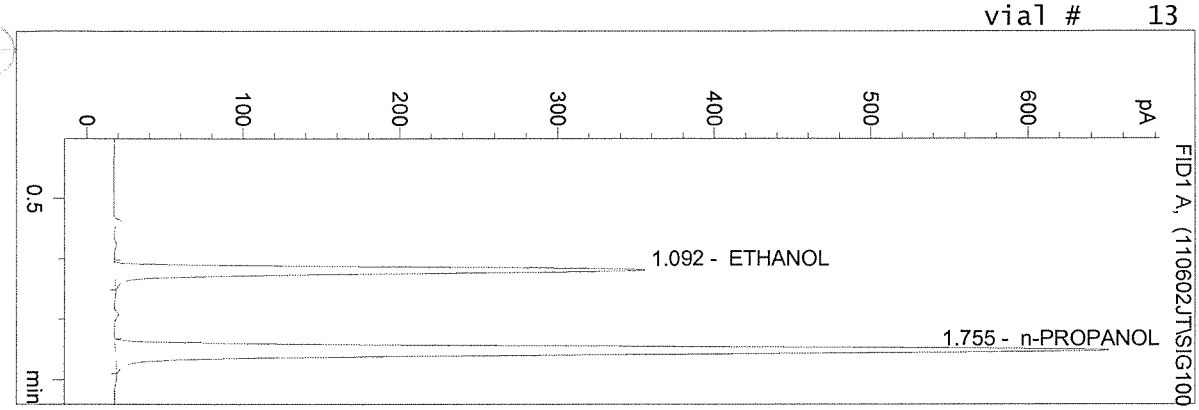
11/6/02 11:08:18 AM
Instrument 3
DB-ALC1

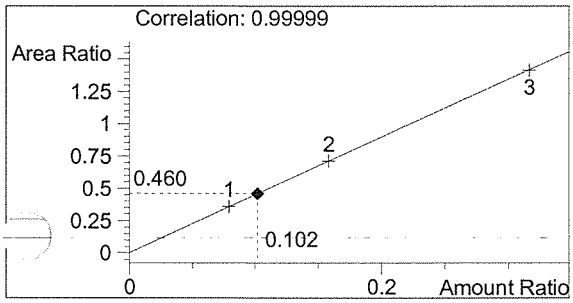
02038 SIM
Jayne E. Thatcher

vial # 13

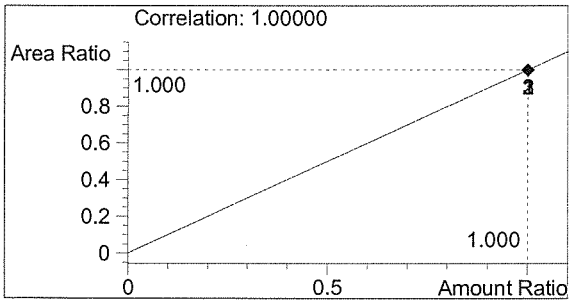


#	Compound	Area	RT
1	ETHANOL	1325	1.092
2	n-PROPANOL	2880	1.755

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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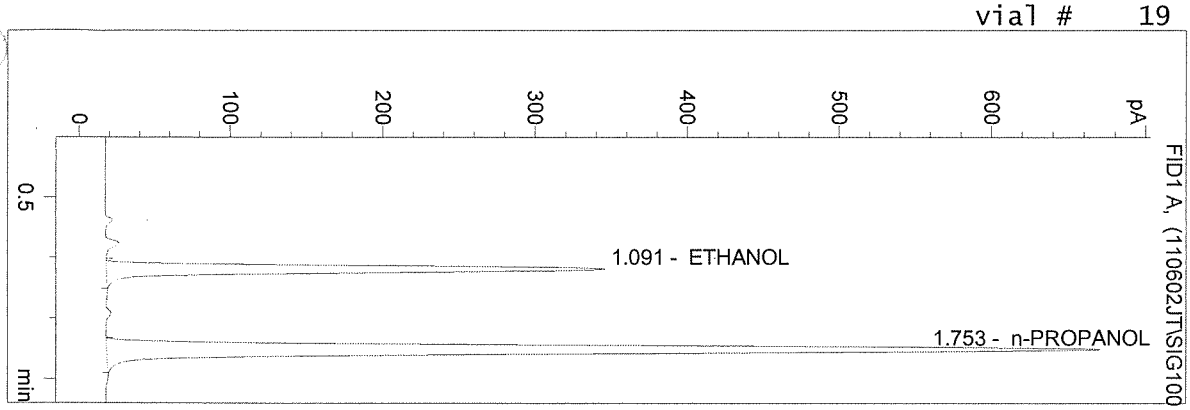
11/6/02 11:28:39 AM
Instrument 3
DB-ALC1

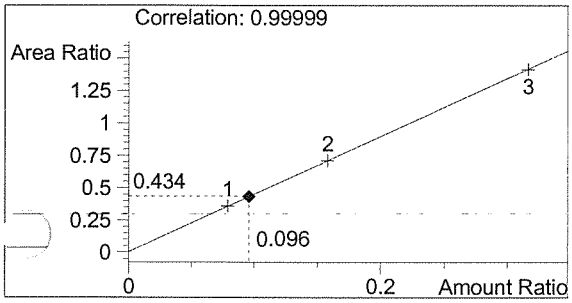
0.10 control
Jayne E. Thatcher

vial # 19

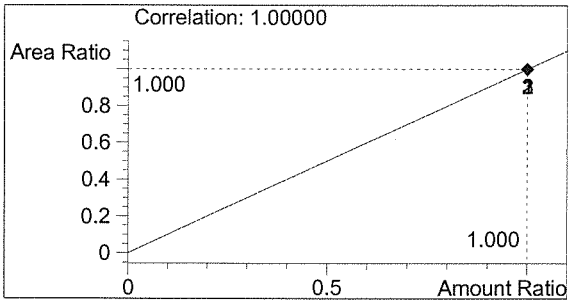


#	Compound	Area	RT
1	ETHANOL	1285	1.091
2	n-PROPANOL	2963	1.753

Totals:



ETHANOL 0.096 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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11/6/02 11:32:02 AM
Instrument 3
DB-ALC1

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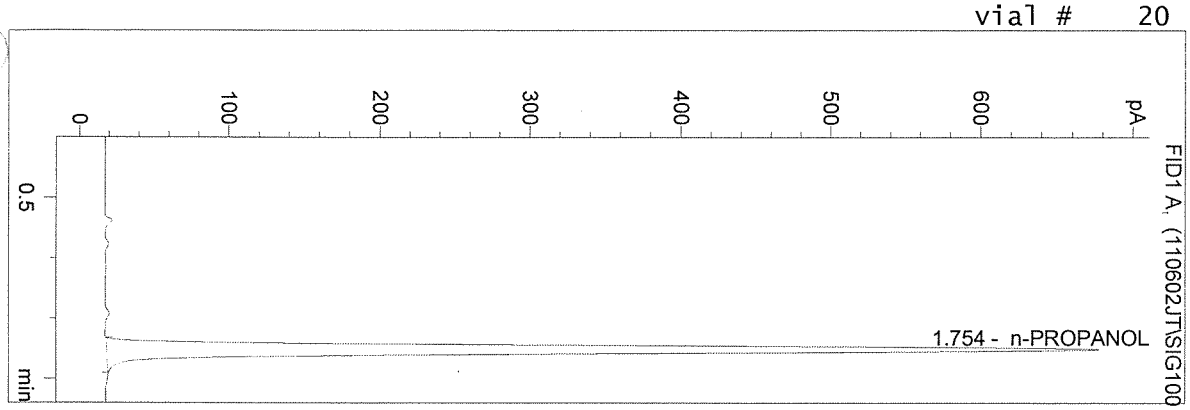
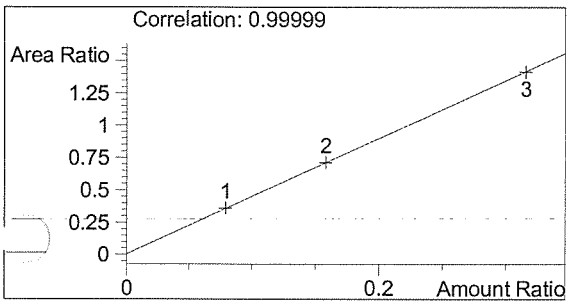
Jayne E. Thatcher

vial # 20

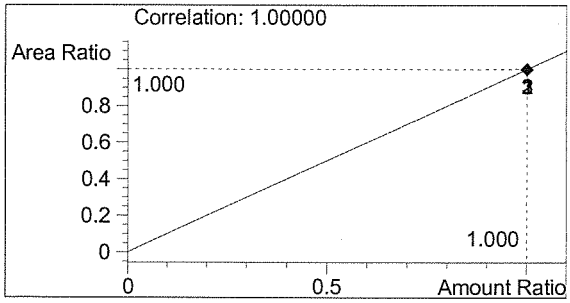


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2993	1.754

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

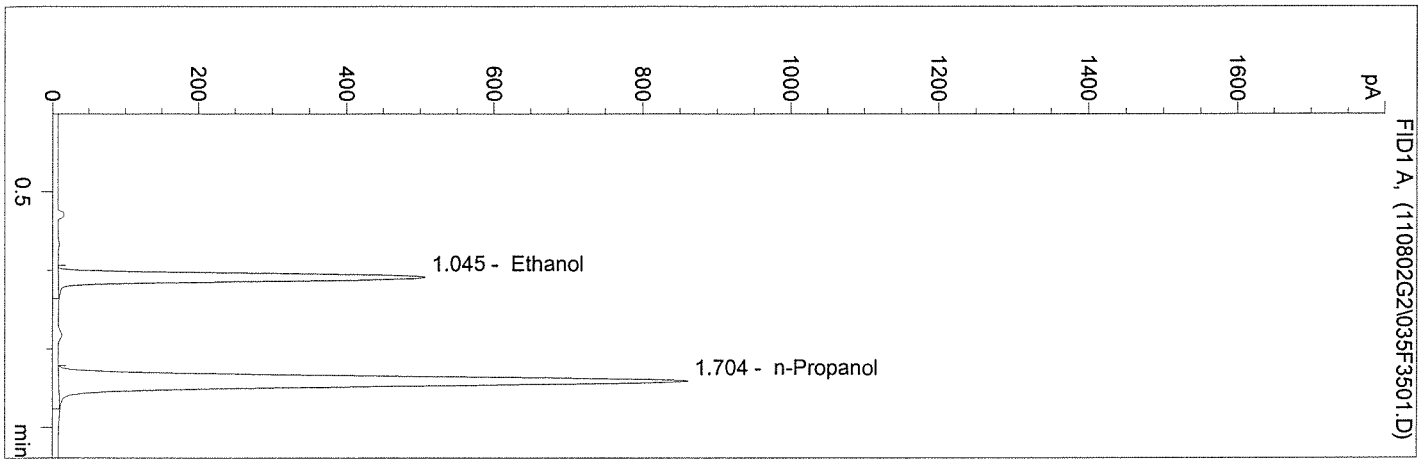
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/8/02 11:46:33 AM
Instrument 1
DB-ALC1

cal 026679

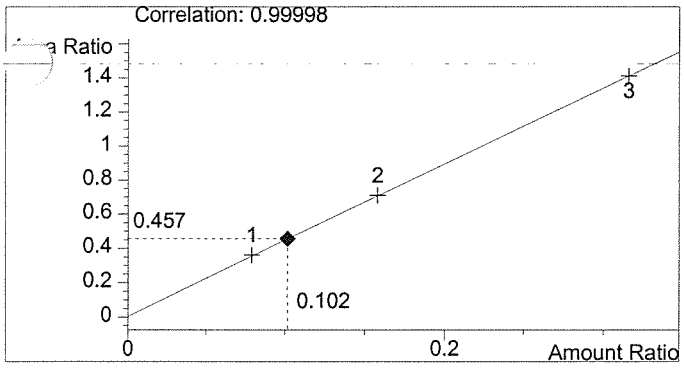
0.08SSOL 02038
GENE SCHWILKE

vial # 35

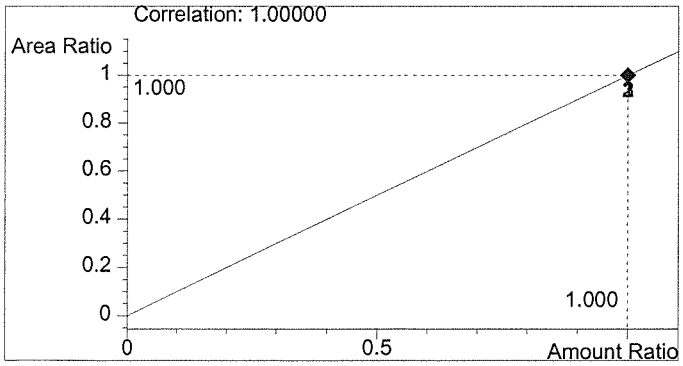


#	Compound	Area	RT
1	Ethanol	1706	1.045
2	n-Propanol	3732	1.704

Totals:



Ethanol 0.102 g/100ml



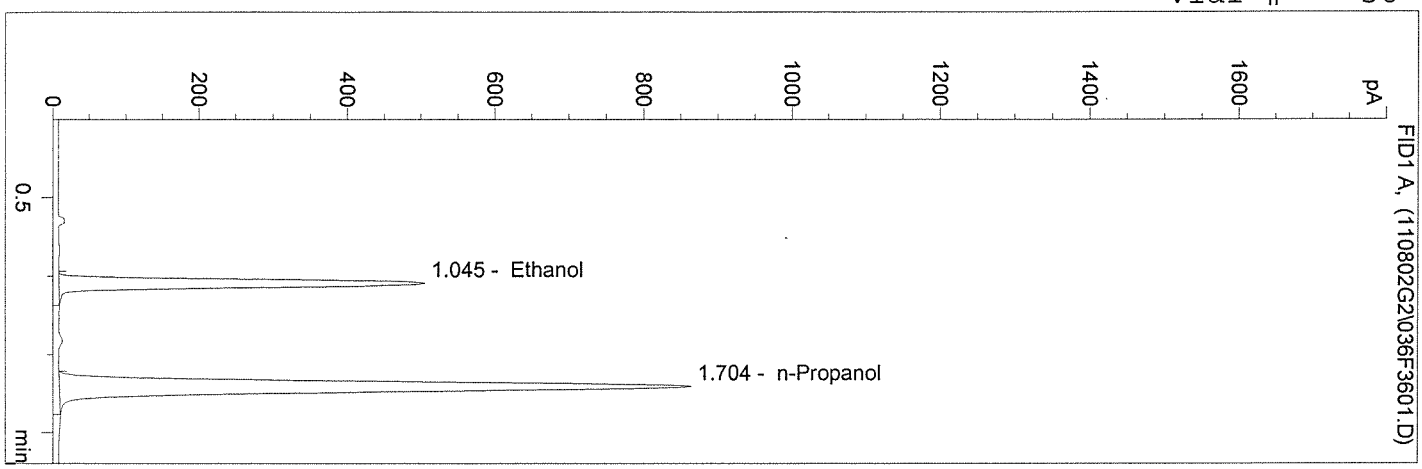
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/8/02 11:49:35 AM
Instrument 1
-ALC1

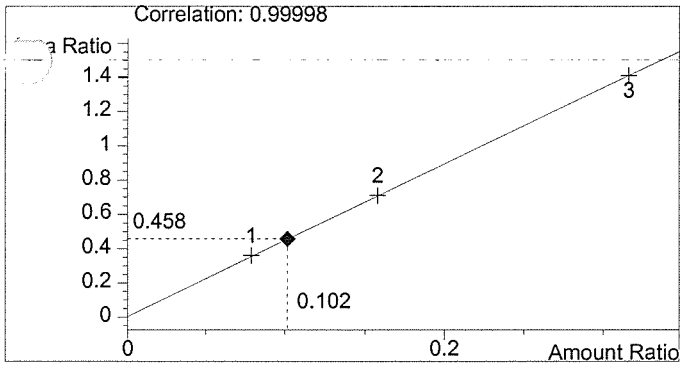
0.08SSOL 02038
GENE SCHWILKE

vial # 36

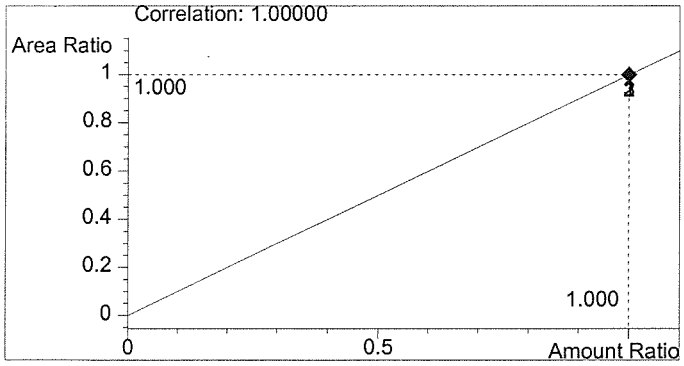


#	Compound	Area	RT
1	Ethanol	1724	1.045
2	n-Propanol	3762	1.704

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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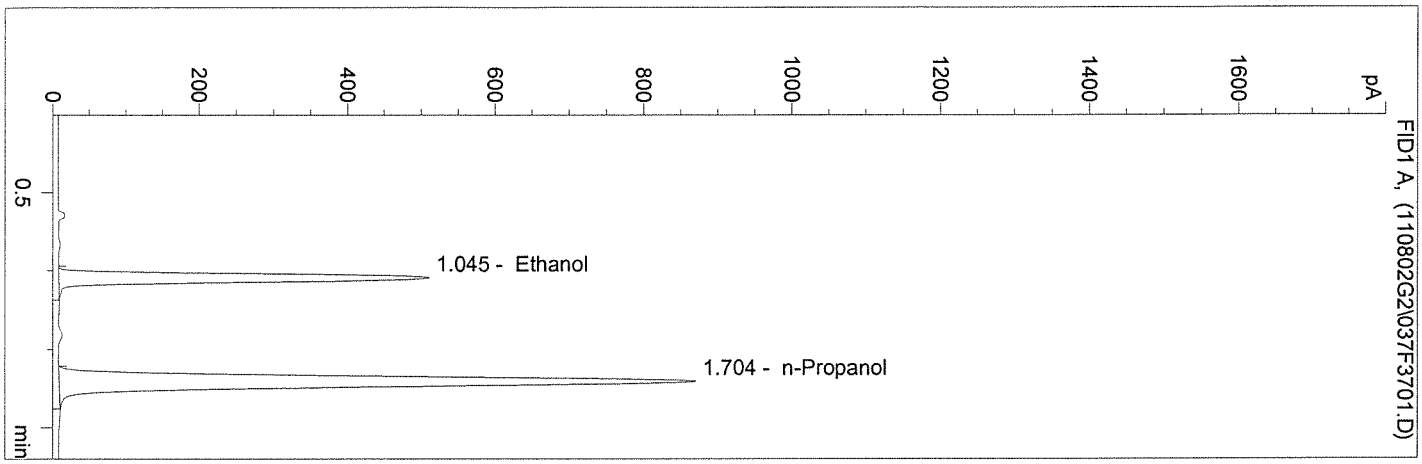
11/8/02 11:52:42 AM
Instrument 1
DB-ALC1

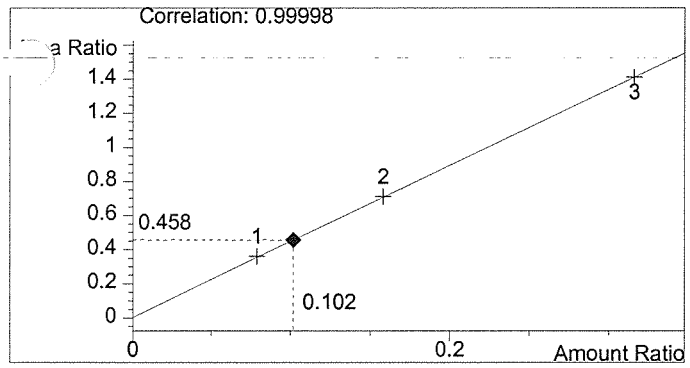
0.08SSOL 02038
GENE SCHWILKE

vial # 37

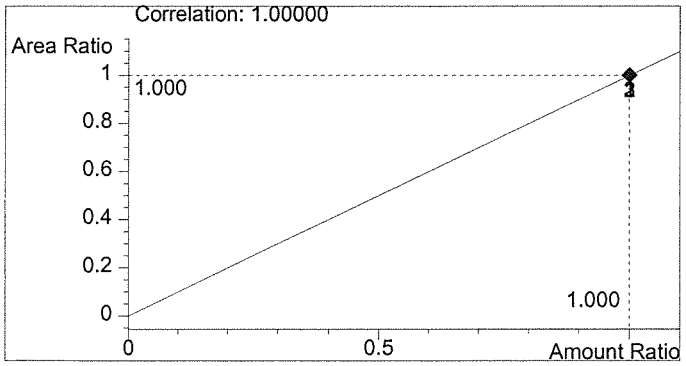


#	Compound	Area	RT
1	Ethanol	1738	1.045
2	n-Propanol	3797	1.704

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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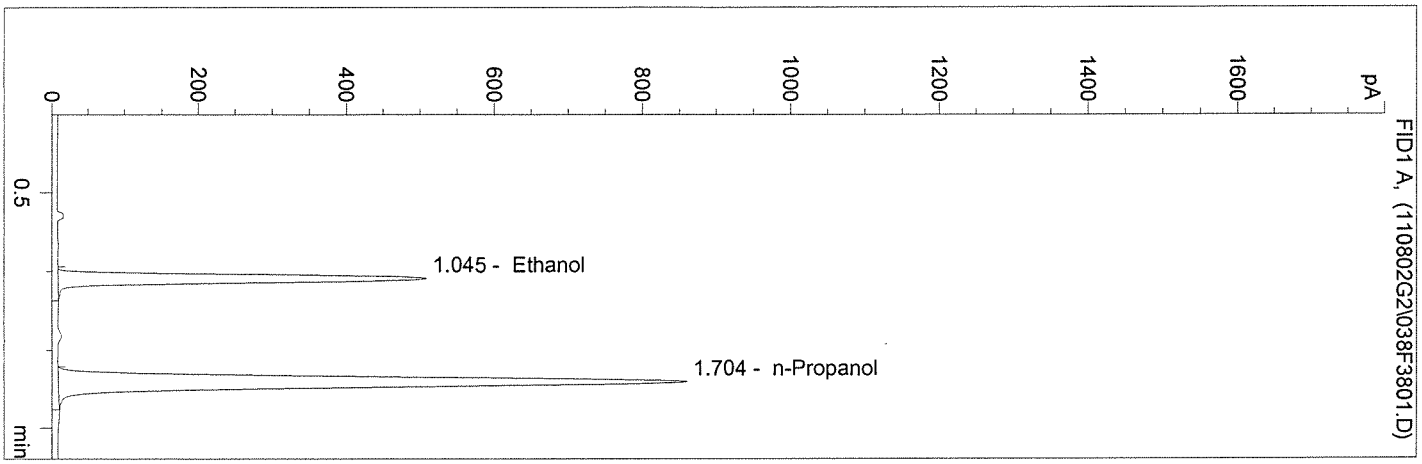
11/8/02 11:55:44 AM
Instrument 1
DB-ALC1

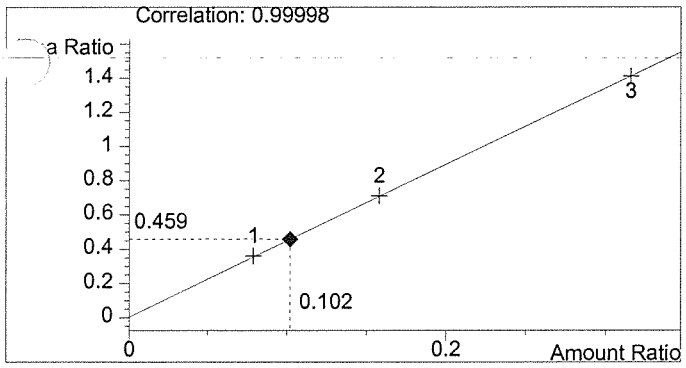
0.08SSOL 02038
GENE SCHWILKE

vial # 38

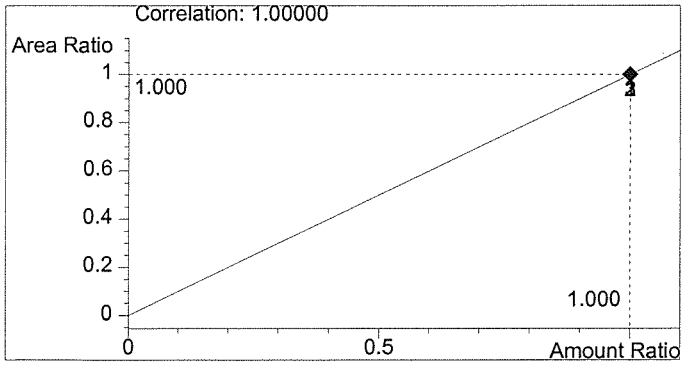


#	Compound	Area	RT
1	Ethanol	1716	1.045
2	n-Propanol	3739	1.704

Totals:



Ethanol 0.102 g/100ml



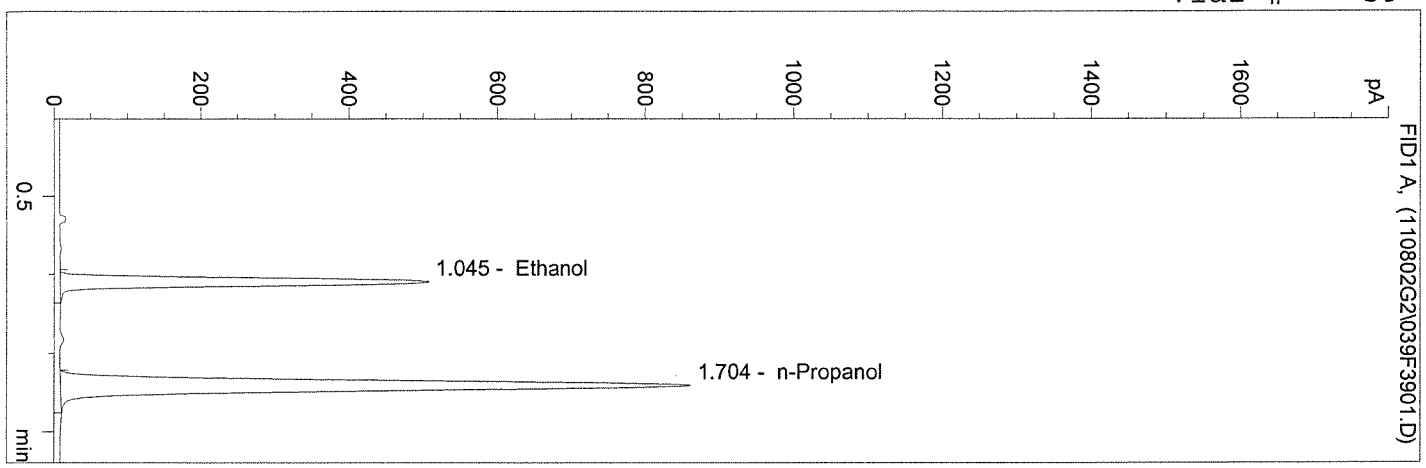
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/8/02 11:58:46 AM
Instrument 1
DB-ALC1

