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 **02029** Date: 8/7/2002

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	0.100	0.101	0.101	0.100	0.100	0.101	0.099	0.100				
2	0.102	0.101	0.101	0.101	0.100	0.100	0.101	0.100				
3	0.103	0.102	0.101	0.101	0.099	0.101	0.102	0.102				
4	0.101	0.102	0.101	0.101	0.101	0.102	0.101	0.101				
5	0.101	0.102	0.101	0.101	0.101	0.101	0.101	0.102				
Ctrl	0.100	0.100	0.099	0.098	0.099	0.099	0.099	0.099				

External Control:

Lot #: a021986 Exp date: 01/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1010 g/100 mL

SD: 0.00084

Range (3xSD): 0.0984 to 0.1035

Precision CV (%): 0.8344 %

Equivalent vapor concent.: 0.0821 g/210L

Analyst	Name	Signature	Date
1	William P Marshall		08/09/02
2	Ruth Luthi		08/07/02
3	Eugene Schwilke		08/08/02
4	Edward Formoso		08/13/02
5	Jayne E. Thatcher		08/13/02
6	Estuardo J. Miranda		08/15/02
7	Melissa Pemberton		08/20/02
8	Ann Marie Gordon		08/21/02
9			
10			
11			
12			

Prepared by: William P Marshall according to the approved protocol

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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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

William P. Marshall
Forensic Toxicologist

WM/nf
WMSIMSOL

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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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

Ruth Luthi
Forensic Toxicologist

RL/nf
RLSIMSOL

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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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
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, 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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

Jayne E. Thatcher
Forensic Toxicologist

JET/nf
JTSIMSOL

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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 02029 was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/nf
EMSIMSOL

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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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

Melissa L. Pemberton
Forensic Toxicologist

MP/nf
MPSIMSOL

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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 02029, was prepared in the Washington State Toxicology Laboratory on 8/7/02. 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 8/7/03.

Dated: 8/21/02
Seattle, WA

Ann Marie Gordon
Laboratory Manager

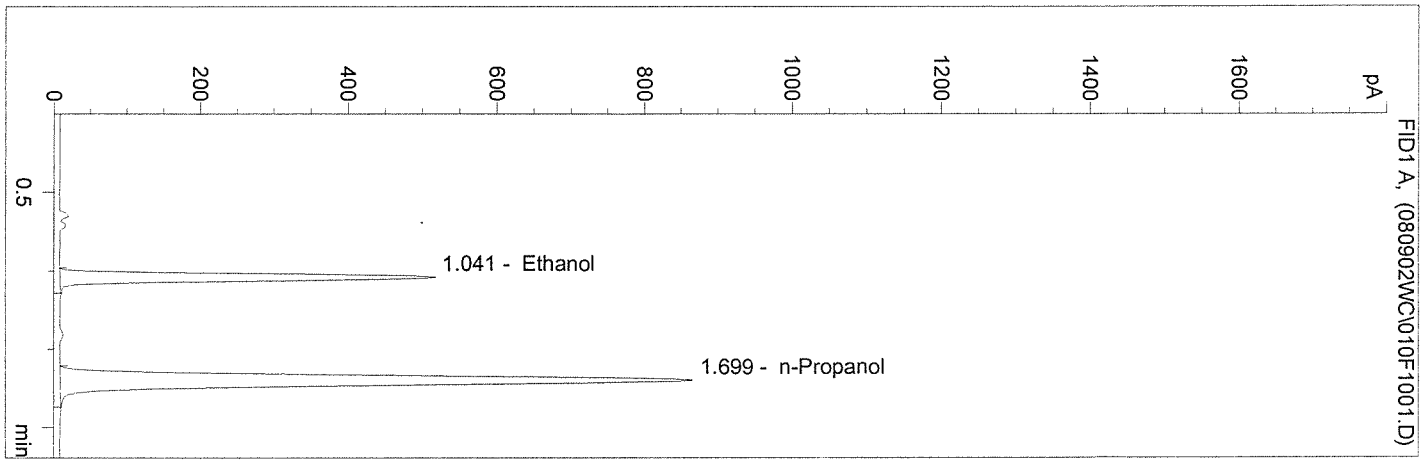
AMG/nf
AGSIMSOL

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/9/02 10:15:28 AM
Instrument 1
DB-ALC1

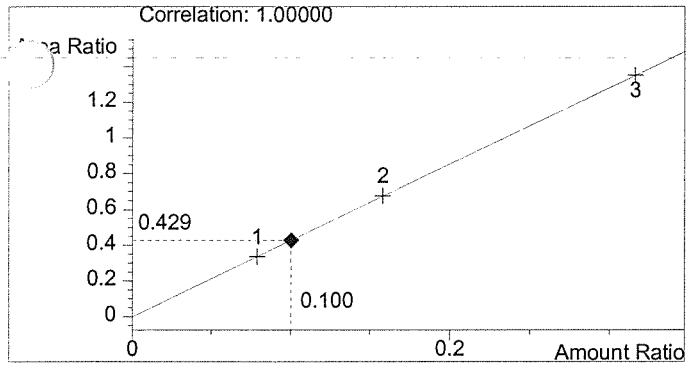
SIM 02029
WP MARSHALL

vial # 10

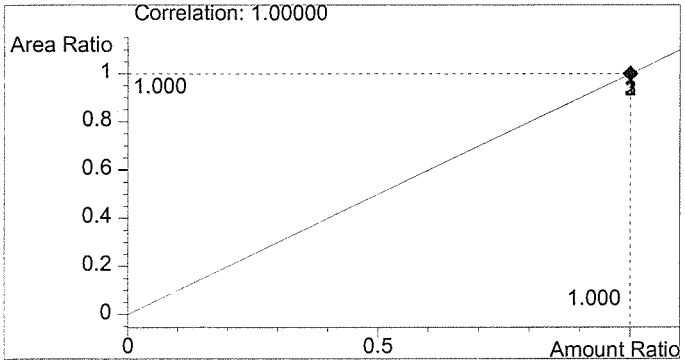


#	Compound	Area	RT
1	Ethanol	1553	1.041
2	n-Propanol	3620	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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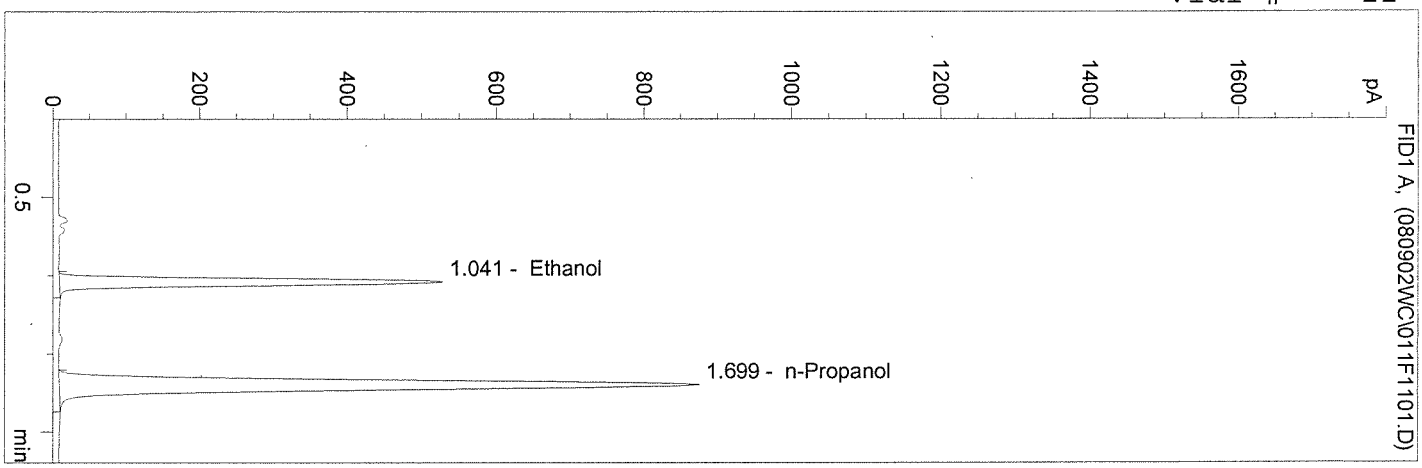
Instrument 1
DB-ALC1

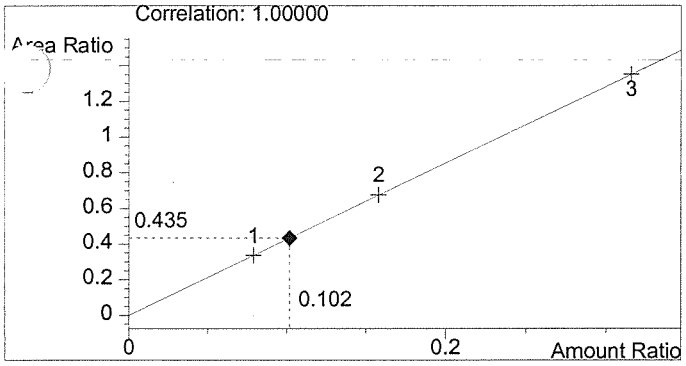
SIM 02029
WP MARSHALL

vial # 11

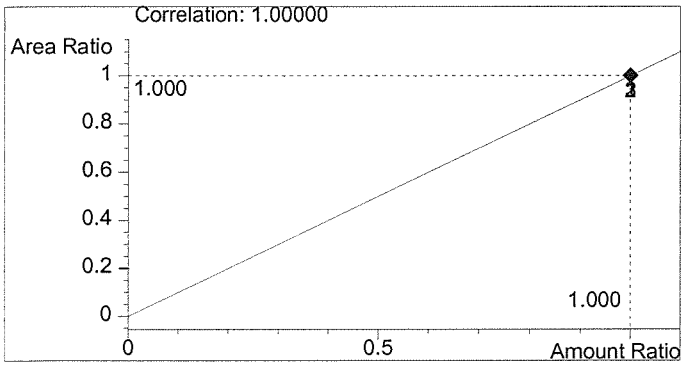


#	Compound	Area	RT
1	Ethanol	1590	1.041
2	n-Propanol	3658	1.699

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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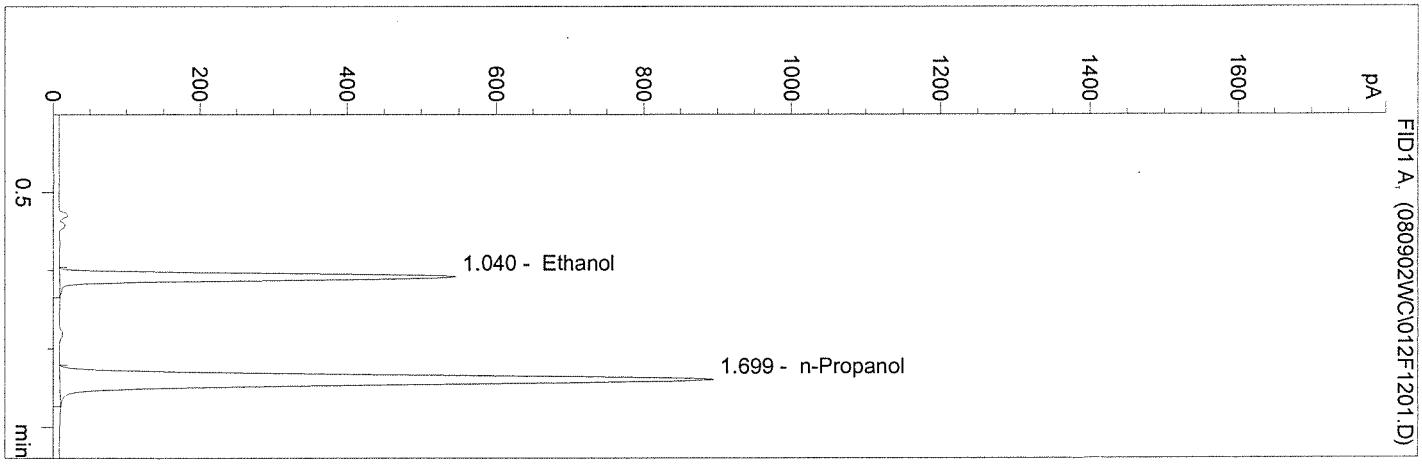
8/9/02 10:21:31 AM
Instrument 1
DB-ALC1

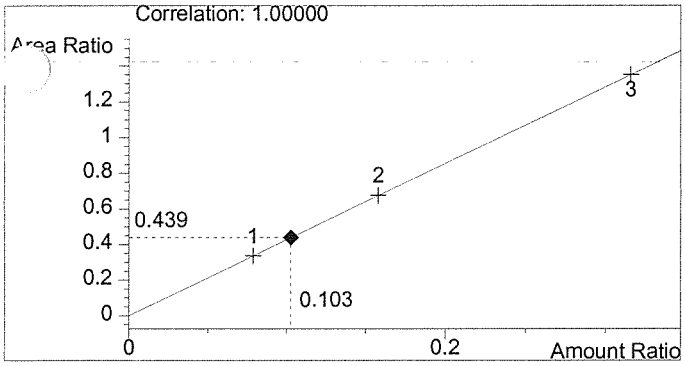
SIM 02029
WP MARSHALL

vial # 12

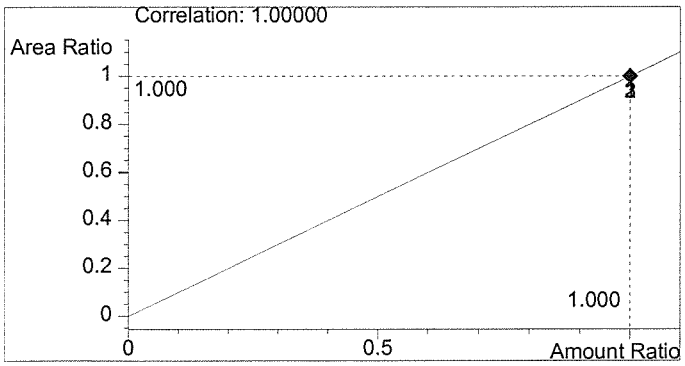


#	Compound	Area	RT
1	Ethanol	1635	1.040
2	n-Propanol	3724	1.699

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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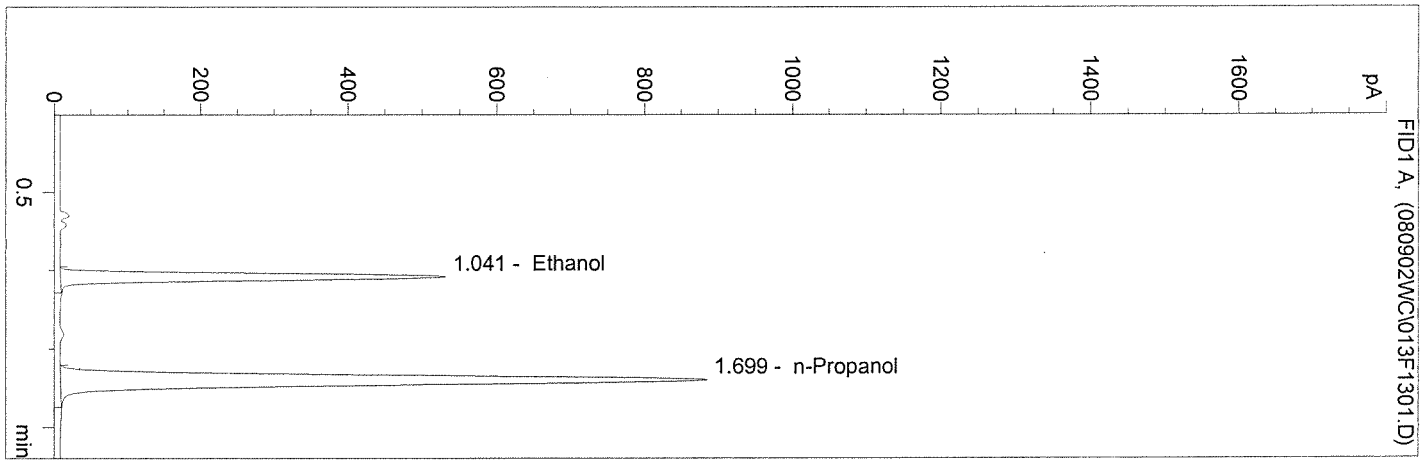
Instrument 1
DB-ALC1

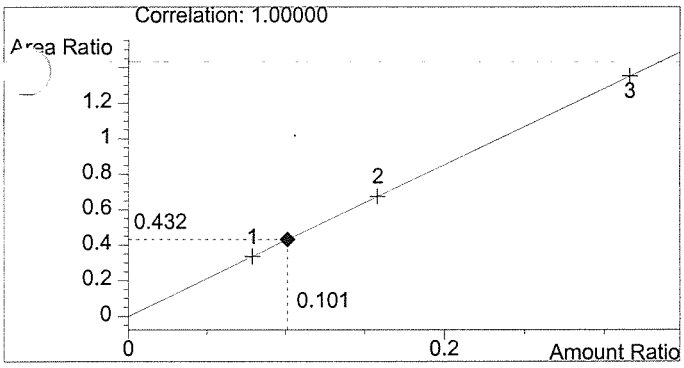
SIM 02029
WP MARSHALL

vial # 13

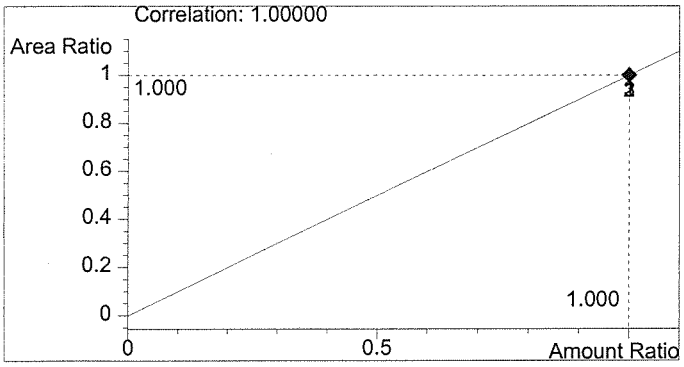


#	Compound	Area	RT
1	Ethanol	1597	1.041
2	n-Propanol	3695	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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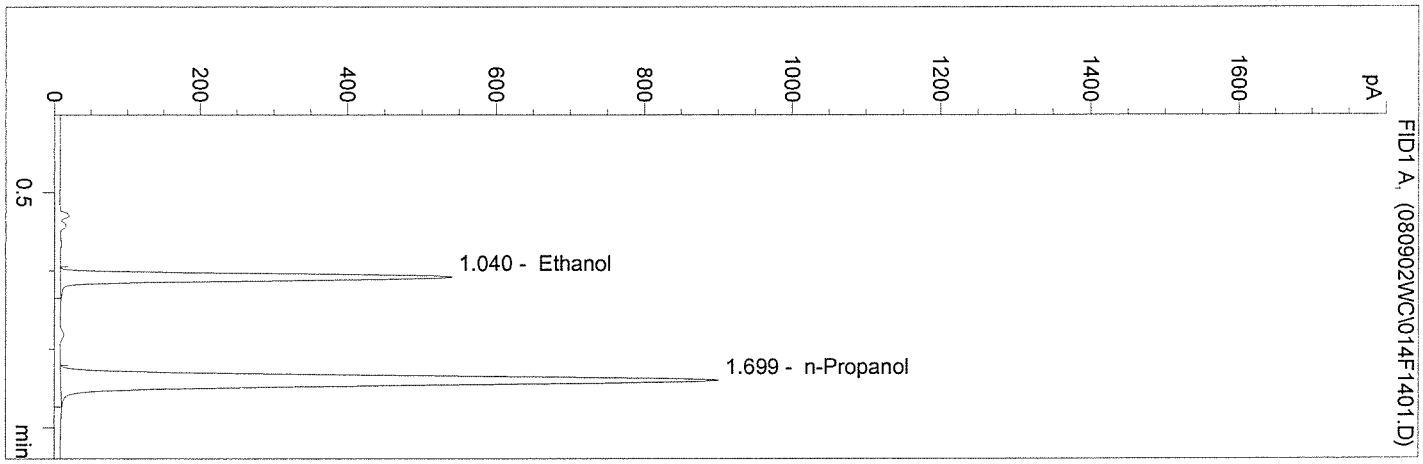
8/9/02 10:27:52 AM
Instrument 1
DB-ALC1

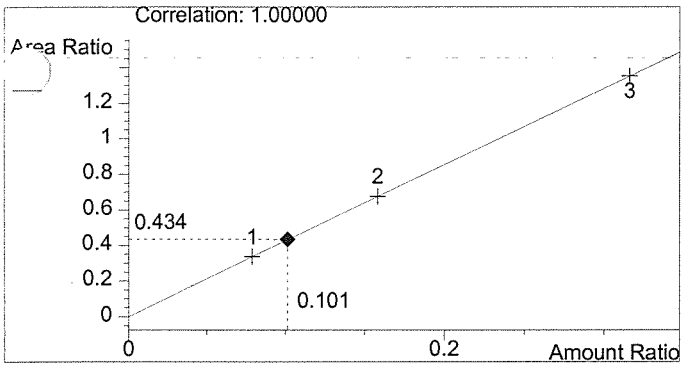
SIM 02029
WP MARSHALL

vial # 14

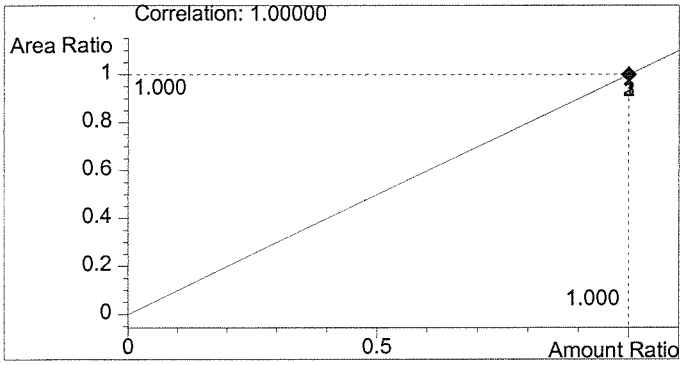


#	Compound	Area	RT
1	Ethanol	1625	1.040
2	n-Propanol	3748	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

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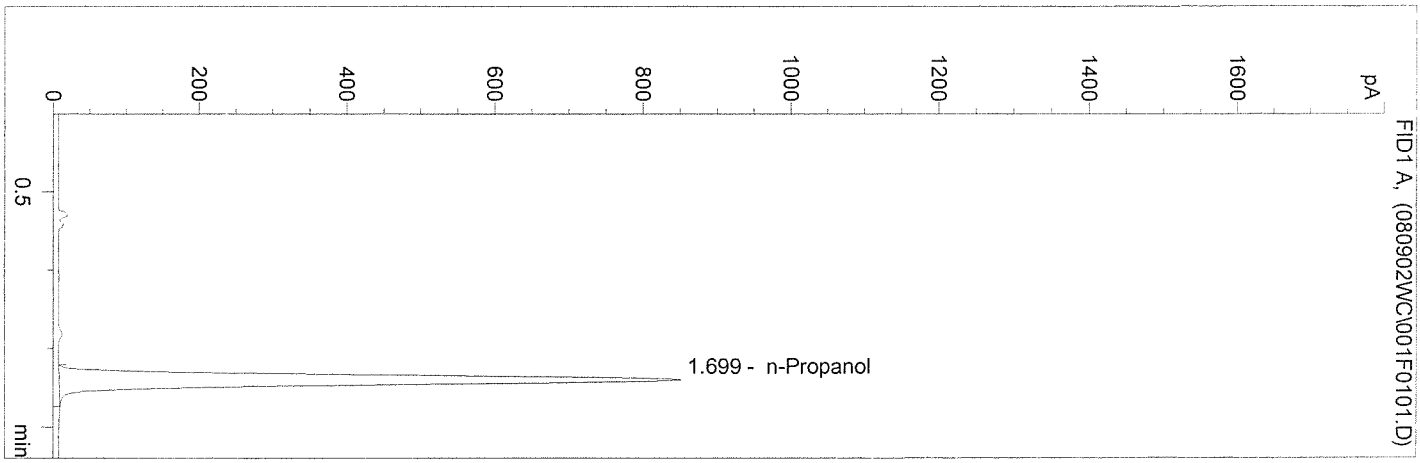
Instrument 1
DB-ALC1

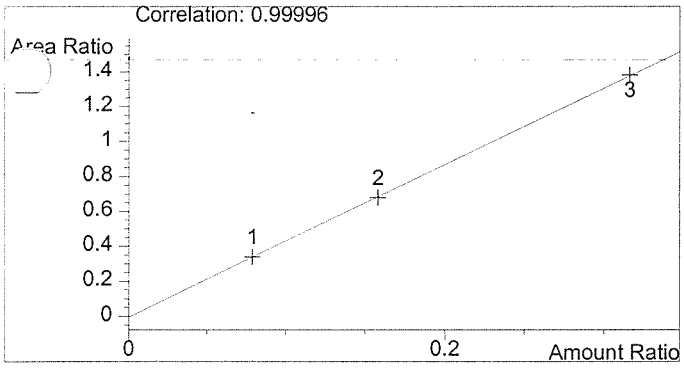
BLANK
WP MARSHALL

vial # 1

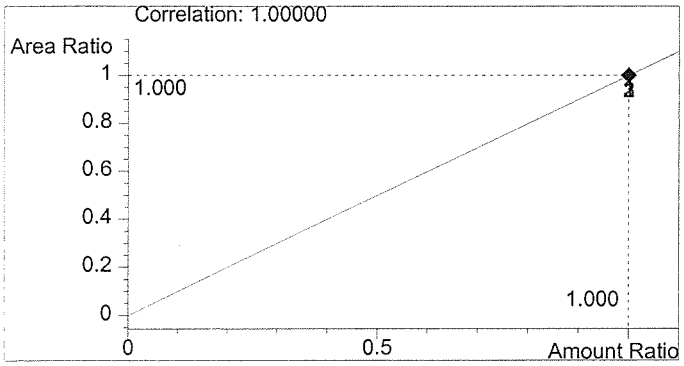


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3554	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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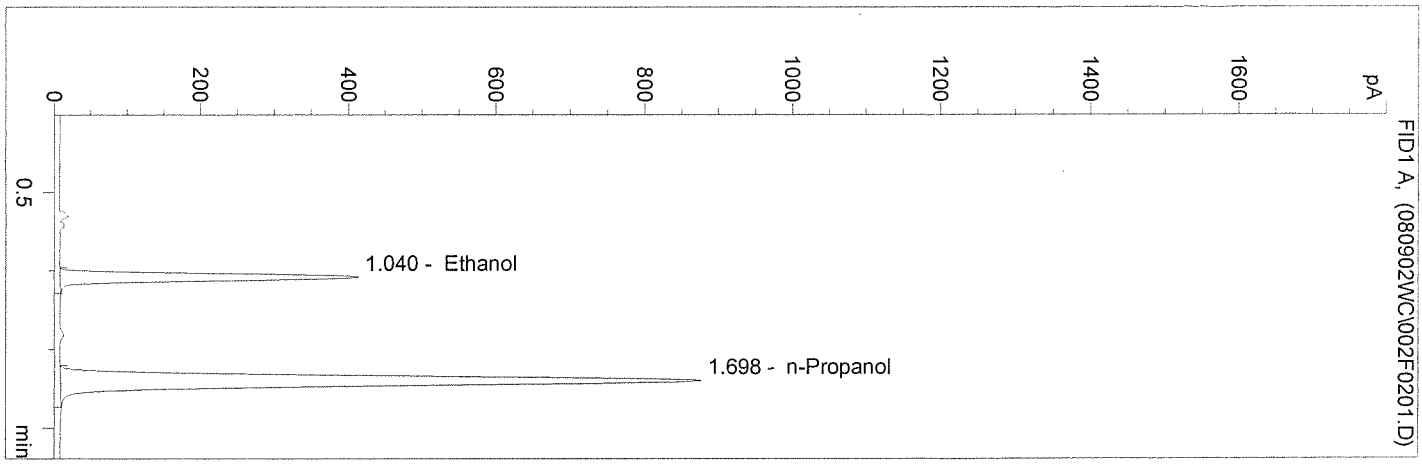
C:\HPCHEM\1\METHODS\BLDALCO.M
8/9/02 9:50:13 AM
Instrument 1
DB-ALC1