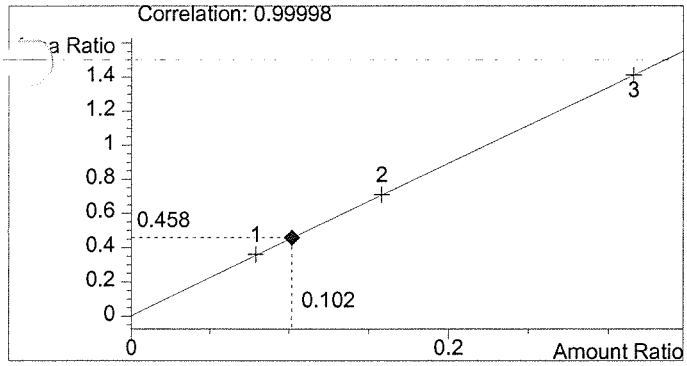
0.08SSOL 02038
GENE SCHWILKE

vial # 39

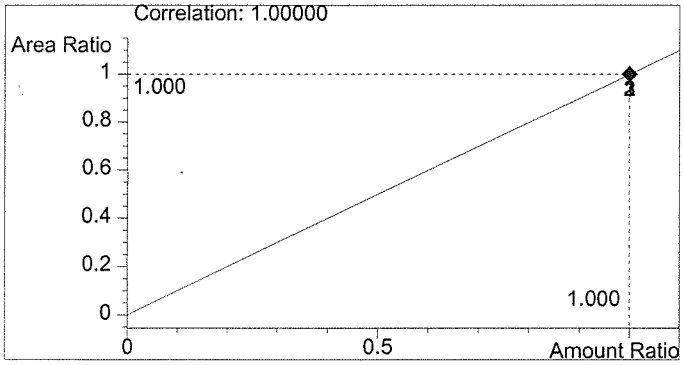


#	Compound	Area	RT
1	Ethanol	1717	1.045
2	n-Propanol	3745	1.704

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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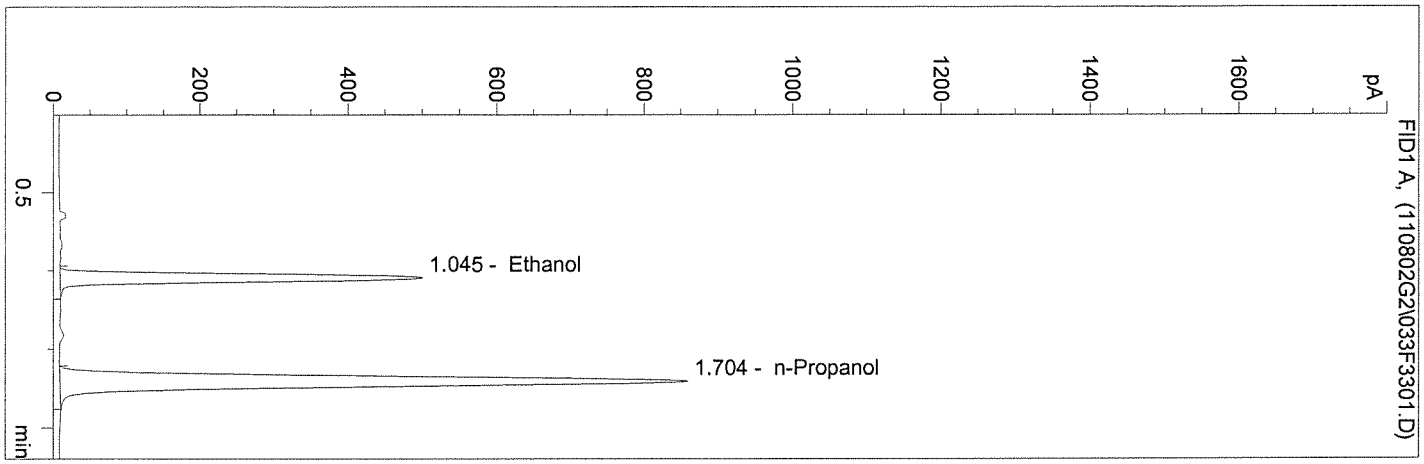
11/8/02 11:40:28 AM
Instrument 1
DB-ALC1

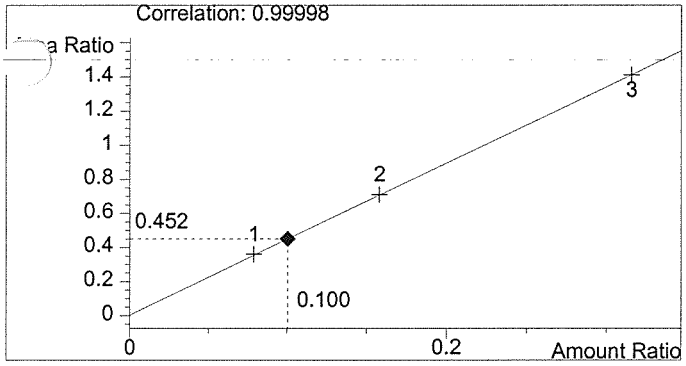
CAP 0.100
GENE SCHWILKE

vial # 33

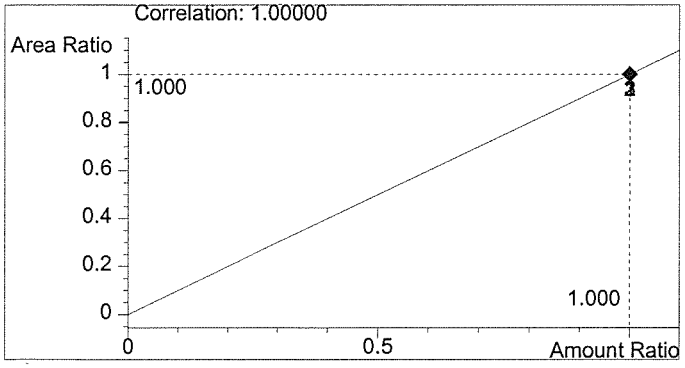


#	Compound	Area	RT
1	Ethanol	1684	1.045
2	n-Propanol	3726	1.704

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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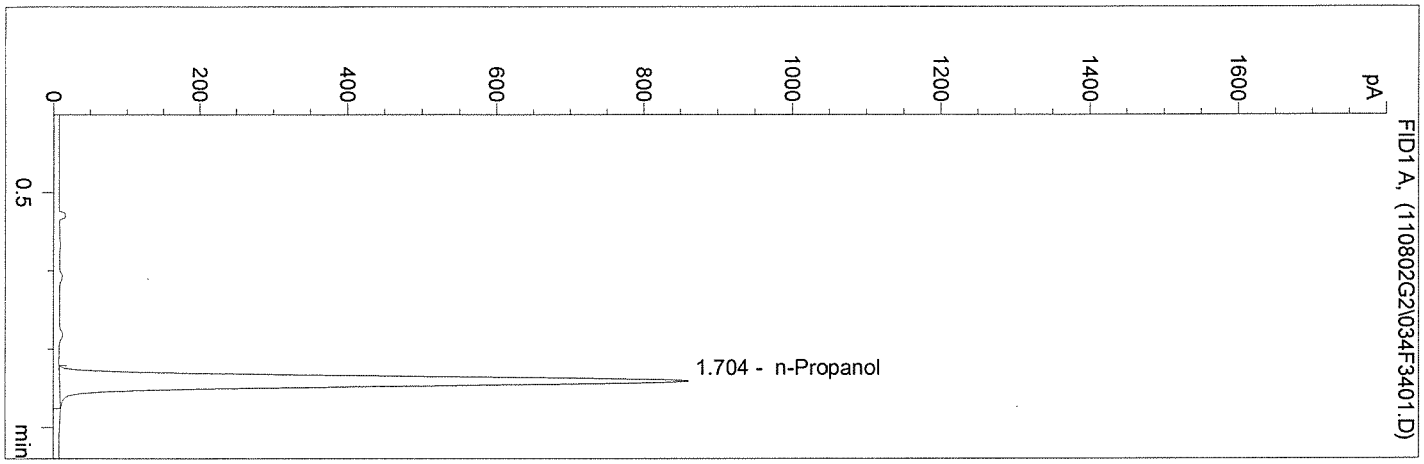
11/8/02 11:43:31 AM
Instrument 1
BB-ALC1

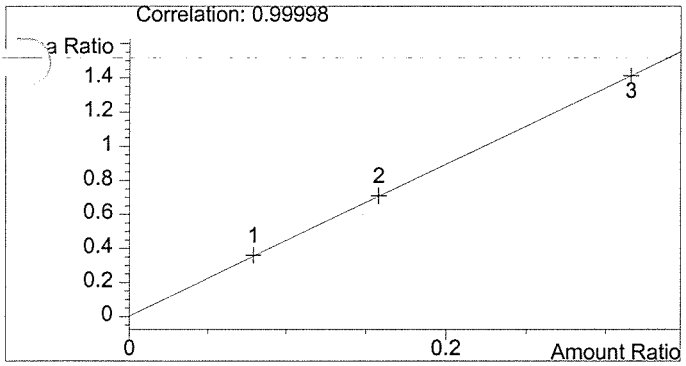
BLANK
GENE SCHWILKE

vial # 34

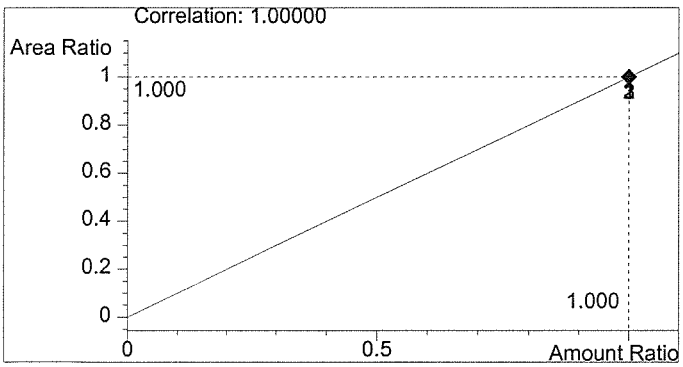


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3732	1.704

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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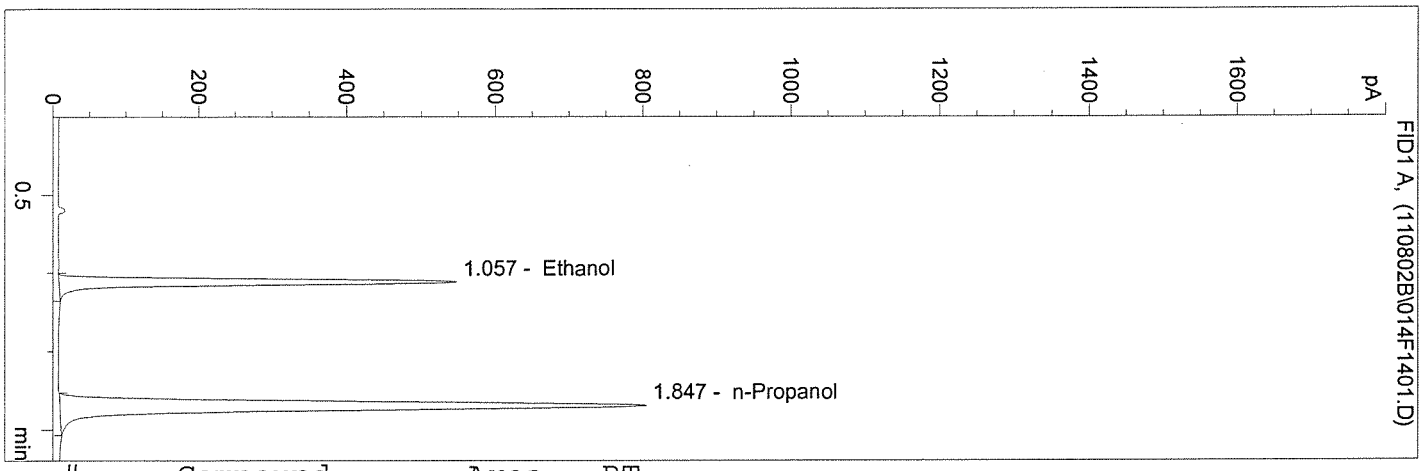
11/8/02 5:28:12 PM
Instrument 2
DB-ALC1

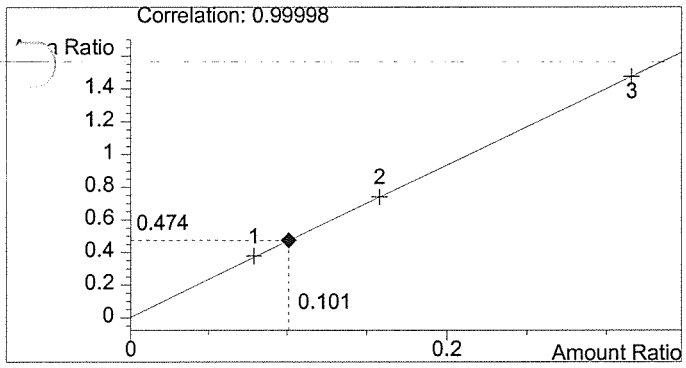
02038-1 sim
Naziha Nuwayhid, PhD

vial # 14

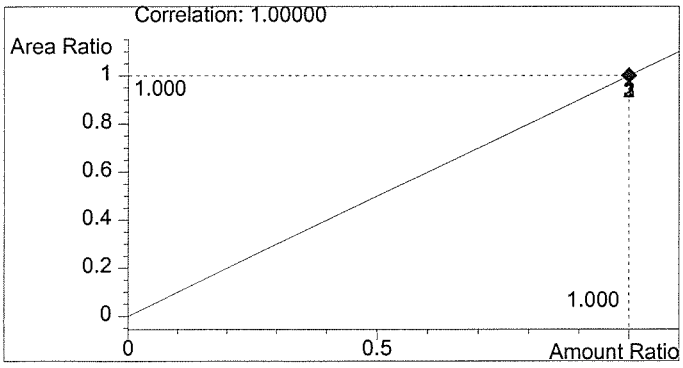


#	Compound	Area	RT
1	Ethanol	1450	1.057
2	n-Propanol	3057	1.847

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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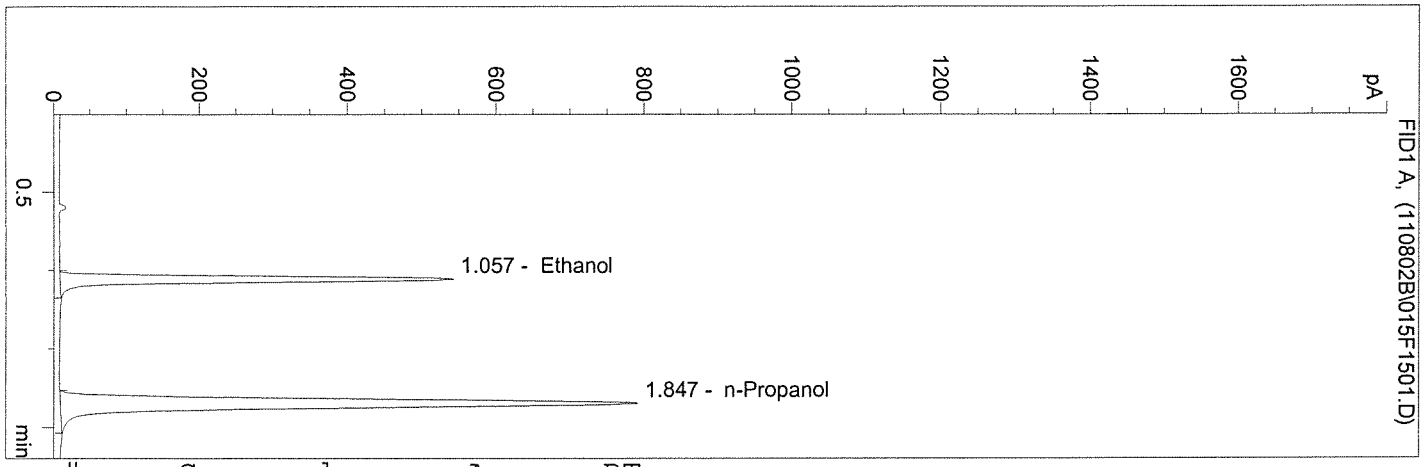
11/8/02 5:30:57 PM
Instrument 2
DB-ALC1

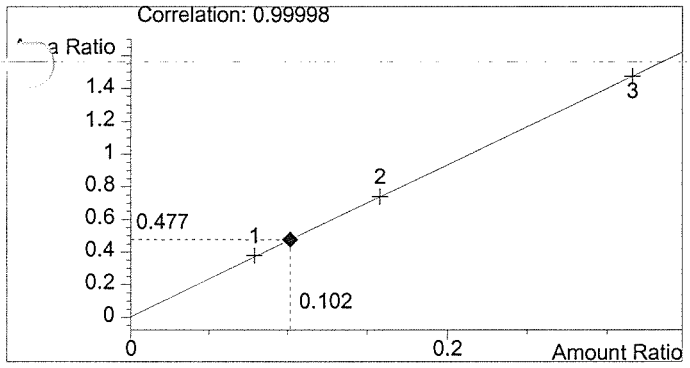
02038-2 sim
Naziha Nuwayhid, PhD

vial # 15

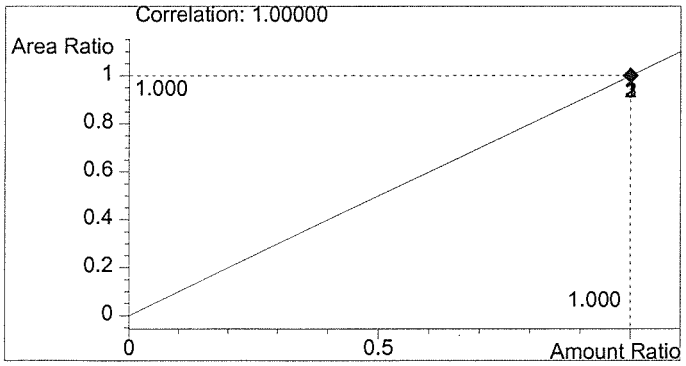


#	Compound	Area	RT
1	Ethanol	1437	1.057
2	n-Propanol	3014	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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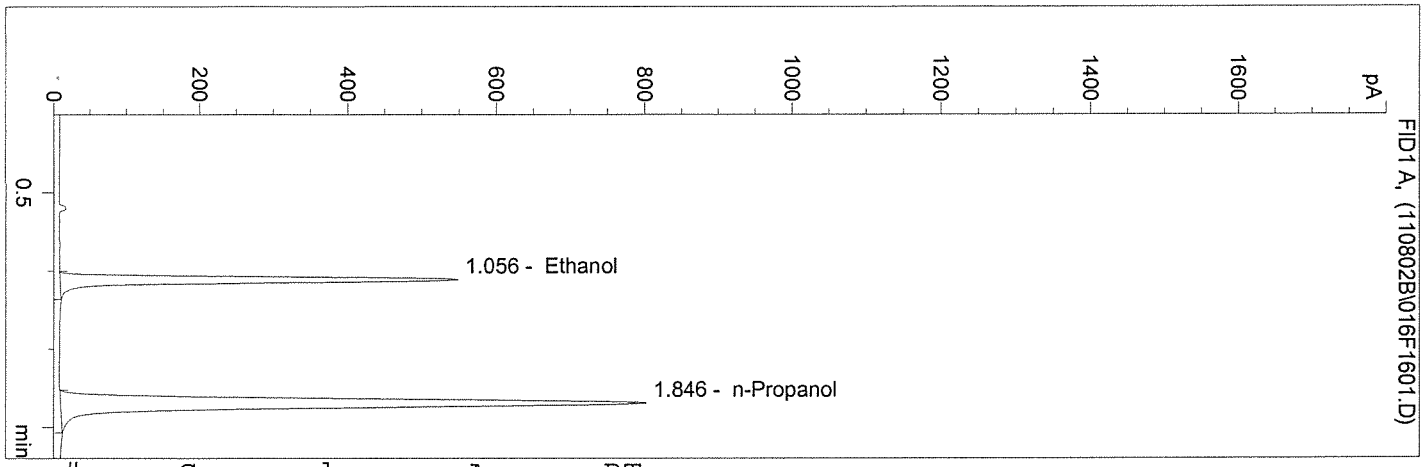
11/8/02 5:33:48 PM
Instrument 2
[illegible]-ALC1

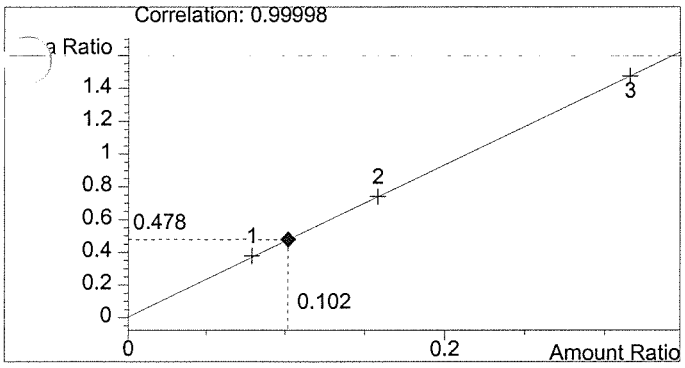
02038-3 sim
Naziha Nuwayhid, PhD

vial # 16

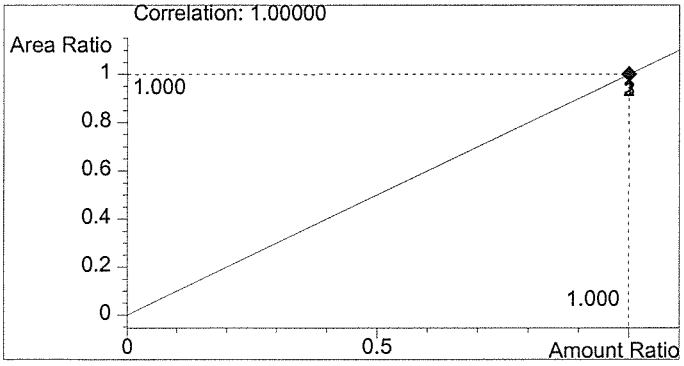


#	Compound	Area	RT
1	Ethanol	1458	1.056
2	n-Propanol	3051	1.846

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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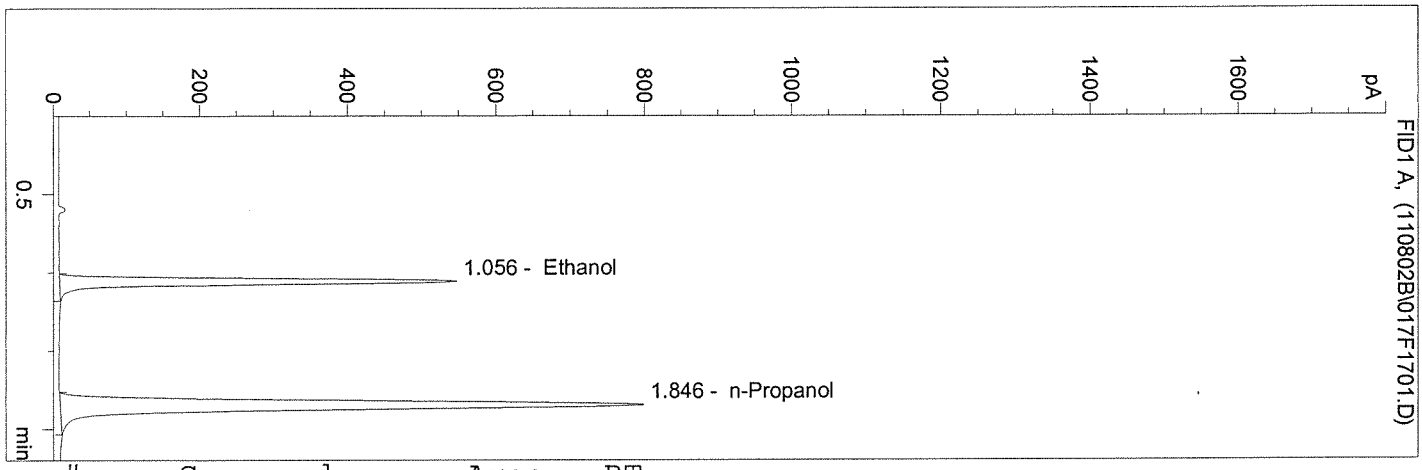
11/8/02 5:37:08 PM
Instrument 2
DB-ALC1

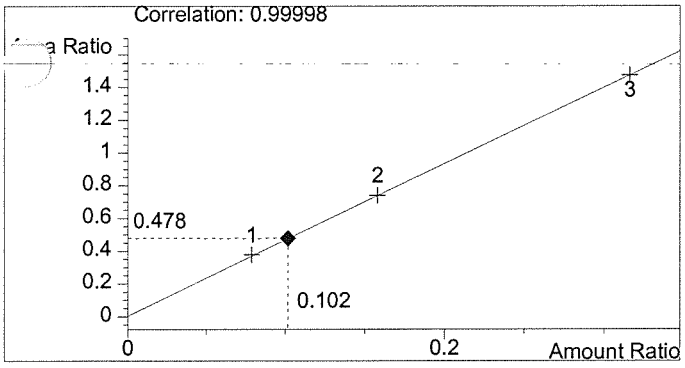
02038-4 sim
Naziha Nuwayhid, PhD

vial # 17

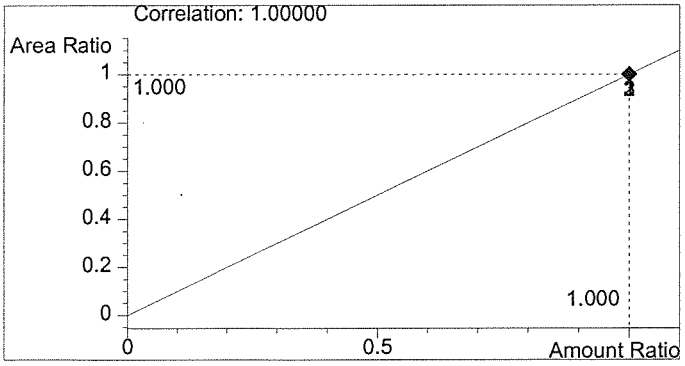


#	Compound	Area	RT
1	Ethanol	1450	1.056
2	n-Propanol	3035	1.846

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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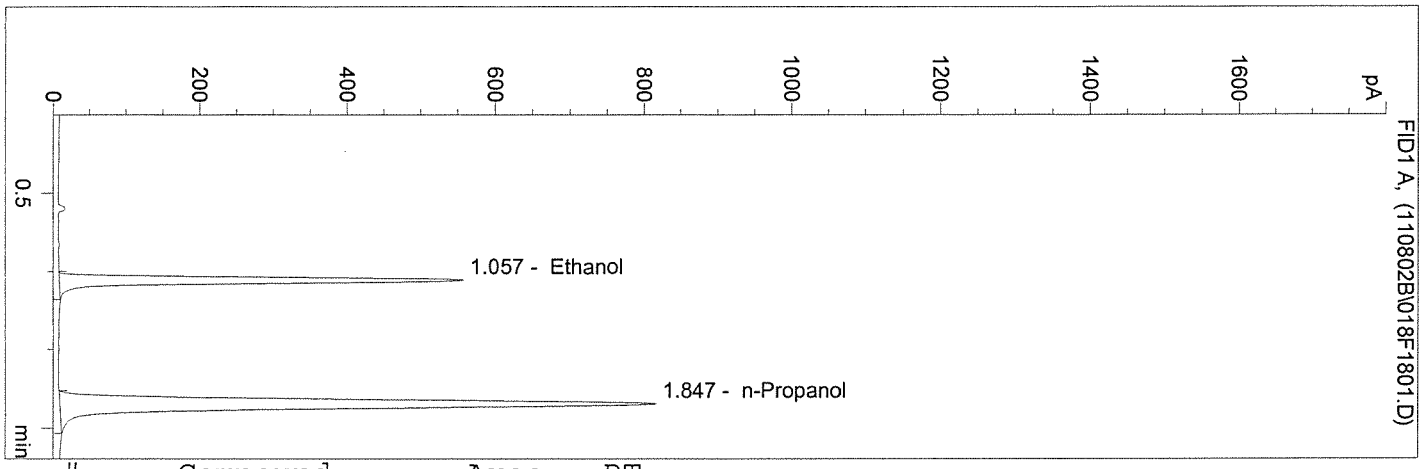
11/8/02 5:39:53 PM
Instrument 2
DB-ALC1

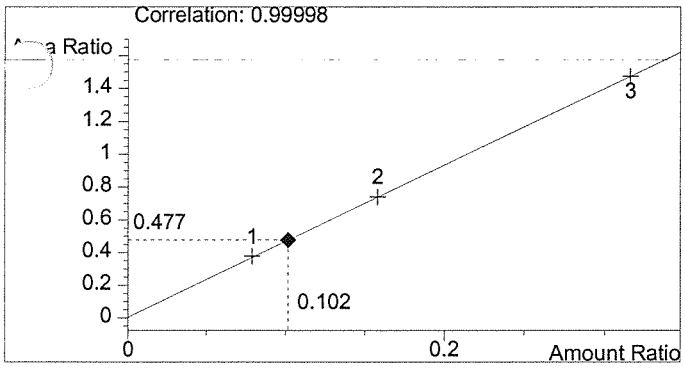
02038-5 sim
Naziha Nuwayhid, PhD

vial # 18

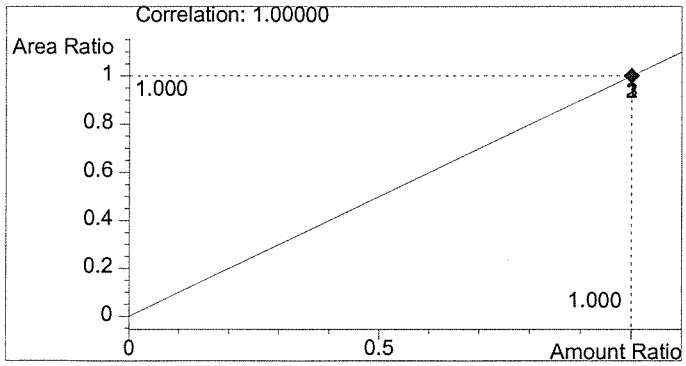


#	Compound	Area	RT
1	Ethanol	1479	1.057
2	n-Propanol	3100	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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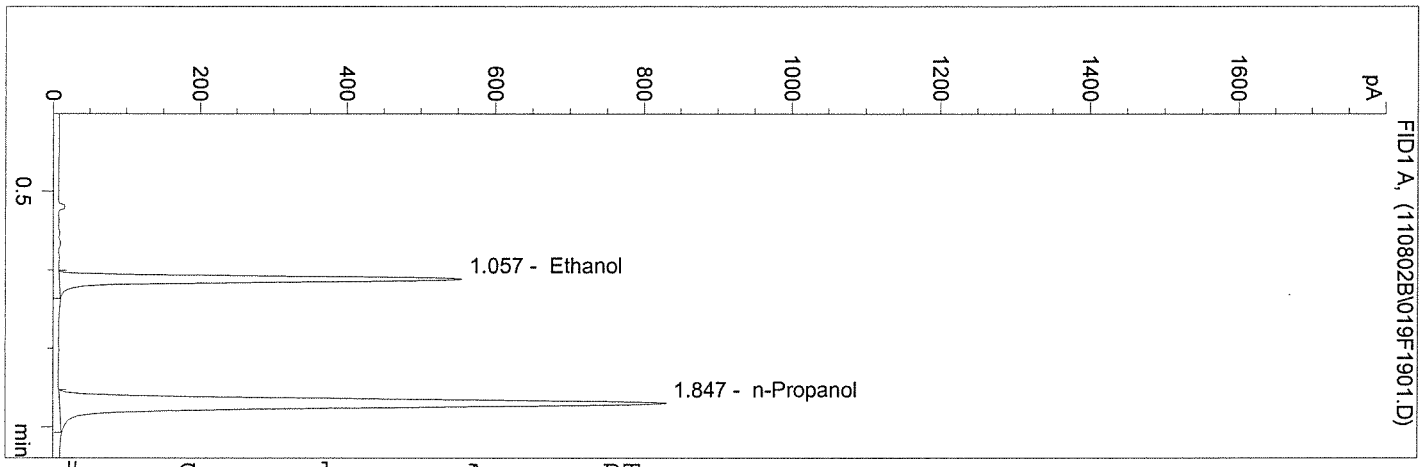
11/8/02 5:42:40 PM
Instrument 2
DB-ALC1

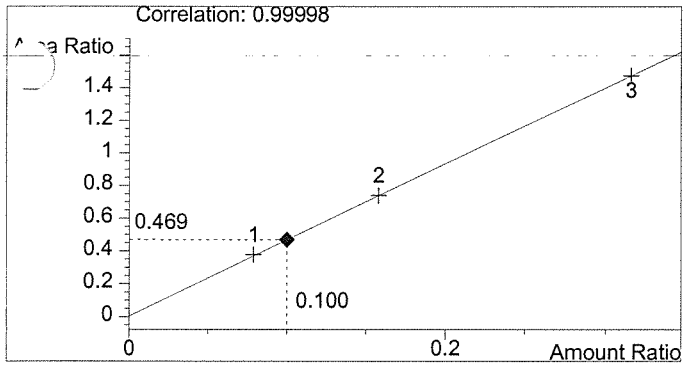
0.100 ctrl
Naziha Nuwayhid, PhD

vial # 19

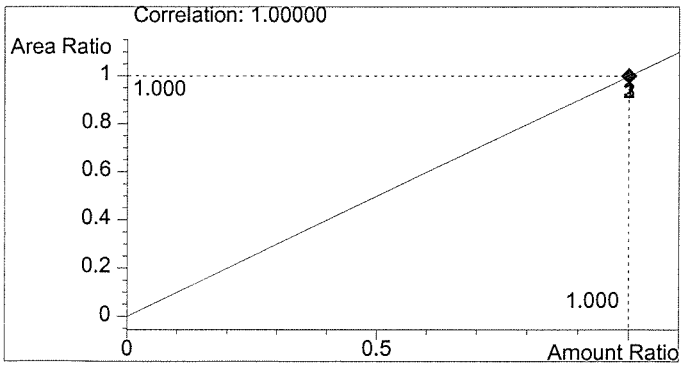


#	Compound	Area	RT
1	Ethanol	1484	1.057
2	n-Propanol	3163	1.847

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 2
[illegible]-ALC1

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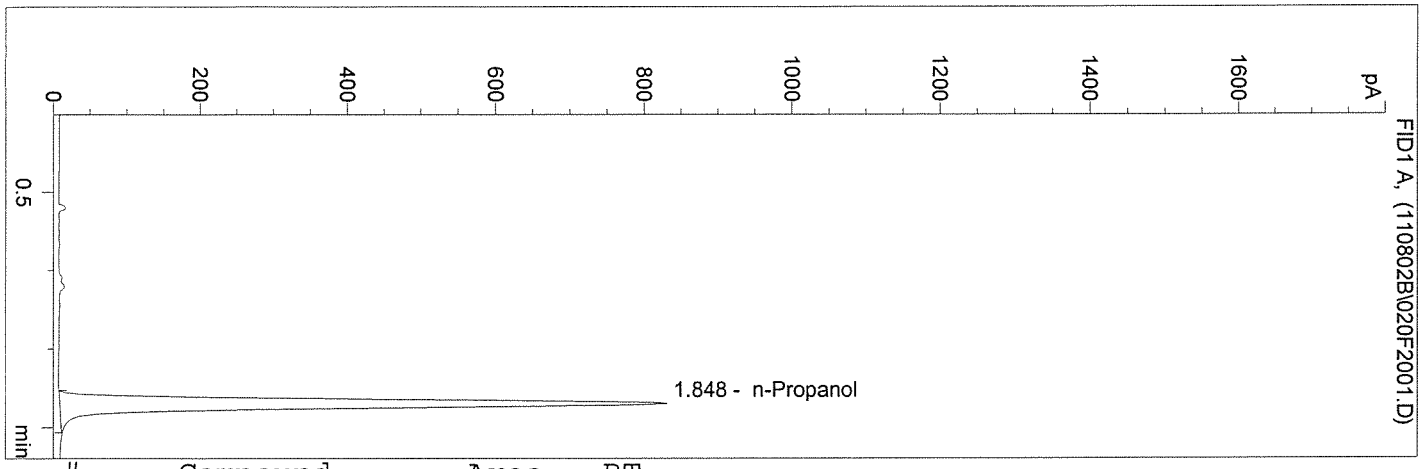
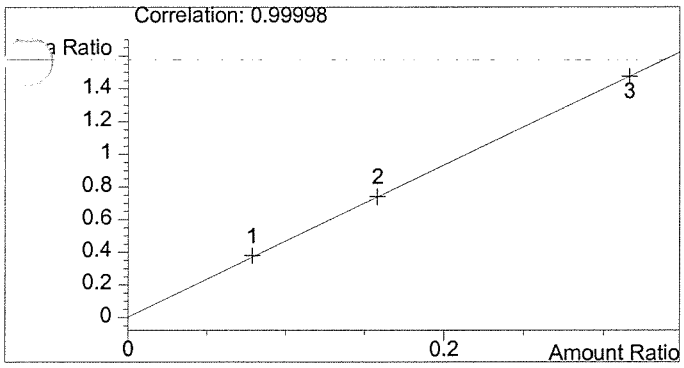
Naziha Nuwayhid, PhD

vial # 20

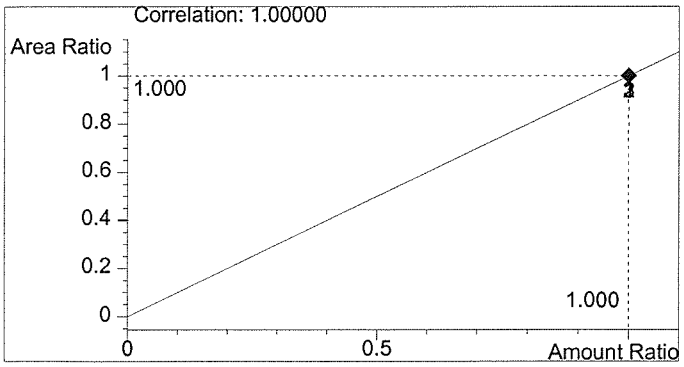


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3162	1.848

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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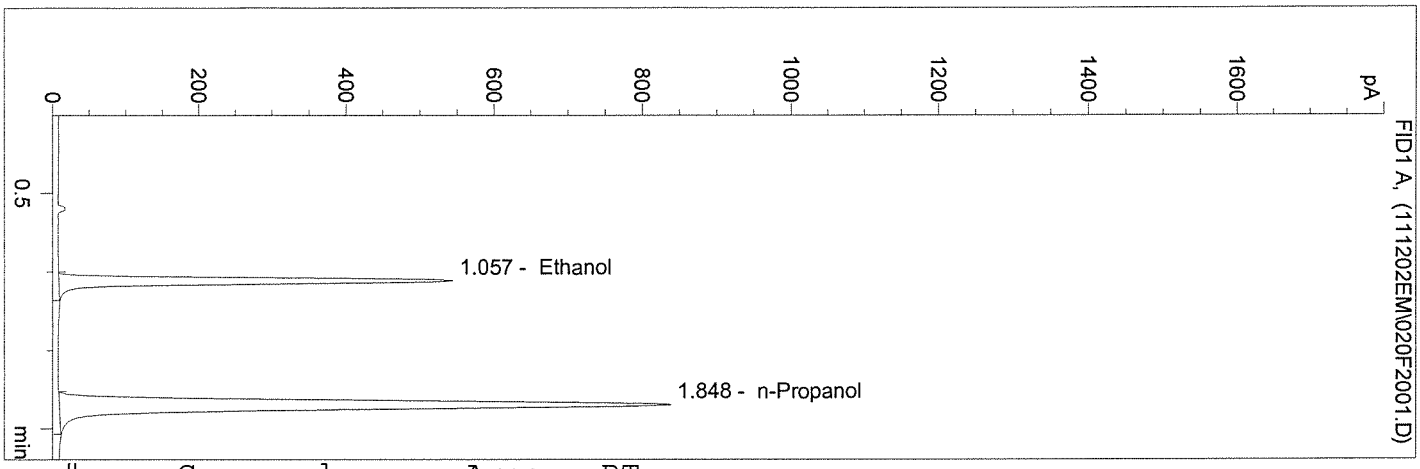
11/12/02 12:22:08 PM
Instrument 2
DB-ALC1

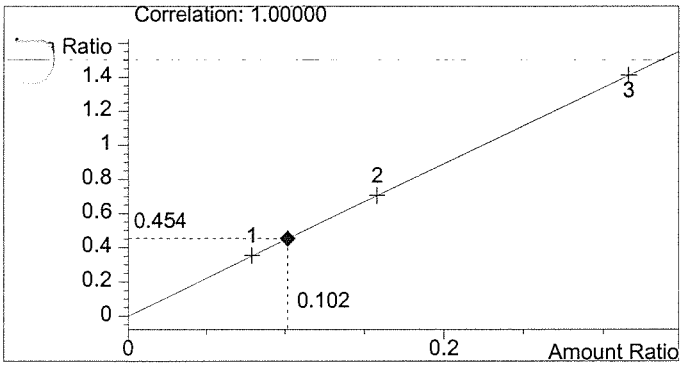
Sim. Sol. 02038
Estuardo J. Miranda

vial # 20

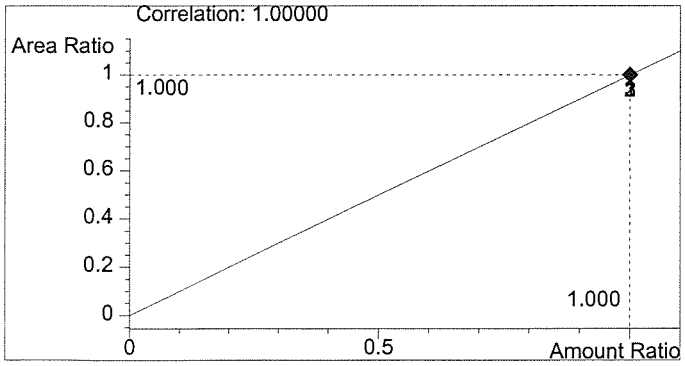


#	Compound	Area	RT
1	Ethanol	1455	1.057
2	n-Propanol	3208	1.848

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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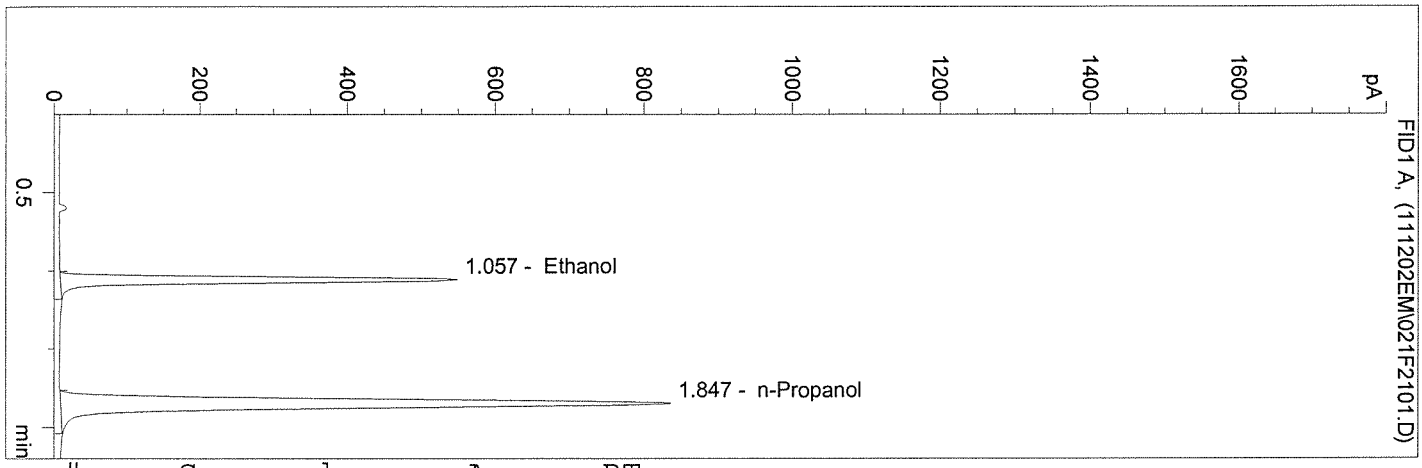
11/12/02 12:25:28 PM
Instrument 2
DB-ALC1

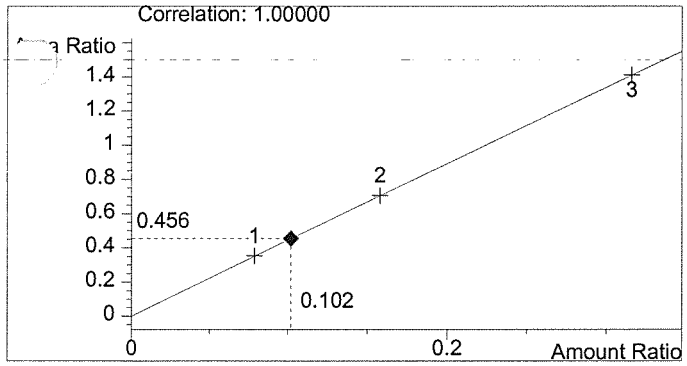
Sim. Sol. 02038
Estuardo J. Miranda

vial # 21

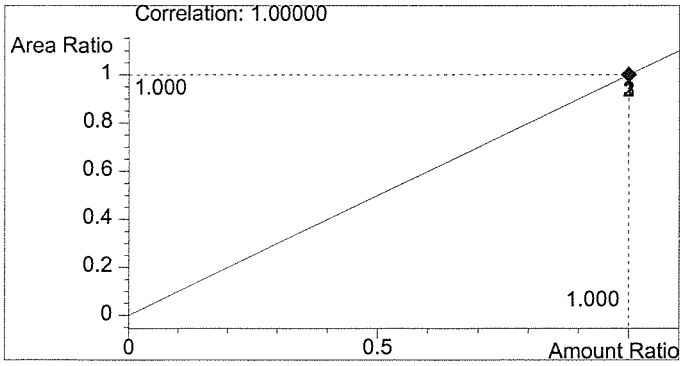


#	Compound	Area	RT
1	Ethanol	1462	1.057
2	n-Propanol	3207	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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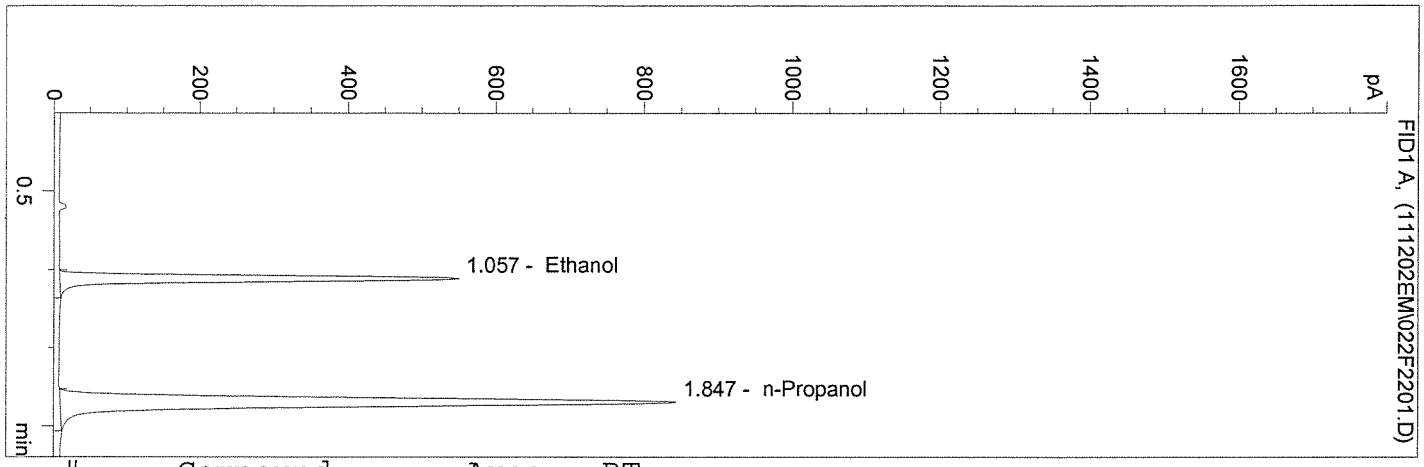
11/12/02 12:28:15 PM
Instrument 2
DB-ALC1

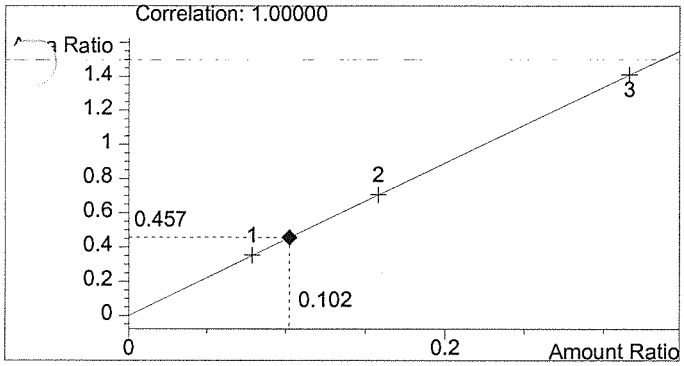
Sim. Sol. 02038
Estuardo J. Miranda

vial # 22

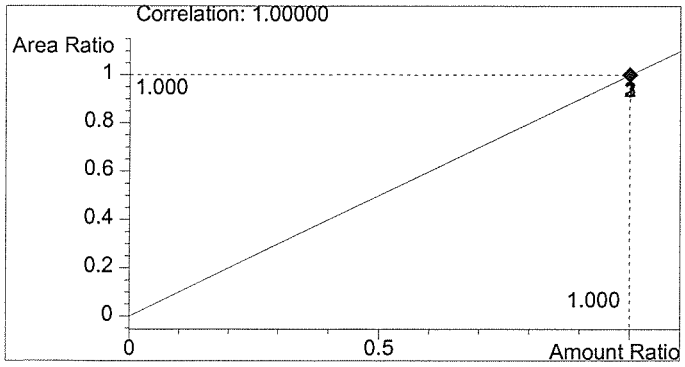


#	Compound	Area	RT
1	Ethanol	1472	1.057
2	n-Propanol	3220	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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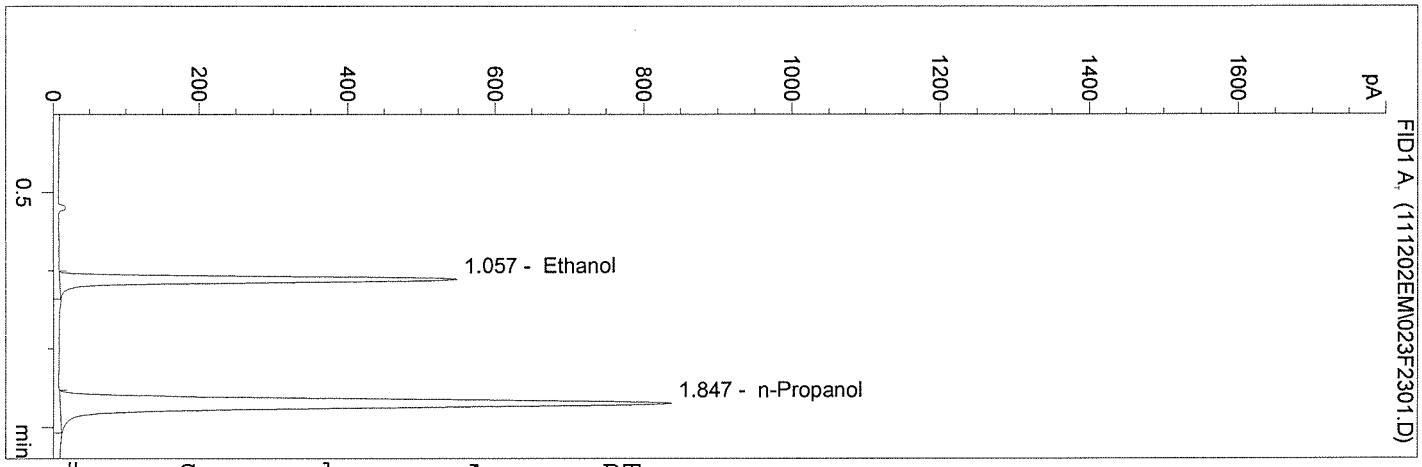
11/12/02 12:31:03 PM
Instrument 2
DB-ALC1