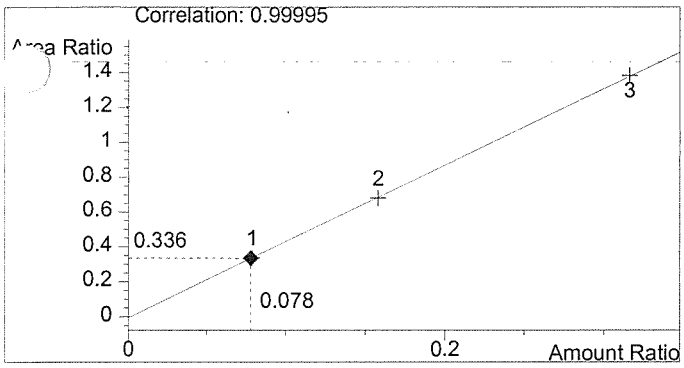
0.079 CALIBRATOR
WP MARSHALL

vial # 2

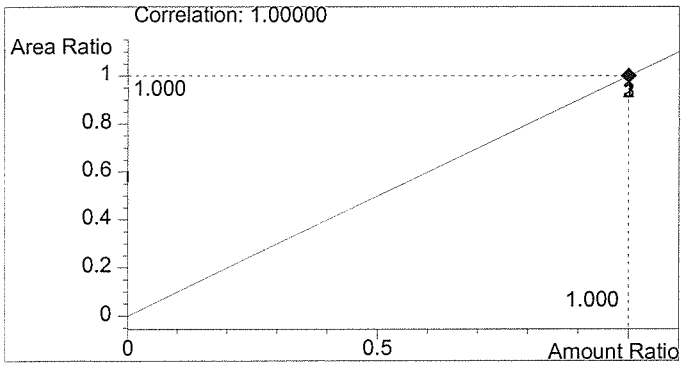


#	Compound	Area	RT
1	Ethanol	1229	1.040
2	n-Propanol	3656	1.698

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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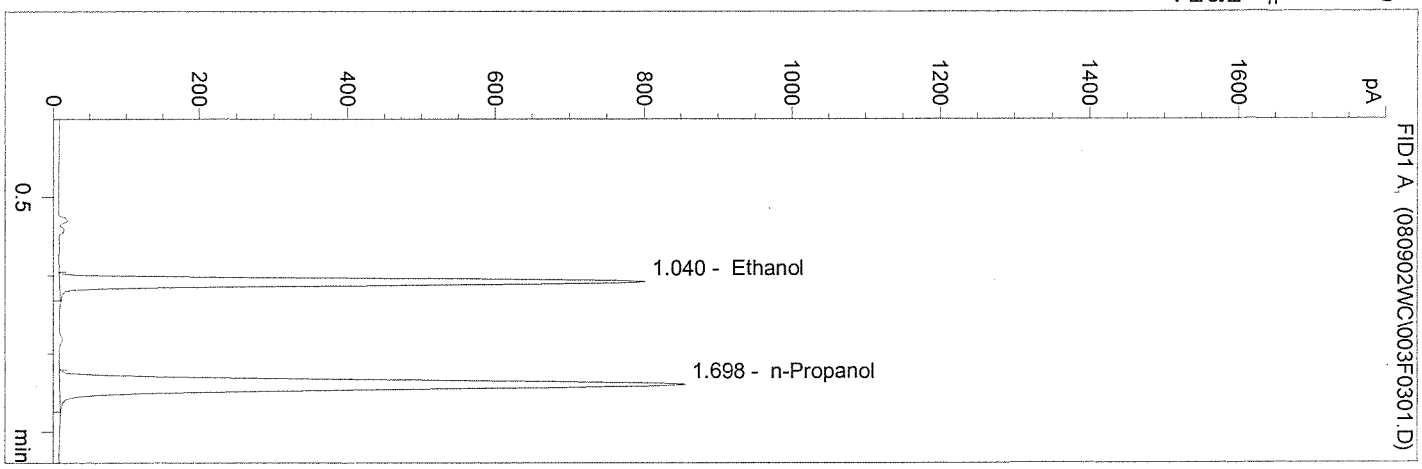
Instrument 1
DB-ALC1

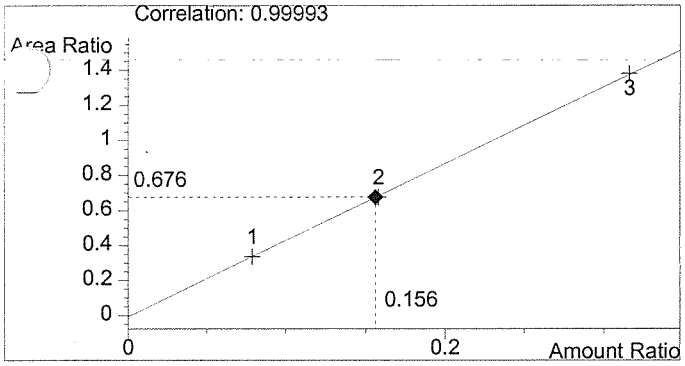
0.158 CALIBRATOR
WP MARSHALL

vial # 3

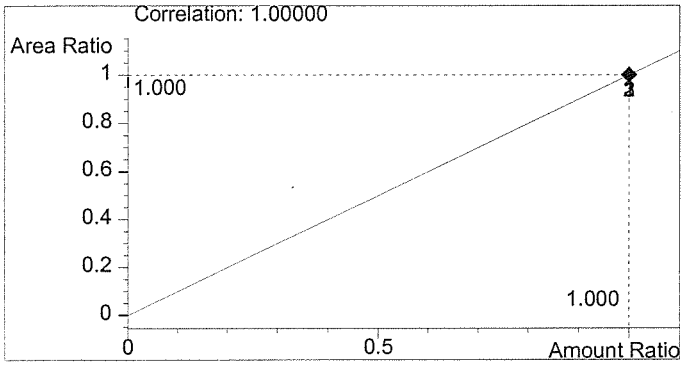


#	Compound	Area	RT
1	Ethanol	2405	1.040
2	n-Propanol	3557	1.698

Totals:



Ethanol 0.156 g/100ml



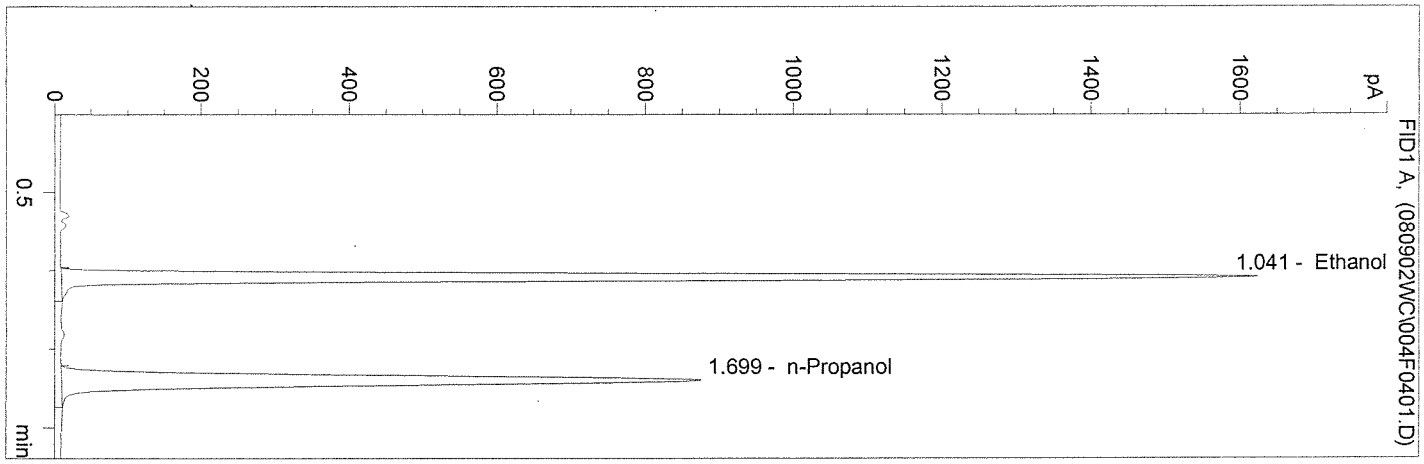
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/9/02 9:56:16 AM
Instrument 1
DB-ALC1

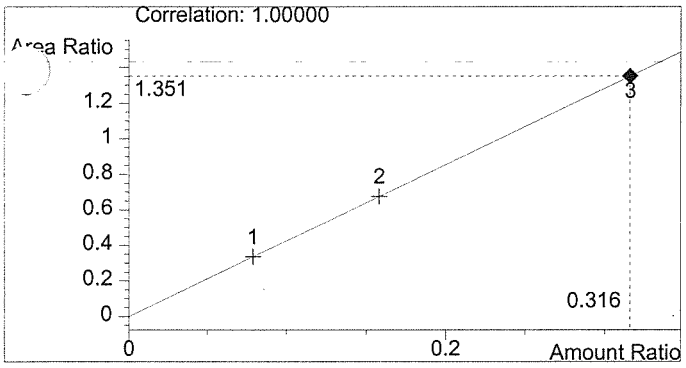
0.316 CALIBRATOR
WP MARSHALL

vial # 4

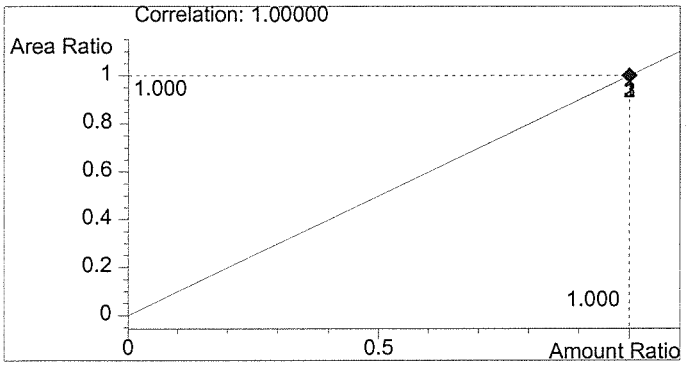


#	Compound	Area	RT
1	Ethanol	4941	1.041
2	n-Propanol	3657	1.699

Totals:



Ethanol 0.316 g/100ml



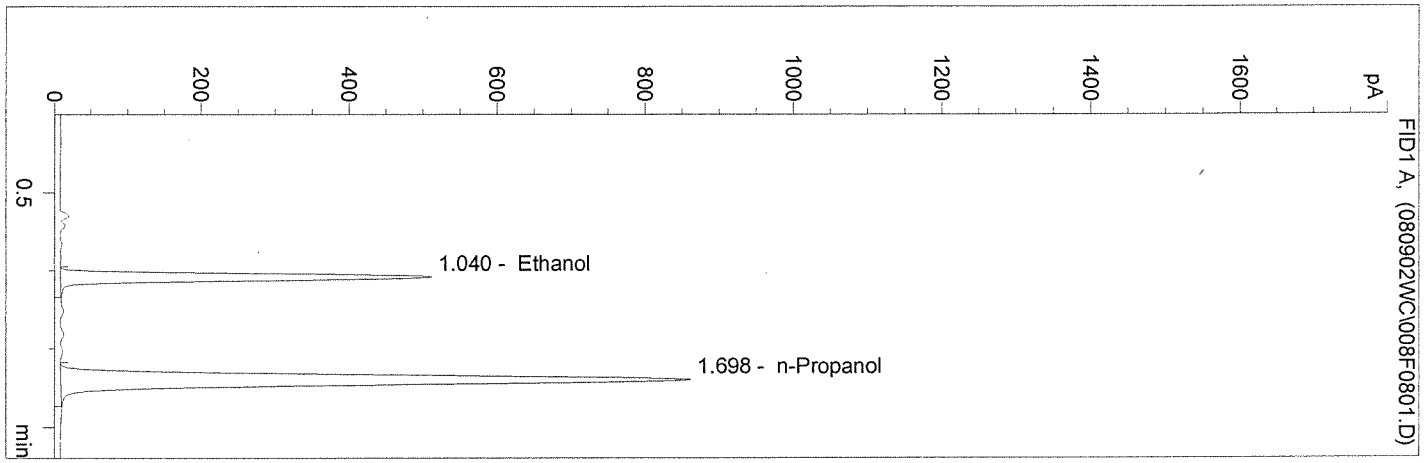
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/9/02 10:09:07 AM
Instrument 1
DB-ALC1

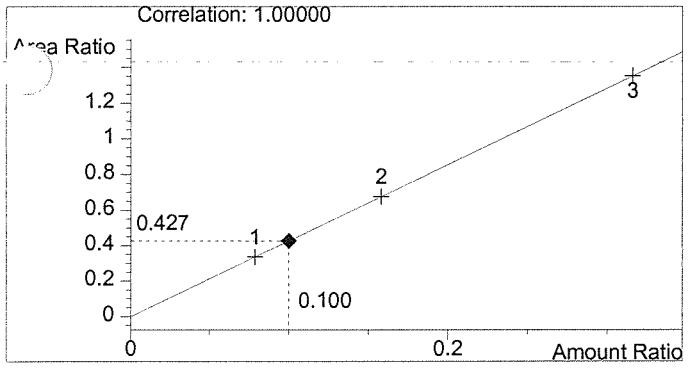
CONTROL 0.10 WM
WP MARSHALL

vial # 8

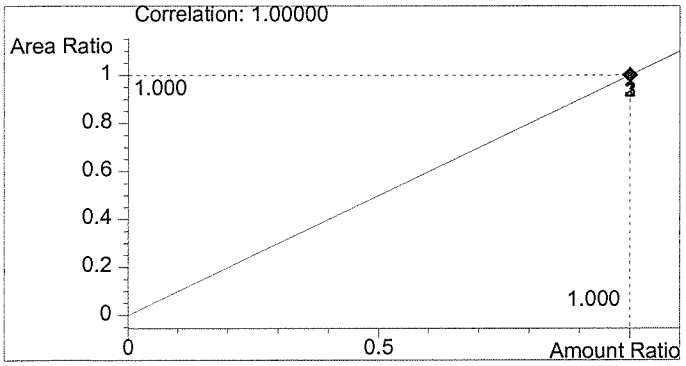


#	Compound	Area	RT
1	Ethanol	1536	1.040
2	n-Propanol	3595	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
DB-ALC1

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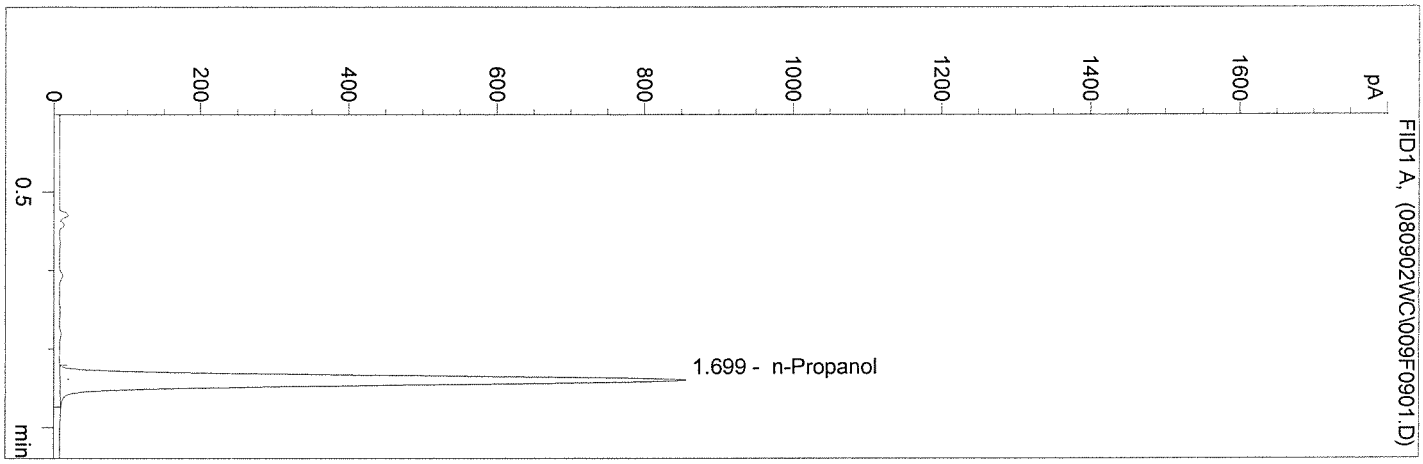
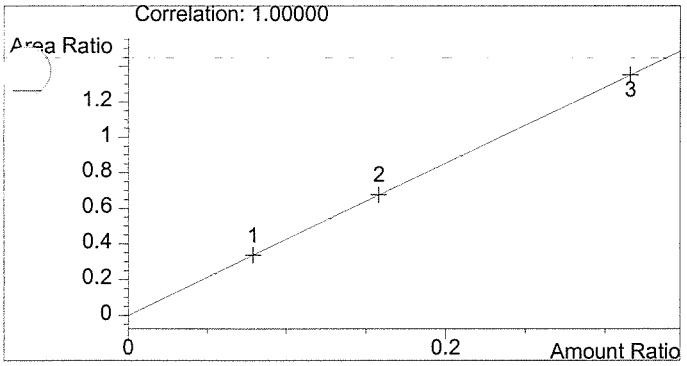
WP MARSHALL

vial # 9

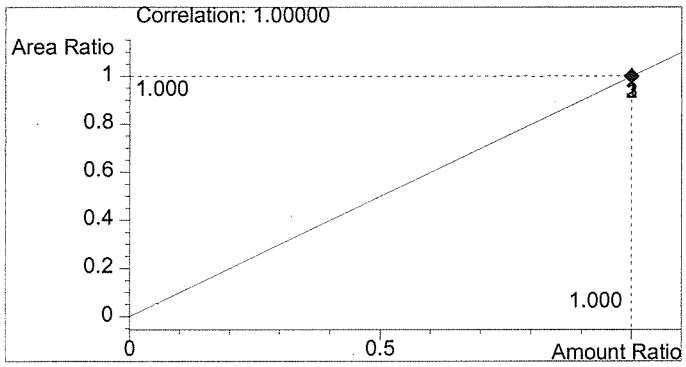


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3572	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

024600

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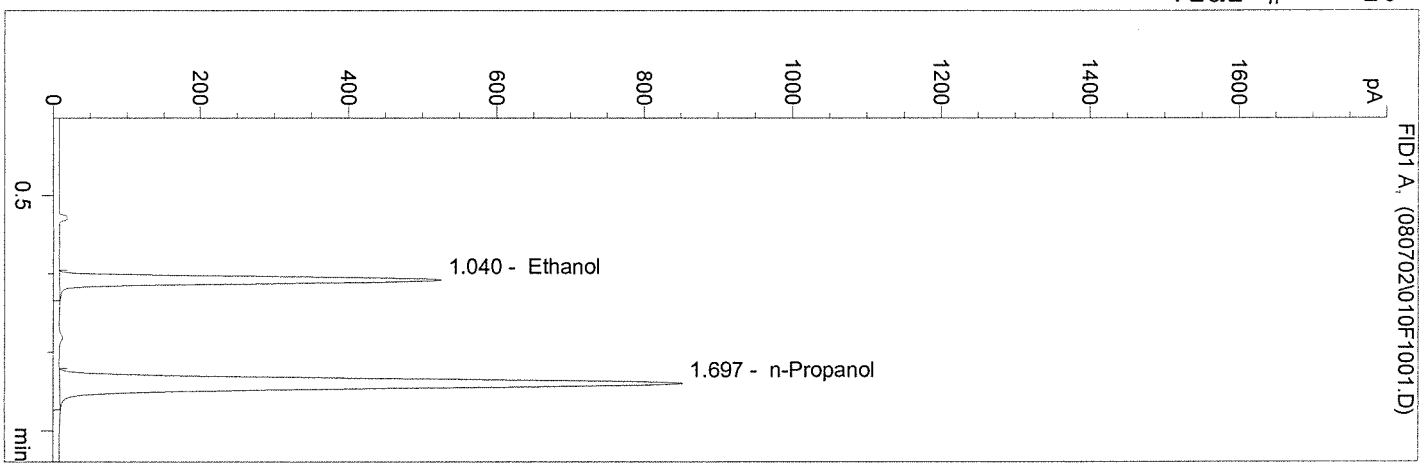
Instrument 1
DB-ALC1

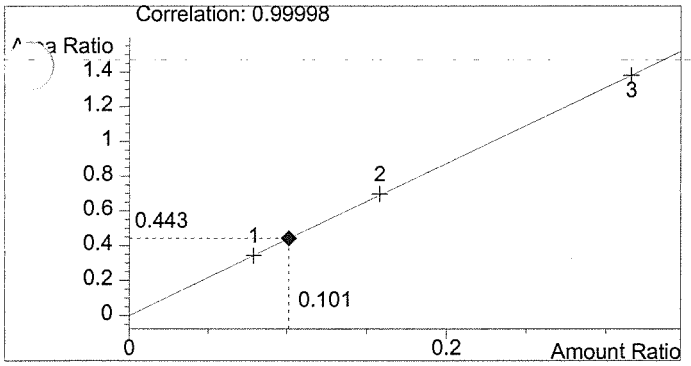
02029 SIM SOL
RUTH LUTHI

vial # 10

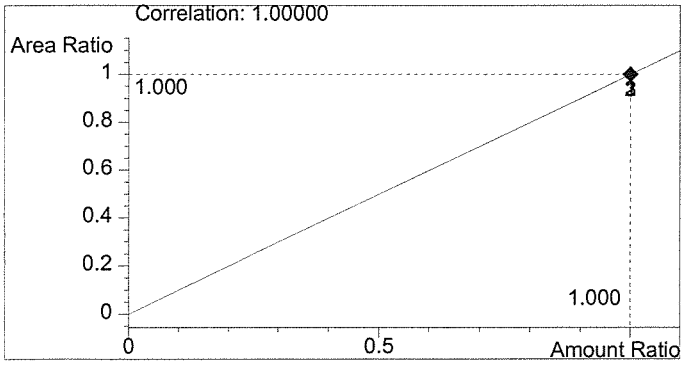


#	Compound	Area	RT
1	Ethanol	1577	1.040
2	n-Propanol	3561	1.697

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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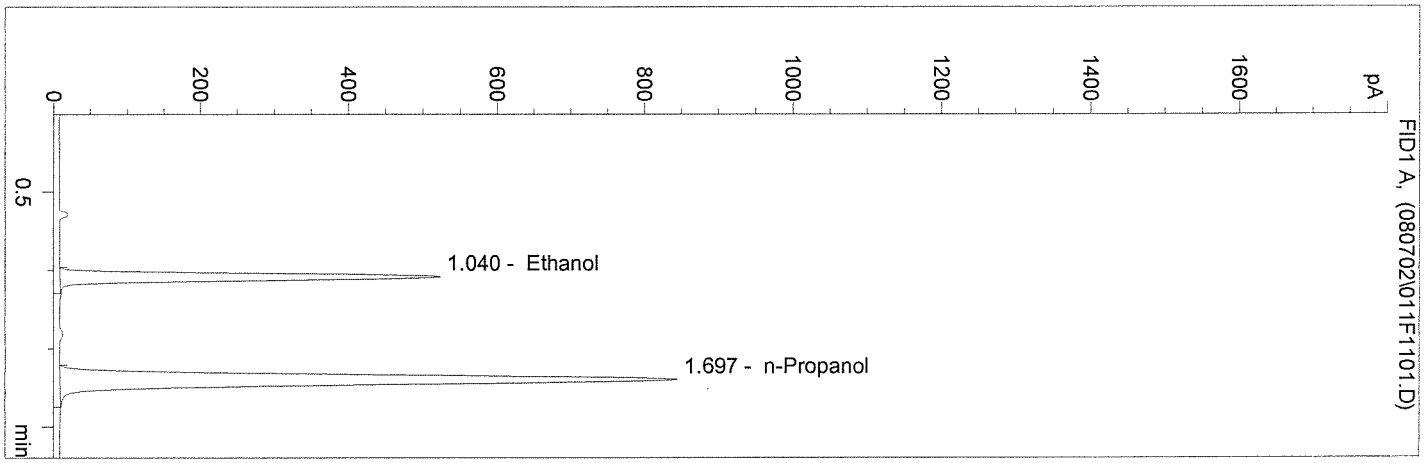
Instrument 1
DB-ALC1

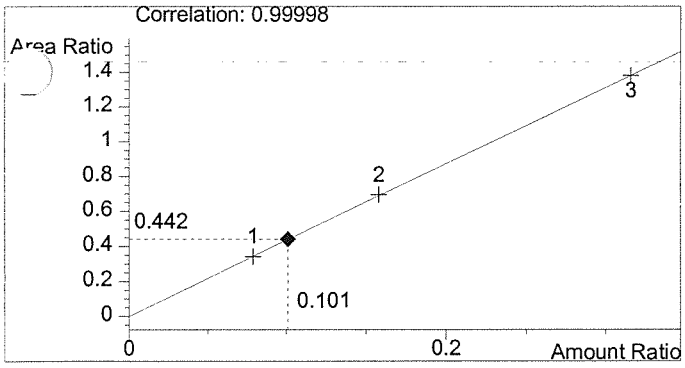
02029 SIM SOL
RUTH LUTHI

vial # 11

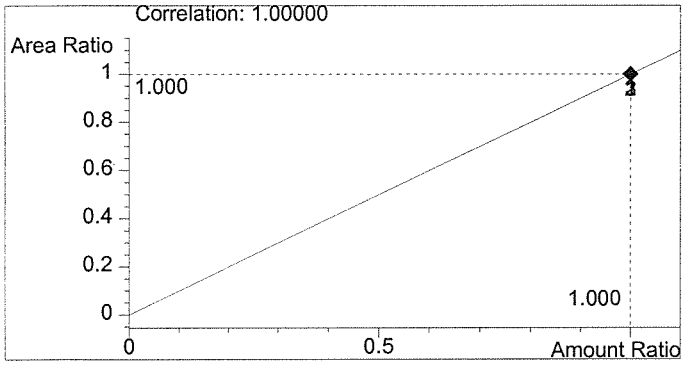


#	Compound	Area	RT
1	Ethanol	1559	1.040
2	n-Propanol	3526	1.697

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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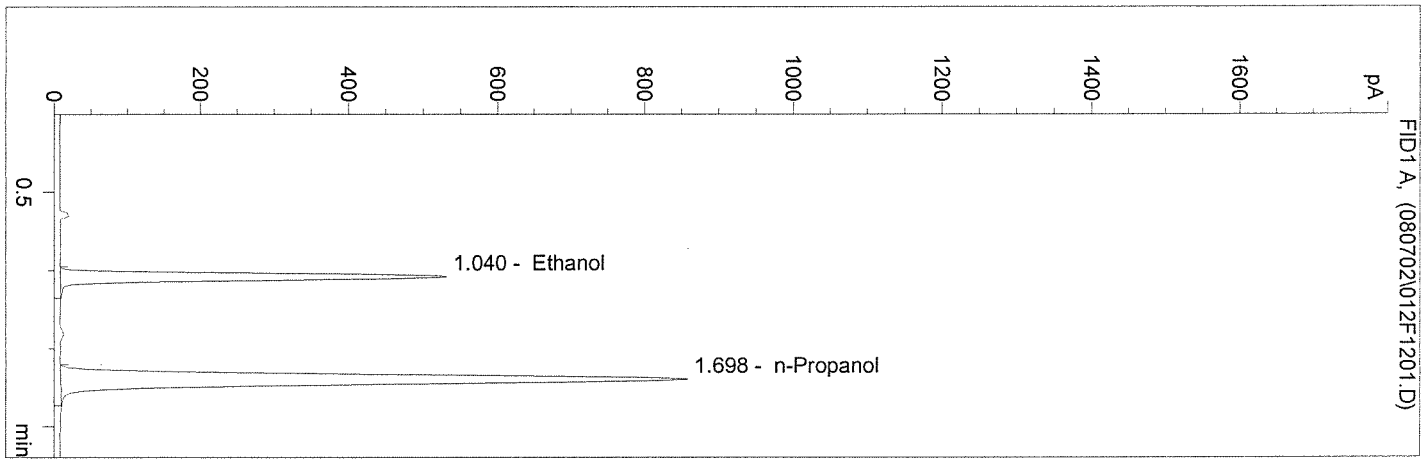
Instrument 1
DB-ALC1

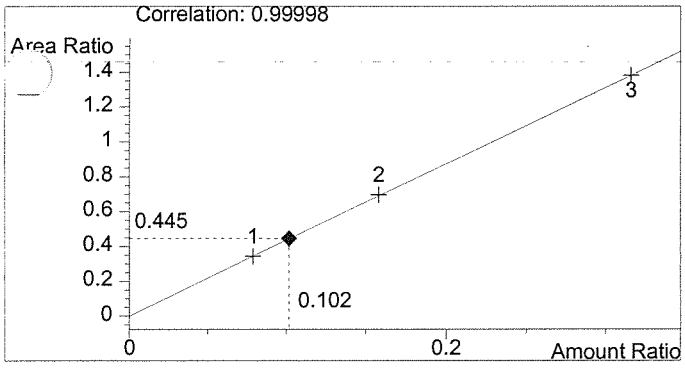
02029 SIM SOL
RUTH LUTHI

vial # 12

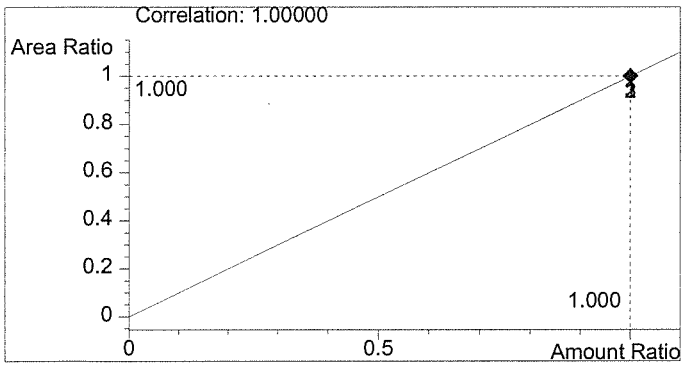


#	Compound	Area	RT
1	Ethanol	1592	1.040
2	n-Propanol	3574	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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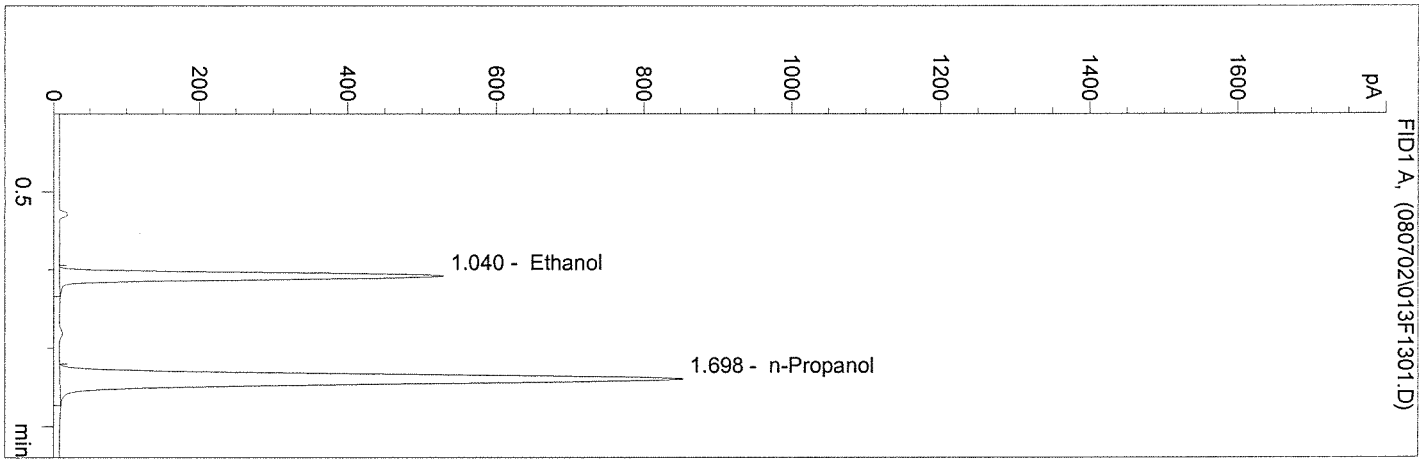
Instrument 1
DB-ALC1

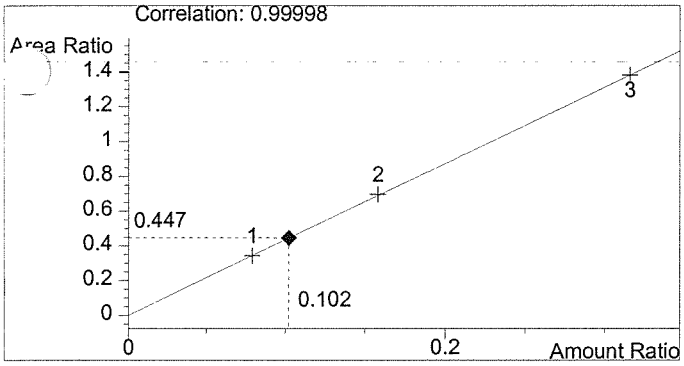
02029 SIM SOL
RUTH LUTHI

vial # 13

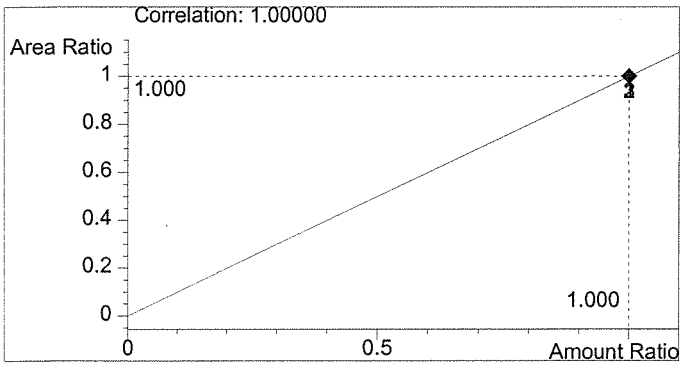


#	Compound	Area	RT
1	Ethanol	1590	1.040
2	n-Propanol	3558	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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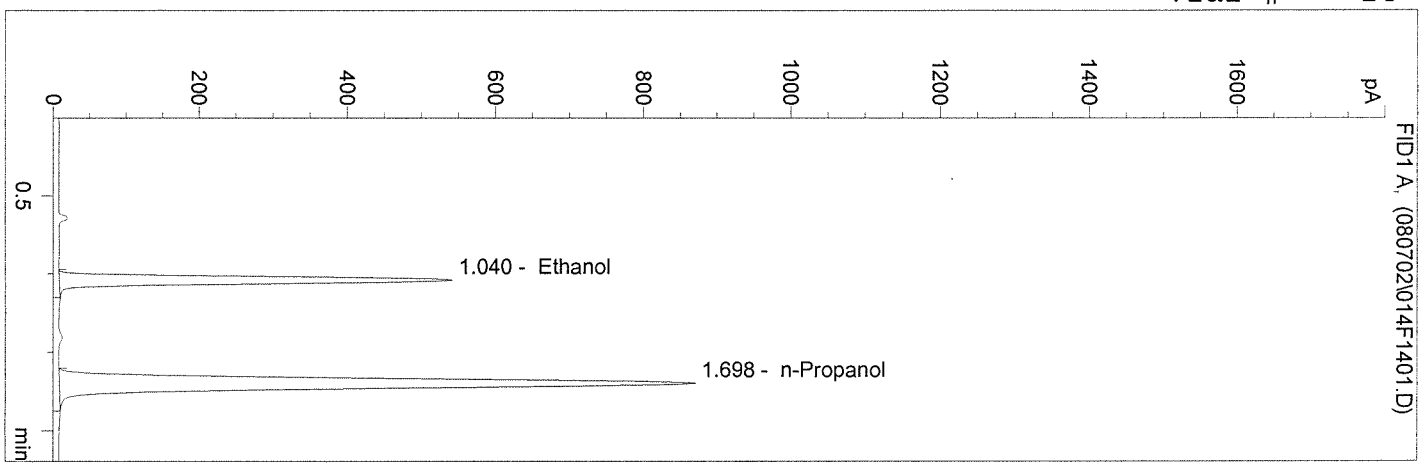
Instrument 1
DB-ALC1

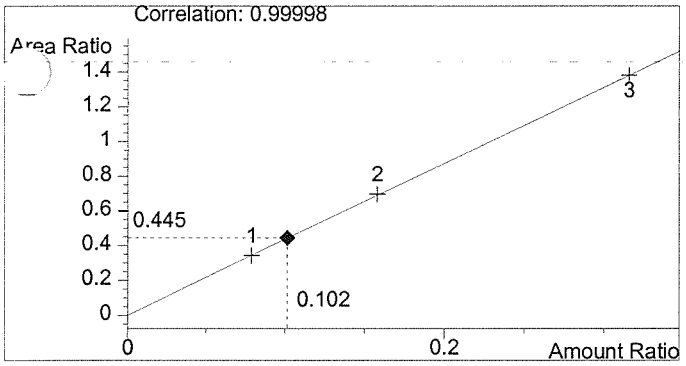
02029 SIM SOL
RUTH LUTHI

vial # 14

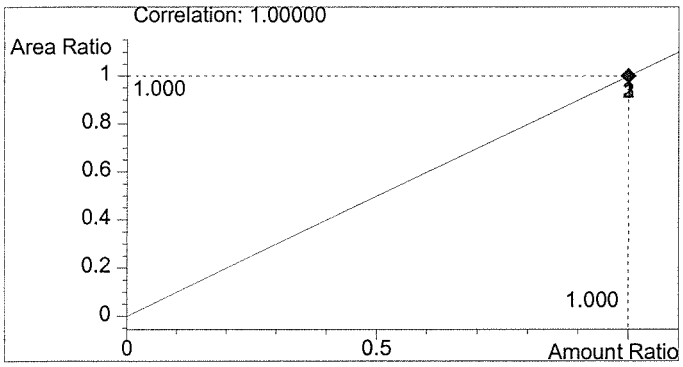


#	Compound	Area	RT
1	Ethanol	1609	1.040
2	n-Propanol	3618	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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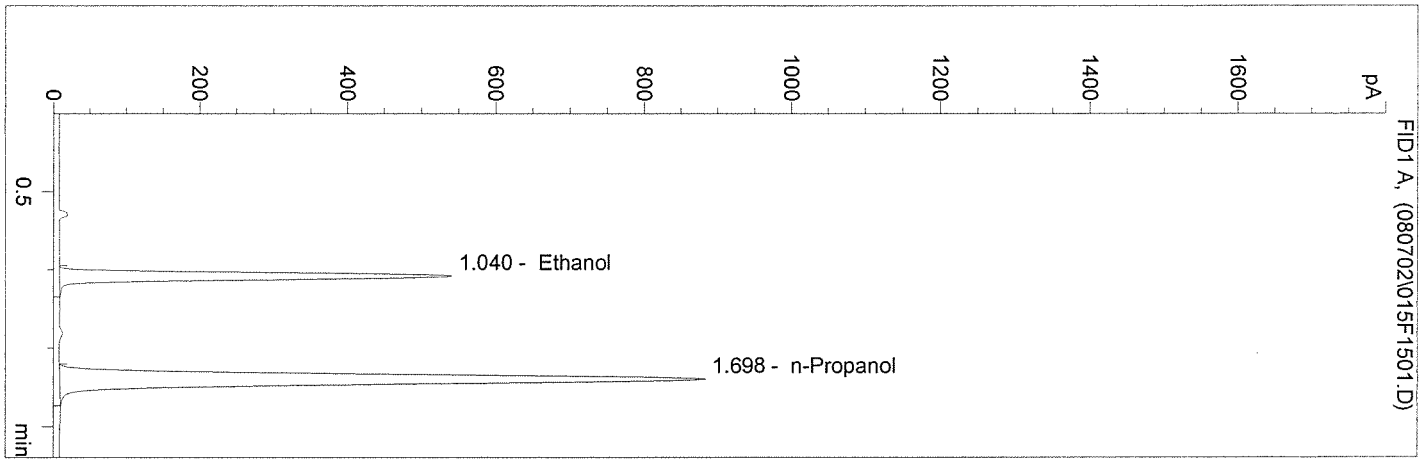
Instrument 1
DB-ALC1

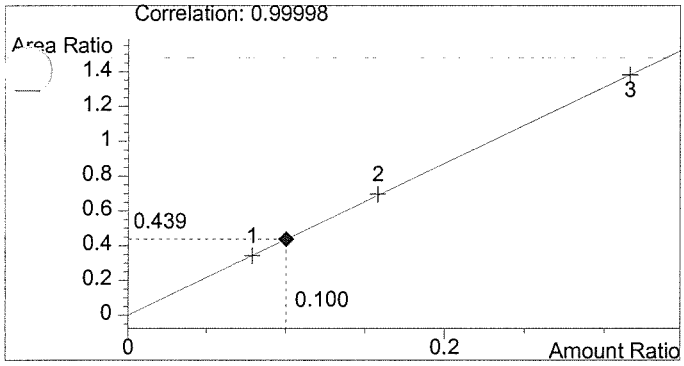
0.100 CTRL
RUTH LUTHI

vial # 15

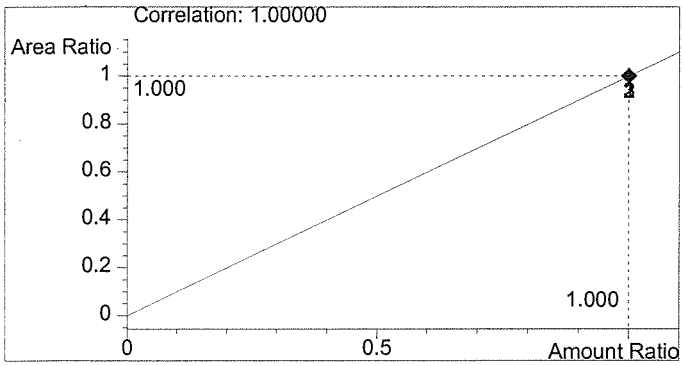


#	Compound	Area	RT
1	Ethanol	1615	1.040
2	n-Propanol	3679	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
DB-ALC1

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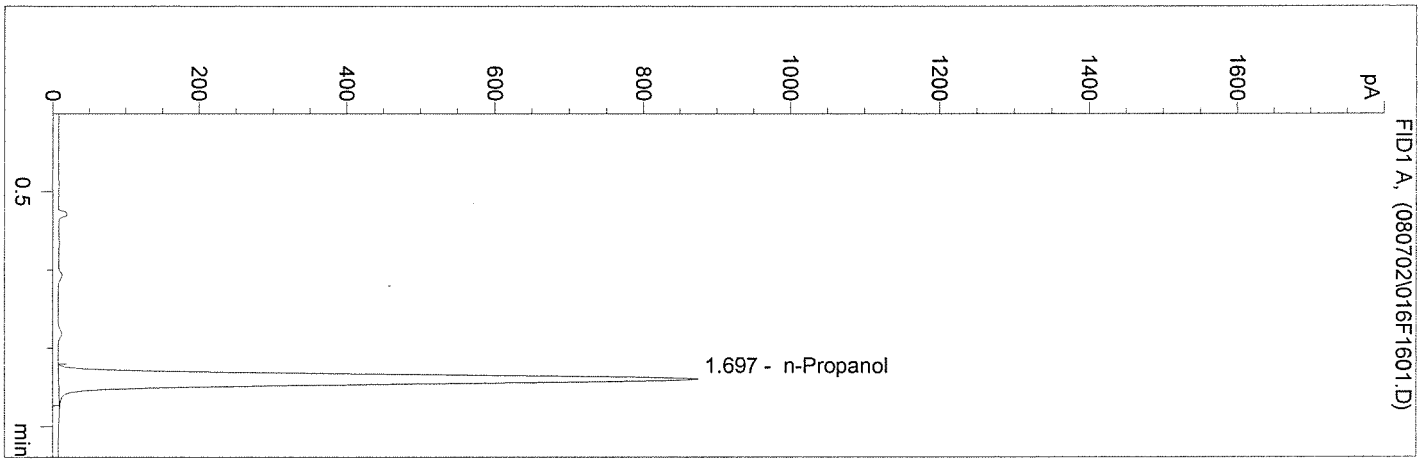
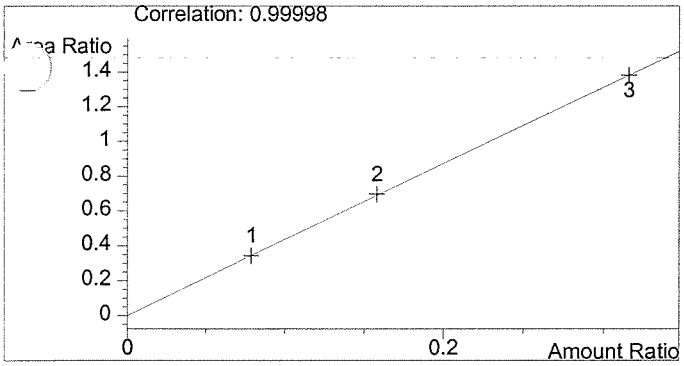
RUTH LUTHI

vial # 16

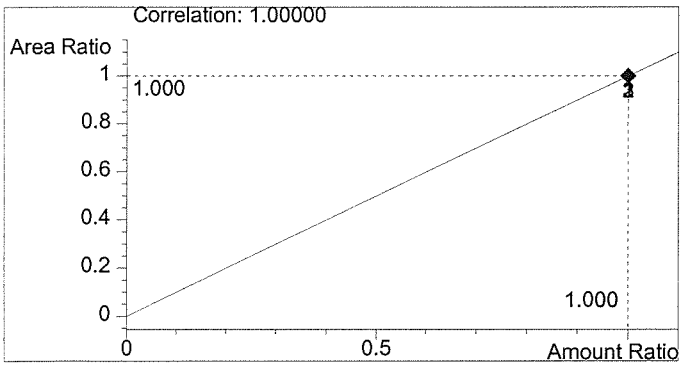


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3643	1.697

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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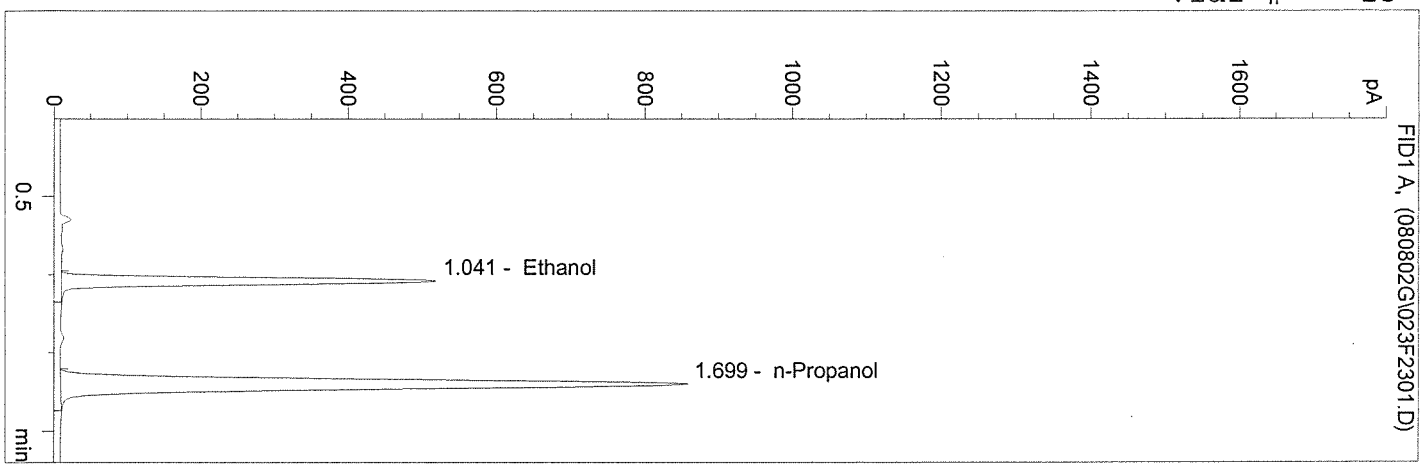
8/8/02 2:54:12 PM
Instrument 1
DB-ALC1

cal 024632

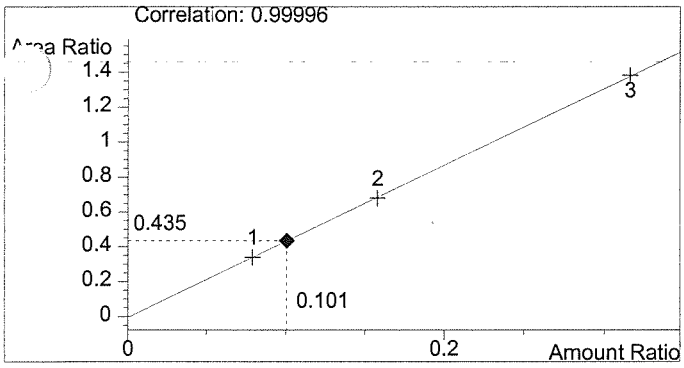
0.08SSOL 02029
GENE SCHWILKE

vial # 23

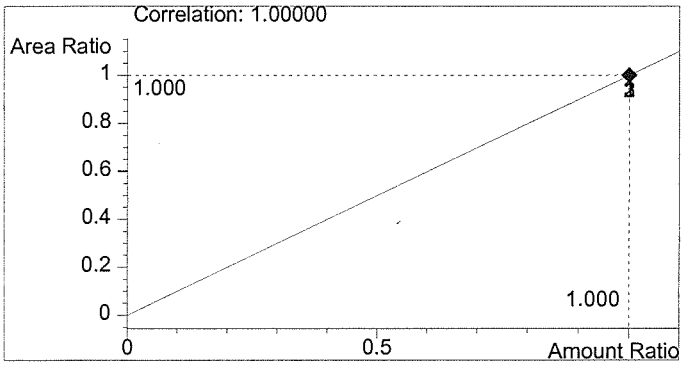


#	Compound	Area	RT
1	Ethanol	1556	1.041
2	n-Propanol	3576	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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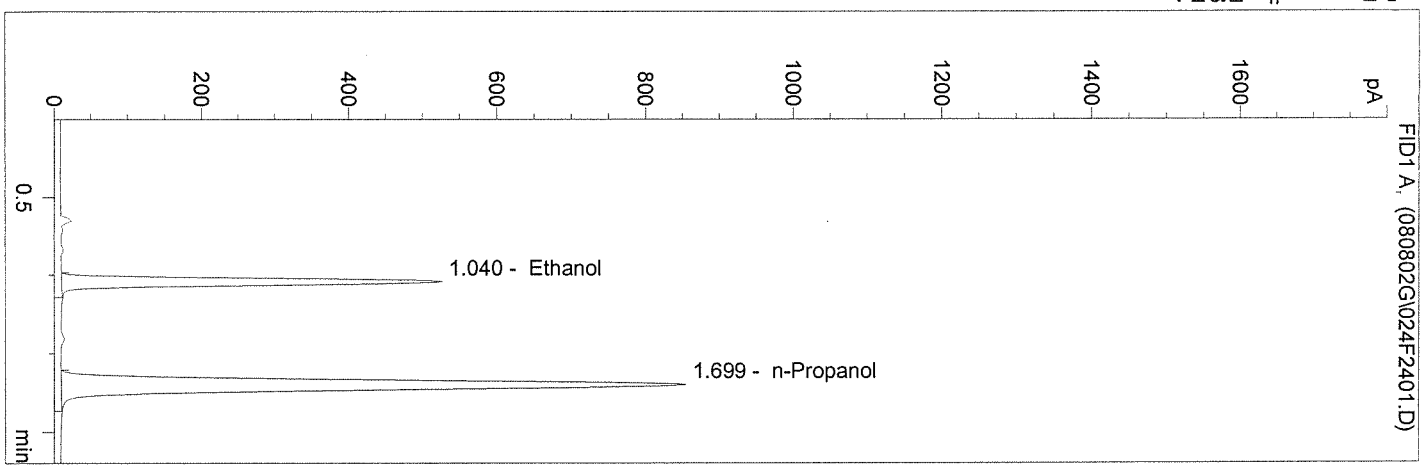
Instrument 1
DB-ALC1