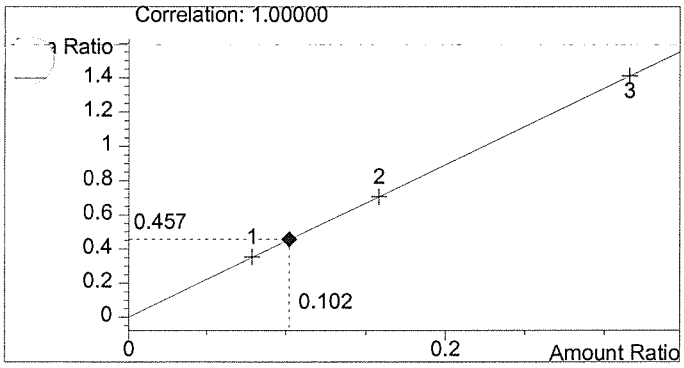
Sim. Sol. 02038
Estuardo J. Miranda

vial # 23

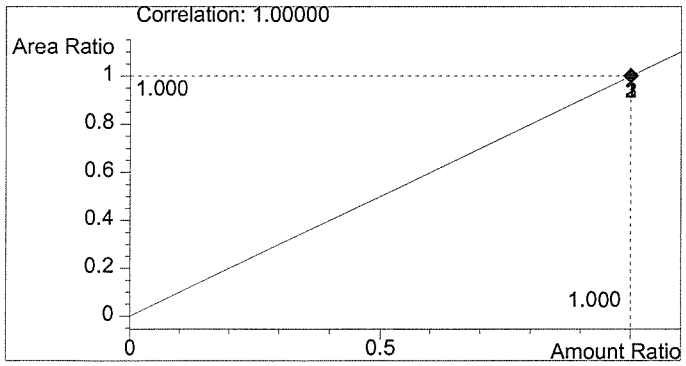


#	Compound	Area	RT
1	Ethanol	1464	1.057
2	n-Propanol	3206	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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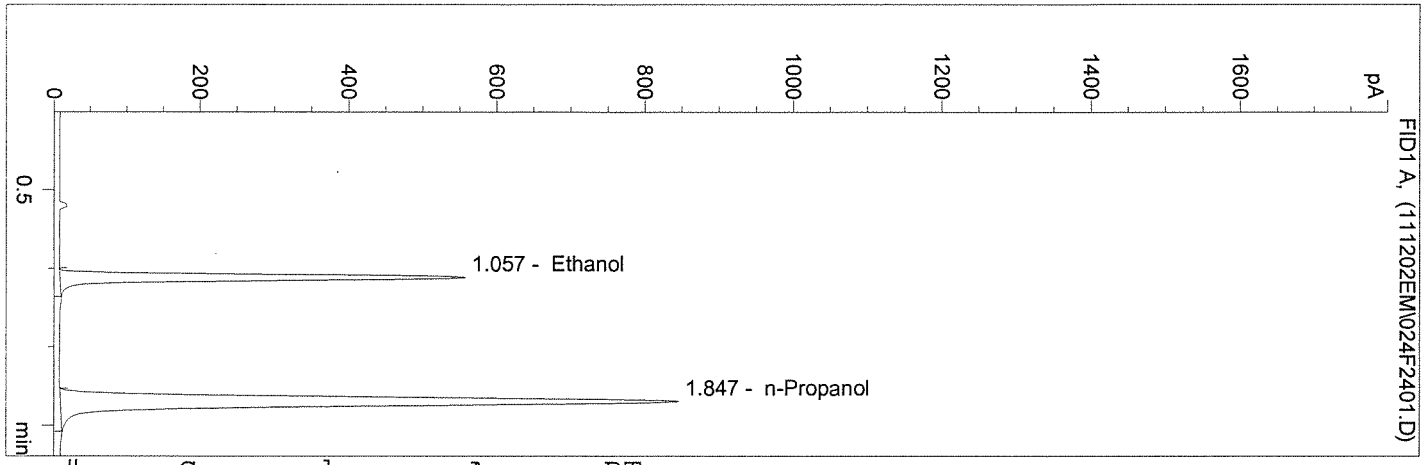
11/12/02 12:33:42 PM
Instrument 2
DP-ALC1

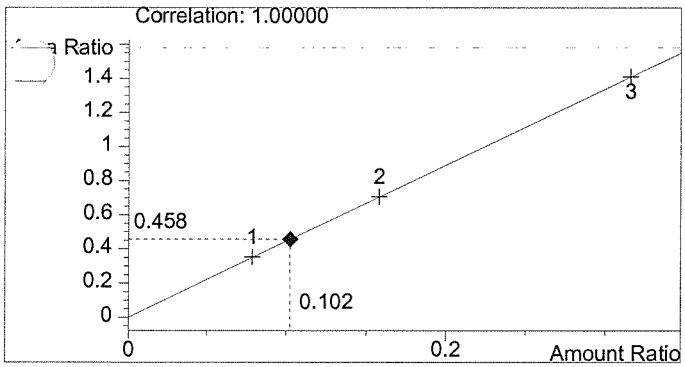
Sim. Sol. 02038
Estuardo J. Miranda

vial # 24

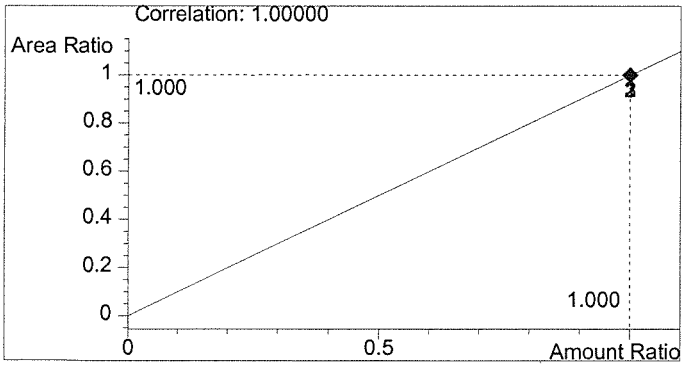


#	Compound	Area	RT
1	Ethanol	1483	1.057
2	n-Propanol	3238	1.847

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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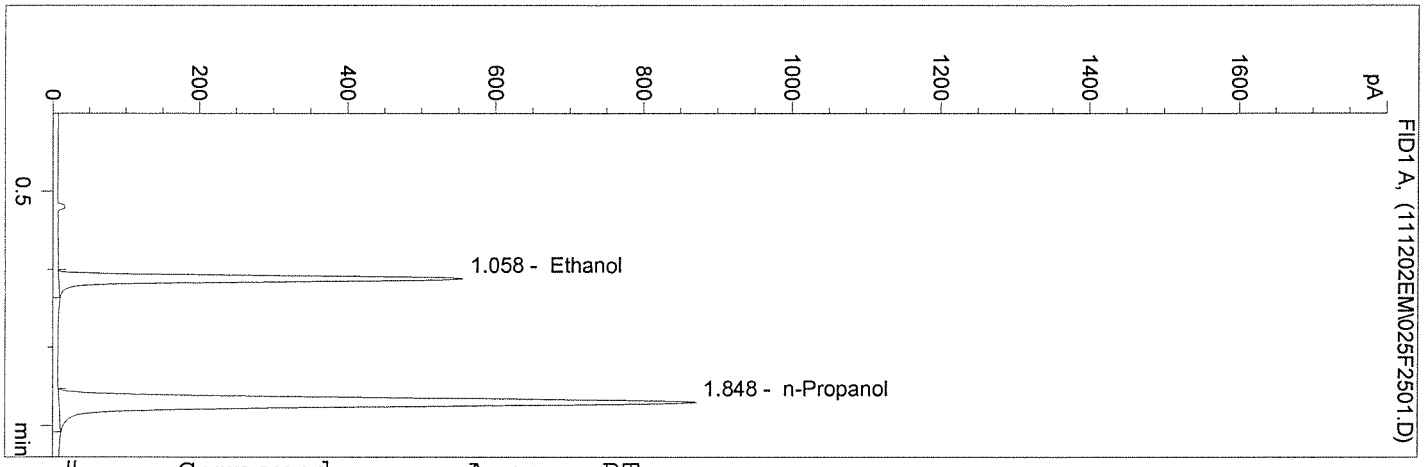
11/12/02 12:37:10 PM
Instrument 2
DB-ALC1

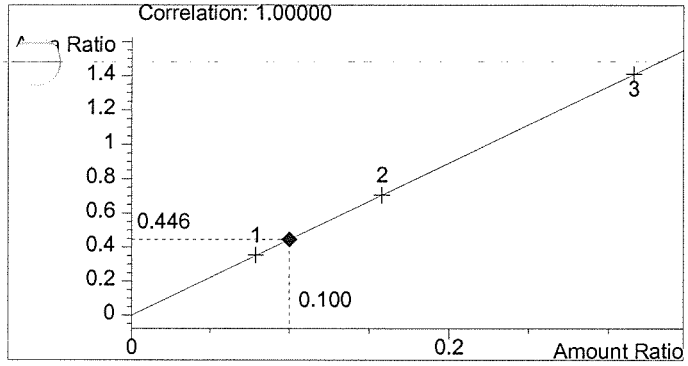
0.100 Control
Estuardo J. Miranda

vial # 25

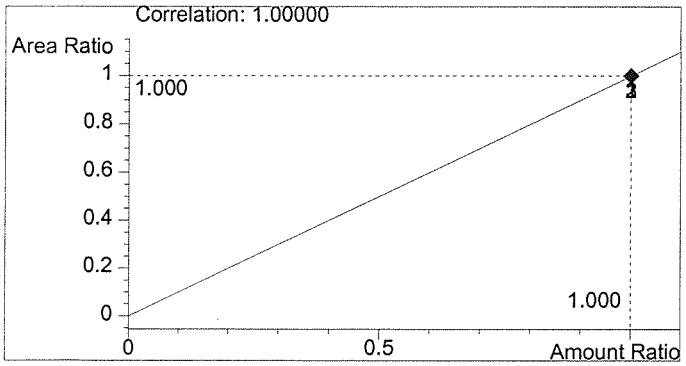


#	Compound	Area	RT
1	Ethanol	1490	1.058
2	n-Propanol	3339	1.848

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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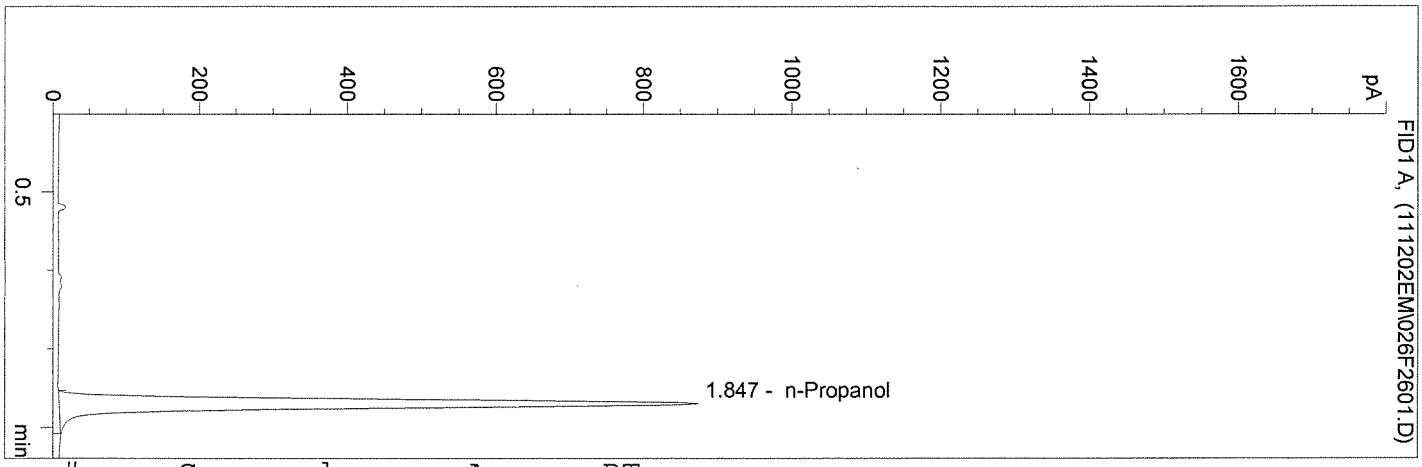
11/12/02 12:39:53 PM
Instrument 2
DB-ALC1

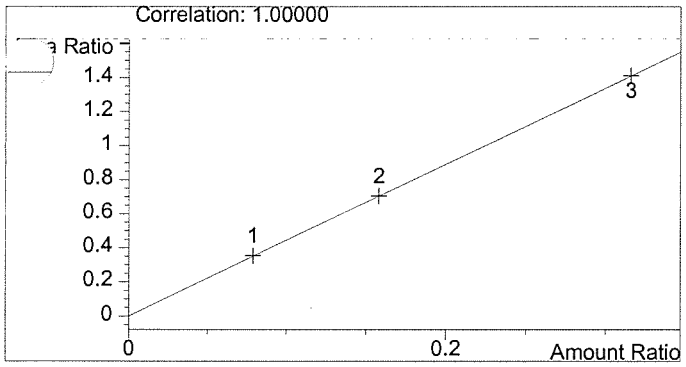
BLANK
Estuardo J. Miranda

vial # 26

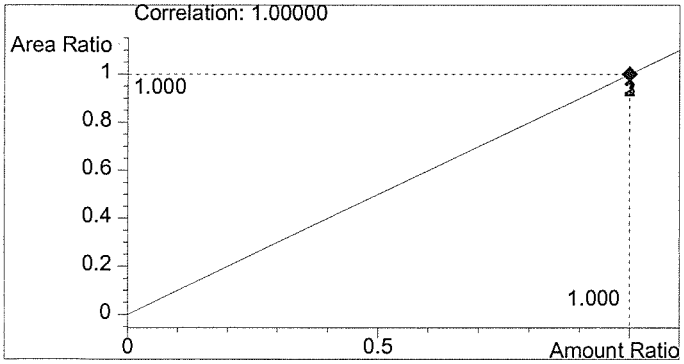


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3356	1.847

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
DB-ALC1

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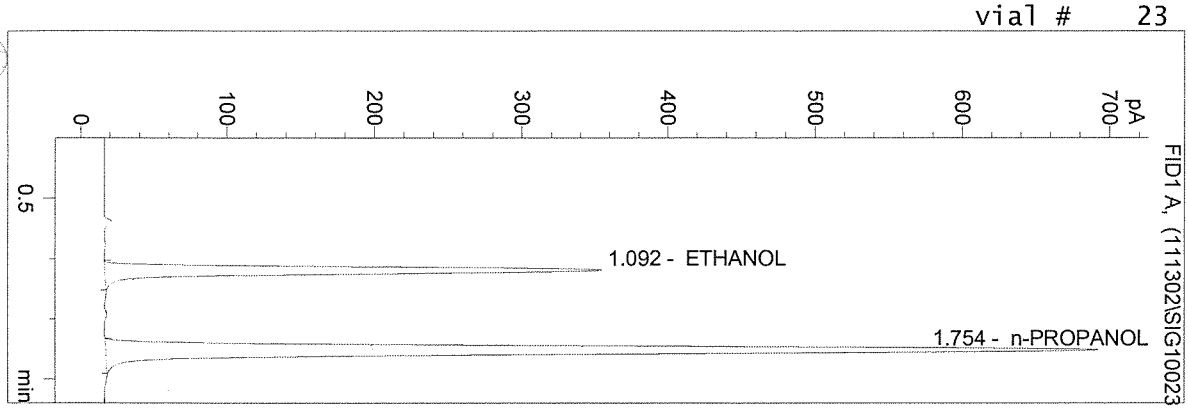
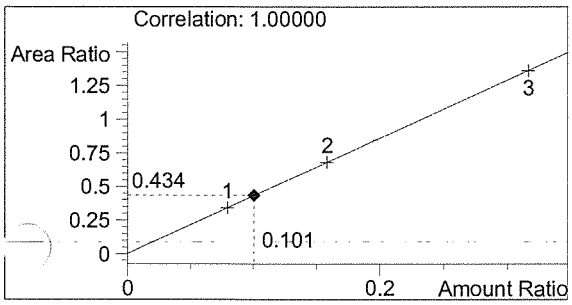
Ann Marie Gordon

vial # 23

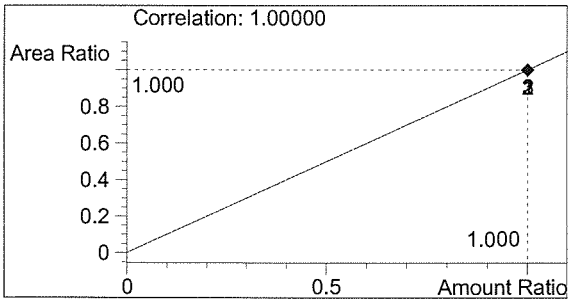


#	Compound	Area	RT
1	ETHANOL	1332	1.092
2	n-PROPANOL	3069	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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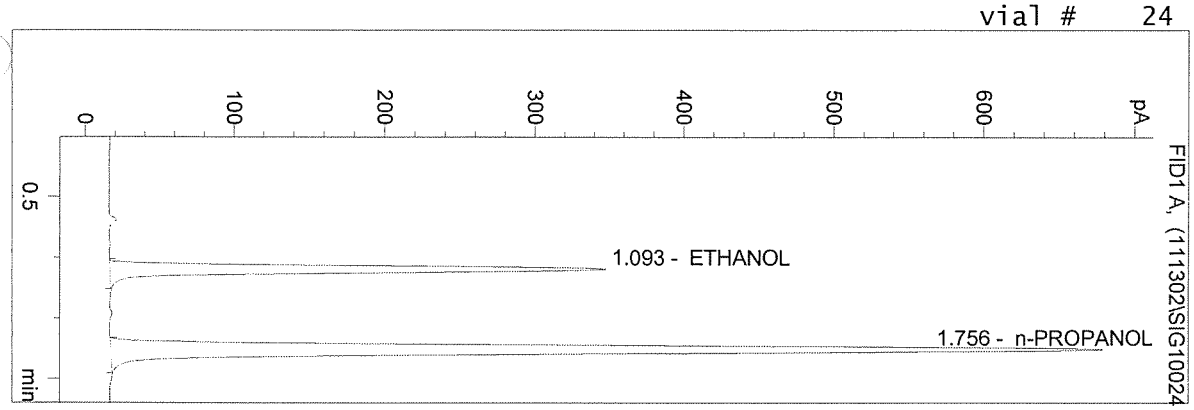
11/13/02 9:42:28 AM
Instrument 3
DB-ALC1

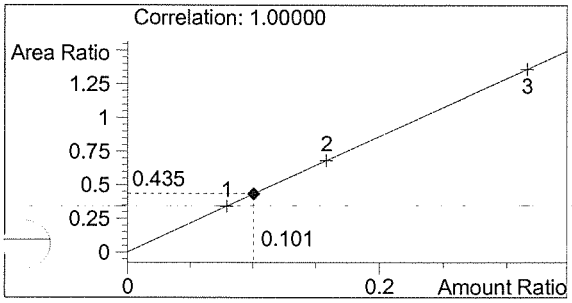
02038-2 SIM
Ann Marie Gordon

vial # 24

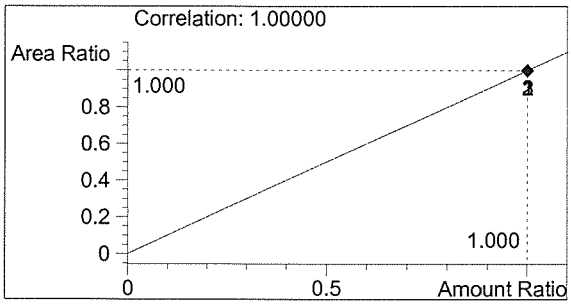


#	Compound	Area	RT
1	ETHANOL	1310	1.093
2	n-PROPANOL	3013	1.756

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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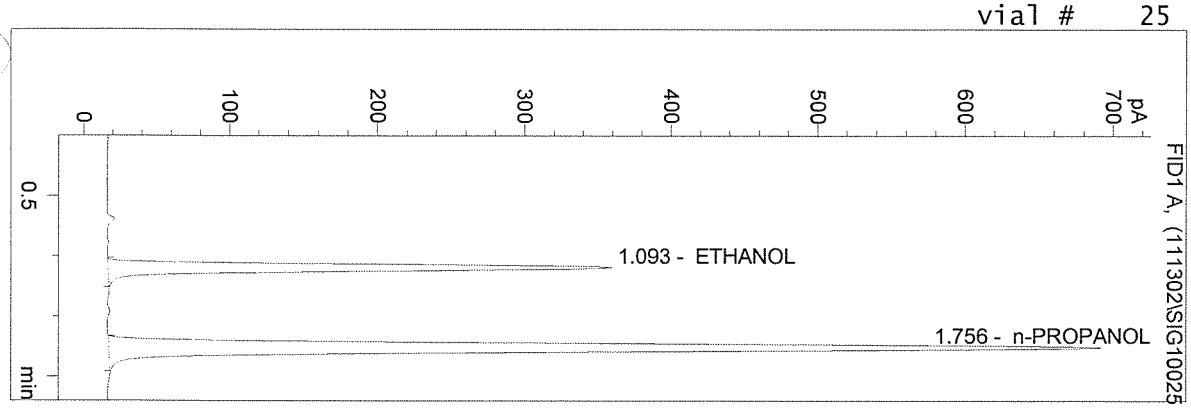
11/13/02 9:45:52 AM
Instrument 3
DB-ALC1

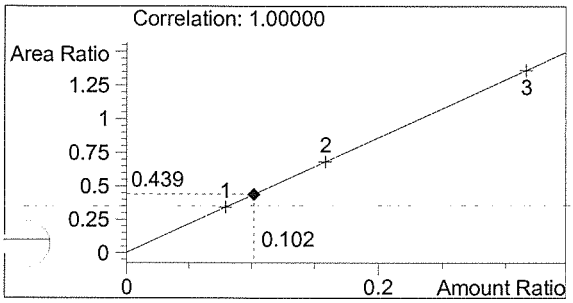
02038-3 SIM
Ann Marie Gordon

vial # 25

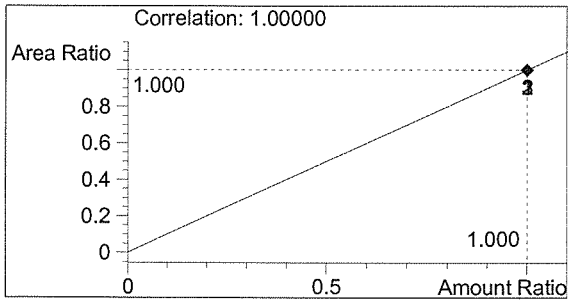


#	Compound	Area	RT
1	ETHANOL	1349	1.093
2	n-PROPANOL	3073	1.756

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

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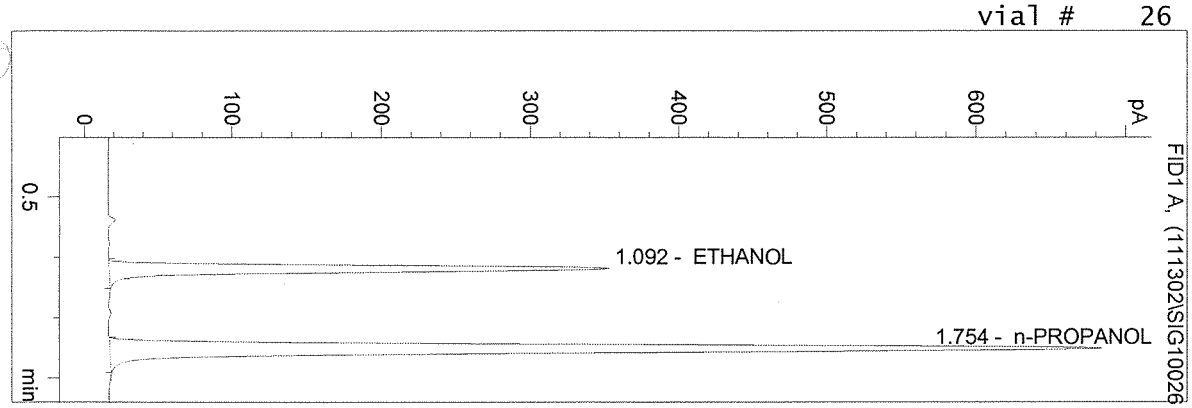
11/13/02 9:49:15 AM
Instrument 3
DB-ALC1

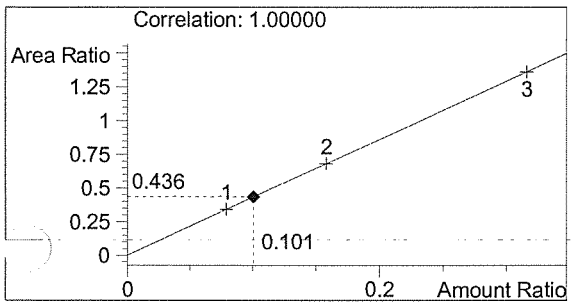
02038-4 SIM
Ann Marie Gordon

vial # 26

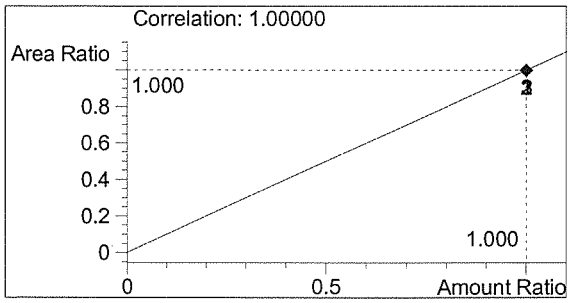


#	Compound	Area	RT
1	ETHANOL	1317	1.092
2	n-PROPANOL	3024	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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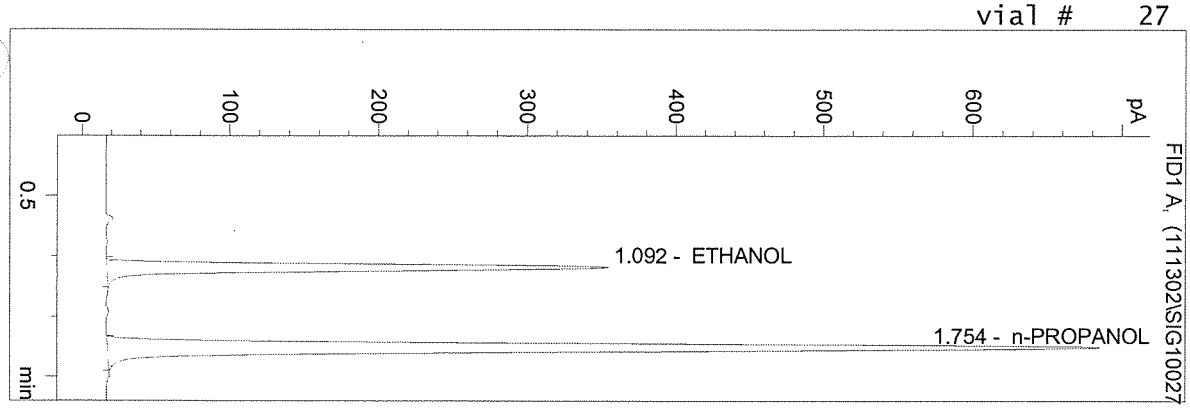
11/13/02 9:52:38 AM
Instrument 3
DB-ALC1