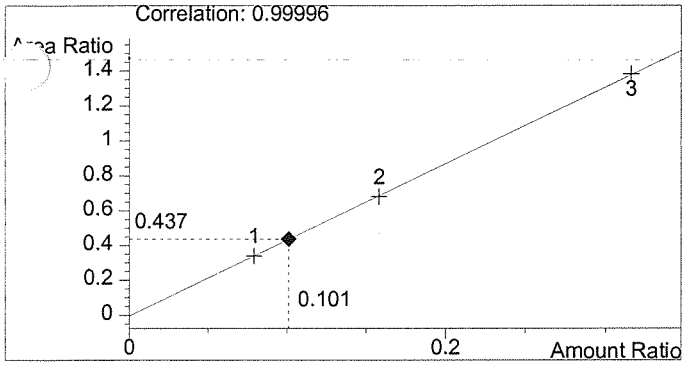
0.08SSOL 02029
GENE SCHWILKE

vial # 24

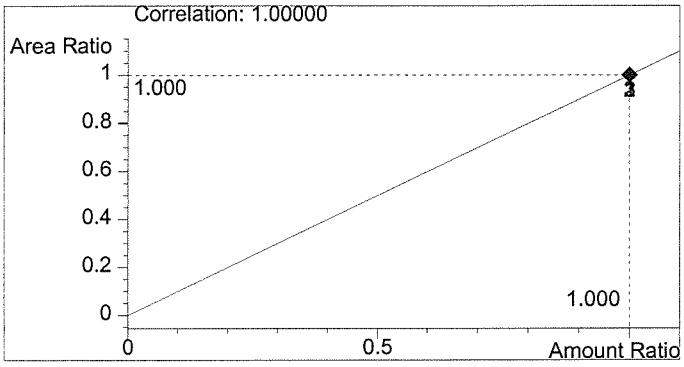


#	Compound	Area	RT
1	Ethanol	1546	1.040
2	n-Propanol	3536	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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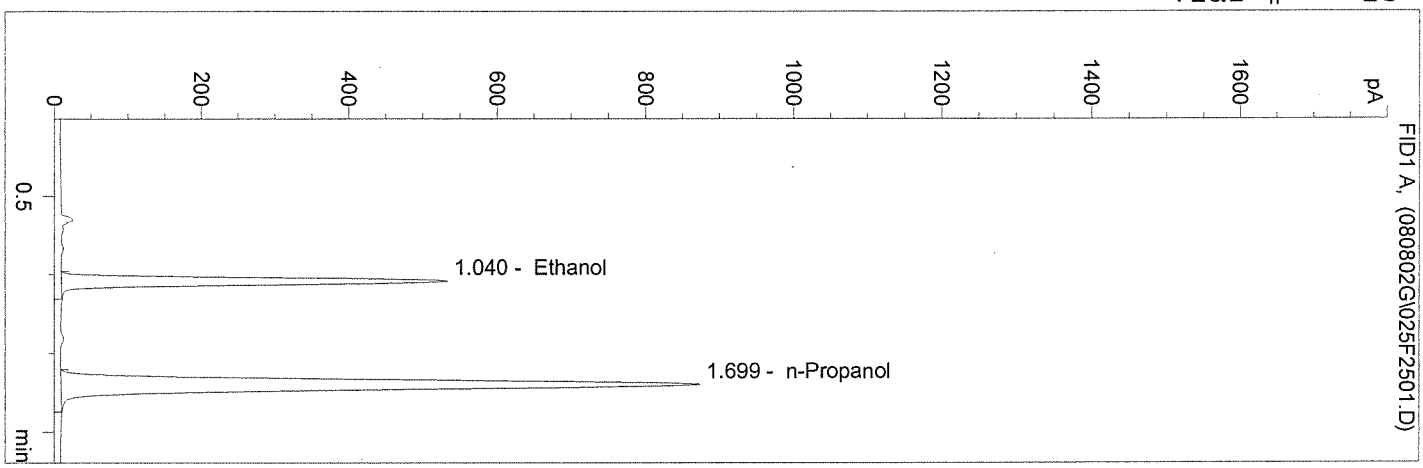
Instrument 1
DB-ALC1

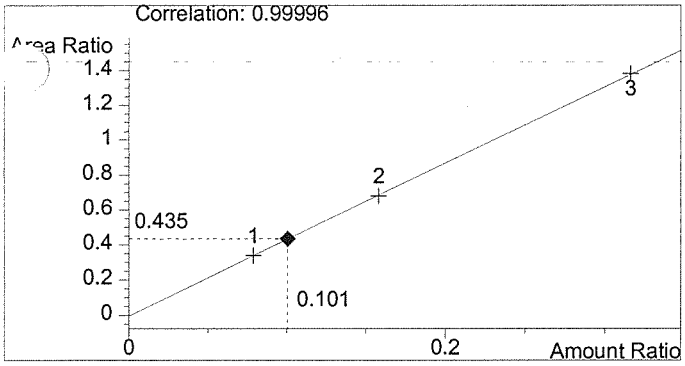
0.08SSOL 02029
GENE SCHWILKE

vial # 25

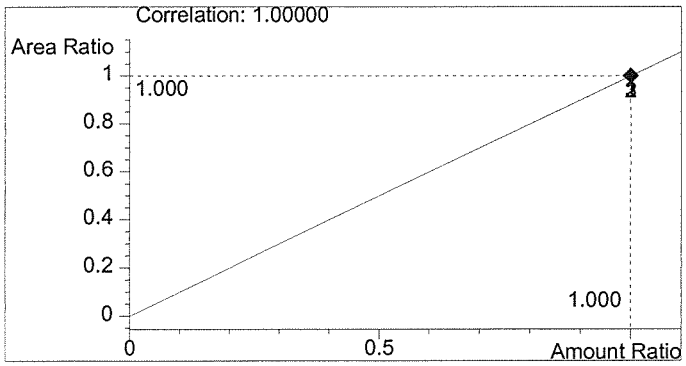


#	Compound	Area	RT
1	Ethanol	1586	1.040
2	n-Propanol	3645	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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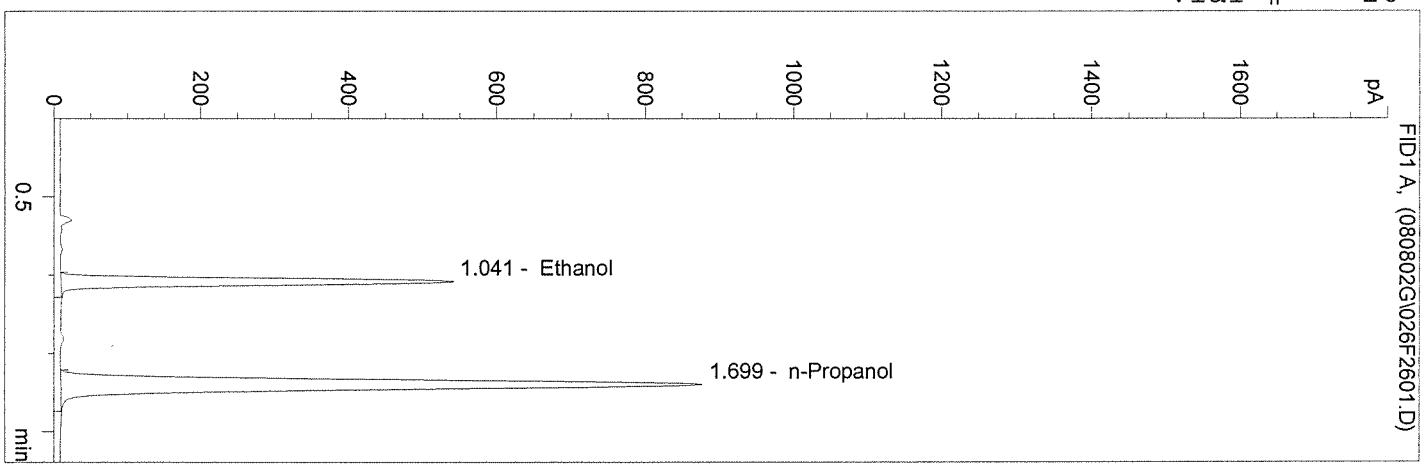
8/8/02 3:03:28 PM
Instrument 1
DB-ALC1

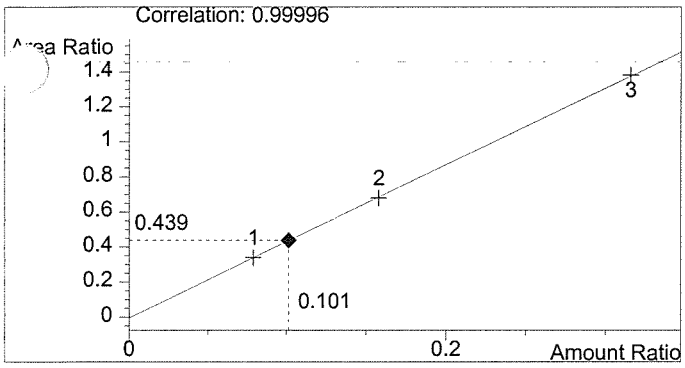
0.08SSOL 02029
GENE SCHWILKE

vial # 26

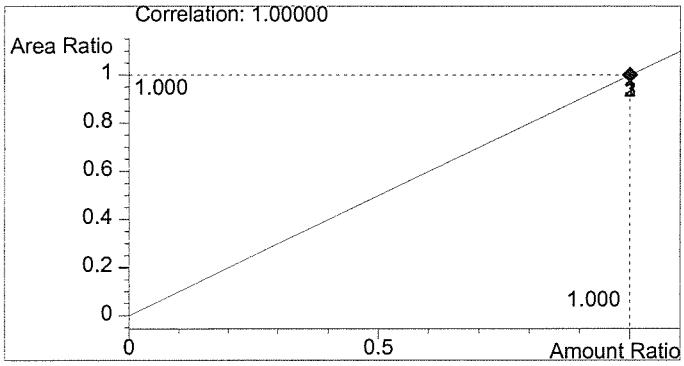


#	Compound	Area	RT
1	Ethanol	1594	1.041
2	n-Propanol	3636	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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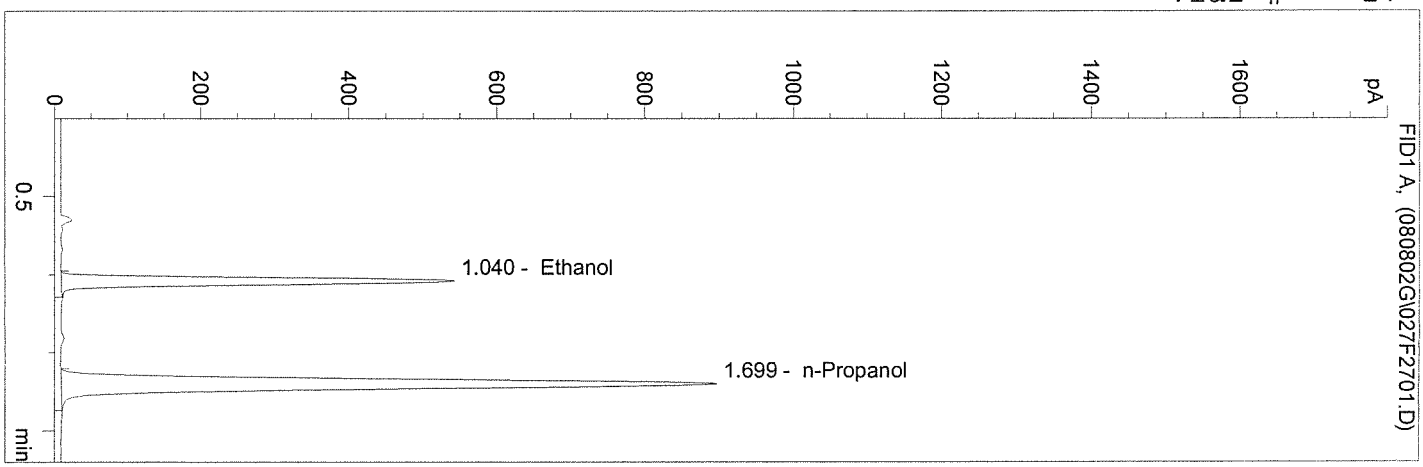
Instrument 1
DB-ALC1

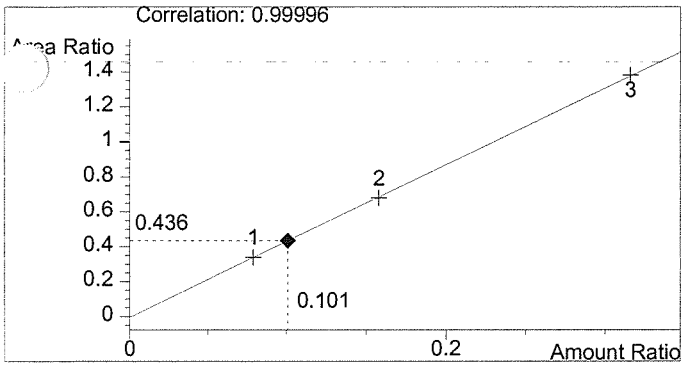
0.08SSOL 02029
GENE SCHWILKE

vial # 27

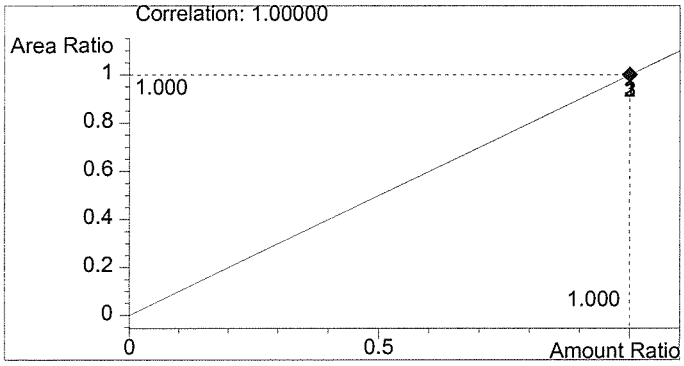


#	Compound	Area	RT
1	Ethanol	1631	1.040
2	n-Propanol	3742	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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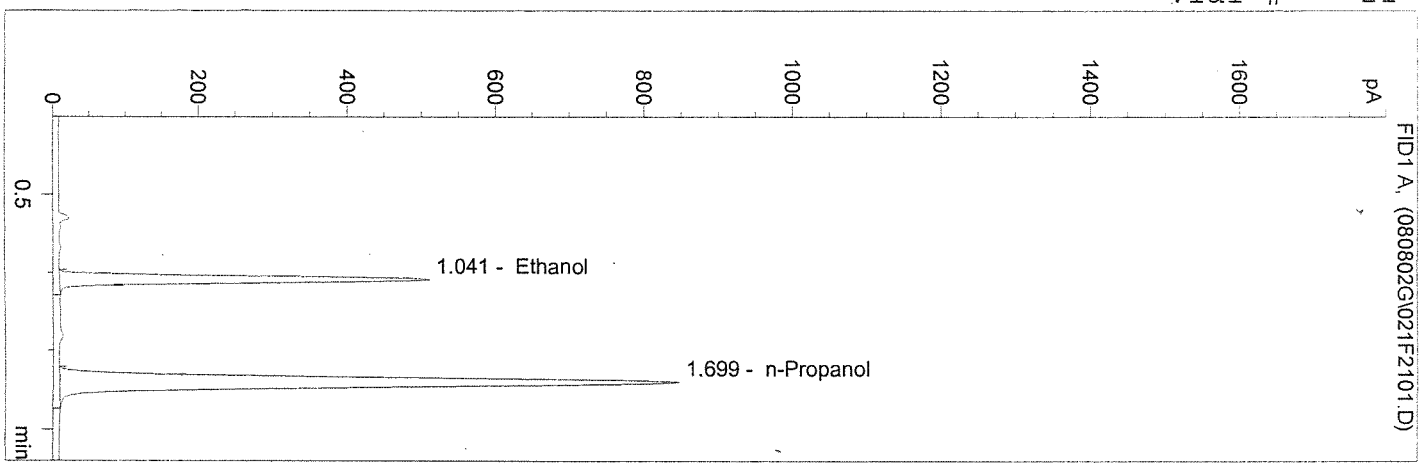
8/8/02 2:48:08 PM
Instrument 1
DB-ALC1

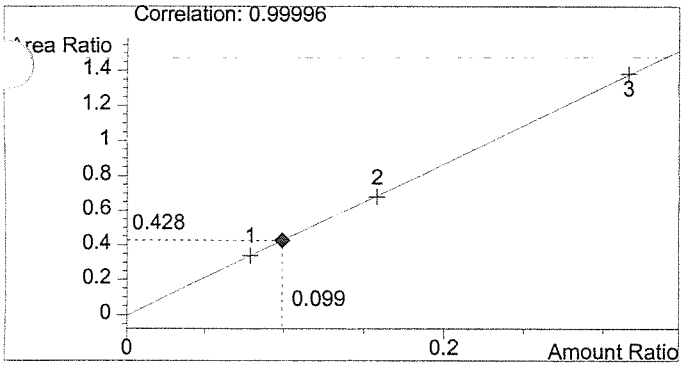
CAP 0.100
GENE SCHWILKE

vial # 21

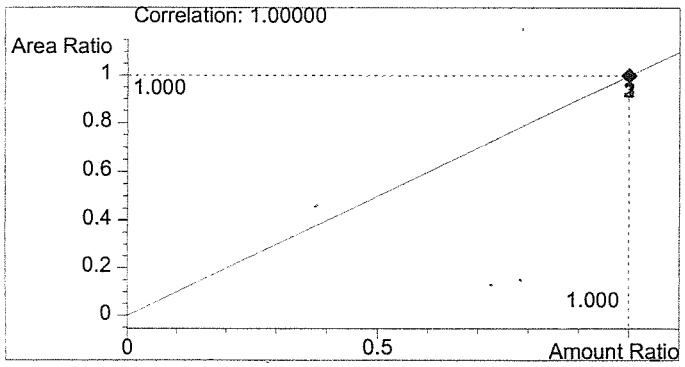


#	Compound	Area	RT
1	Ethanol	1504	1.041
2	n-Propanol	3512	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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8/8/02 2:51:10 PM
Instrument 1
DB-ALC1

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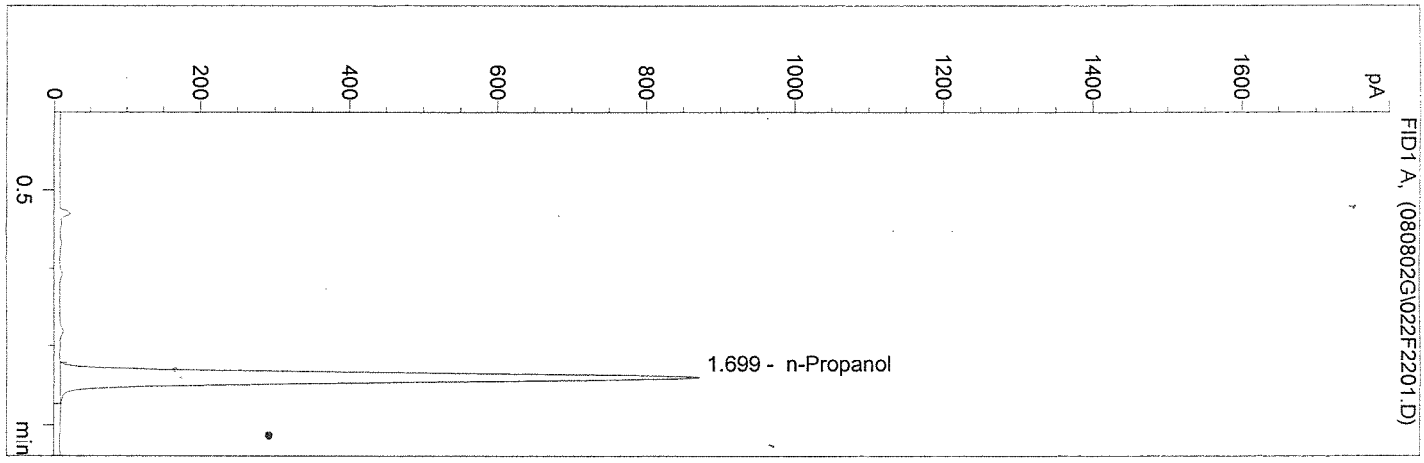
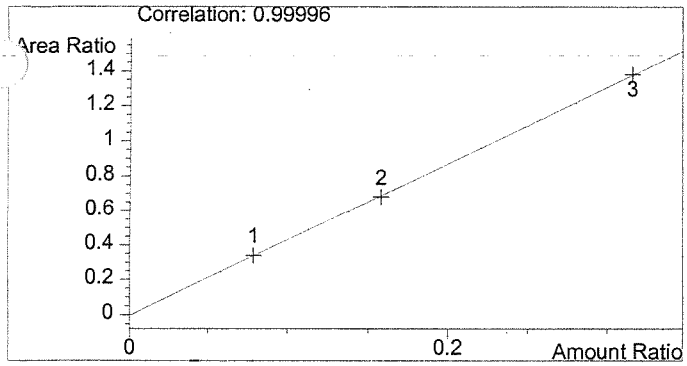
GENE SCHWILKE

vial # 22

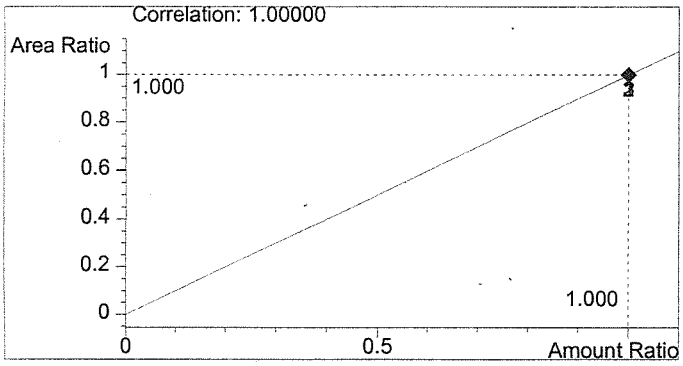


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3647	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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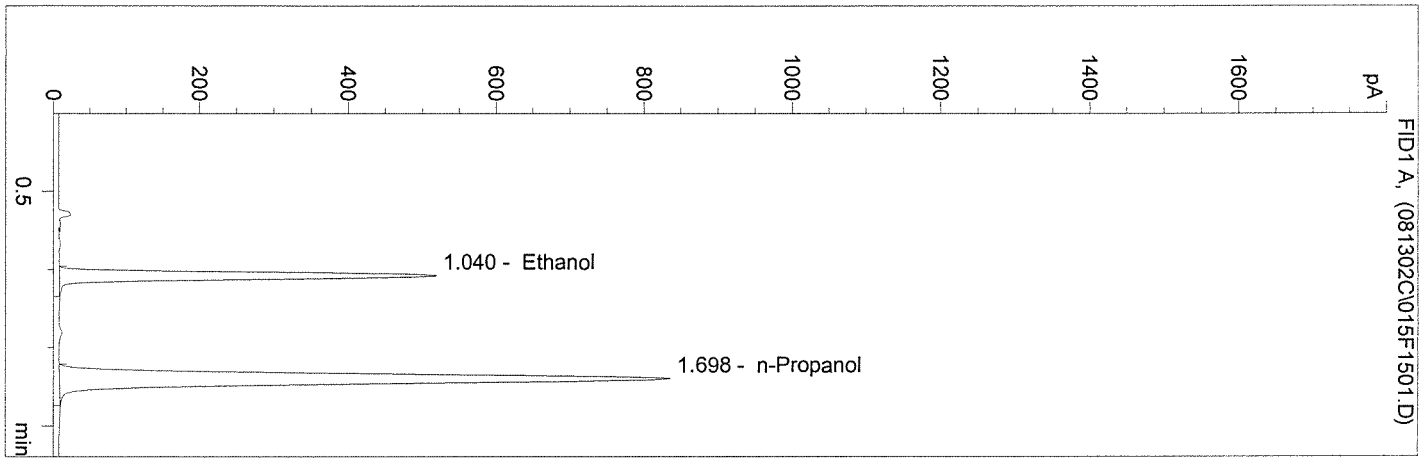
Instrument 1
DB-ALC1

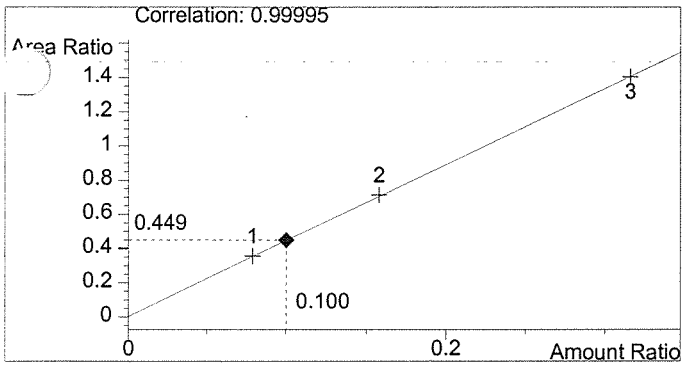
02029
ED FORMOSO

vial # 15

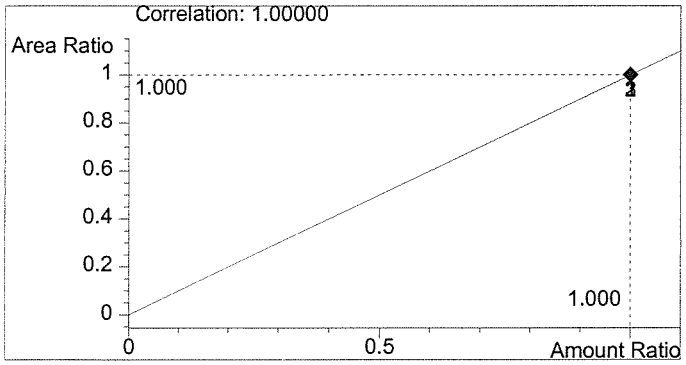


#	Compound	Area	RT
1	Ethanol	1566	1.040
2	n-Propanol	3488	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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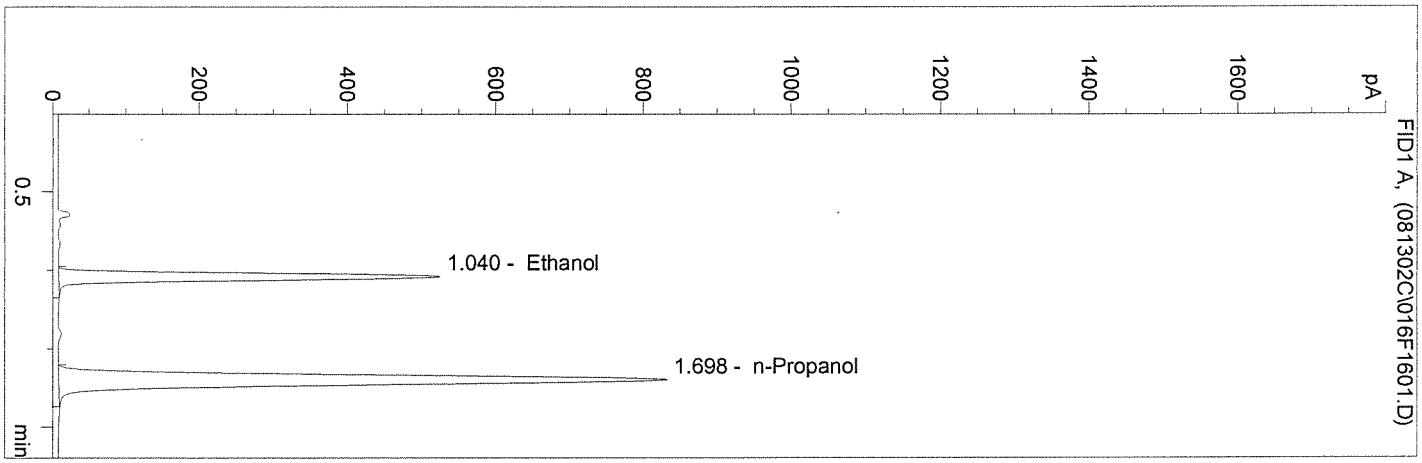
Instrument 1
DB-ALC1

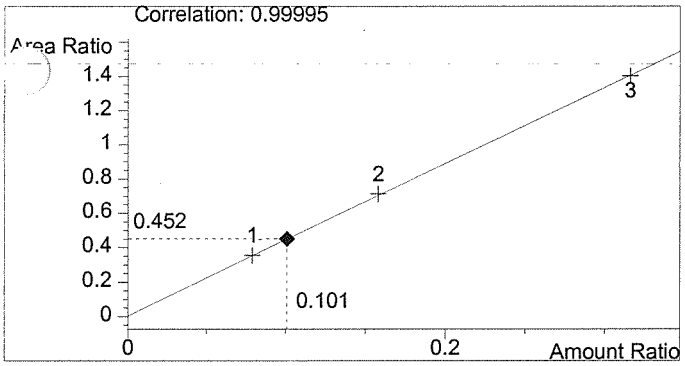
02029
ED FORMOSO

vial # 16

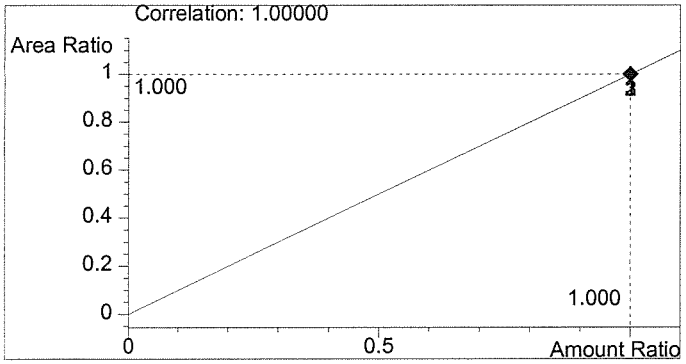


#	Compound	Area	RT
1	Ethanol	1565	1.040
2	n-Propanol	3464	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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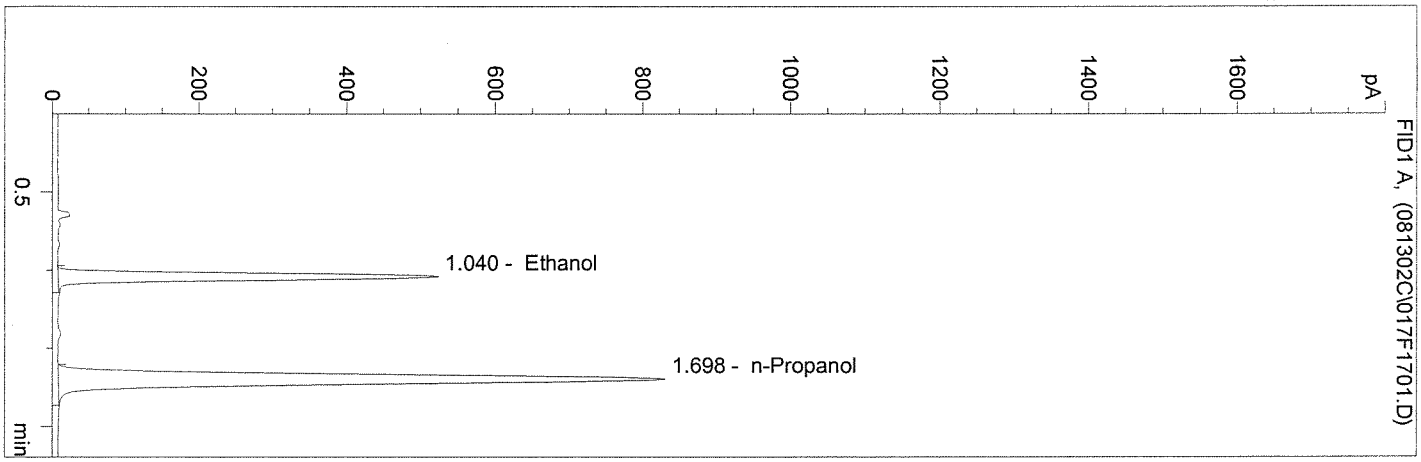
Instrument 1
DB-ALC1

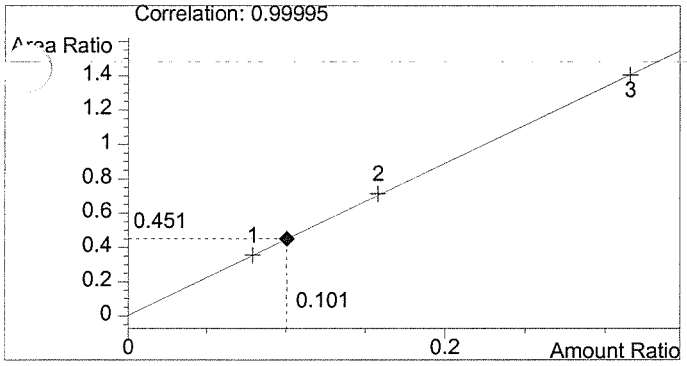
02029
ED FORMOSO

vial # 17

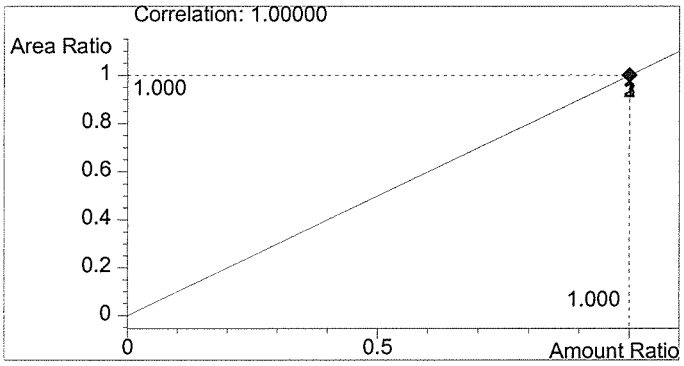


#	Compound	Area	RT
1	Ethanol	1562	1.040
2	n-Propanol	3464	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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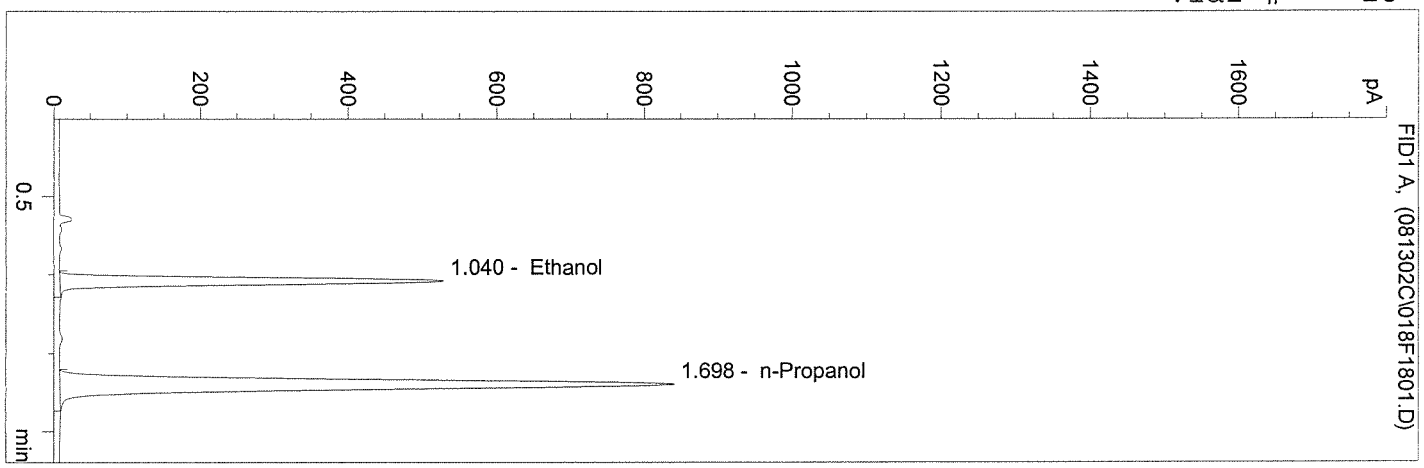
8/13/02 9:32:44 AM
Instrument 1
DB-ALC1

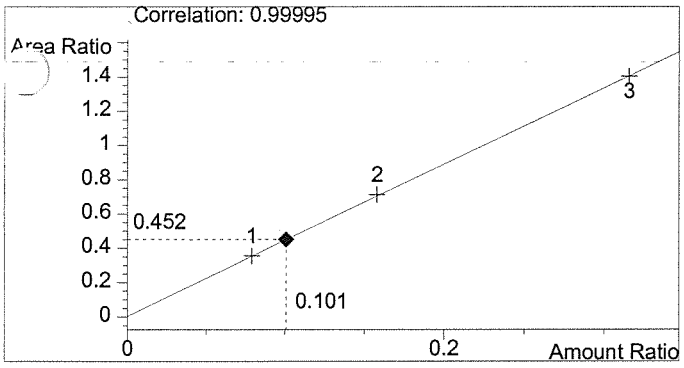
02029
ED FORMOSO

vial # 18

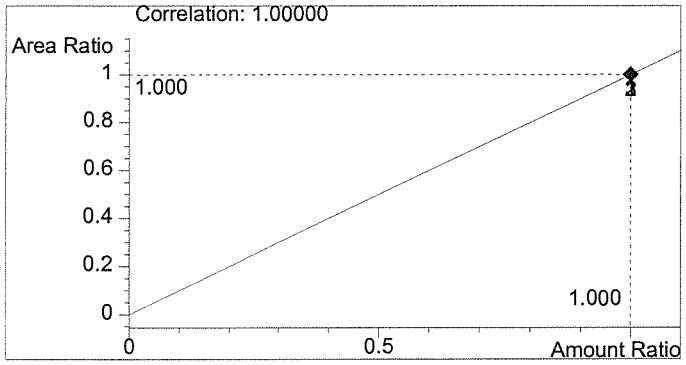


#	Compound	Area	RT
1	Ethanol	1582	1.040
2	n-Propanol	3503	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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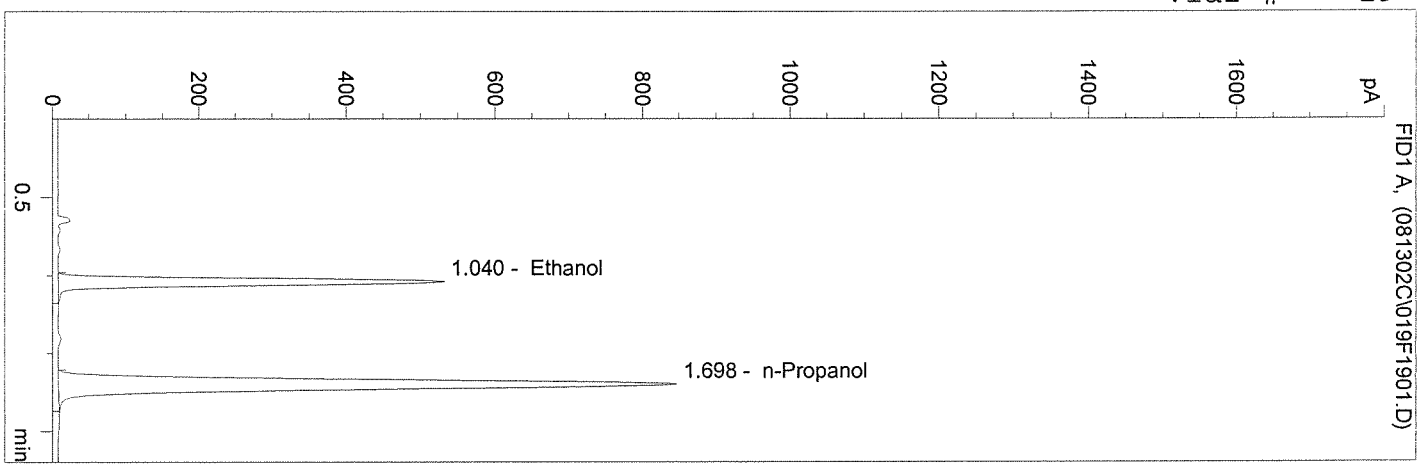
8/13/02 9:35:46 AM
Instrument 1
DB-ALC1

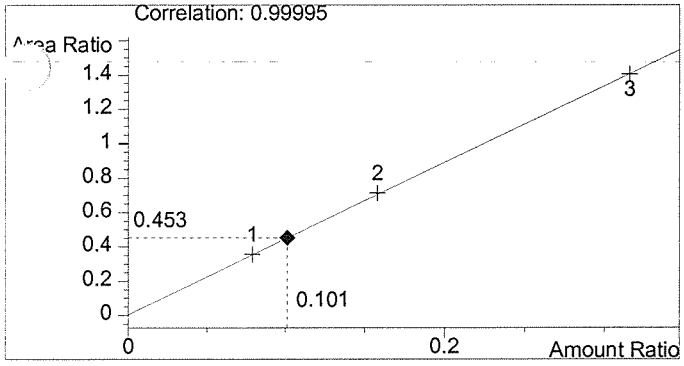
02029
ED FORMOSO

vial # 19

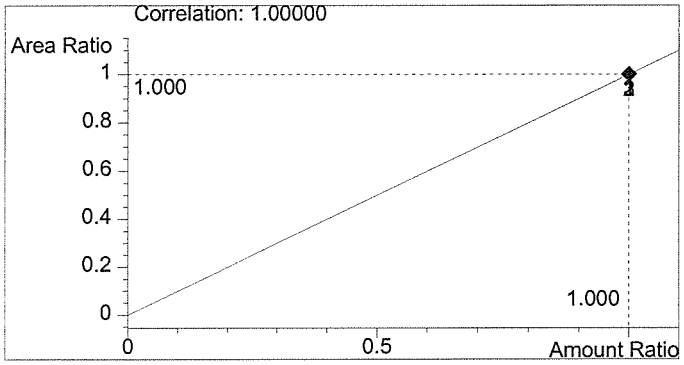


#	Compound	Area	RT
1	Ethanol	1602	1.040
2	n-Propanol	3534	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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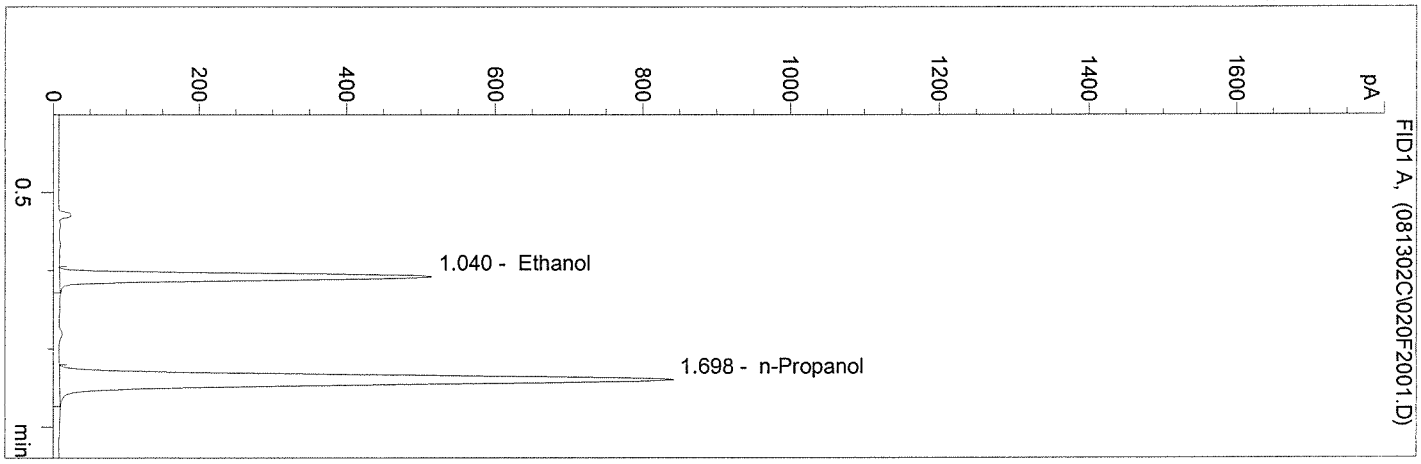
8/13/02 9:38:48 AM
Instrument 1
DB-ALC1

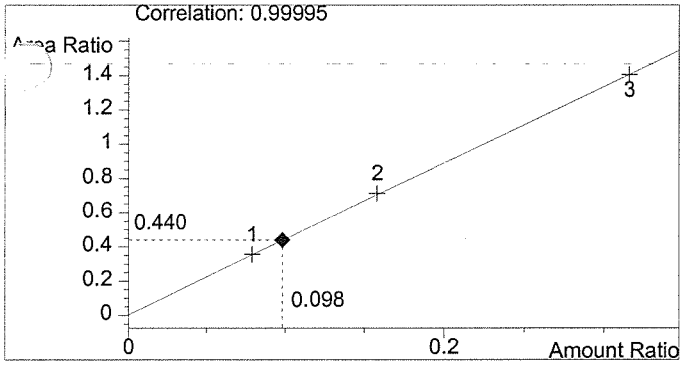
0.10 CONTROL
ED FORMOSO

vial # 20

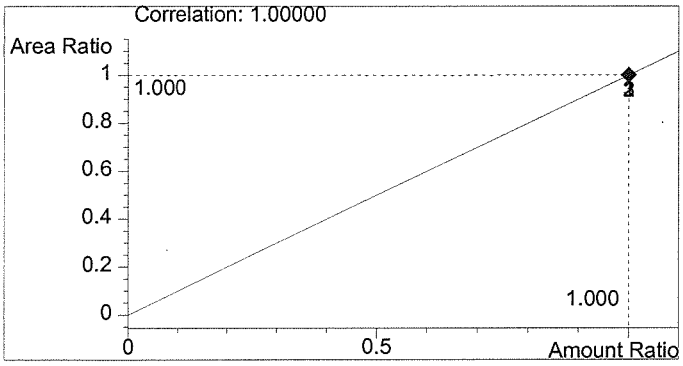


#	Compound	Area	RT
1	Ethanol	1546	1.040
2	n-Propanol	3517	1.698

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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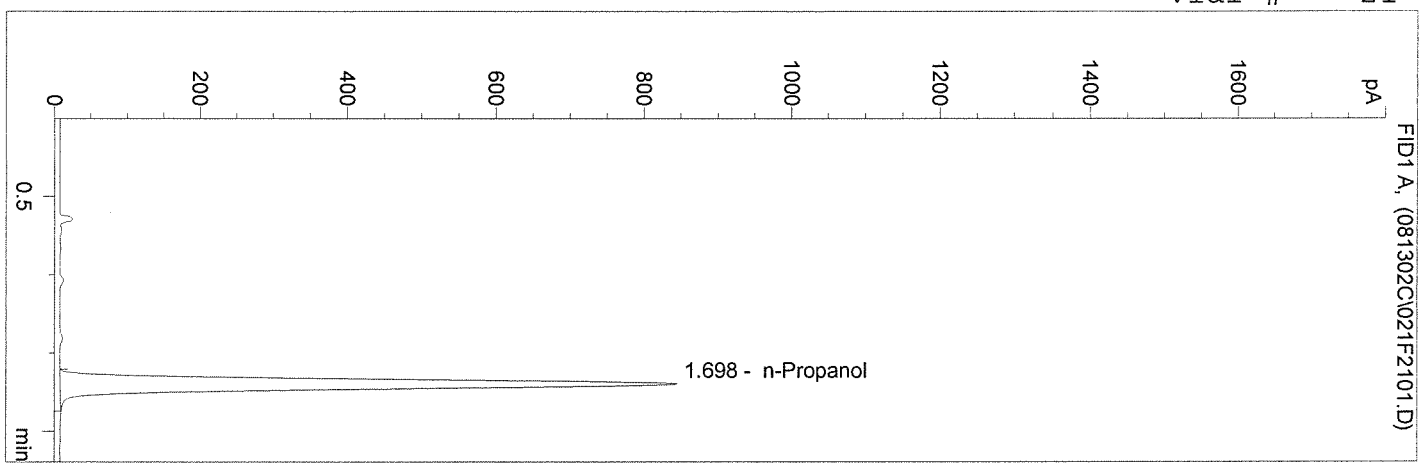
8/13/02 9:42:05 AM
Instrument 1
DB-ALC1

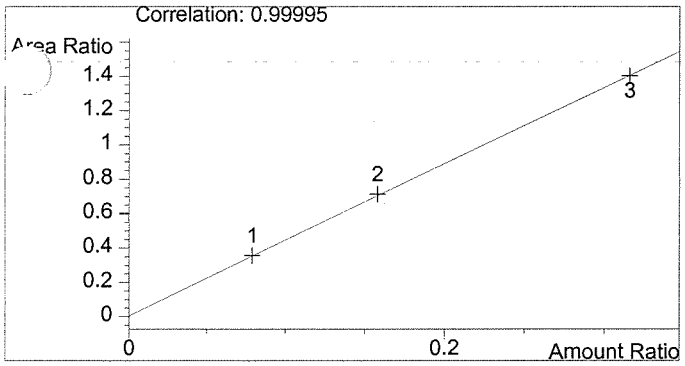
BLANK
ED FORMOSO

vial # 21

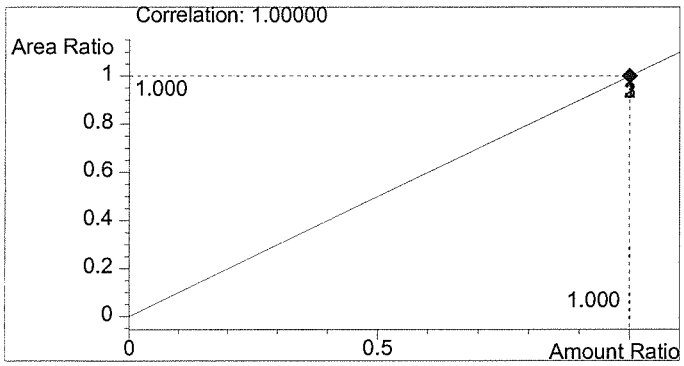


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3513	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	BLANK	BLDALCO	1	Sample		
2	2	0.079 CAL	BLDALCO	1	Calib		
3	3	0.158 CAL	BLDALCO	1	Calib		
4	4	0.316 CAL	BLDALCO	1	Calib		
5	5	BLANK	BLDALCO	1	Sample		
6	6	0.04 MIX	VOL	1	Calib		
7	7	0.08 MIX	VOL	1	Calib		
8	8	BLANK	BLDALCO	1	Sample		
9	9	0.02 STD	BLDALCO	1	Sample		
10	10	0.10 CONTROL	BLDALCO	1	Ctrl Samp		
11	11	BLANK	BLDALCO	1	Sample		
12	12	SIM SOLN 02029-1	BLDALCO	1	Sample		
13	13	SIM SOLN 02029-2	BLDALCO	1	Sample		
14	14	SIM SOLN 02029-3	BLDALCO	1	Sample		
15	15	SIM SOLN 02029-4	BLDALCO	1	Sample		
16	16	SIM SOLN 02029-5	BLDALCO	1	Sample		
17	17	0.10 CONTROL	BLDALCO	1	Ctrl Samp		
18	18	BLANK	BLDALCO	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

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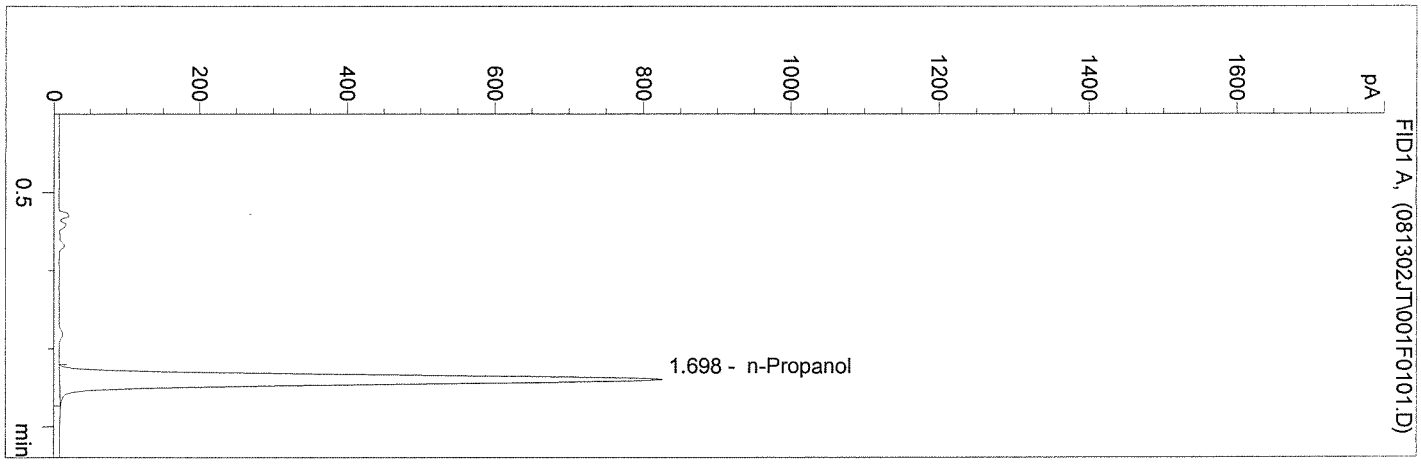
8/13/02 12:23:12 PM
Instrument 1
DB-ALC1

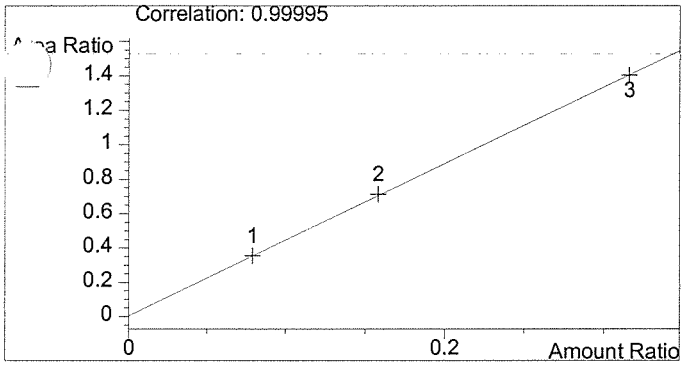
BLANK
JAYNE THATCHER

vial # 1

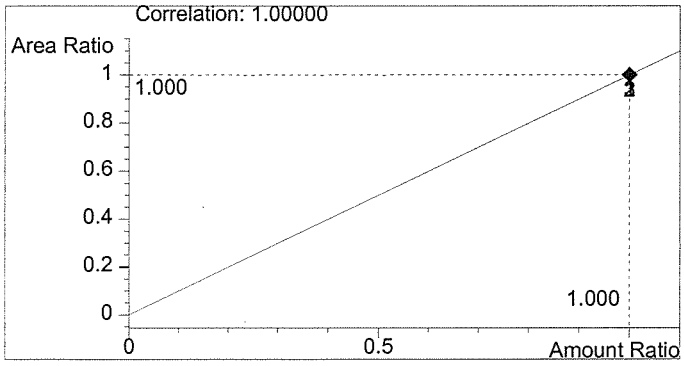


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3442	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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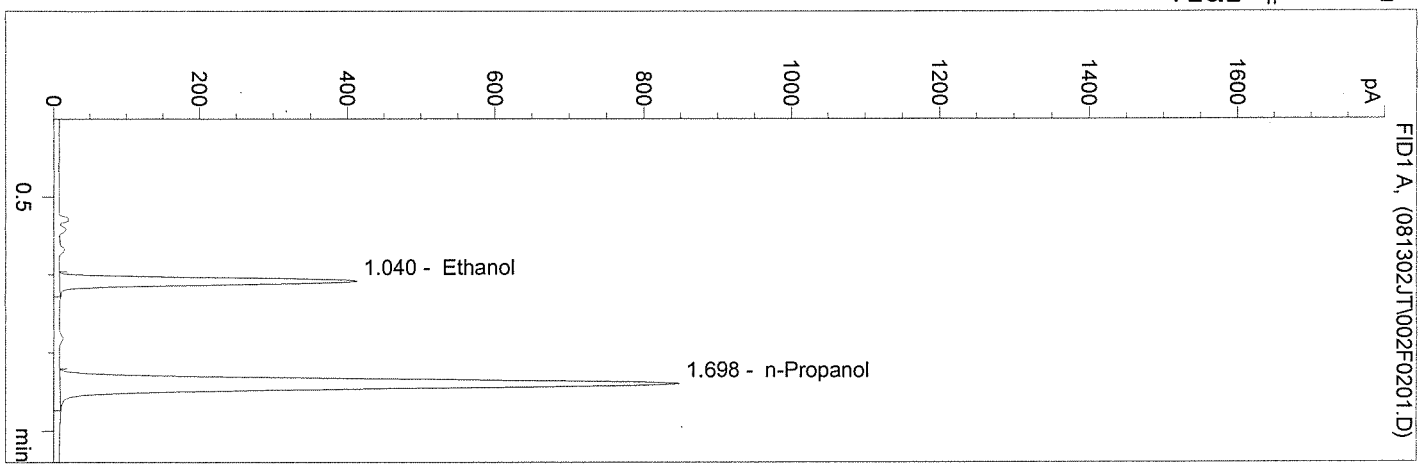
8/13/02 12:26:14 PM
Instrument 1
DB-ALC1