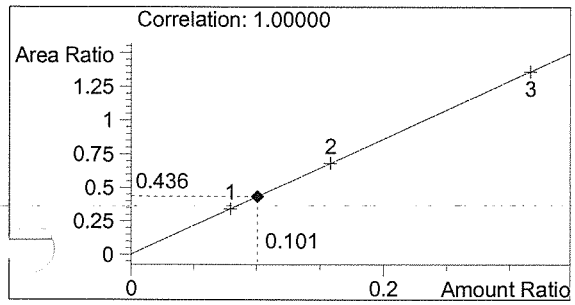
02038-5 SIM
Ann Marie Gordon

vial # 27

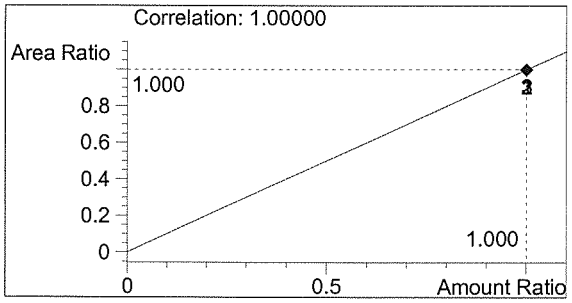


#	Compound	Area	RT
1	ETHANOL	1318	1.092
2	n-PROPANOL	3025	1.754

Totals:



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

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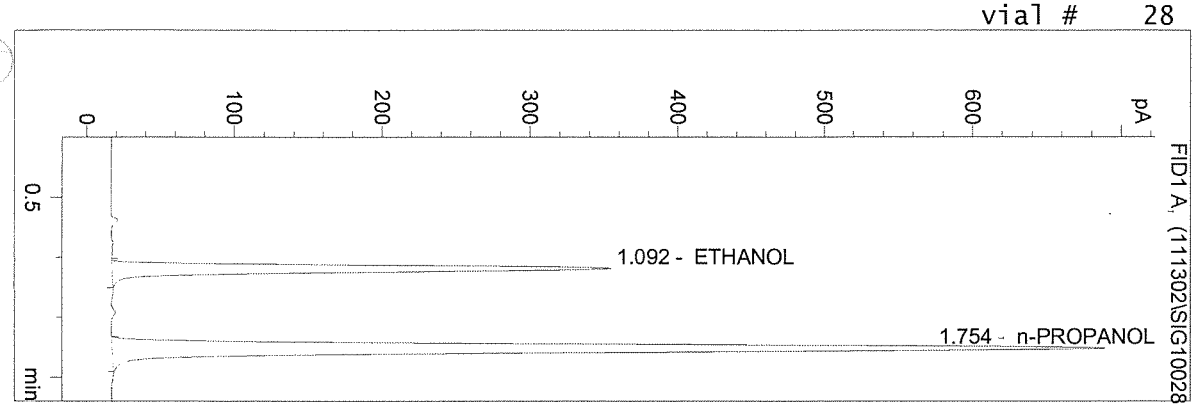
11/13/02 9:56:01 AM
Instrument 3
DB-ALC1

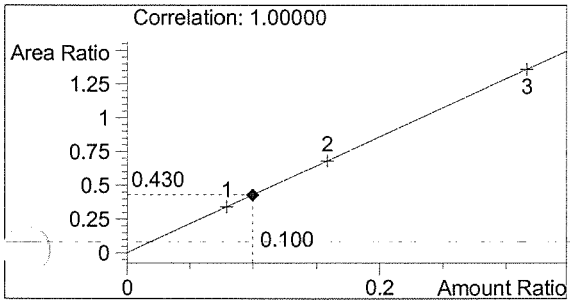
0.10 Control
Ann Marie Gordon

vial # 28

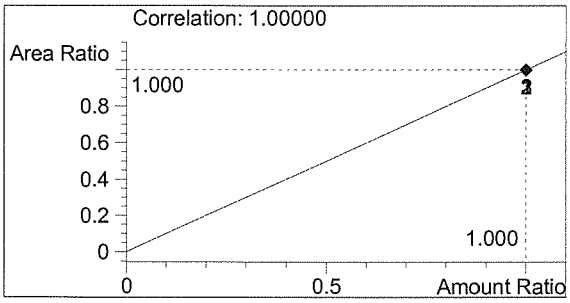


#	Compound	Area	RT
1	ETHANOL	1317	1.092
2	n-PROPANOL	3060	1.754

Totals:



ETHANOL 0.100 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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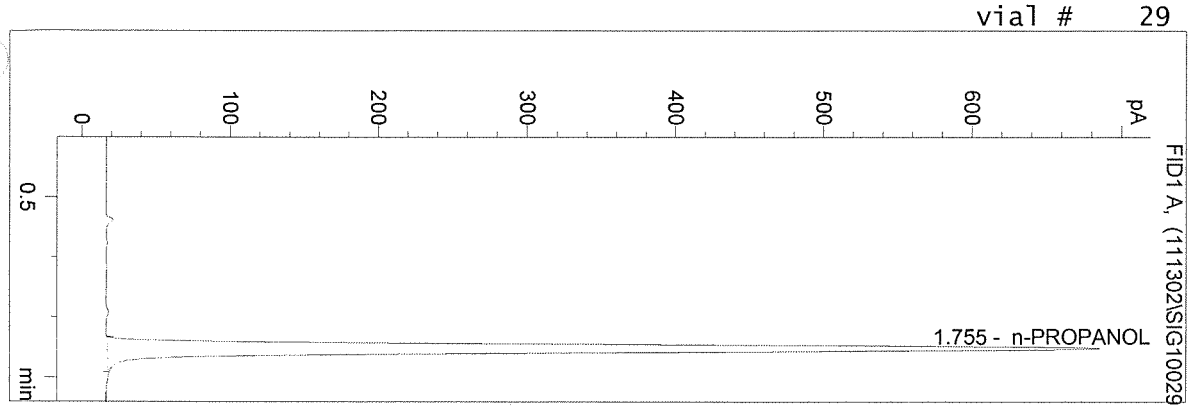
11/13/02 9:59:25 AM
Instrument 3
DB-ALC1

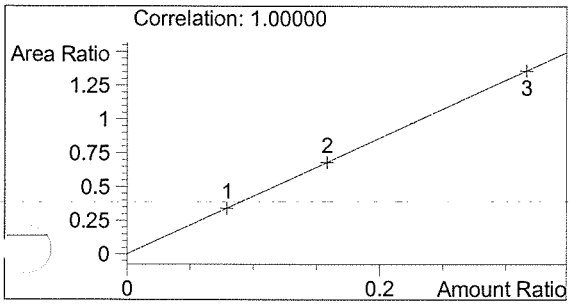
Blank
Ann Marie Gordon

vial # 29

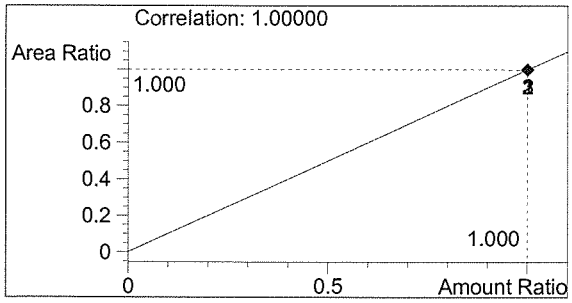


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3015	1.755

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

Cal in 026762

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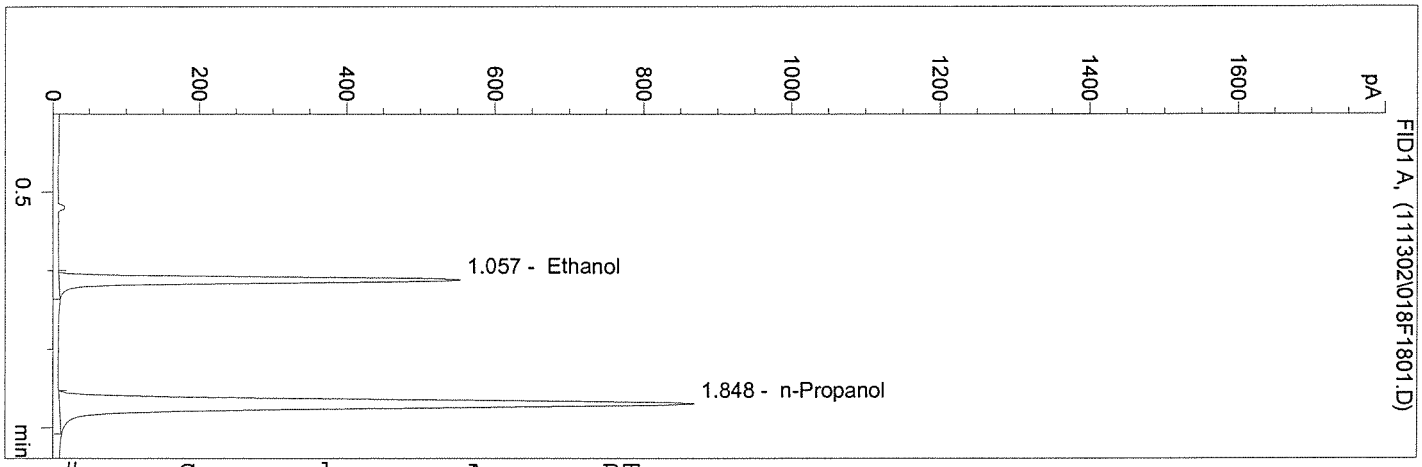
11/13/02 10:47:57 AM
Instrument 2
DB-ALC1

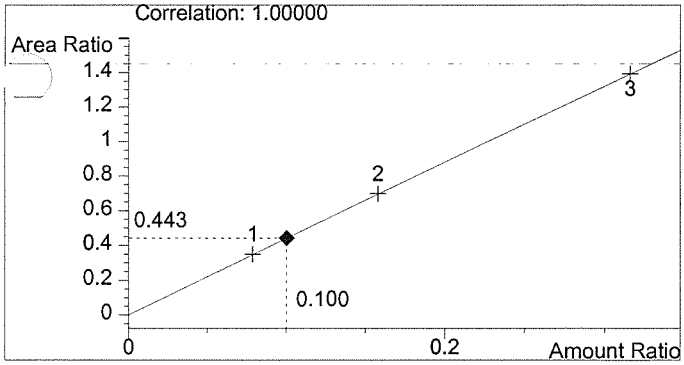
02038 SIM SOL
RUTH LUTHI

vial # 18

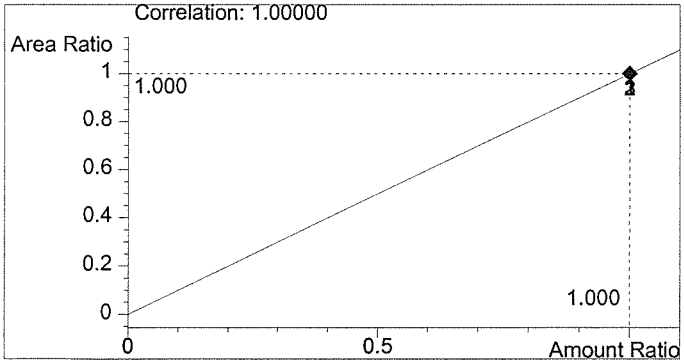


#	Compound	Area	RT
1	Ethanol	1479	1.057
2	n-Propanol	3337	1.848

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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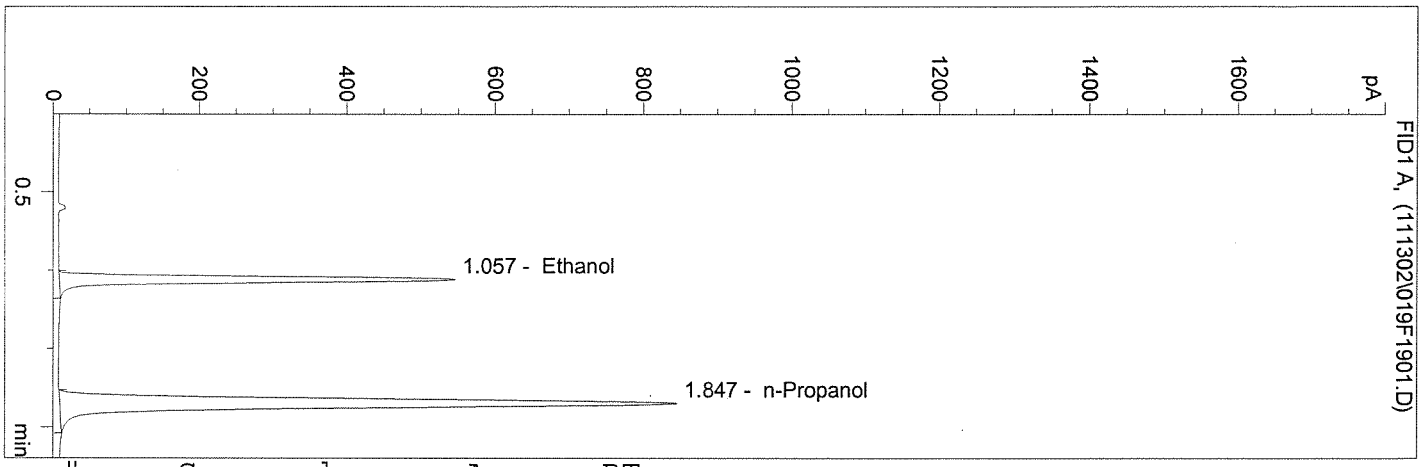
11/13/02 10:50:46 AM
Instrument 2
DB-ALC1

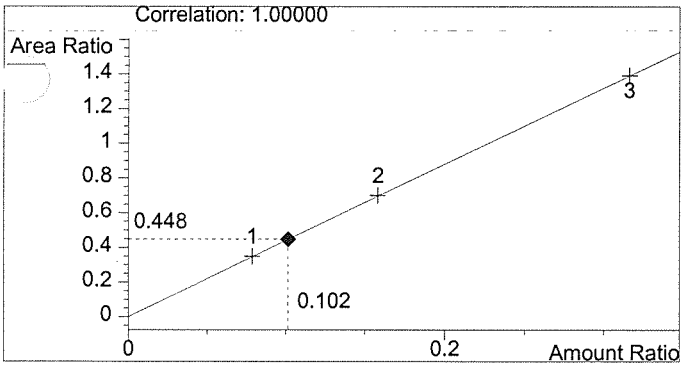
02038 SIM SOL
RUTH LUTHI

vial # 19

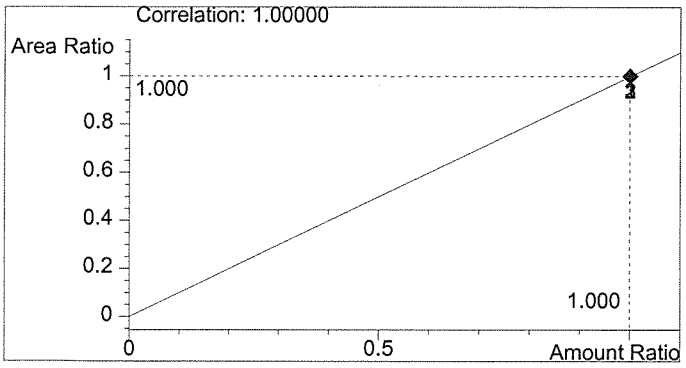


#	Compound	Area	RT
1	Ethanol	1457	1.057
2	n-Propanol	3252	1.847

Totals:



Ethanol 0.102 g/100ml



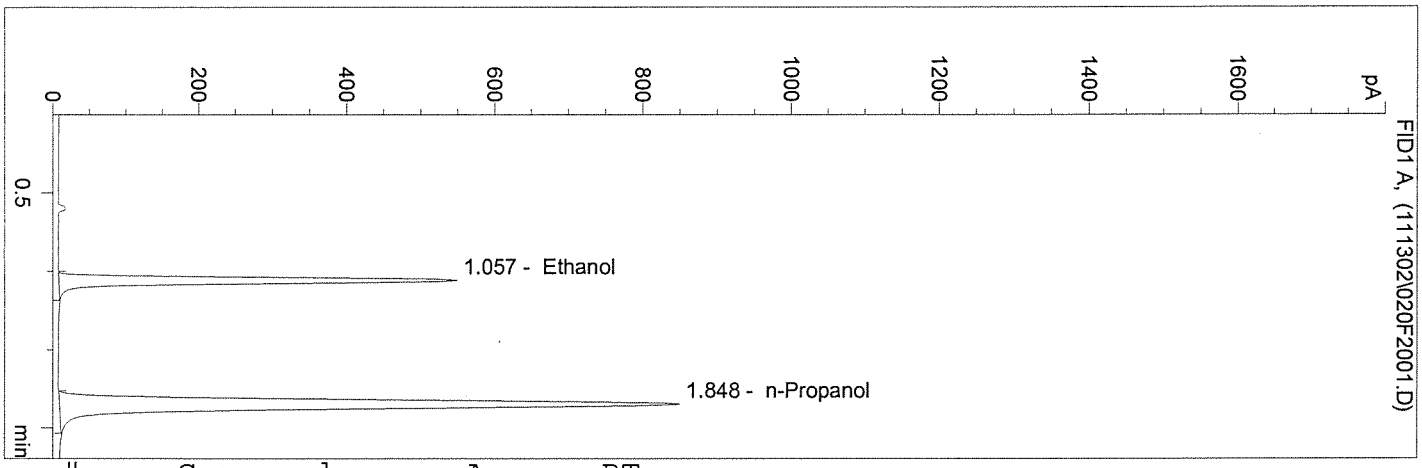
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/13/02 10:53:27 AM
Instrument 2
DB-ALC1

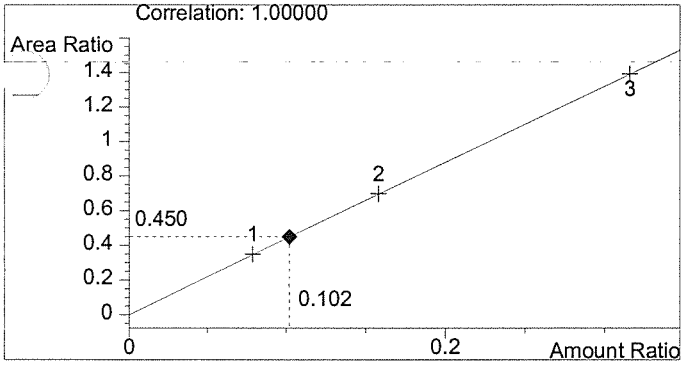
02038 SIM SOL
RUTH LUTHI

vial # 20

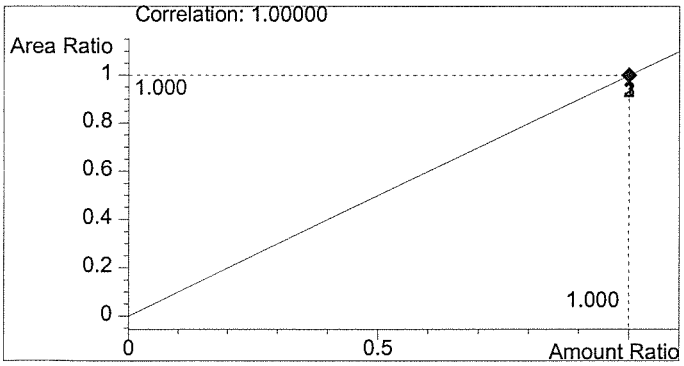


#	Compound	Area	RT
1	Ethanol	1467	1.057
2	n-Propanol	3261	1.848

Totals:



Ethanol 0.102 g/100ml



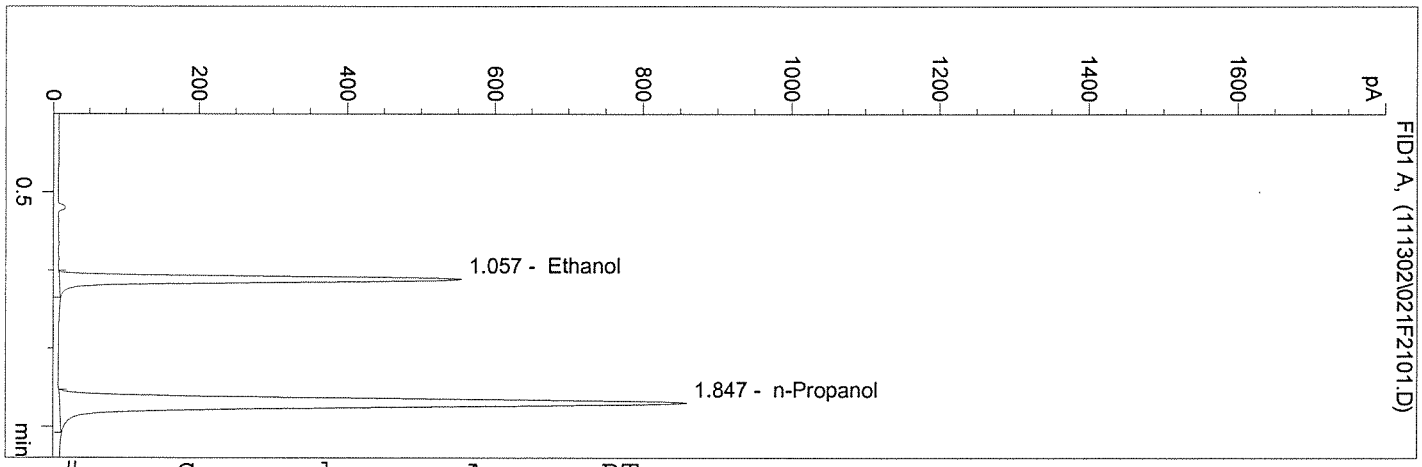
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/13/02 10:56:49 AM
Instrument 2
DB-ALC1

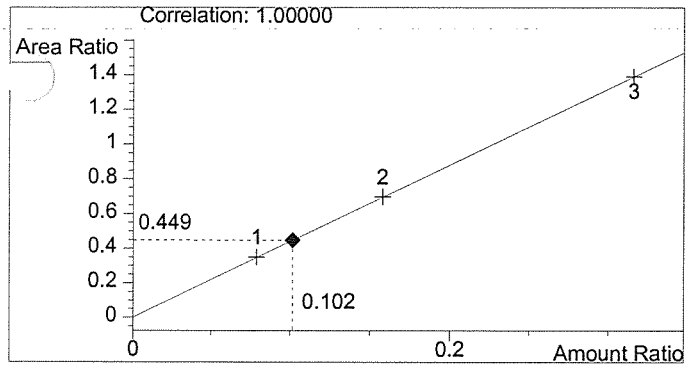
02038 SIM SOL
RUTH LUTHI

vial # 21

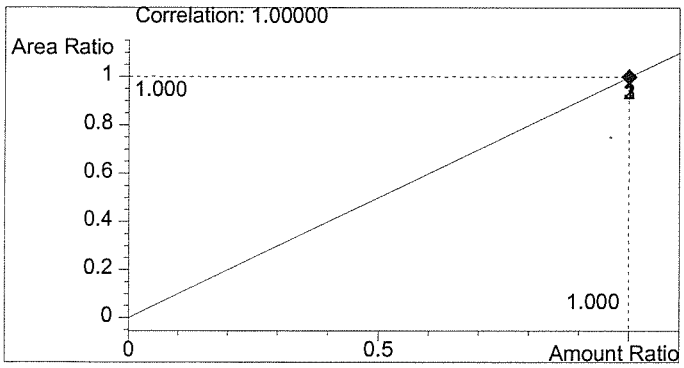


#	Compound	Area	RT
1	Ethanol	1482	1.057
2	n-Propanol	3303	1.847

Totals:



Ethanol 0.102 g/100ml



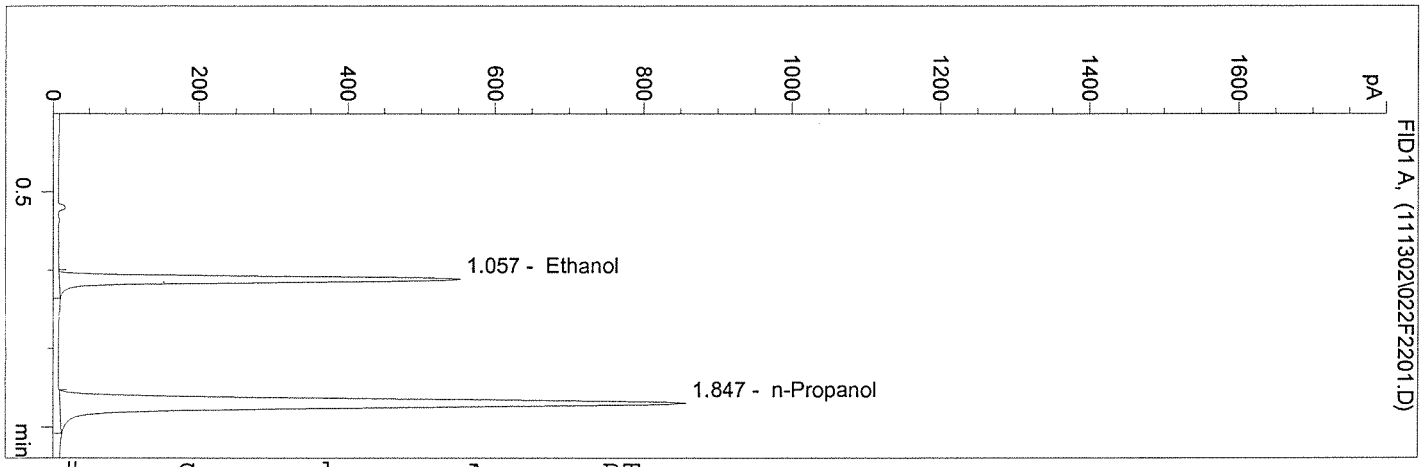
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/13/02 10:59:37 AM
Instrument 2
DB-ALC1