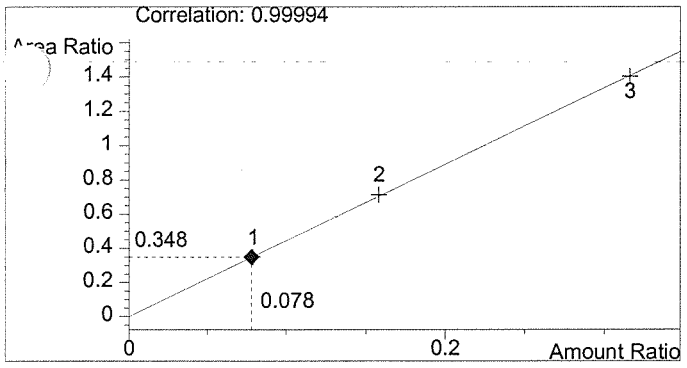
0.079 CAL
JAYNE THATCHER

vial # 2

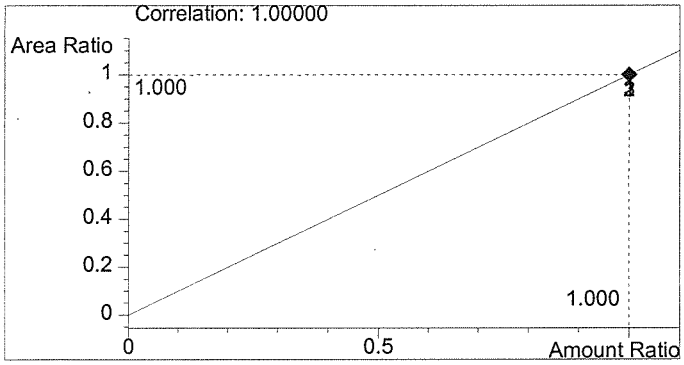


#	Compound	Area	RT
1	Ethanol	1234	1.040
2	n-Propanol	3545	1.698

Totals:



Ethanol 0.078 g/100ml



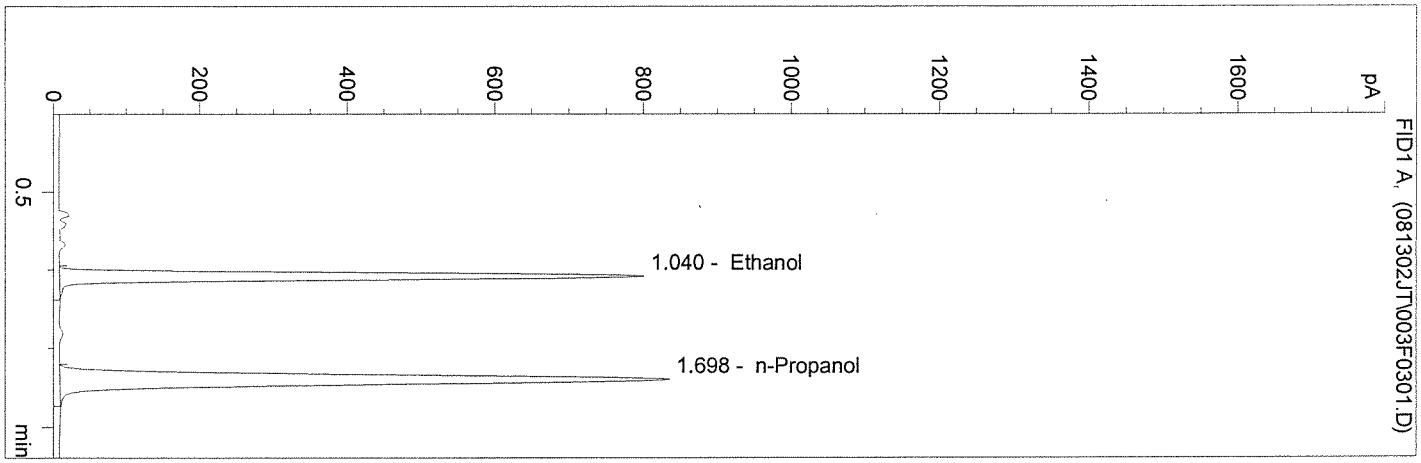
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/13/02 12:29:15 PM
Instrument 1
DB-ALC1

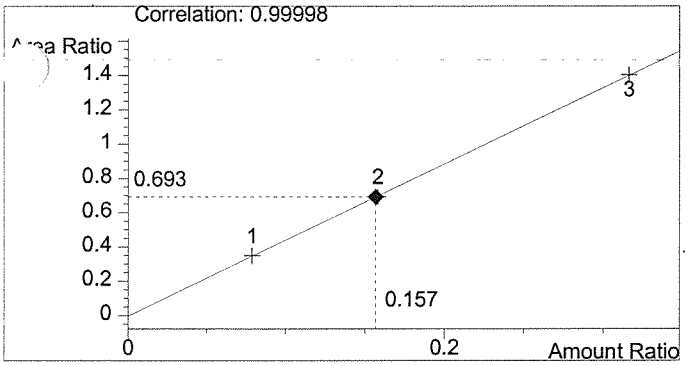
0.158 CAL
JAYNE THATCHER

vial # 3

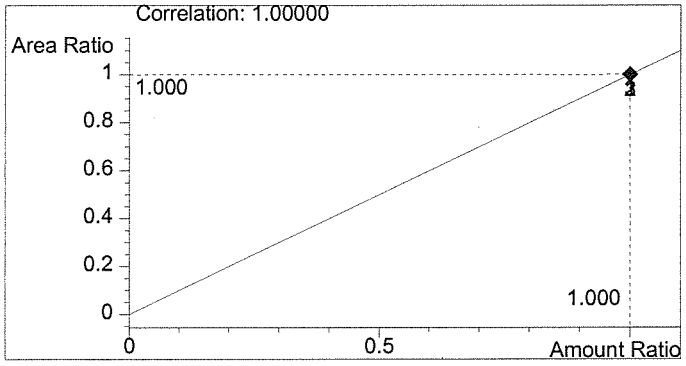


#	Compound	Area	RT
1	Ethanol	2408	1.040
2	n-Propanol	3476	1.698

Totals:



Ethanol 0.157 g/100ml



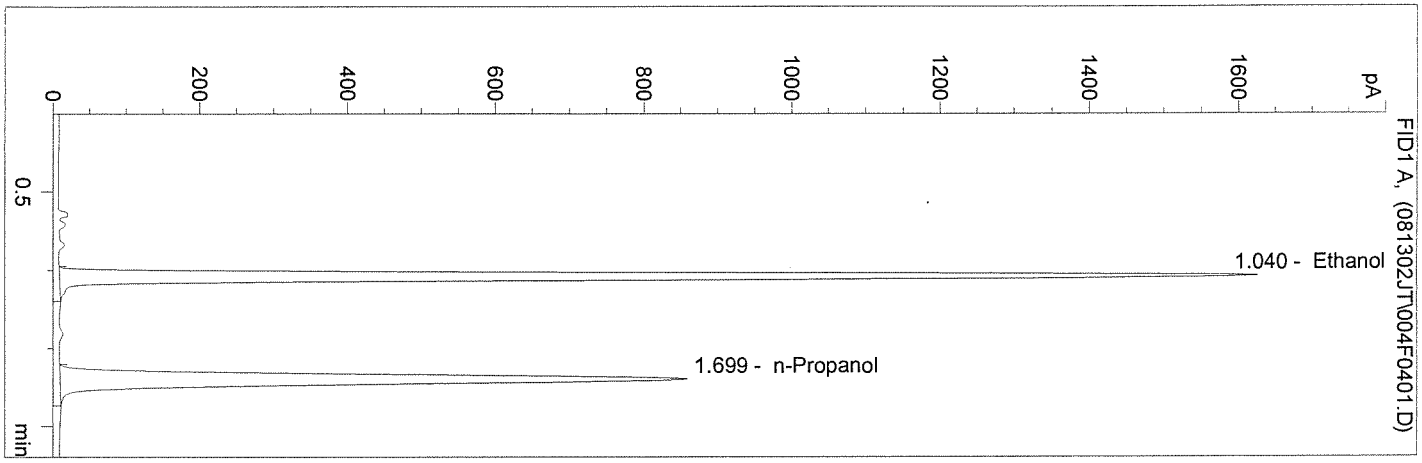
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

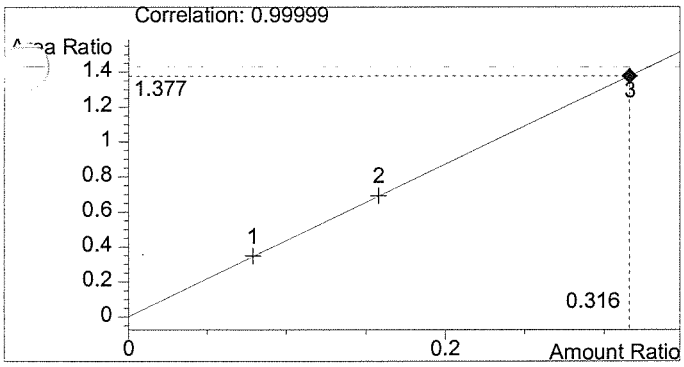
C:\HPCHEM\1\METHODS\BLDALCO.M
8/13/02 12:32:17 PM
Instrument 1
DB-ALC1

0.316 CAL
JAYNE THATCHER

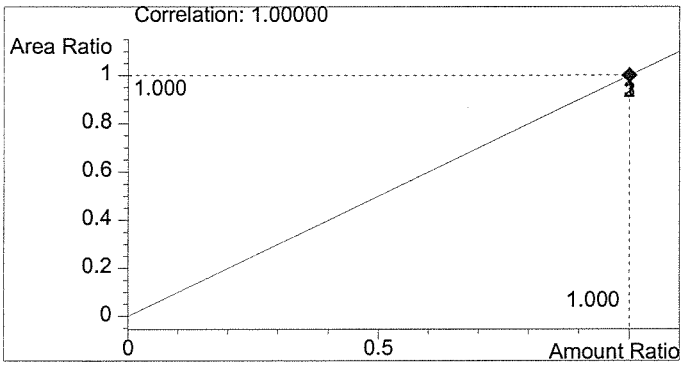
vial # 4



#	Compound	Area	RT
1	Ethanol	4930	1.040
2	n-Propanol	3581	1.699
Totals:			



Ethanol 0.316 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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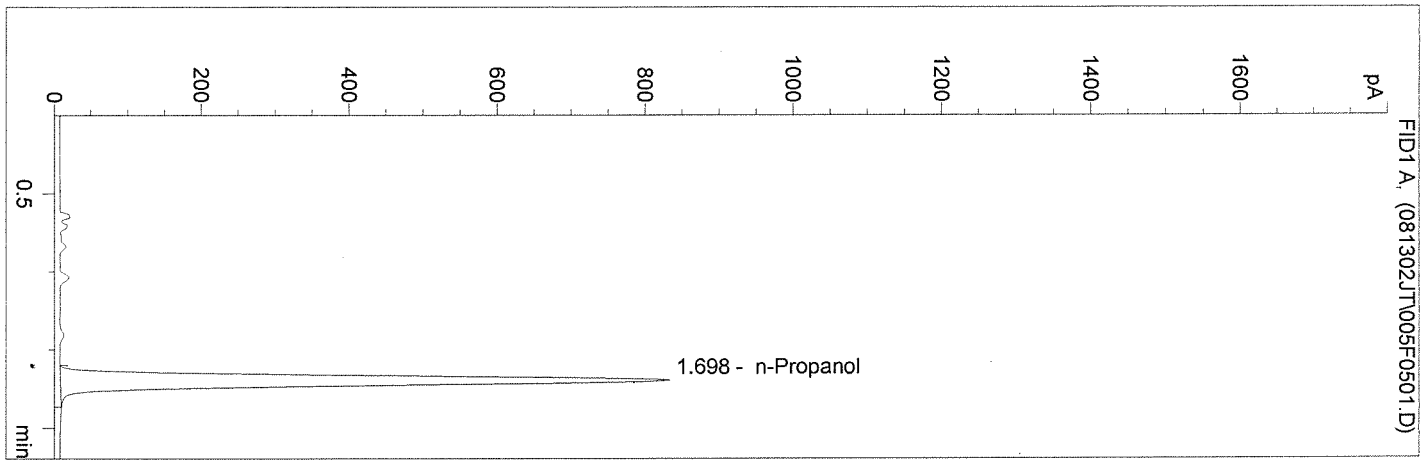
8/13/02 12:35:42 PM
Instrument 1
DB-ALC1

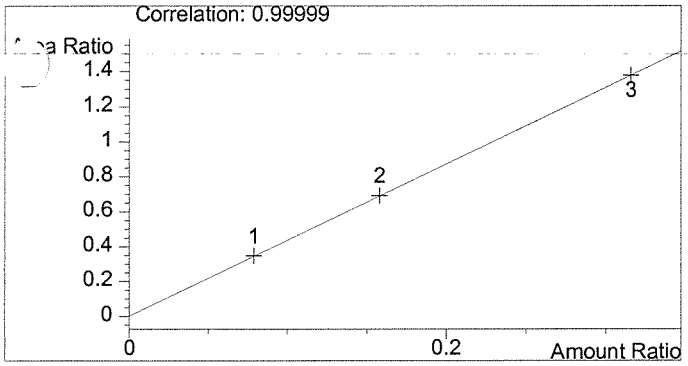
BLANK
JAYNE THATCHER

vial # 5

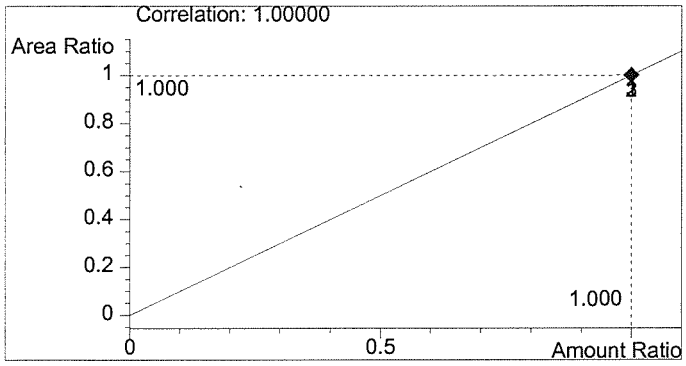


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3474	1.698

Totals:



Ethanol 0.000 g/100ml



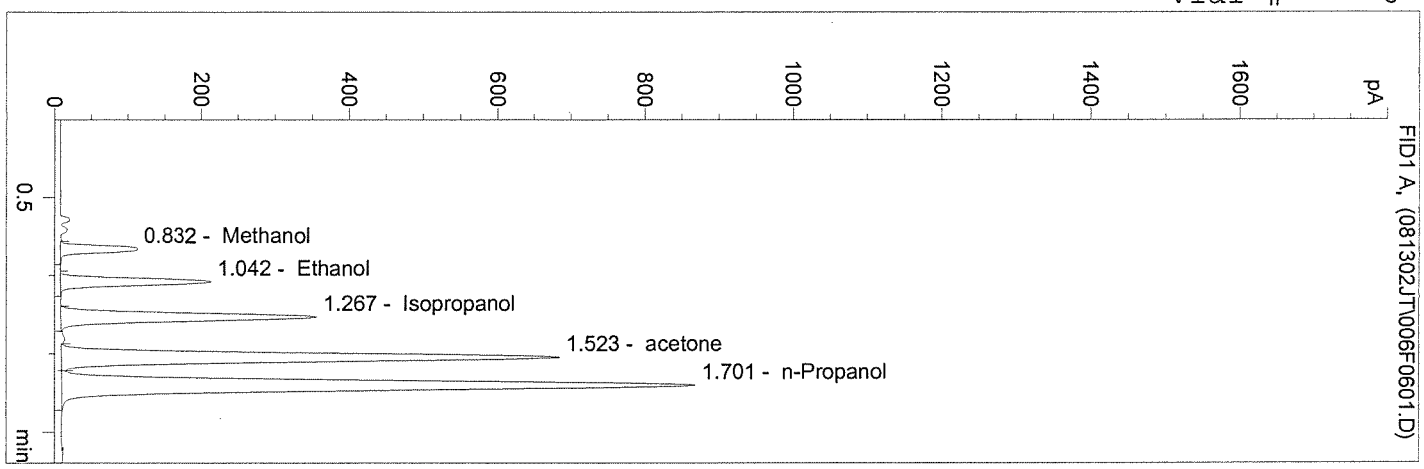
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\VOL.M
8/13/02 12:38:49 PM
Instrument 1
DB-ALC1

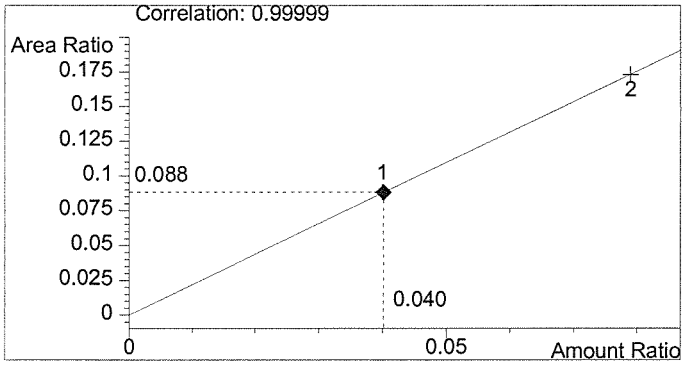
0.04 MIX
JAYNE THATCHER

vial # 6

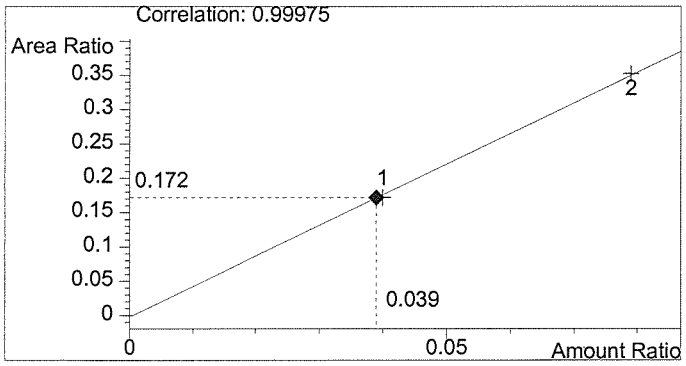


#	Compound	Area	RT
1	Methanol	317	0.832
2	Ethanol	617	1.042
3	Isopropanol	1182	1.267
4	acetone	2490	1.523
5	n-Propanol	3595	1.701

Totals:

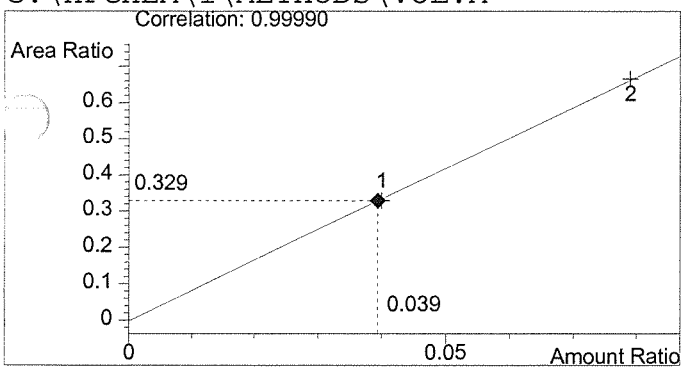


Methanol 0.040 g/100ml

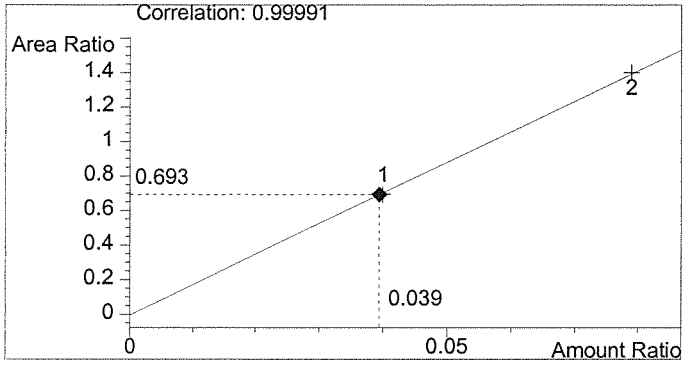


Ethanol 0.039 g/100ml

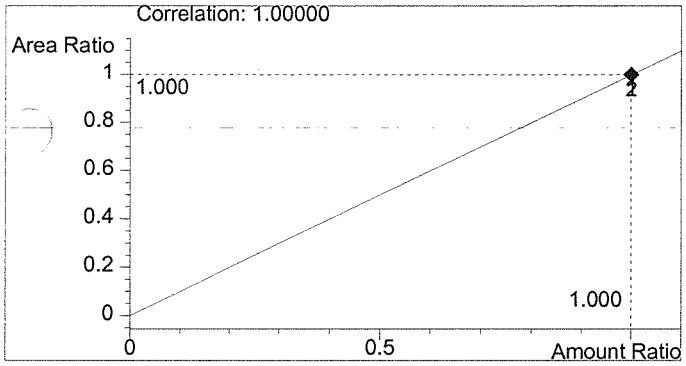
C:\HPCHEM\1\METHODS\VOL.M



Isopropanol 0.039 g/100ml



acetone 0.039 g/100ml



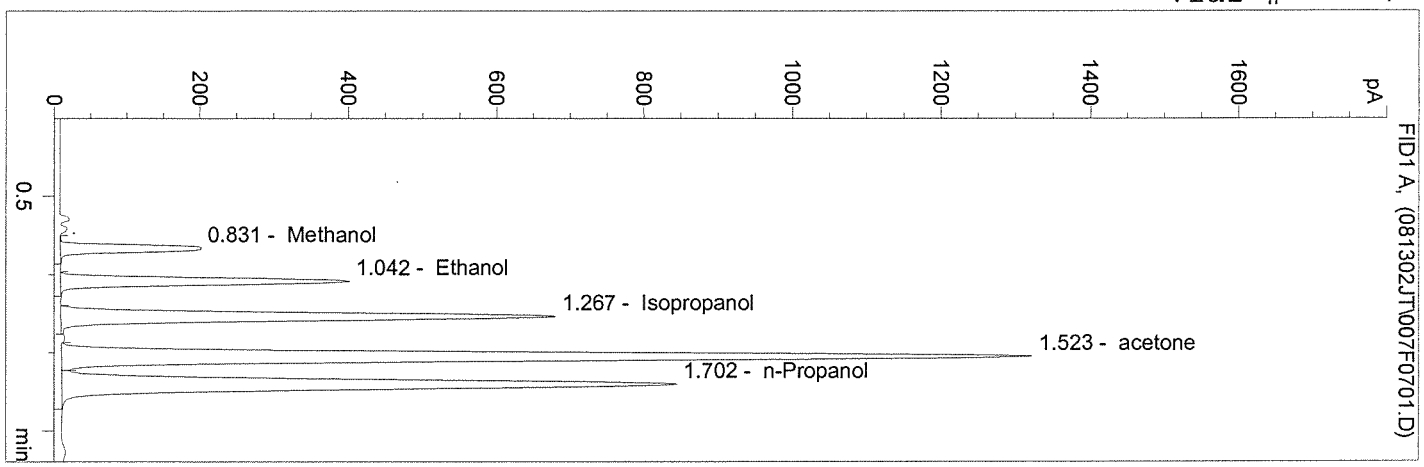
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\VOL.M
8/13/02 12:41:51 PM
Instrument 1
DB-ALC1

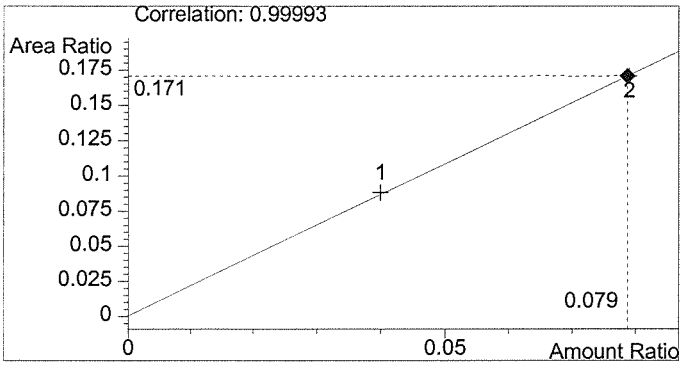
0.08 MIX
JAYNE THATCHER

vial # 7

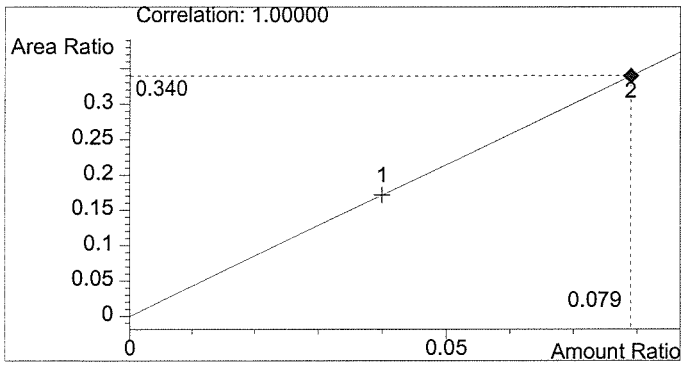


#	Compound	Area	RT
1	Methanol	599	0.831
2	Ethanol	1191	1.042
3	Isopropanol	2306	1.267
4	acetone	4872	1.523
5	n-Propanol	3505	1.702

Totals:



Methanol 0.079 g/100ml



Ethanol 0.079 g/100ml

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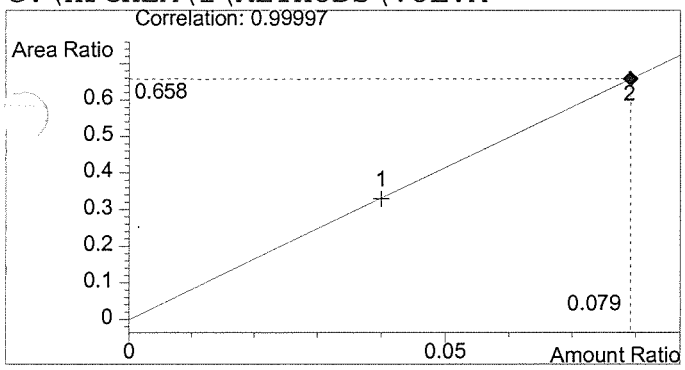
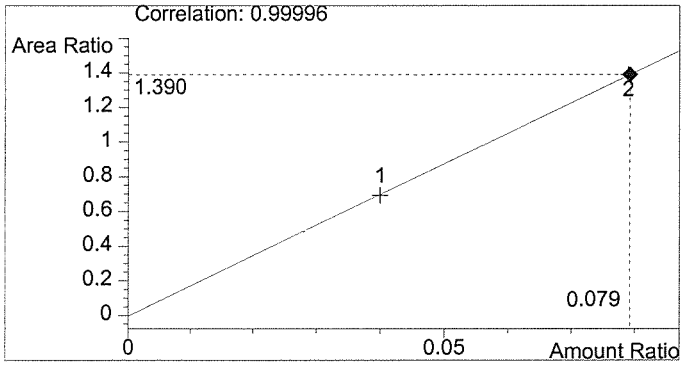
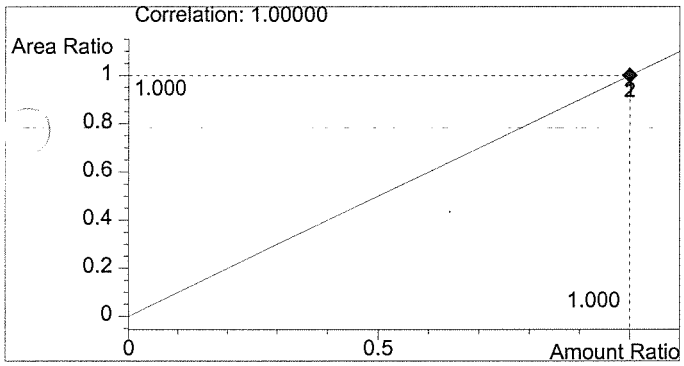


Isopropanol 0.079 g/100ml



acetone 0.079 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
DB-ALC1

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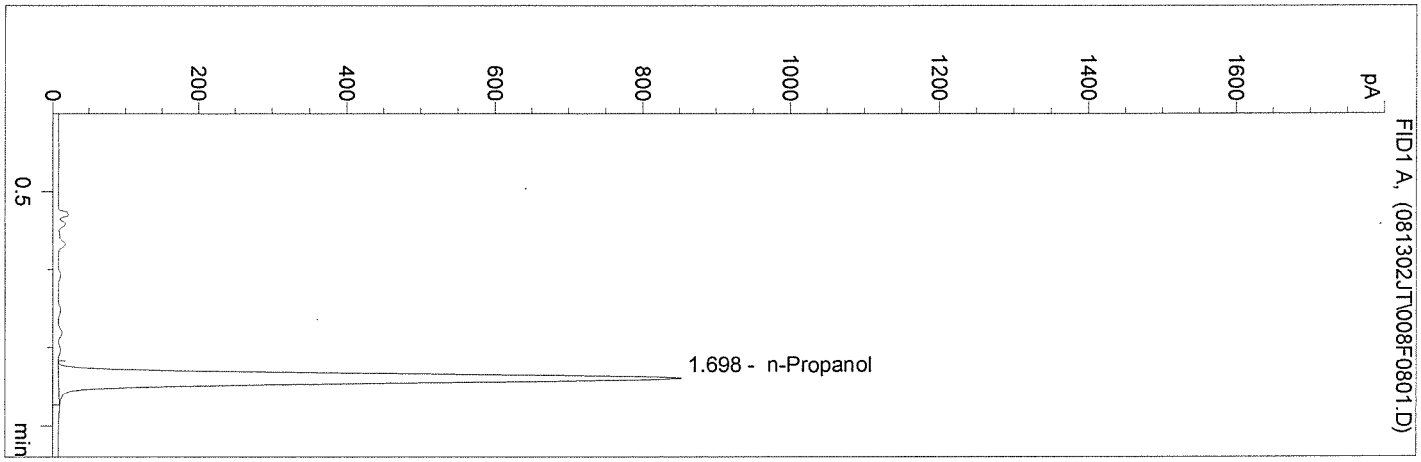
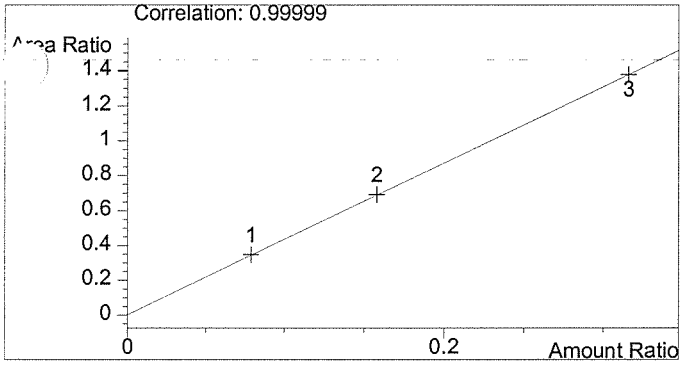
JAYNE THATCHER

vial # 8

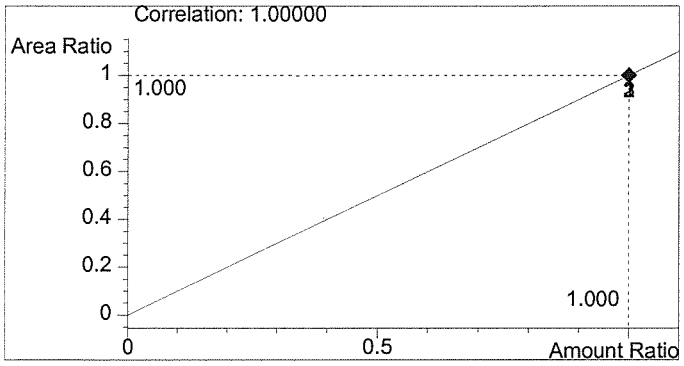


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3554	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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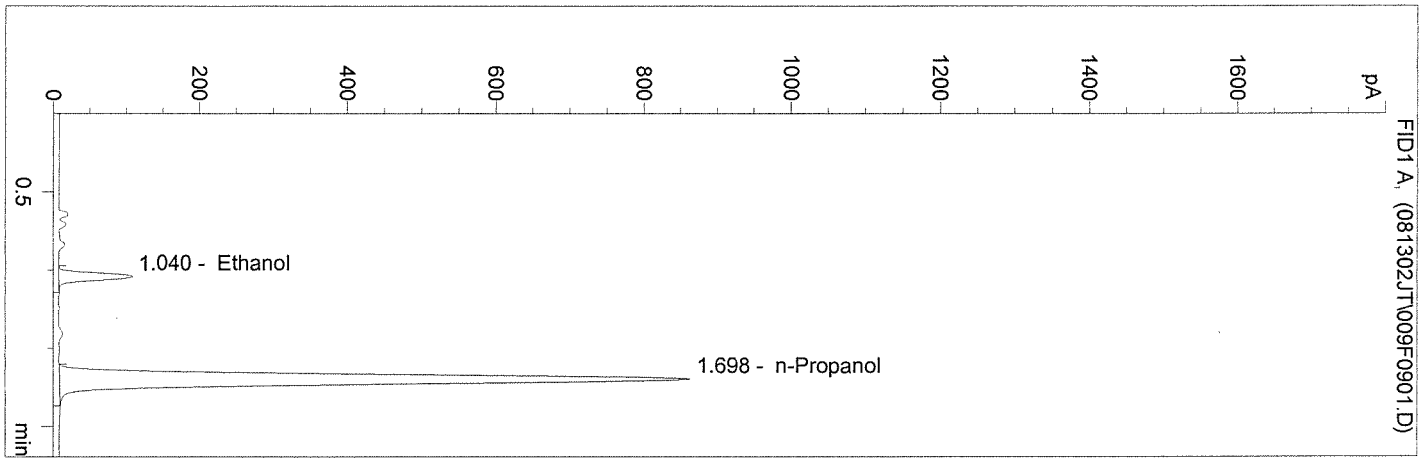
Instrument 1
DB-ALC1

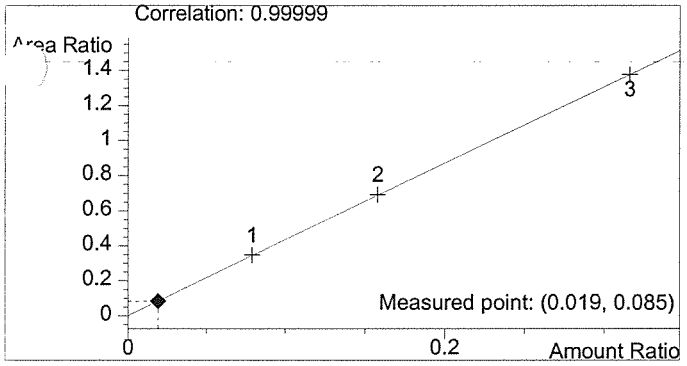
0.02 STD
JAYNE THATCHER

vial # 9

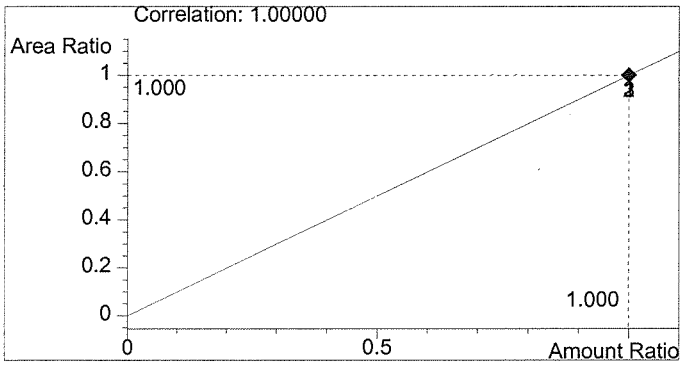


#	Compound	Area	RT
1	Ethanol	308	1.040
2	n-Propanol	3599	1.698

Totals:



Ethanol 0.019 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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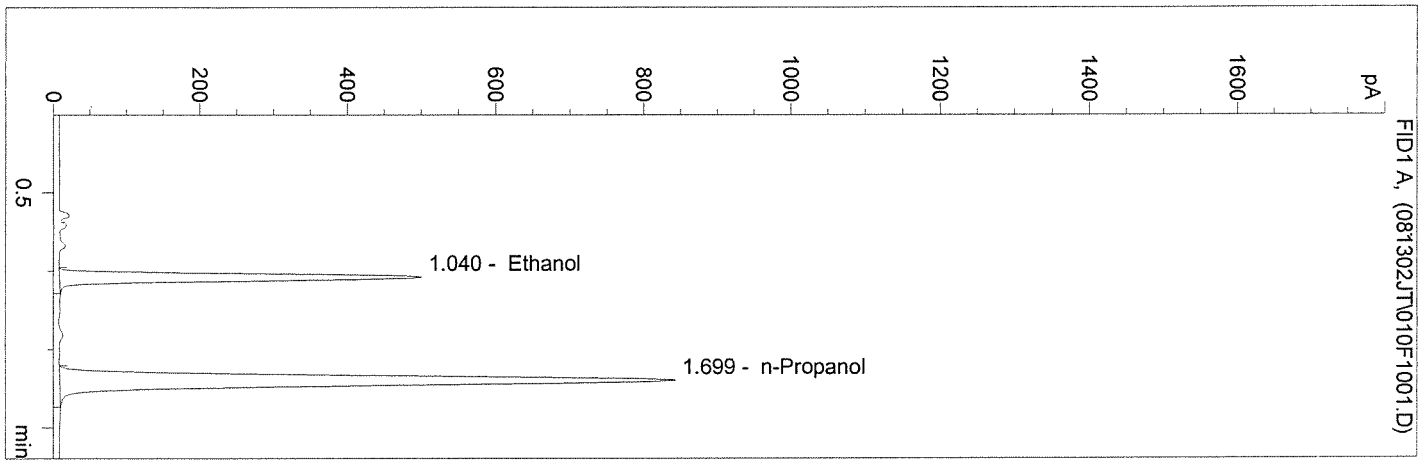
Instrument 1
DB-ALC1

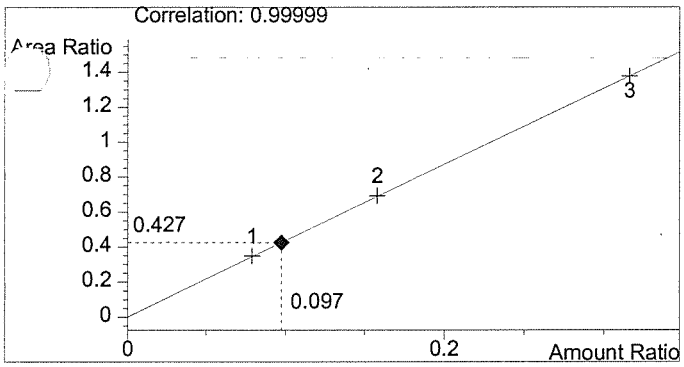
0.10 CONTROL
JAYNE THATCHER

vial # 10

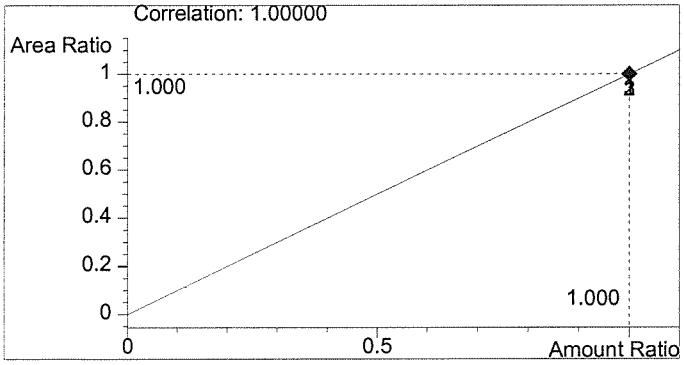


#	Compound	Area	RT
1	Ethanol	1502	1.040
2	n-Propanol	3519	1.699

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
DB-ALC1

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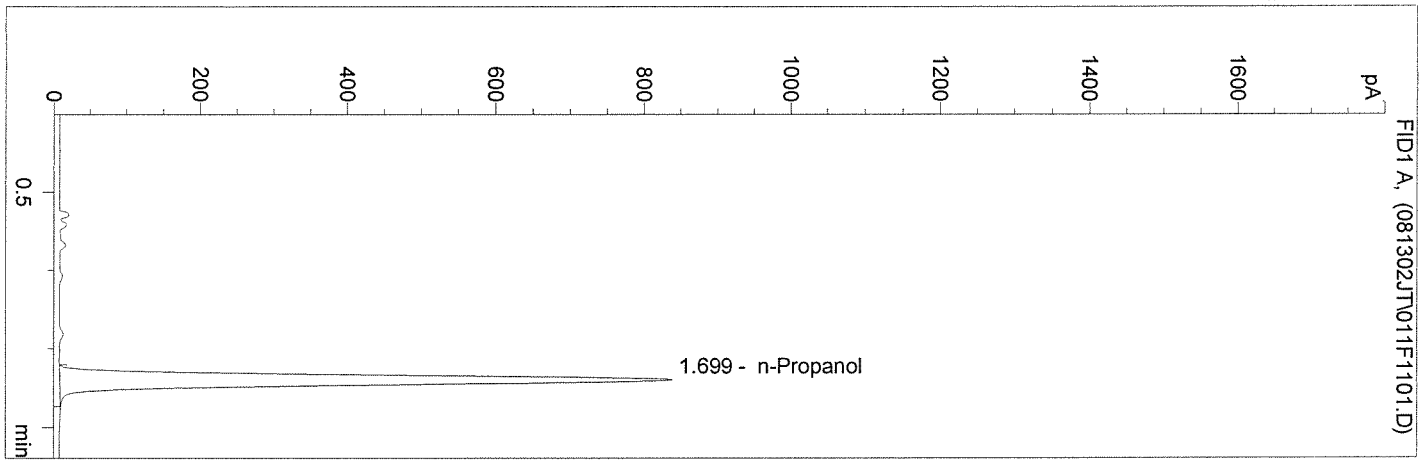
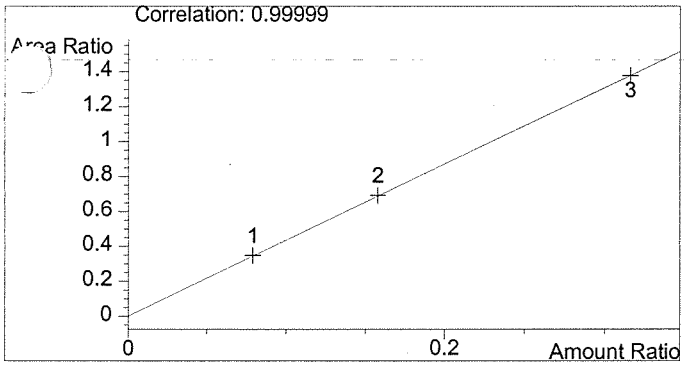
JAYNE THATCHER

vial # 11

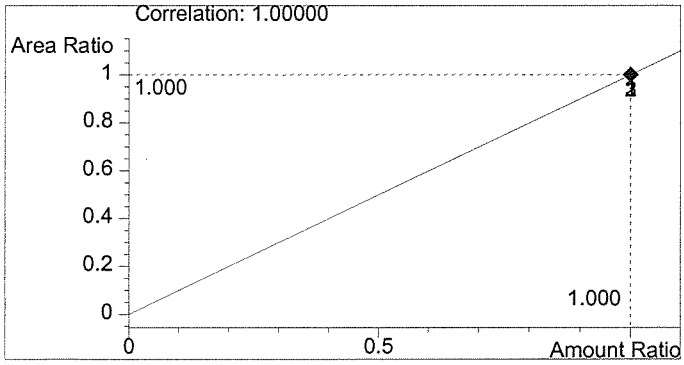


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3499	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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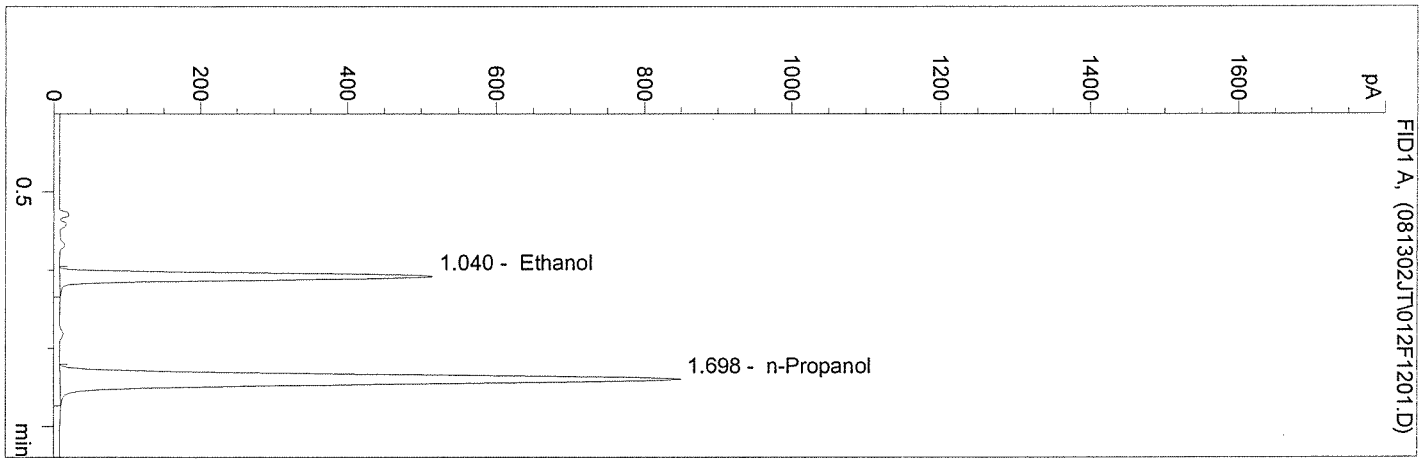
Instrument 1
DB-ALC1

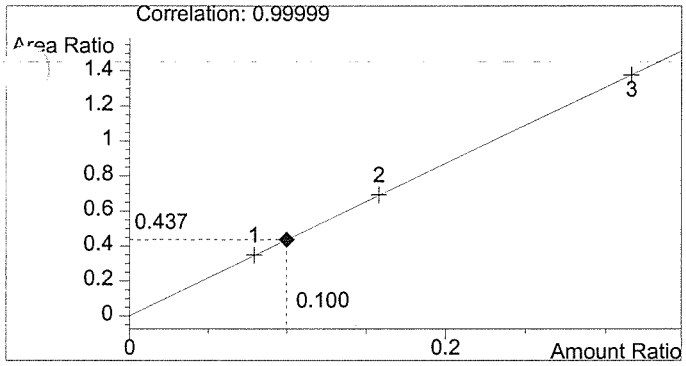
SIM SOLN 02029-1
JAYNE THATCHER

vial # 12

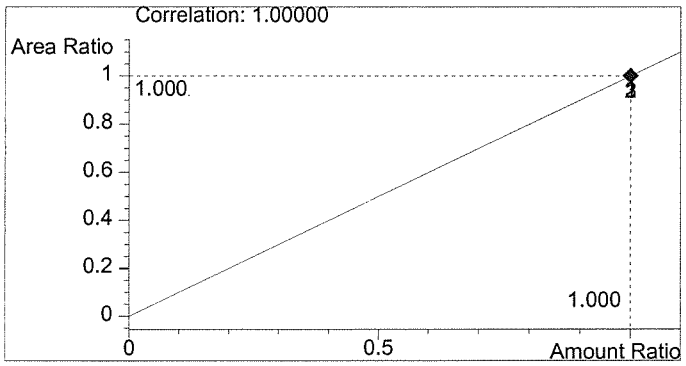


#	Compound	Area	RT
1	Ethanol	1551	1.040
2	n-Propanol	3549	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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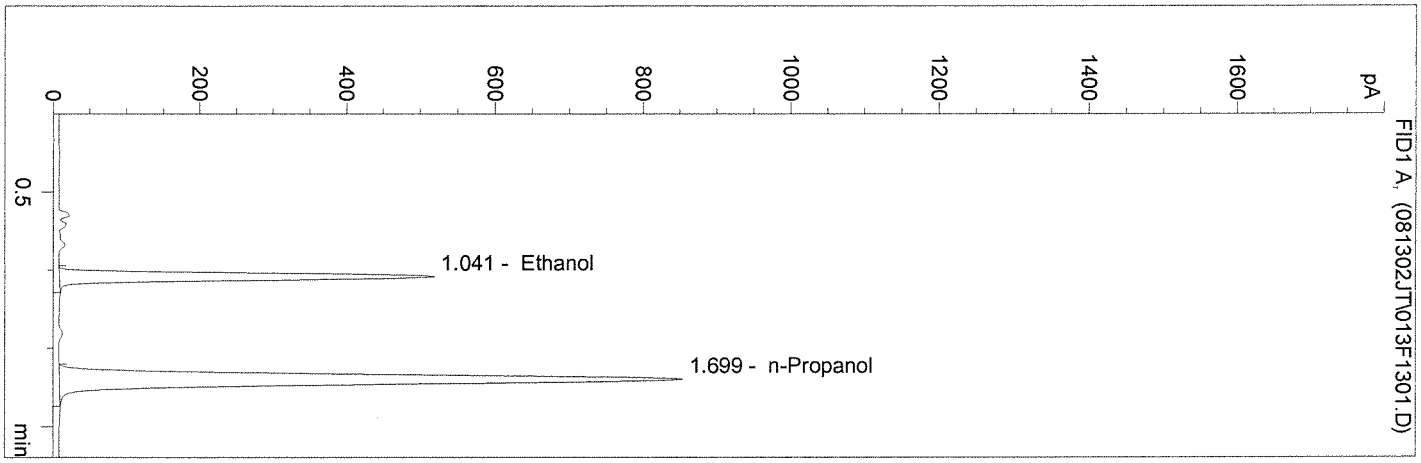
Instrument 1
DB-ALC1

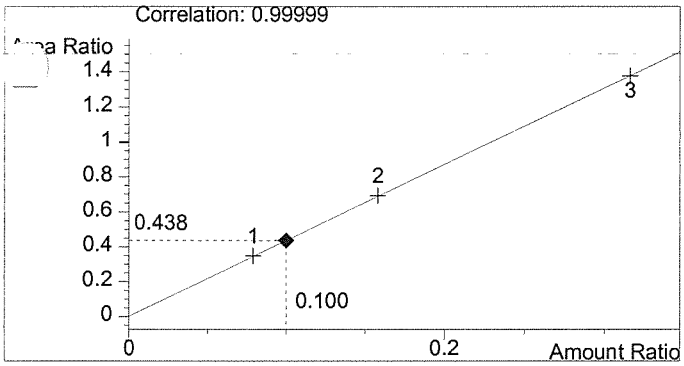
SIM SOLN 02029-2
JAYNE THATCHER

vial # 13

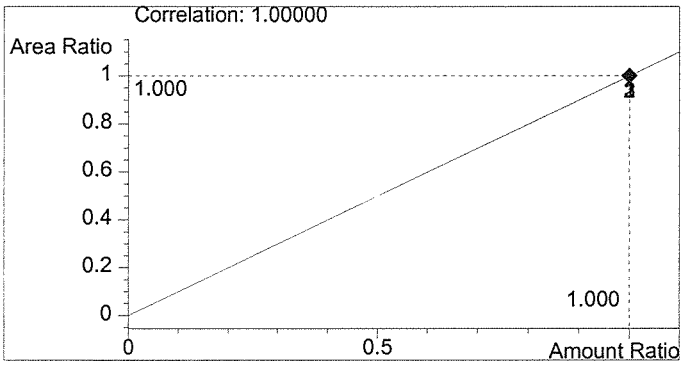


#	Compound	Area	RT
1	Ethanol	1561	1.041
2	n-Propanol	3564	1.699

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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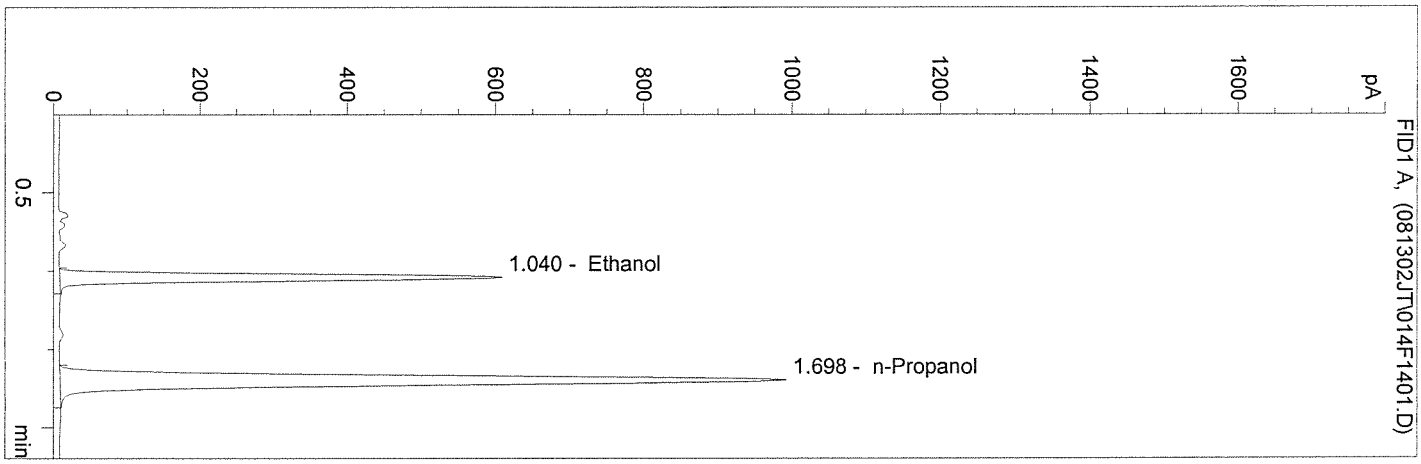
Instrument 1
DB-ALC1