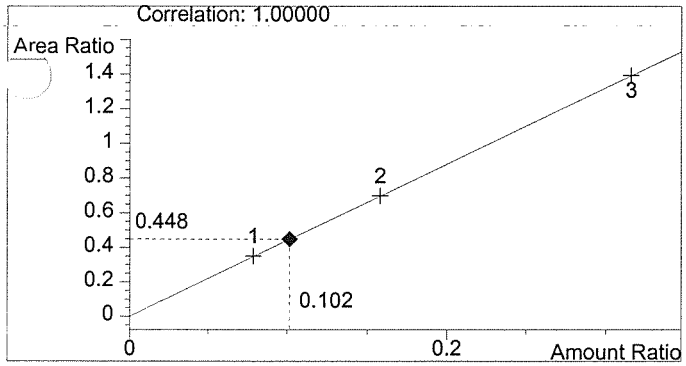
02038 SIM SOL
RUTH LUTHI

vial # 22

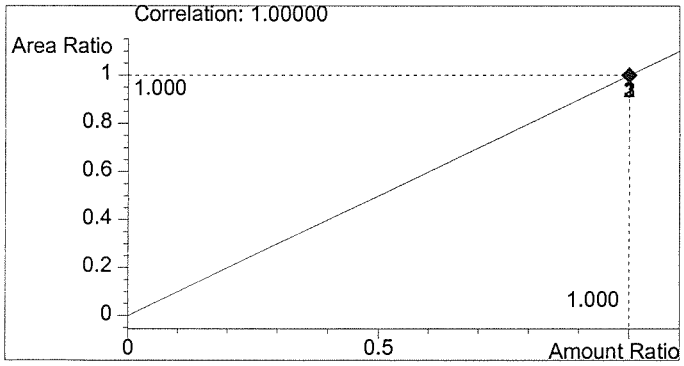


#	Compound	Area	RT
1	Ethanol	1476	1.057
2	n-Propanol	3293	1.847

Totals:



Ethanol 0.102 g/100ml



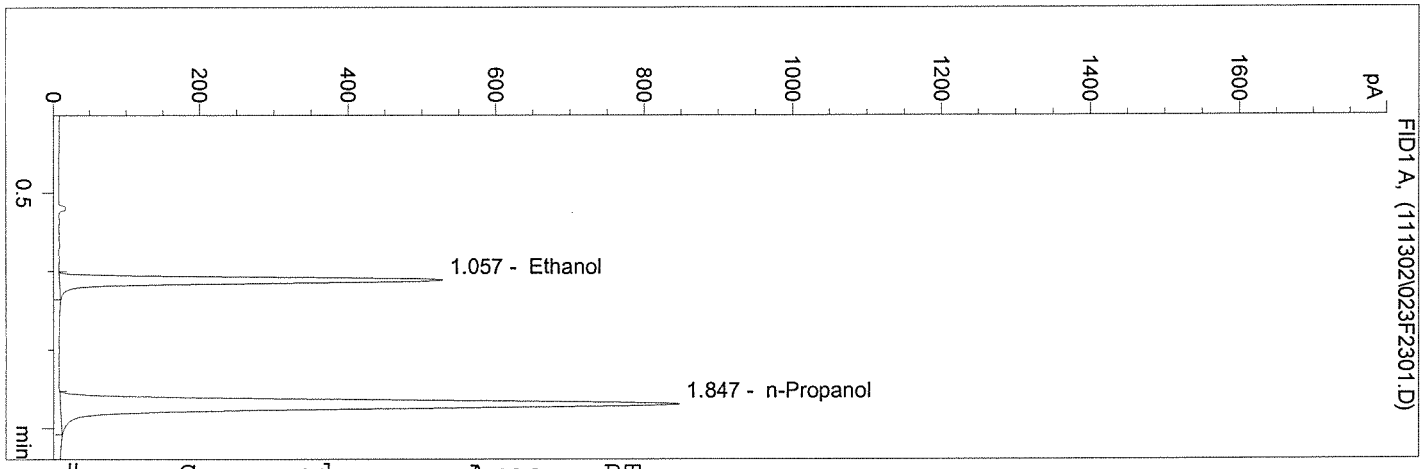
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/13/02 11:02:26 AM
Instrument 2
DB-ALC1

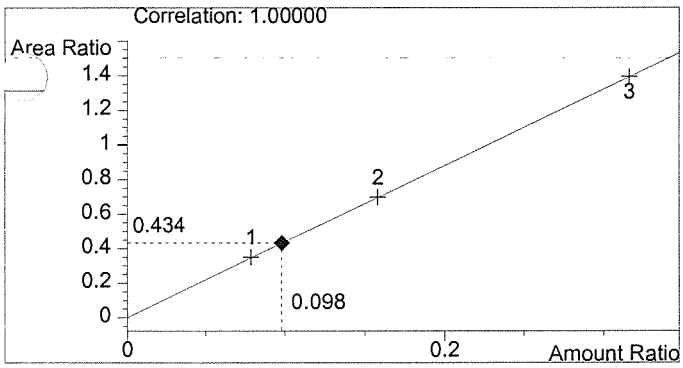
0.100 CTRL
RUTH LUTHI

vial # 23

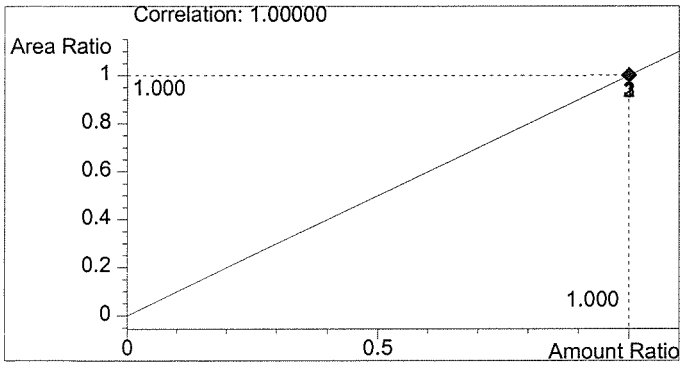


#	Compound	Area	RT
1	Ethanol	1412	1.057
2	n-Propanol	3257	1.847

Totals:



Ethanol 0.098 g/100ml



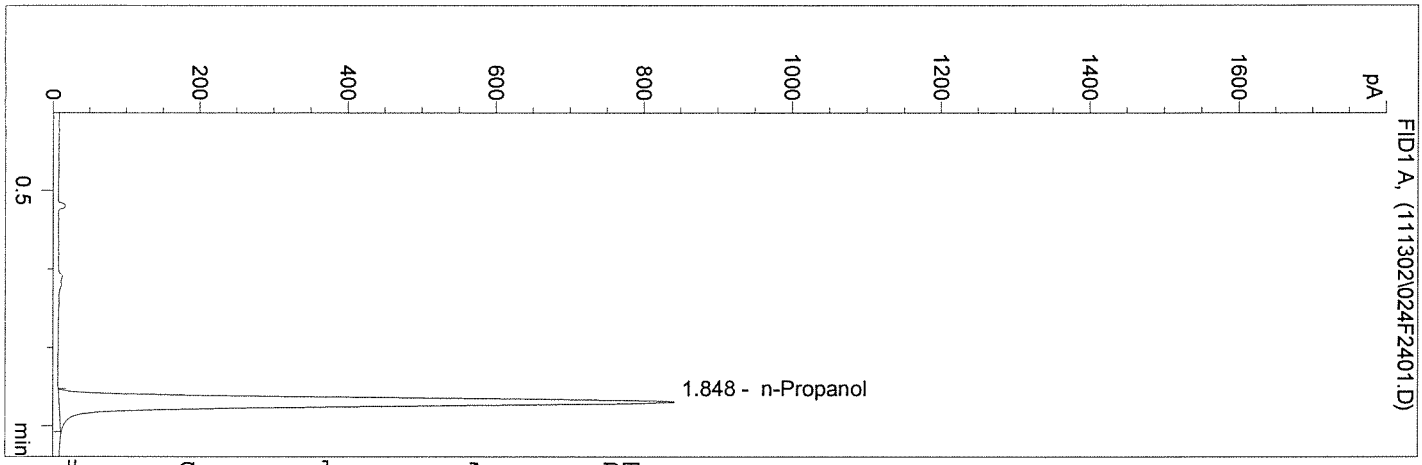
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

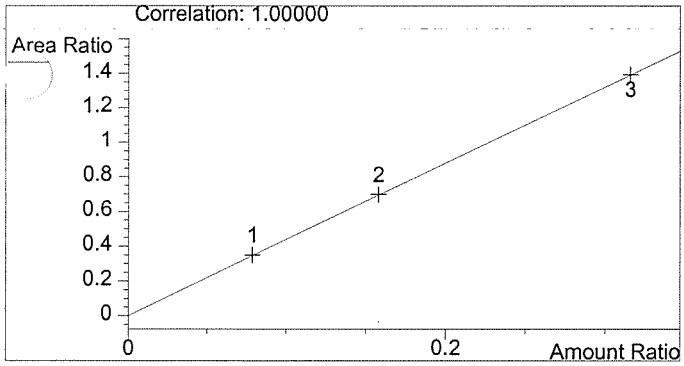
C:\HPCHEM\2\METHODS\BLDALCO2.M
11/13/02 11:05:12 AM
Instrument 2
DB-ALC1

BLANK
RUTH LUTHI

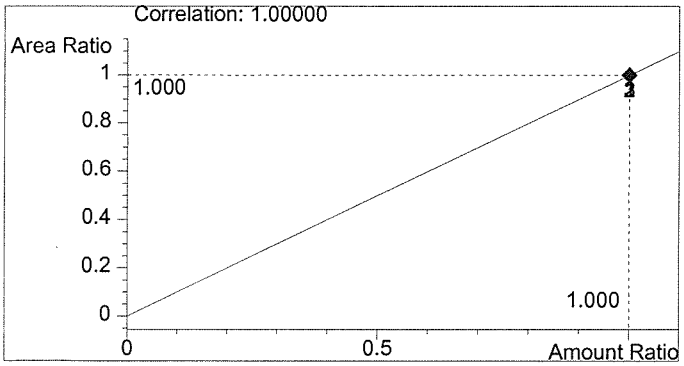
vial # 24



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3236	1.848
Totals:			



Ethanol 0.000 g/100ml



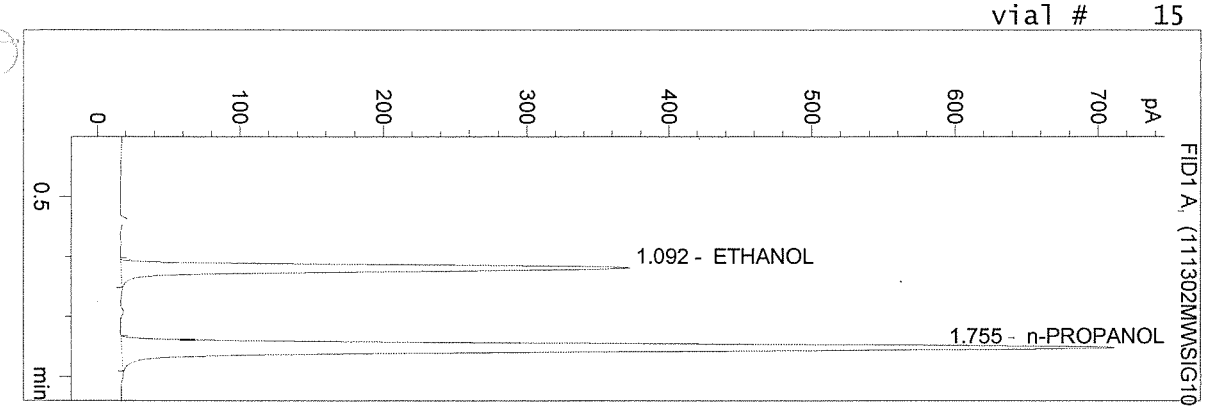
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:35:05 PM
Instrument 3
DB-ALC1

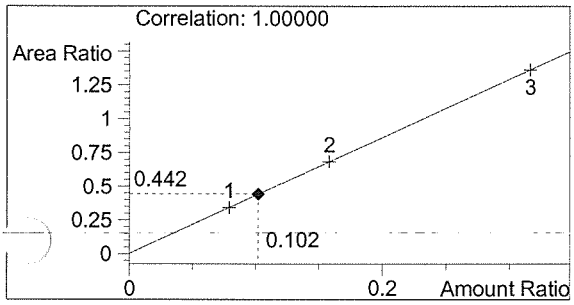
02038
Mary Wilson

vial # 15

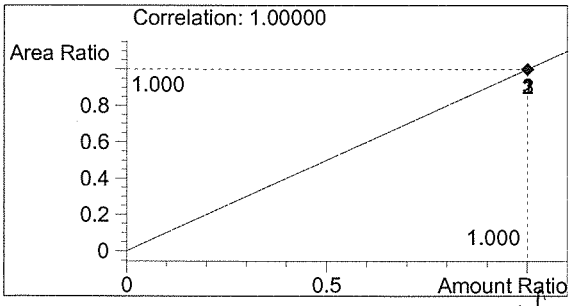


#	Compound	Area	RT
1	ETHANOL	1395	1.092
2	n-PROPANOL	3156	1.755

Totals:



ETHANOL 0.102 g/100mL



n-PROPANOL 1.000 g/100mL

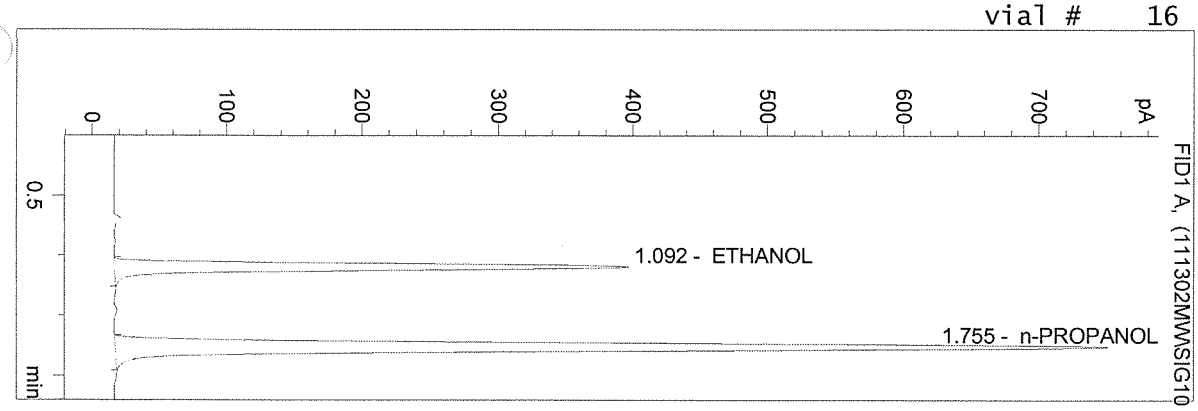
Calibration with Ann Marie's 02036 11/13/02 run

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:38:28 PM
Instrument 3
DB-ALC1

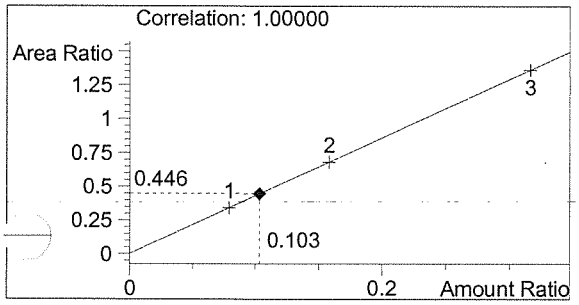
02038
Mary Wilson

vial # 16

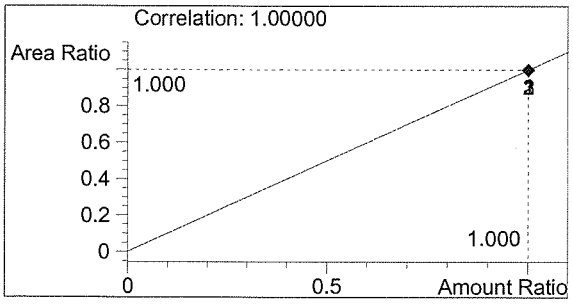


#	Compound	Area	RT
1	ETHANOL	1477	1.092
2	n-PROPANOL	3313	1.755

Totals:



ETHANOL 0.103 g/100mL



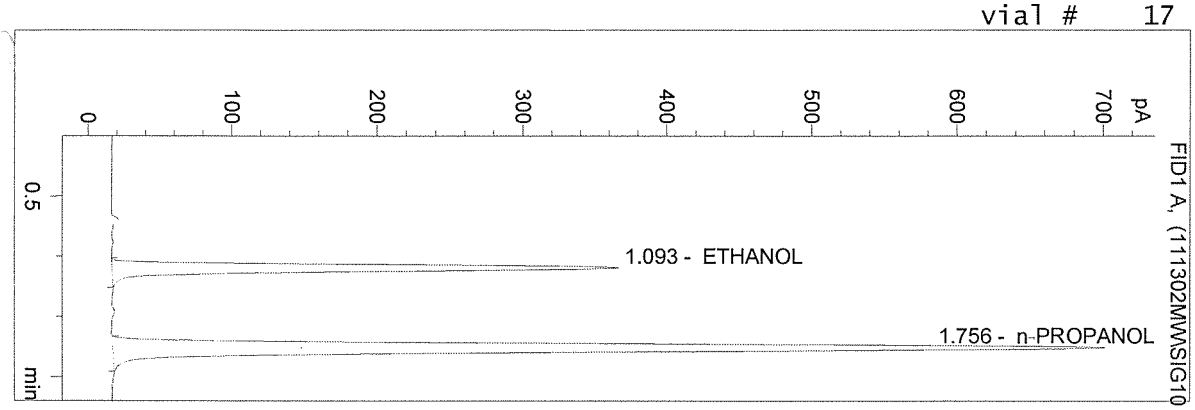
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:41:38 PM
Instrument 3
DB-ALC1

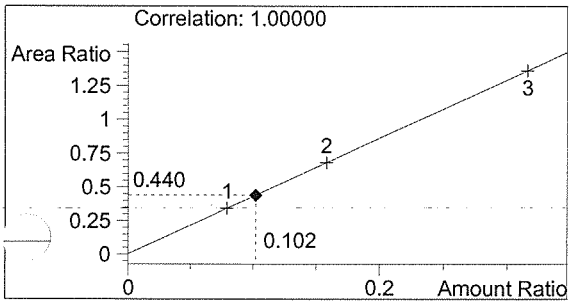
02038
Mary Wilson

vial # 17

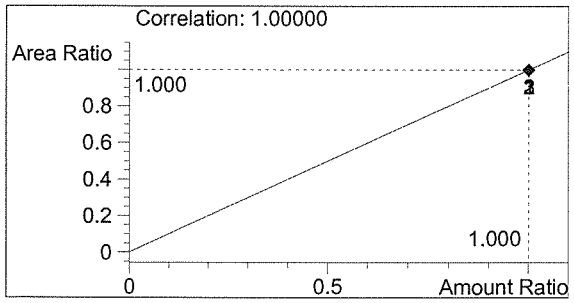


#	Compound	Area	RT
1	ETHANOL	1373	1.093
2	n-PROPANOL	3117	1.756

Totals:



ETHANOL 0.102 g/100mL



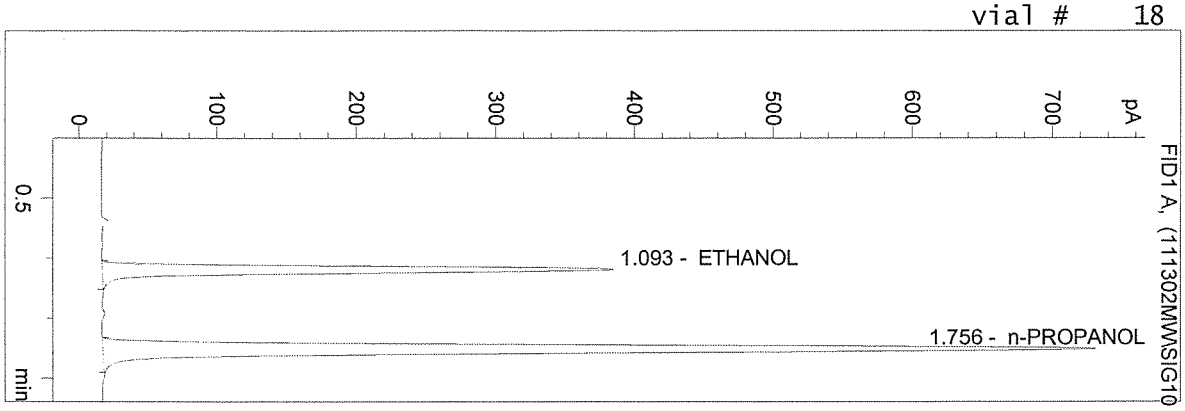
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:45:01 PM
Instrument 3
DB-ALC1

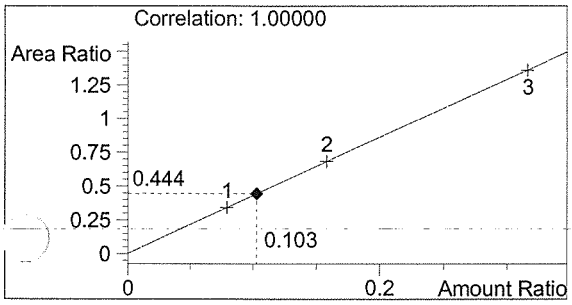
02038
Mary Wilson

vial # 18

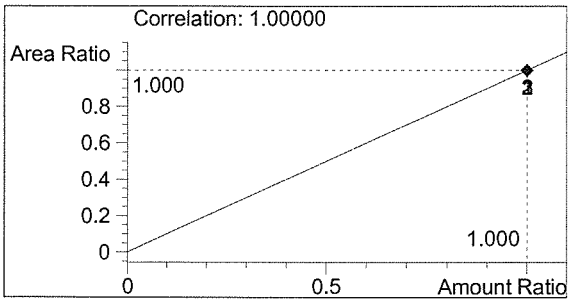


#	Compound	Area	RT
1	ETHANOL	1430	1.093
2	n-PROPANOL	3223	1.756

Totals:



ETHANOL 0.103 g/100mL



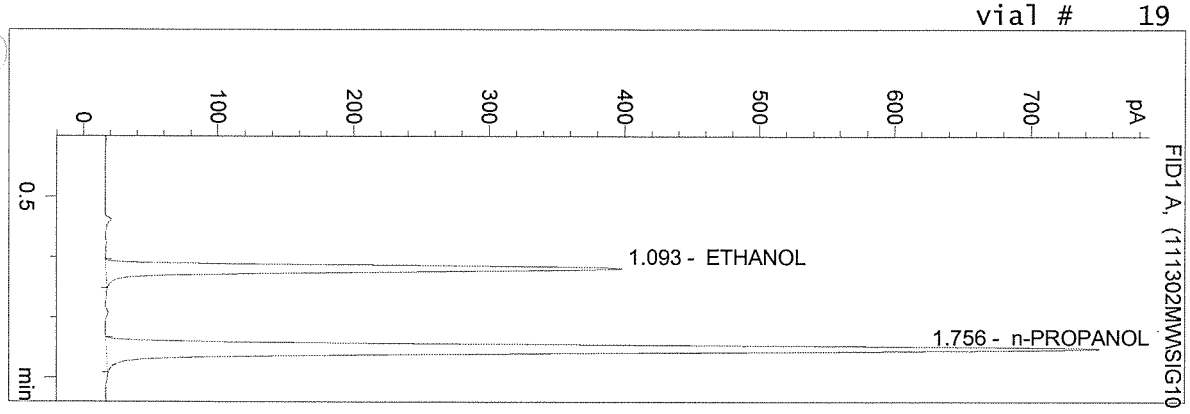
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:48:25 PM
Instrument 3
DB-ALC1

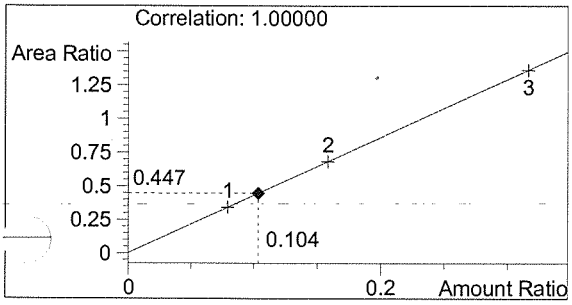
02038
Mary Wilson

vial # 19

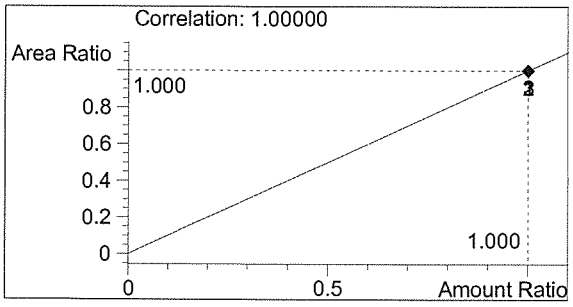


#	Compound	Area	RT
1	ETHANOL	1487	1.093
2	n-PROPANOL	3327	1.756

Totals:



ETHANOL 0.104 g/100mL



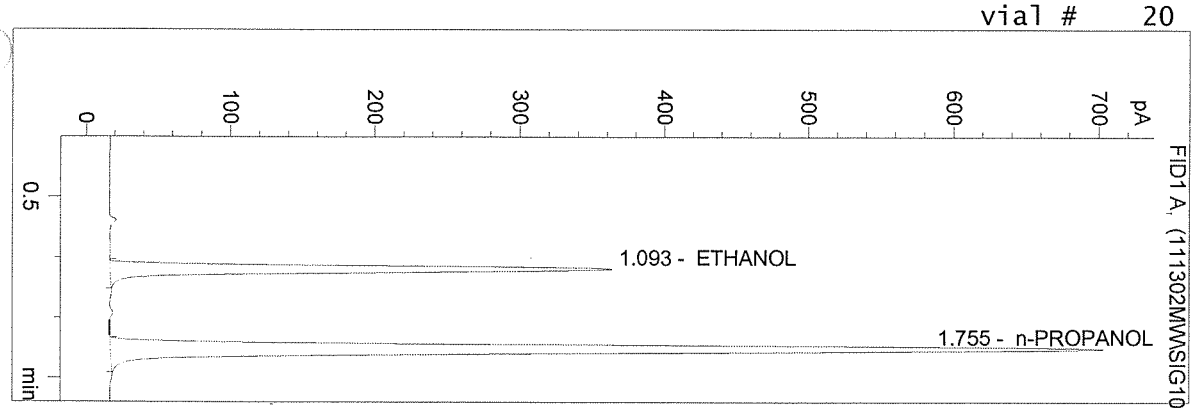
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:51:48 PM
Instrument 3
DB-ALC1

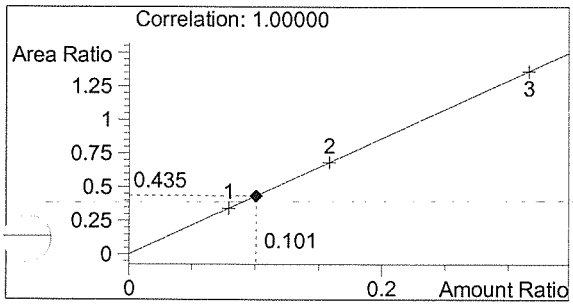
0.10 CTL
Mary Wilson

vial # 20

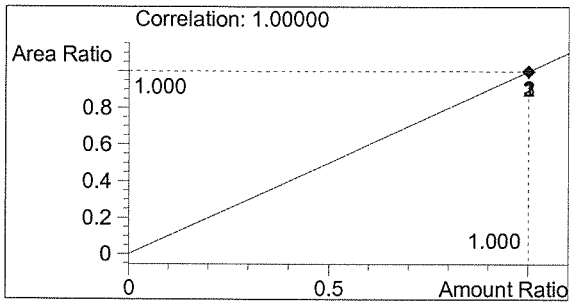


#	Compound	Area	RT
1	ETHANOL	1351	1.093
2	n-PROPANOL	3104	1.755

Totals:



ETHANOL 0.101 g/100mL



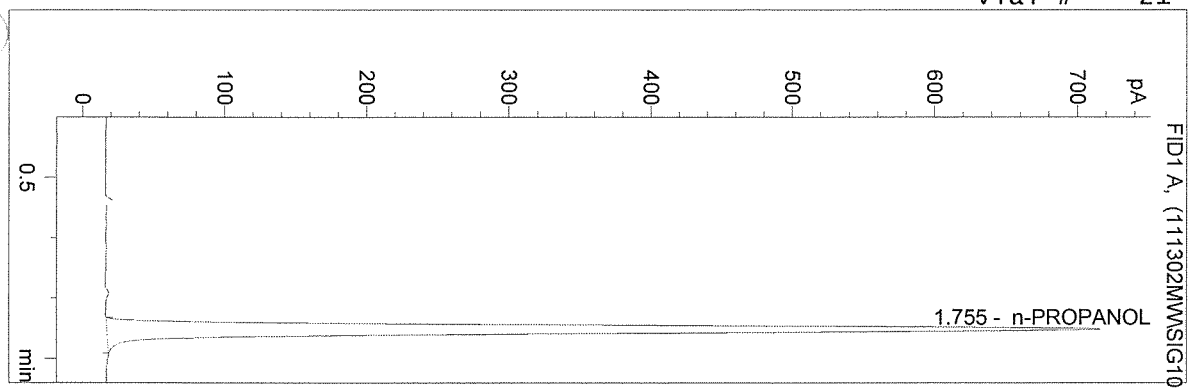
n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO3.M
11/13/02 3:55:11 PM
Instrument 3
DB-ALC1

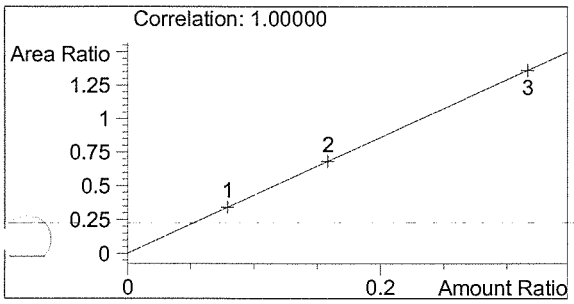
BLANK
Mary Wilson

vial # 21

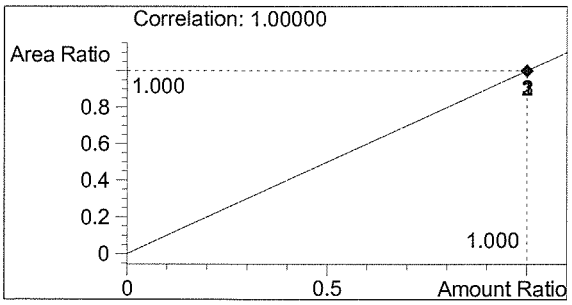


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	3153	1.755

Totals:



ETHANOL 0.000 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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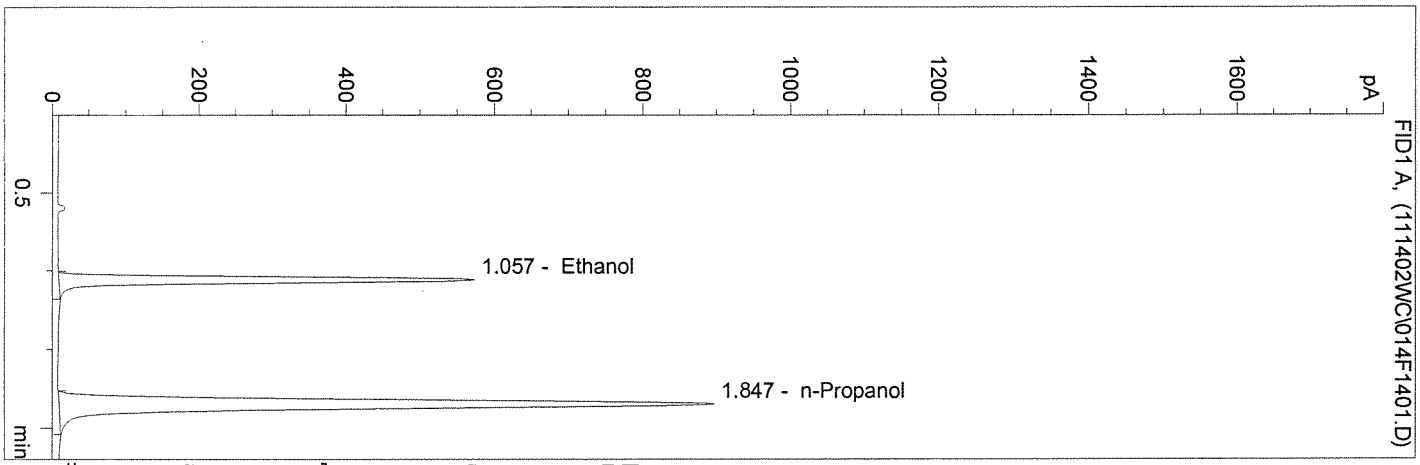
11/14/02 12:53:50 PM
Instrument 2
-ALC1

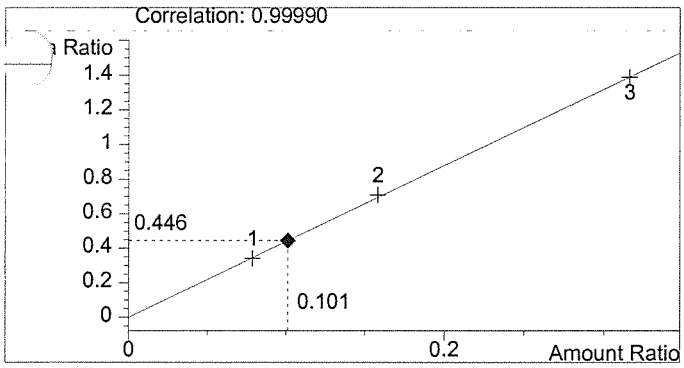
SIM 02038
WP MARSHALL

vial # 14

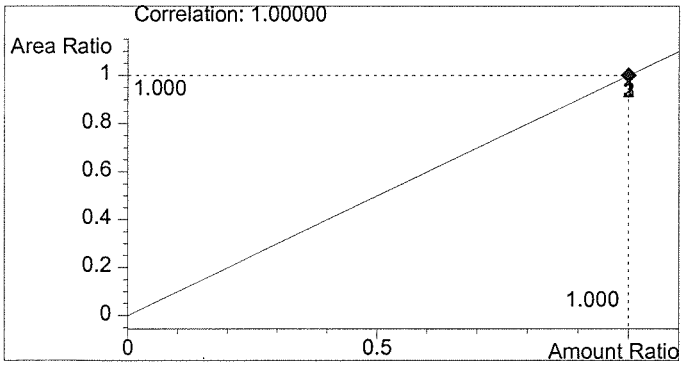


#	Compound	Area	RT
1	Ethanol	1537	1.057
2	n-Propanol	3449	1.847

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

STDS
026193

WASHINGTON STATE TOXICOLOGY LABORATORY

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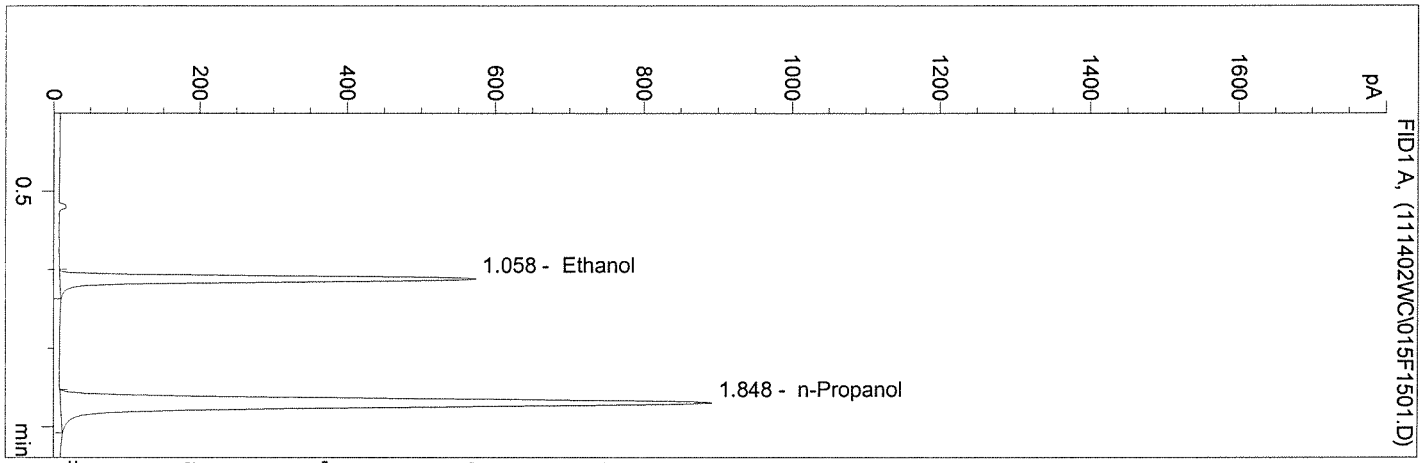
11/14/02 12:56:32 PM
Instrument 2
-ALC1

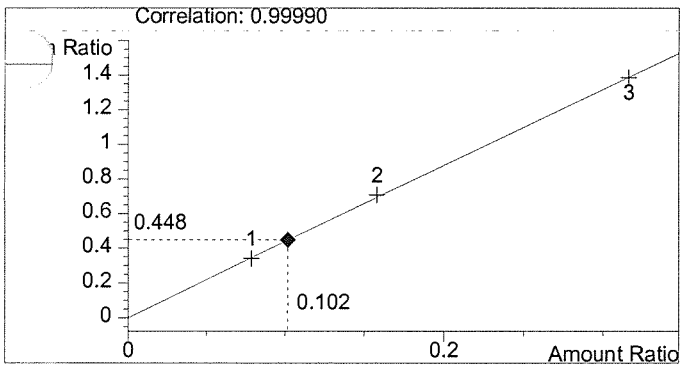
SIM 02038
WP MARSHALL

vial # 15

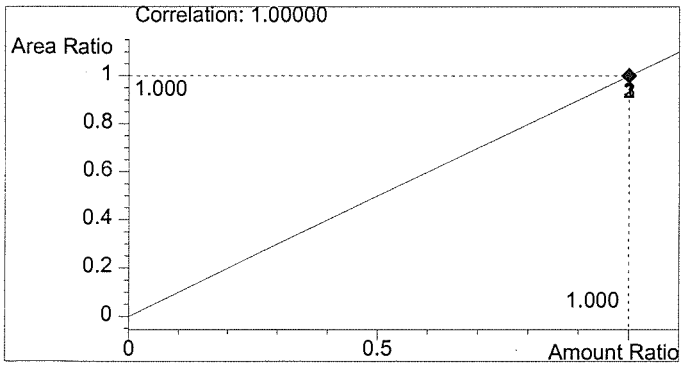


#	Compound	Area	RT
1	Ethanol	1539	1.058
2	n-Propanol	3433	1.848

Totals:



Ethanol 0.102 g/100ml



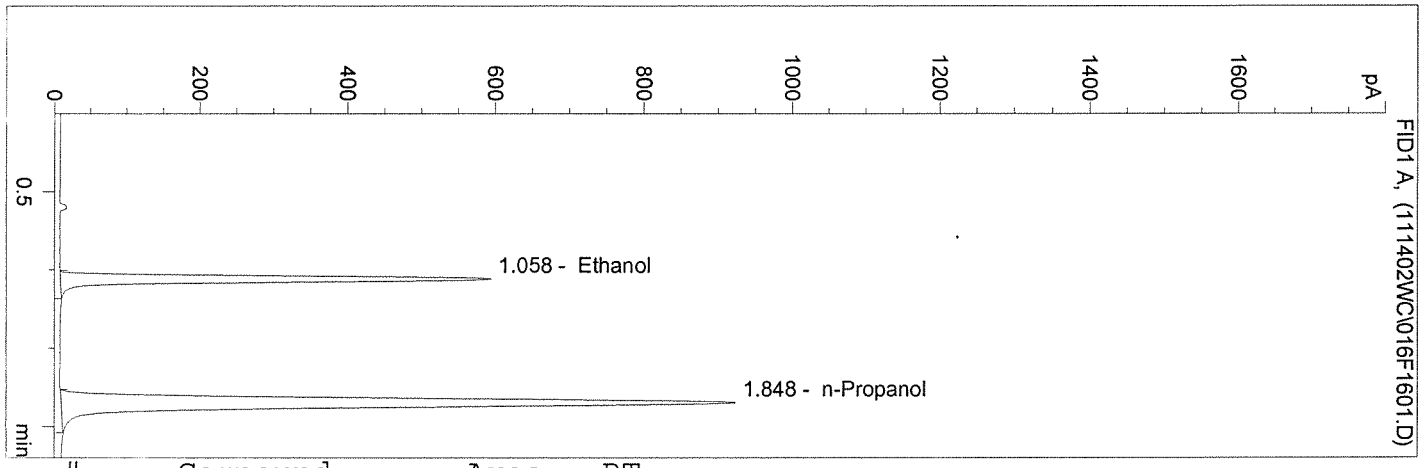
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/14/02 12:59:15 PM
Instrument 2
-ALC1

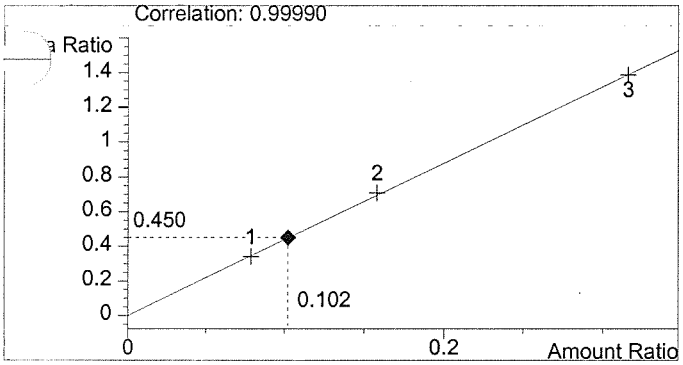
SIM 02038
WP MARSHALL

vial # 16

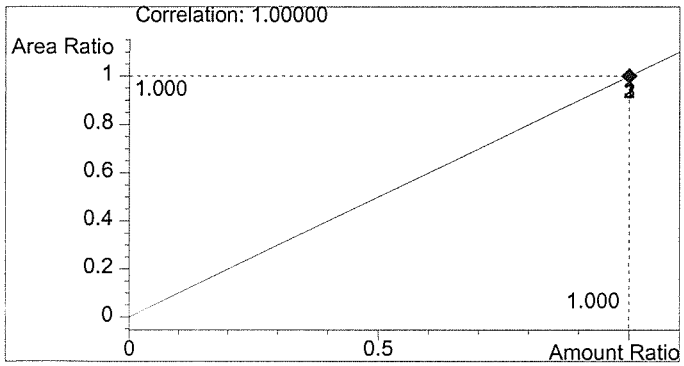


#	Compound	Area	RT
1	Ethanol	1597	1.058
2	n-Propanol	3547	1.848

Totals:



Ethanol 0.102 g/100ml



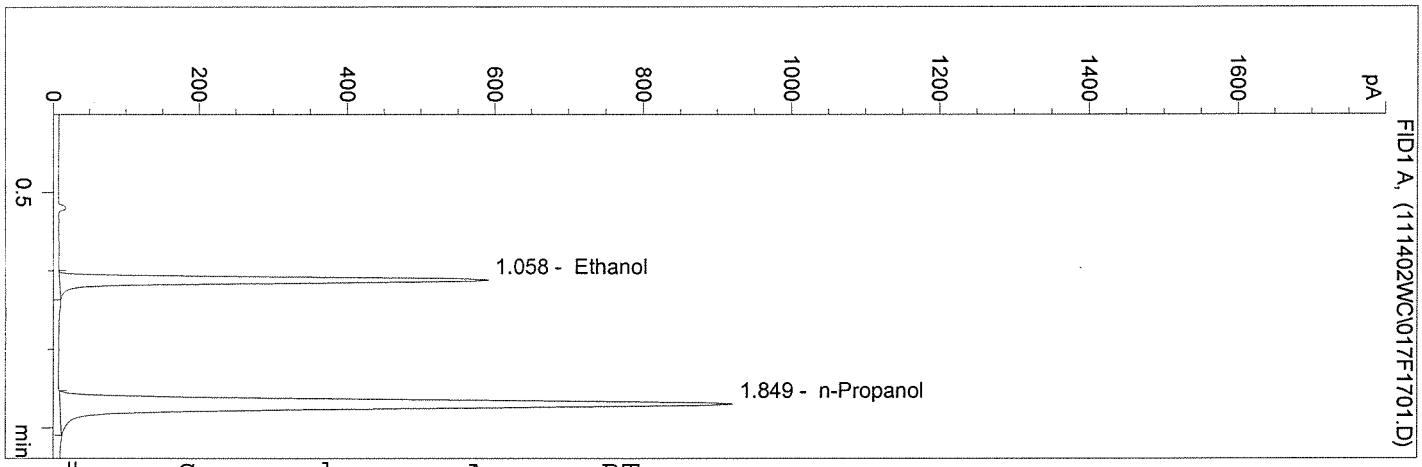
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
11/14/02 1:02:42 PM
Instrument 2
-ALC1

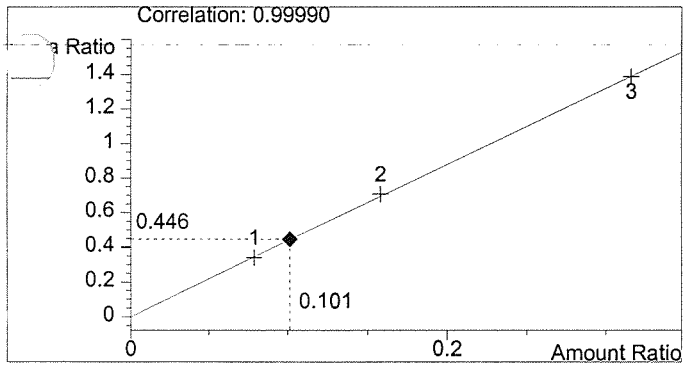
SIM 02038
WP MARSHALL

vial # 17

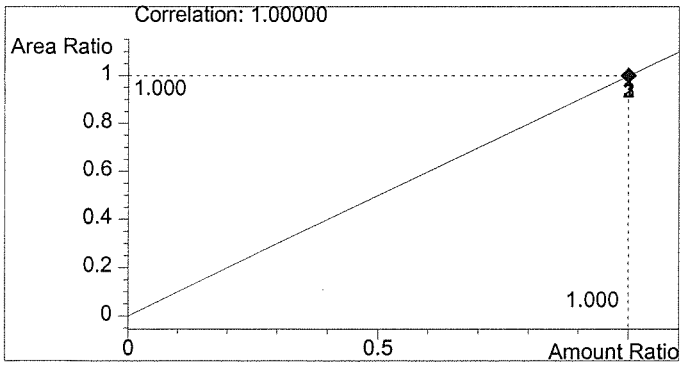


#	Compound	Area	RT
1	Ethanol	1585	1.058
2	n-Propanol	3551	1.849

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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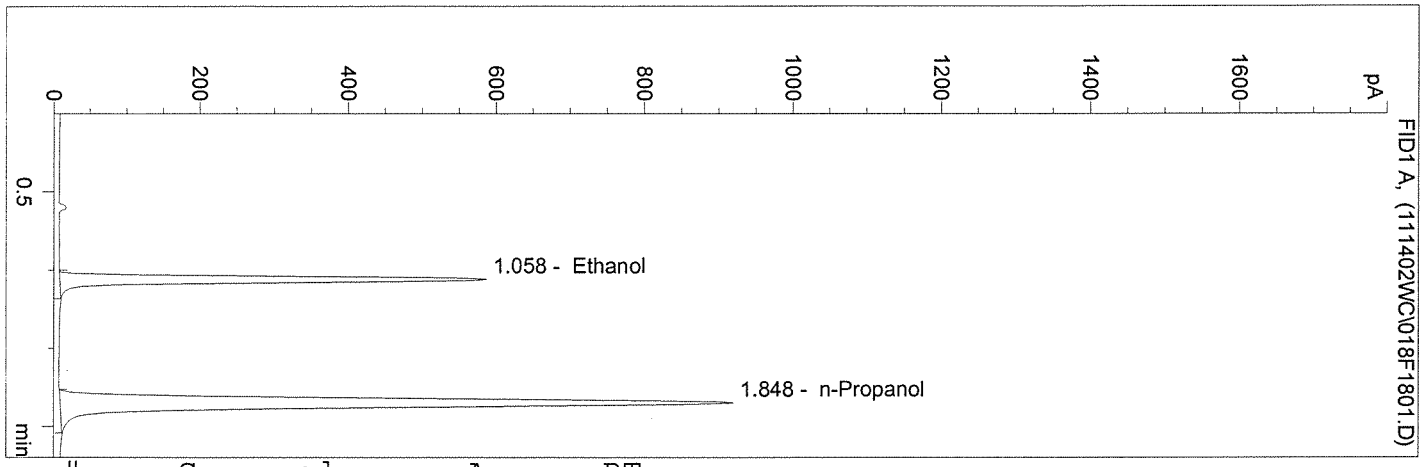
11/14/02 1:05:29 PM
Instrument 2
-ALC1

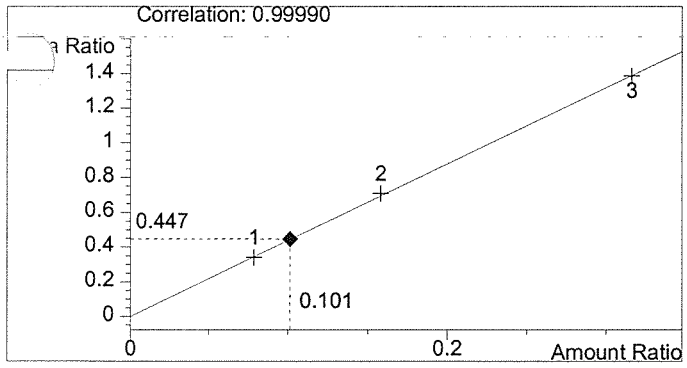
SIM 02038
WP MARSHALL

vial # 18

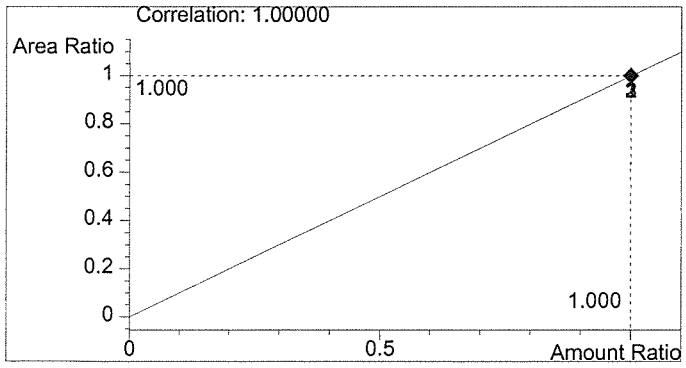


#	Compound	Area	RT
1	Ethanol	1584	1.058
2	n-Propanol	3544	1.848

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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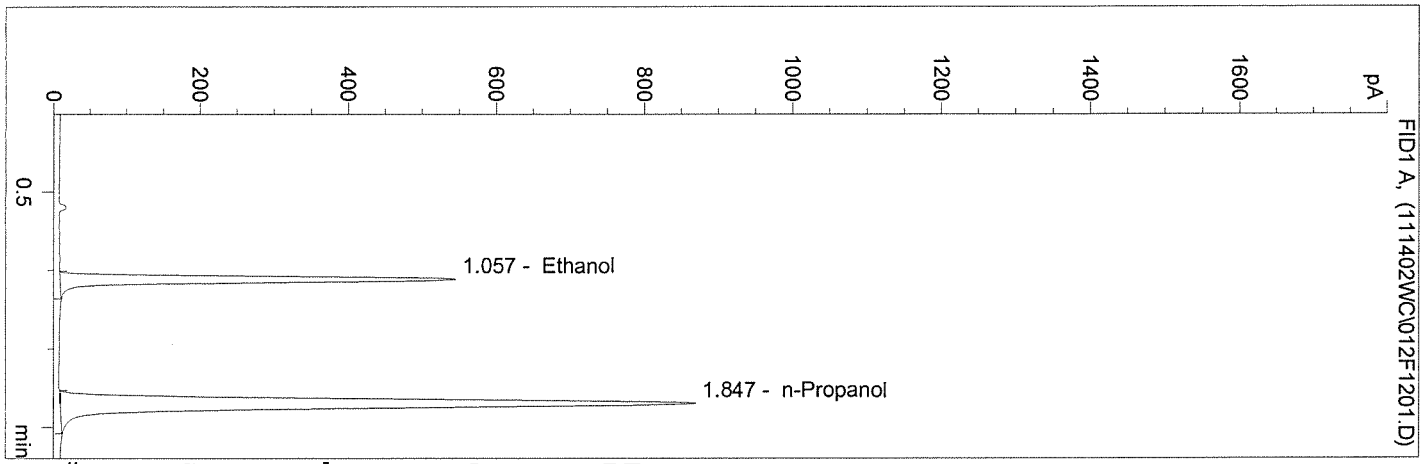
11/14/02 12:47:40 PM
Instrument 2
-ALC1