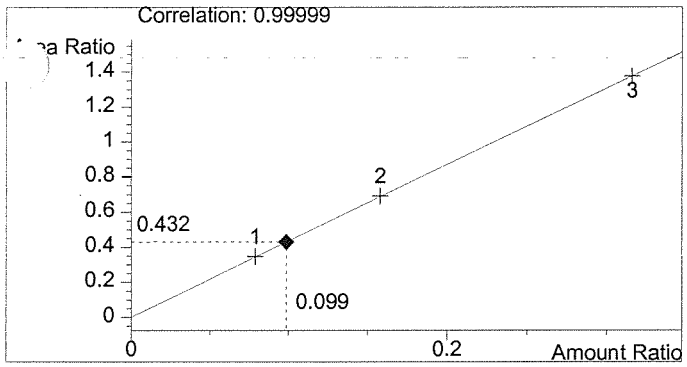
SIM SOLN 02029-3
JAYNE THATCHER

vial # 14

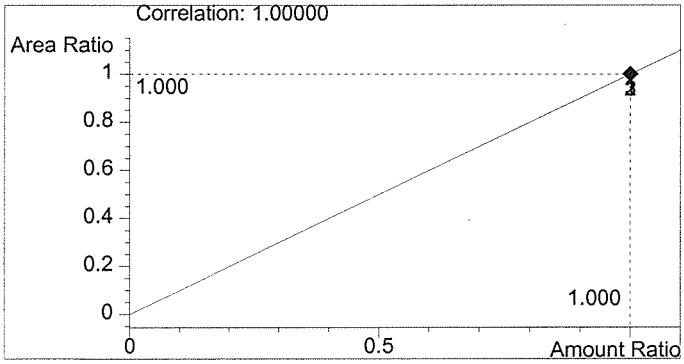


#	Compound	Area	RT
1	Ethanol	1778	1.040
2	n-Propanol	4110	1.698

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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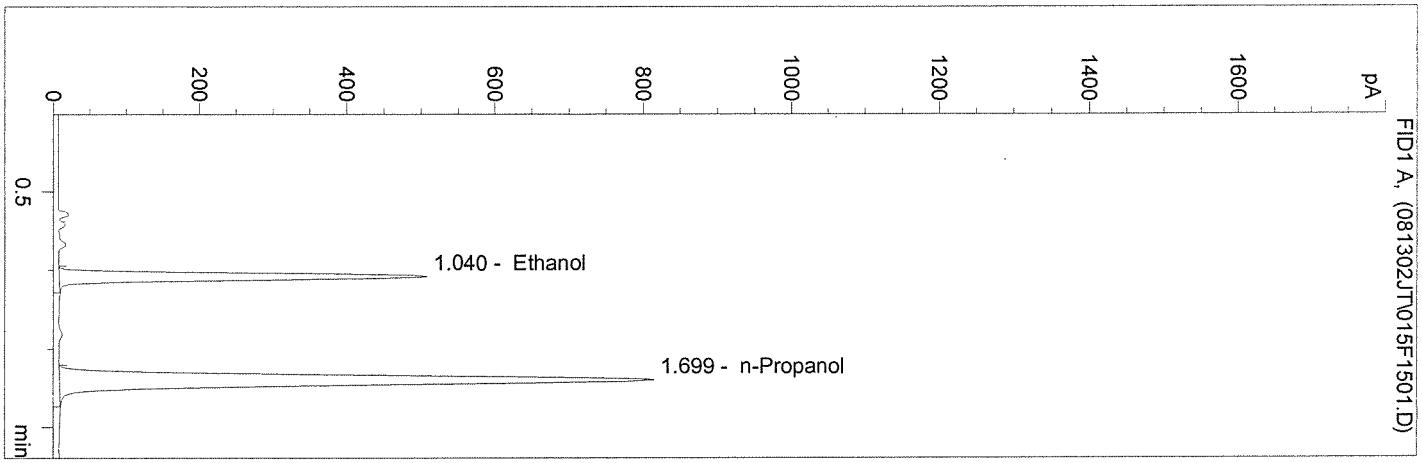
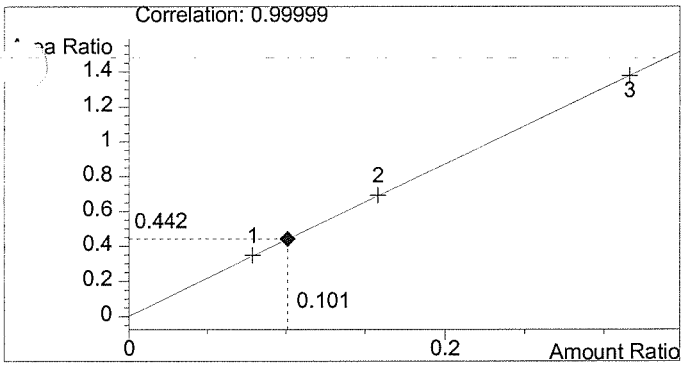
Instrument 1
DB-ALC1

SIM SOLN 02029-4
JAYNE THATCHER

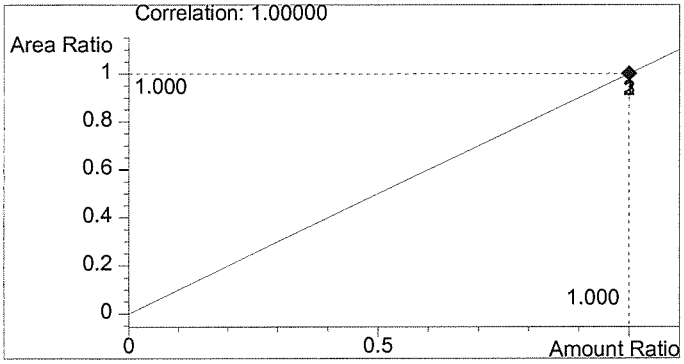
vial # 15



#	Compound	Area	RT
1	Ethanol	1488	1.040
2	n-Propanol	3363	1.699
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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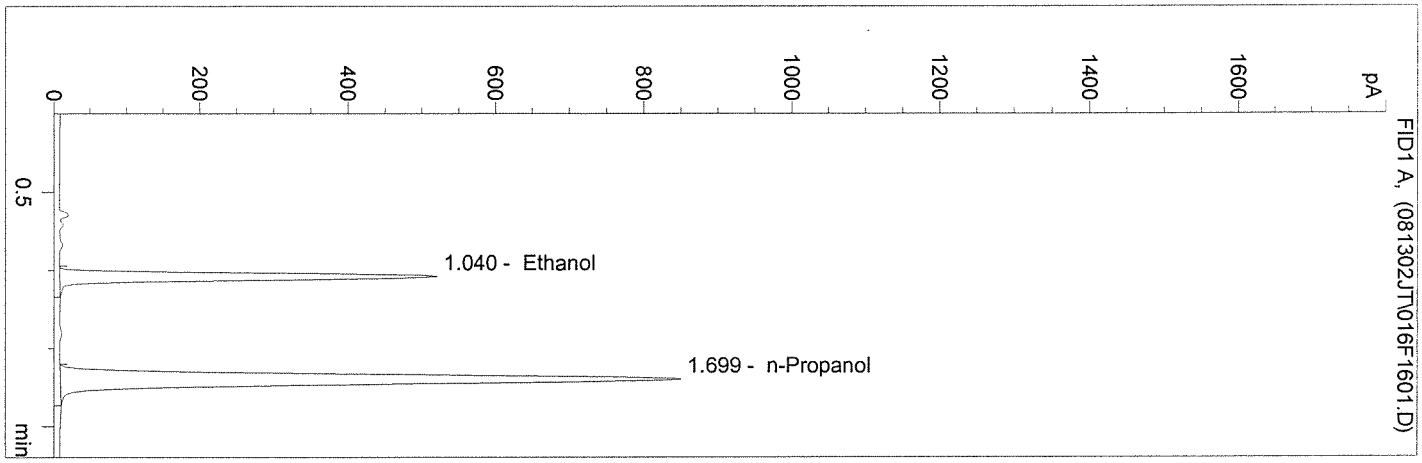
Instrument 1
DB-ALC1

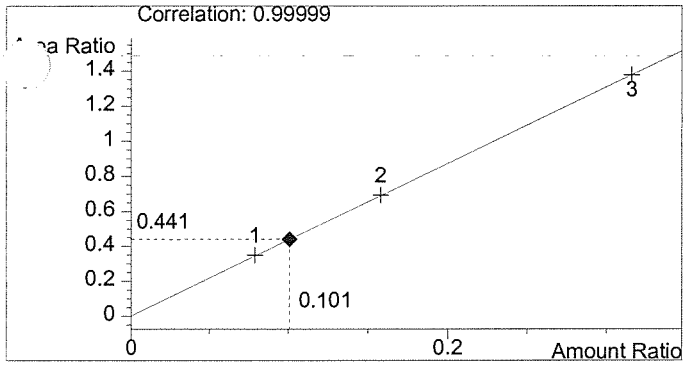
SIM SOLN 02029-5
JAYNE THATCHER

vial # 16

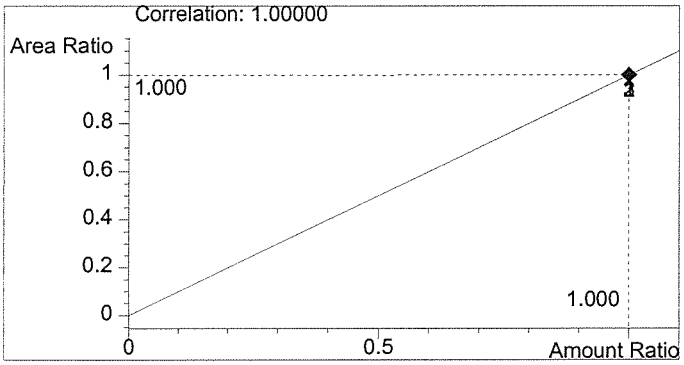


#	Compound	Area	RT
1	Ethanol	1564	1.040
2	n-Propanol	3545	1.699

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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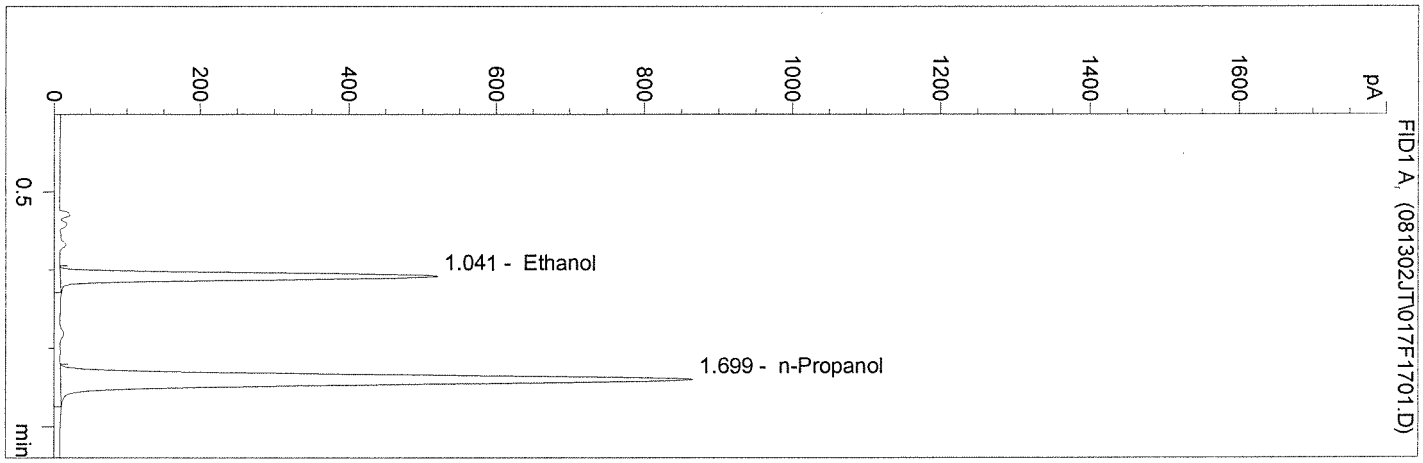
Instrument 1
DB-ALC1

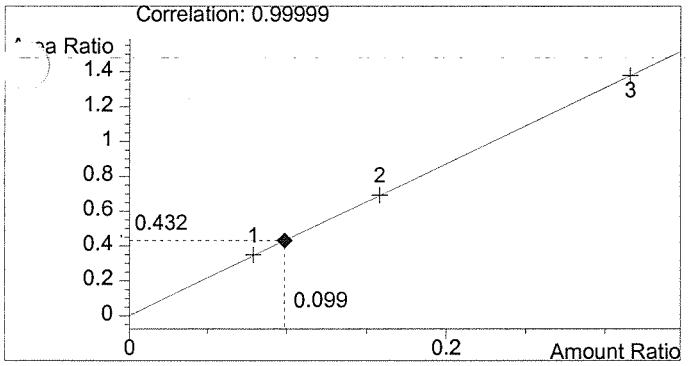
0.10 CONTROL
JAYNE THATCHER

vial # 17

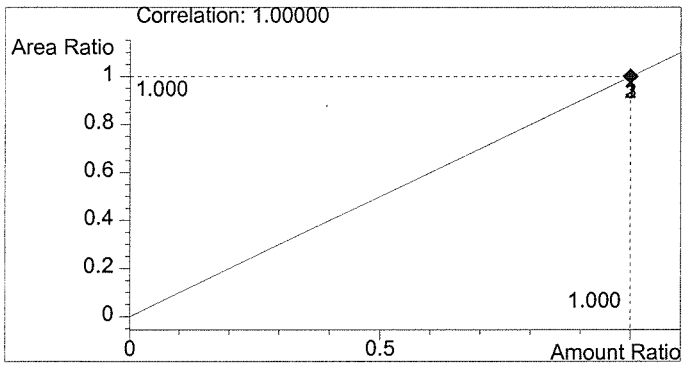


#	Compound	Area	RT
1	Ethanol	1561	1.041
2	n-Propanol	3613	1.699

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 1
DB-ALC1

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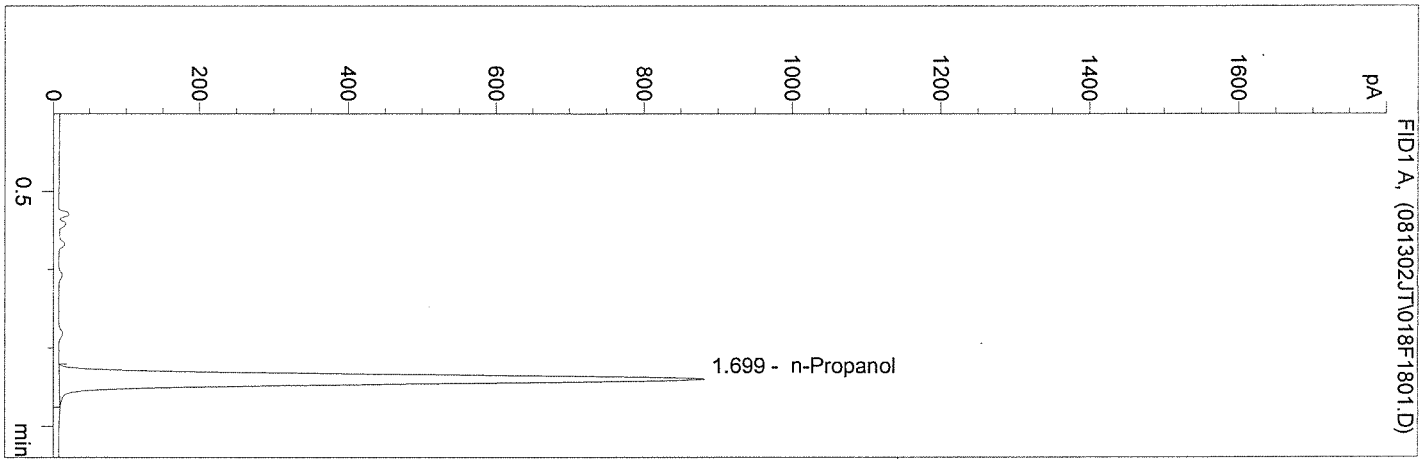
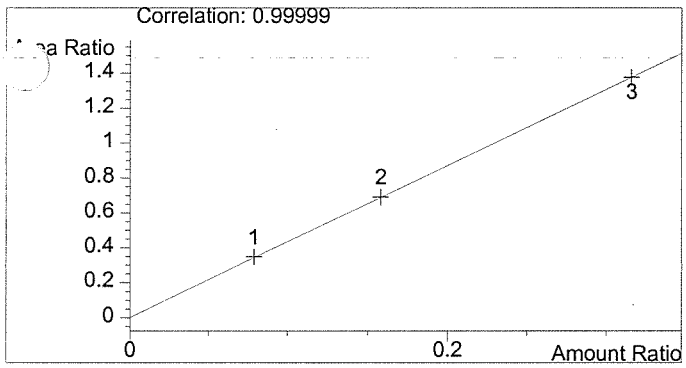
JAYNE THATCHER

vial # 18

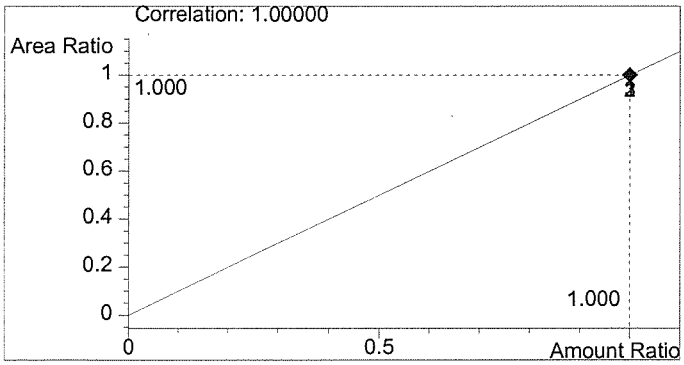


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3670	1.699

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

Calibrators with st024784

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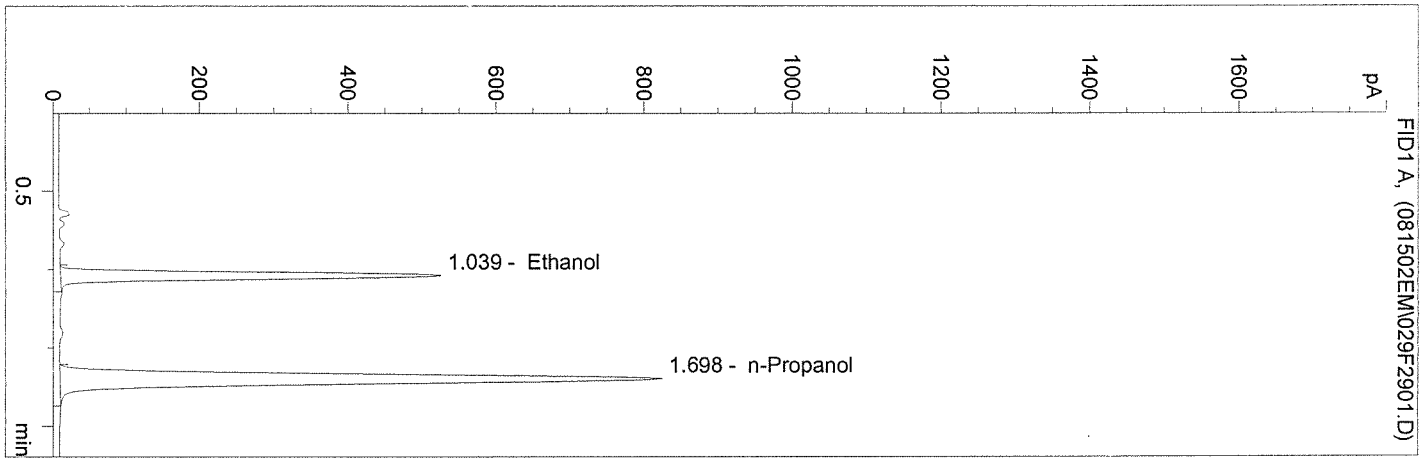
Instrument 1
DB-ALC1

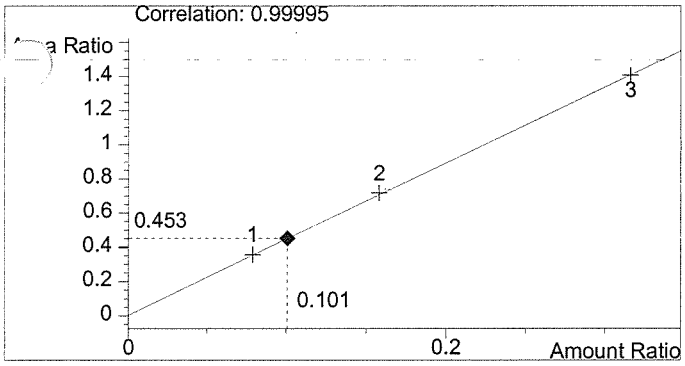
Sim. Sol. 02029
Estuardo J. Miranda

vial # 29

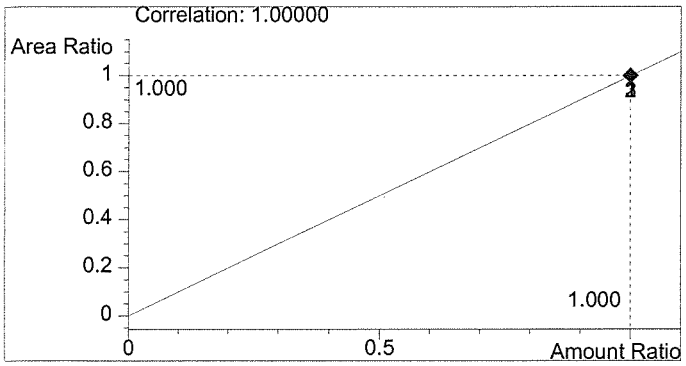


#	Compound	Area	RT
1	Ethanol	1547	1.039
2	n-Propanol	3418	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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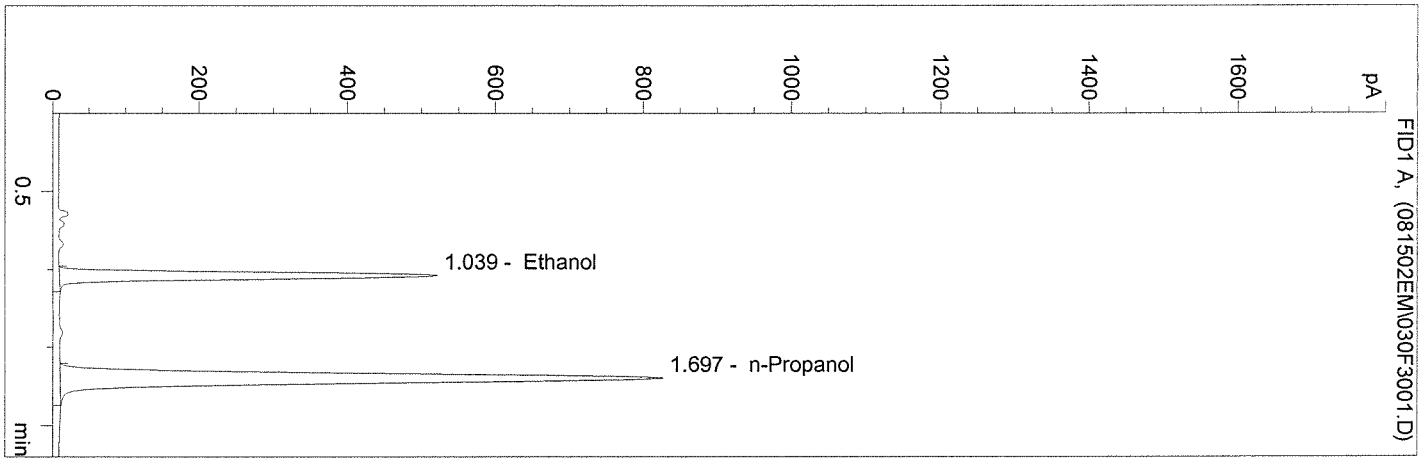
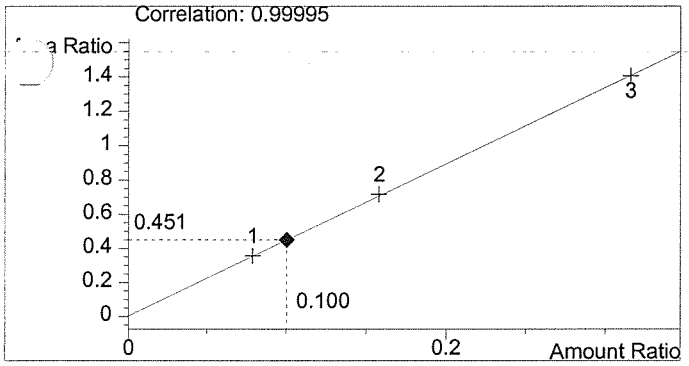
Instrument 1
DB-ALC1

Sim. Sol. 02029
Estuardo J. Miranda

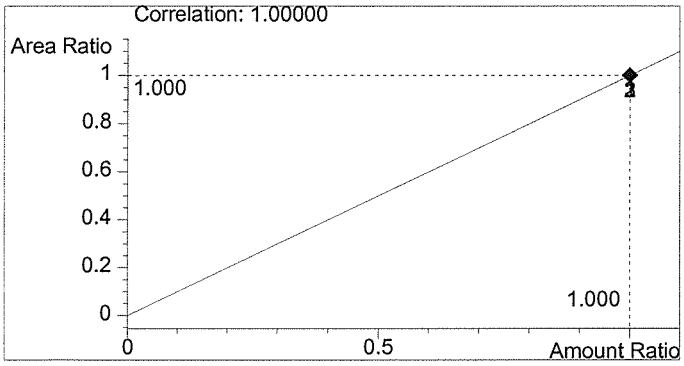
vial # 30



#	Compound	Area	RT
1	Ethanol	1548	1.039
2	n-Propanol	3431	1.697
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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