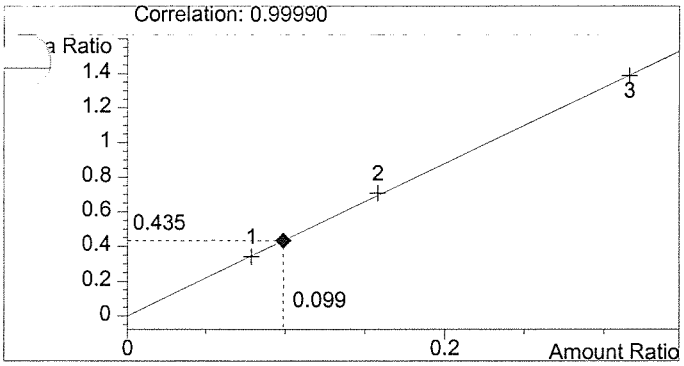
CONTROL 0.10 WM
WP MARSHALL

vial # 12

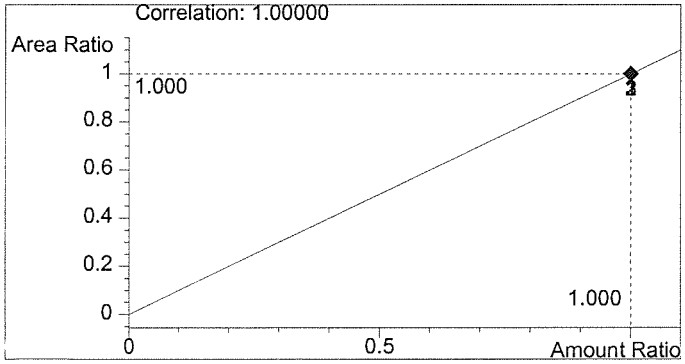


#	Compound	Area	RT
1	Ethanol	1460	1.057
2	n-Propanol	3358	1.847

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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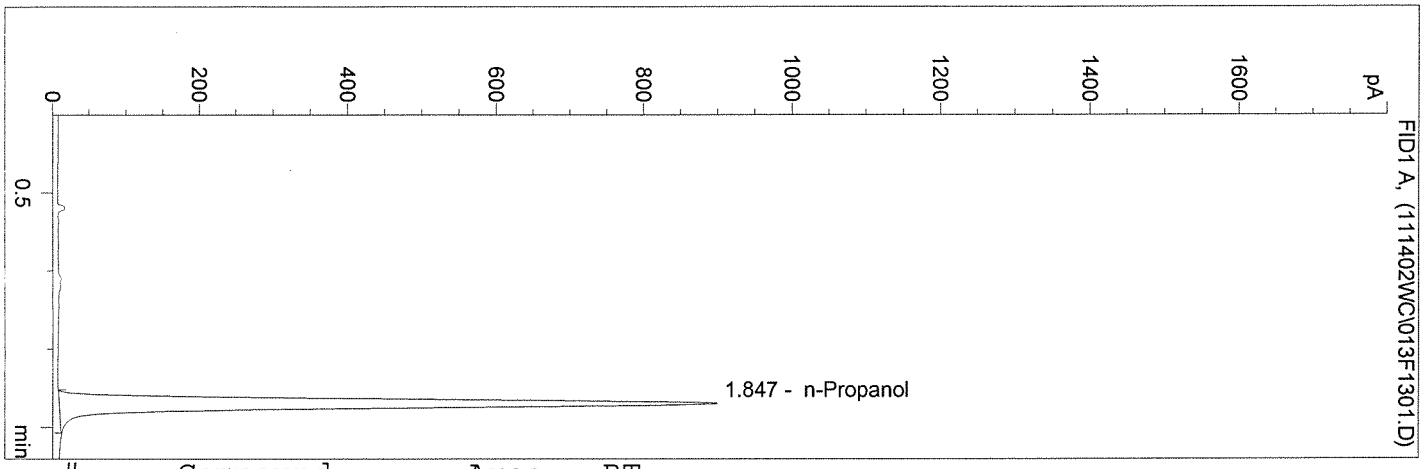
Instrument 2
-ALC1

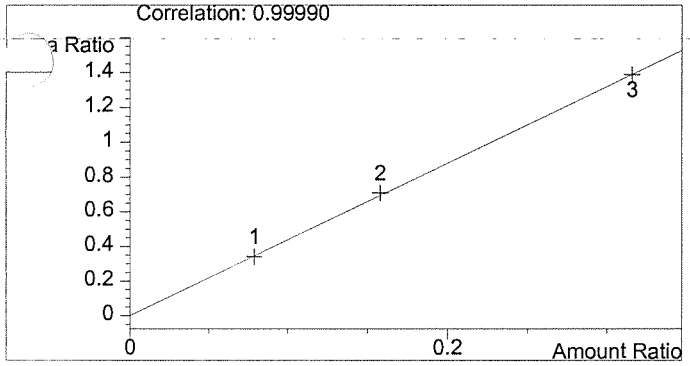
BLANK
WP MARSHALL

vial # 13

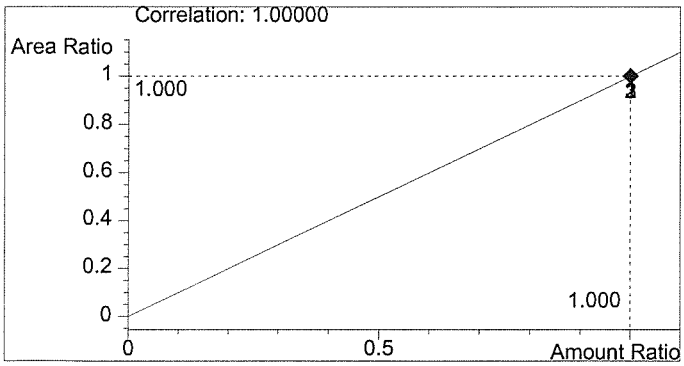


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3457	1.847

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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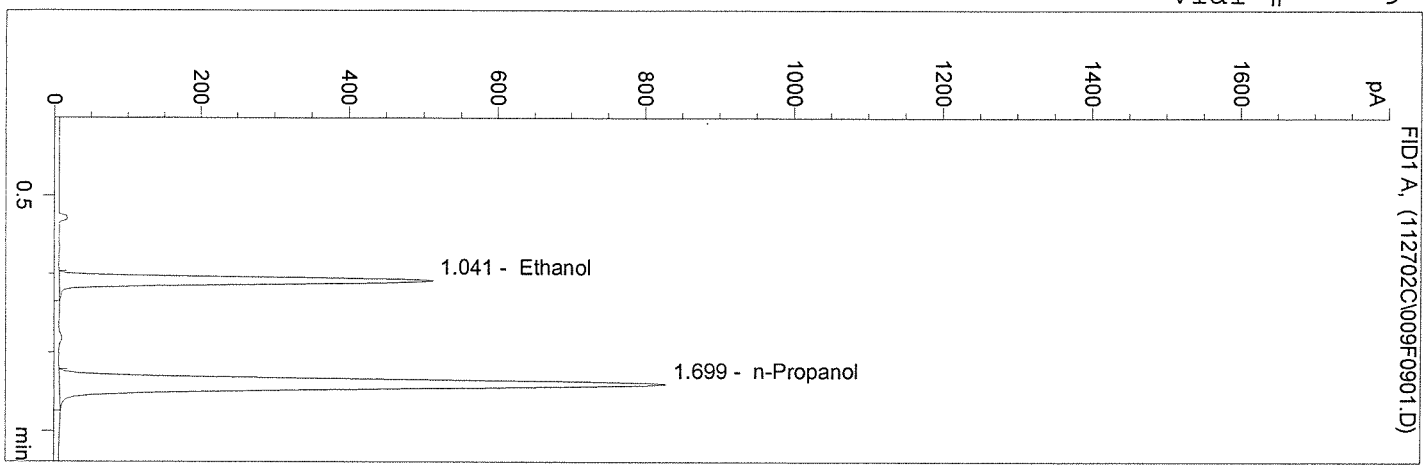
Instrument 1
DB-ALC1

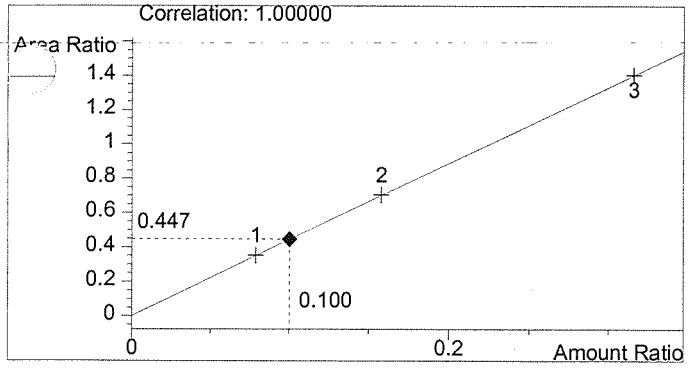
02038
ED FORMOSO

vial # 9

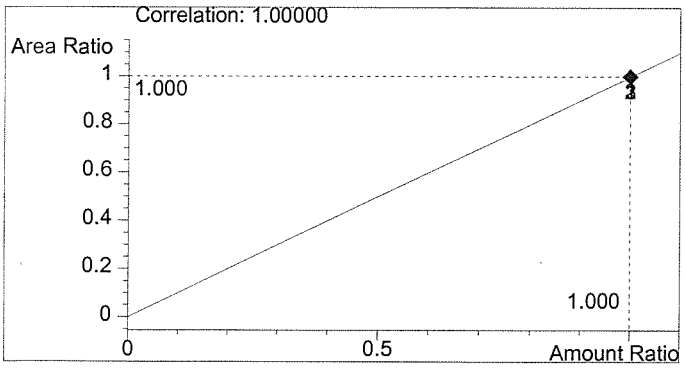


#	Compound	Area	RT
1	Ethanol	1560	1.041
2	n-Propanol	3487	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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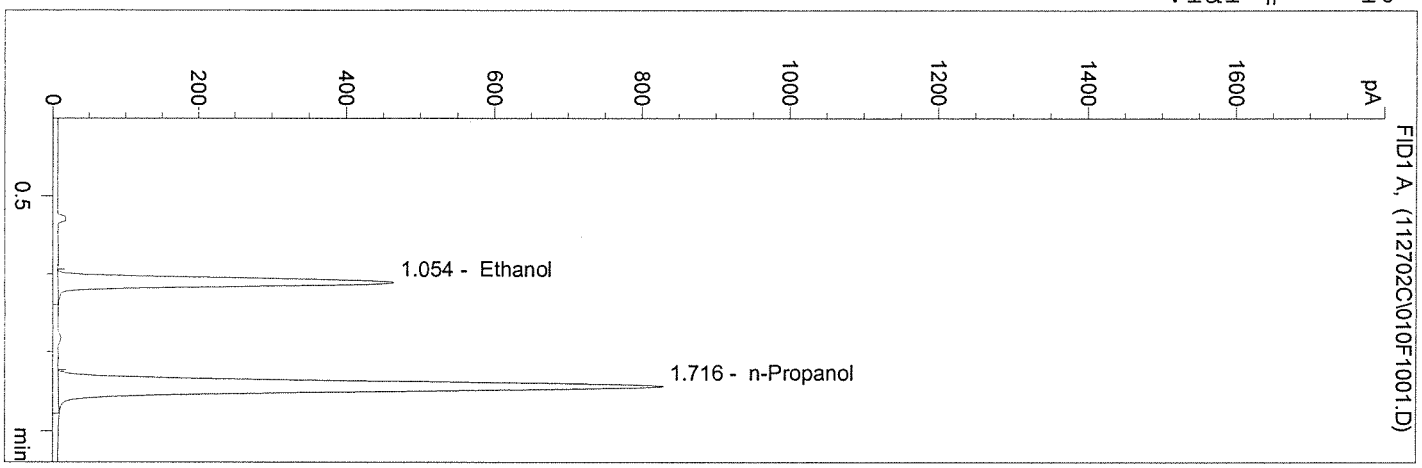
Instrument 1
DB-ALC1

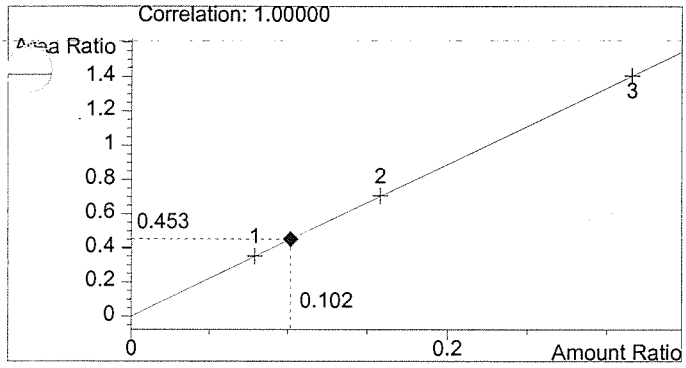
02038
ED FORMOSO

vial # 10

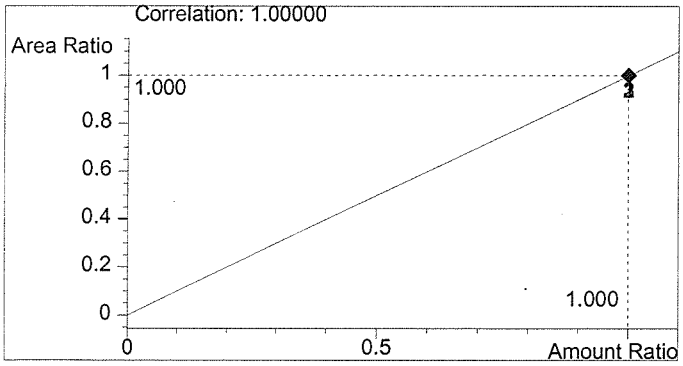


#	Compound	Area	RT
1	Ethanol	1669	1.054
2	n-Propanol	3683	1.716

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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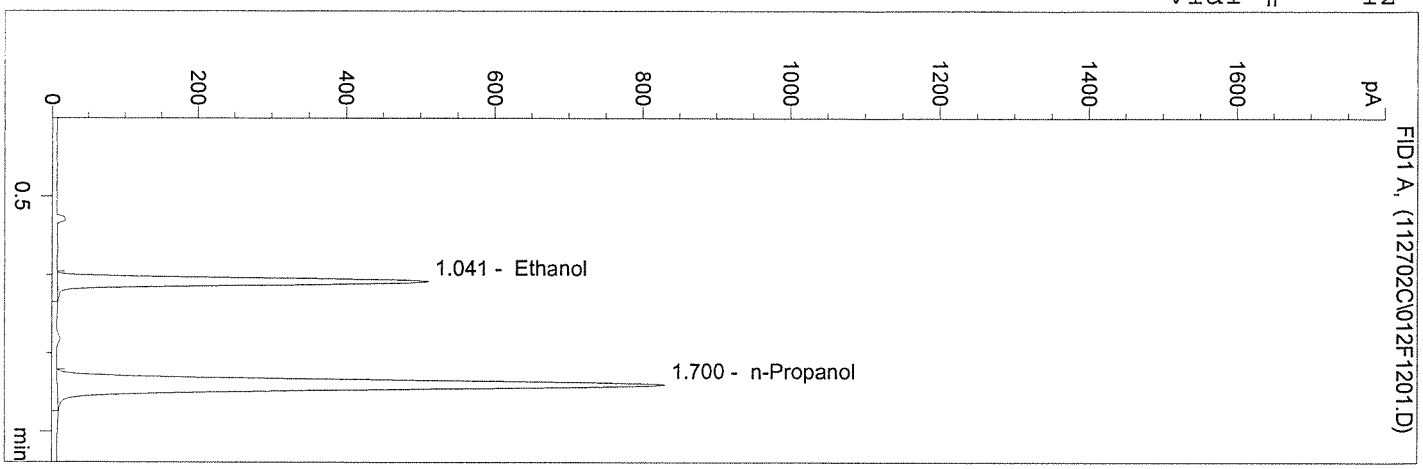
Instrument 1
DB-ALC1

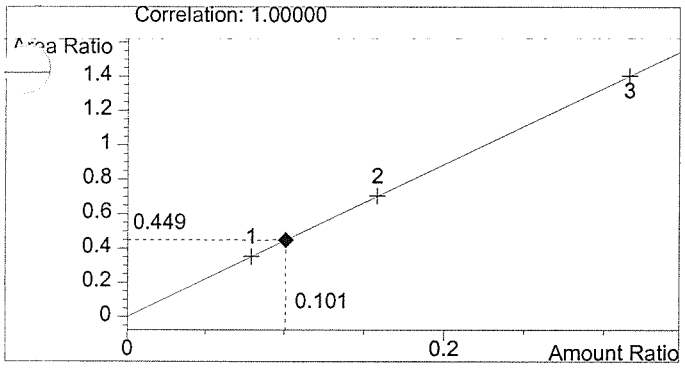
02038
ED FORMOSO

vial # 12

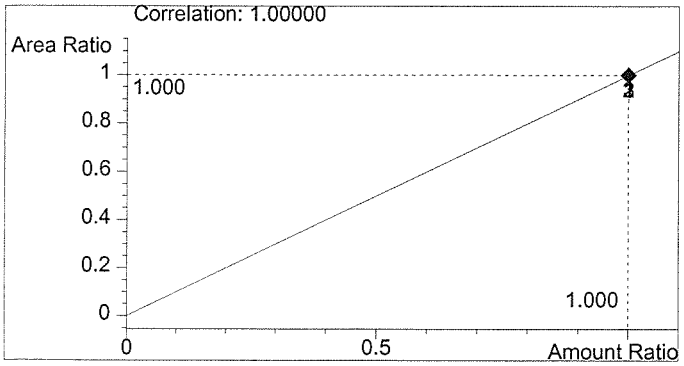


#	Compound	Area	RT
1	Ethanol	1572	1.041
2	n-Propanol	3498	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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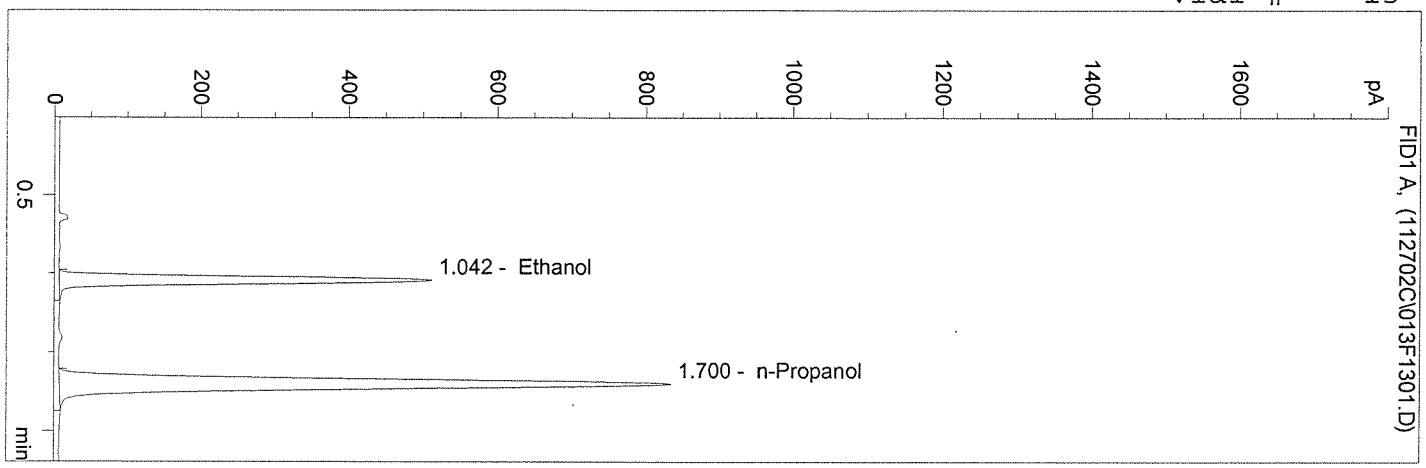
Instrument 1
DB-ALC1

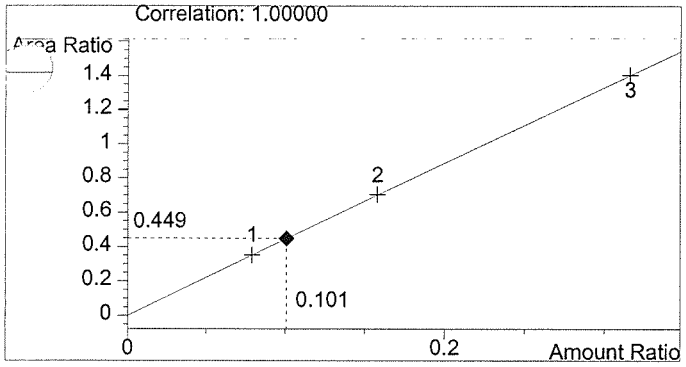
02038
ED FORMOSO

vial # 13

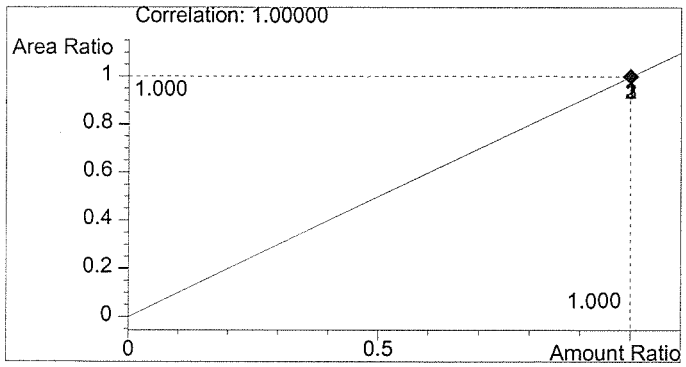


#	Compound	Area	RT
1	Ethanol	1585	1.042
2	n-Propanol	3530	1.700

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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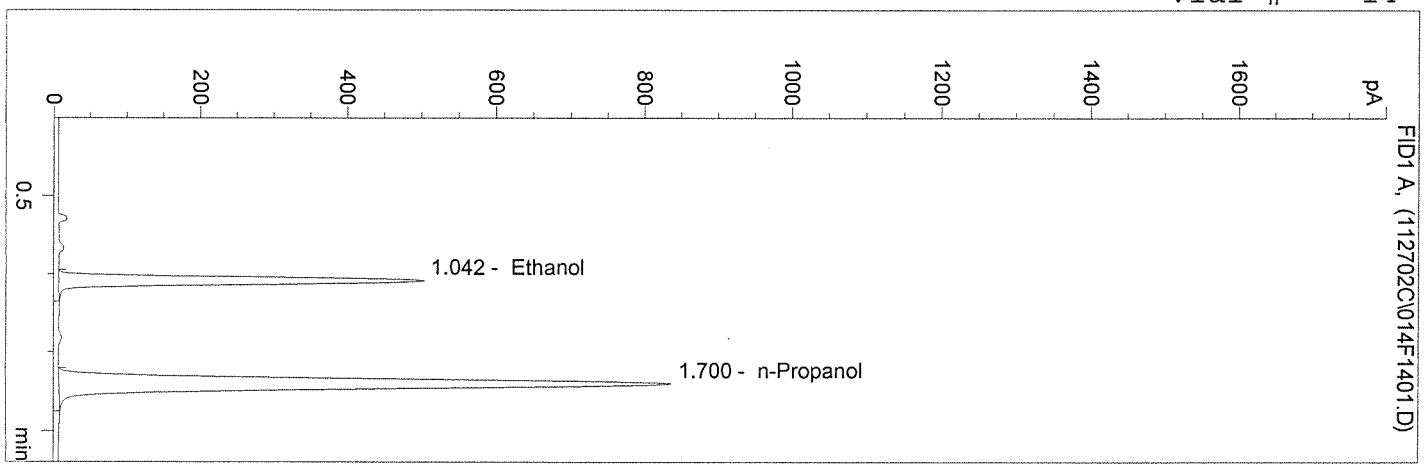
Instrument 1
DB-ALC1

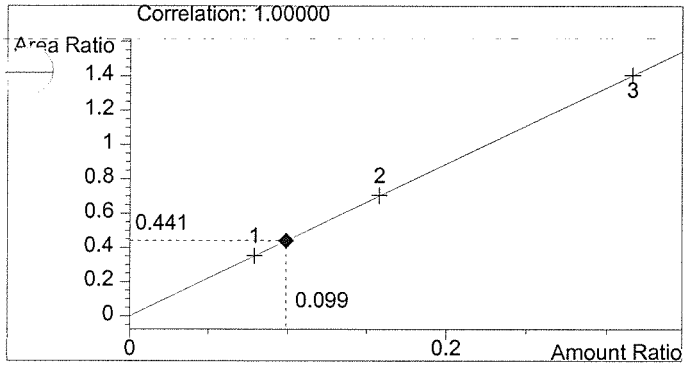
0.10 CONTROL
ED FORMOSO

vial # 14

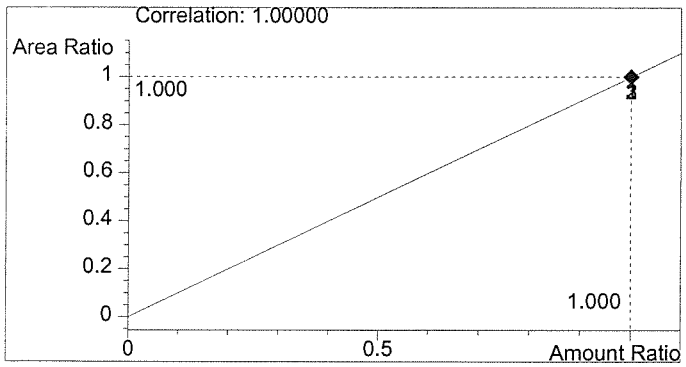


#	Compound	Area	RT
1	Ethanol	1565	1.042
2	n-Propanol	3546	1.700

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml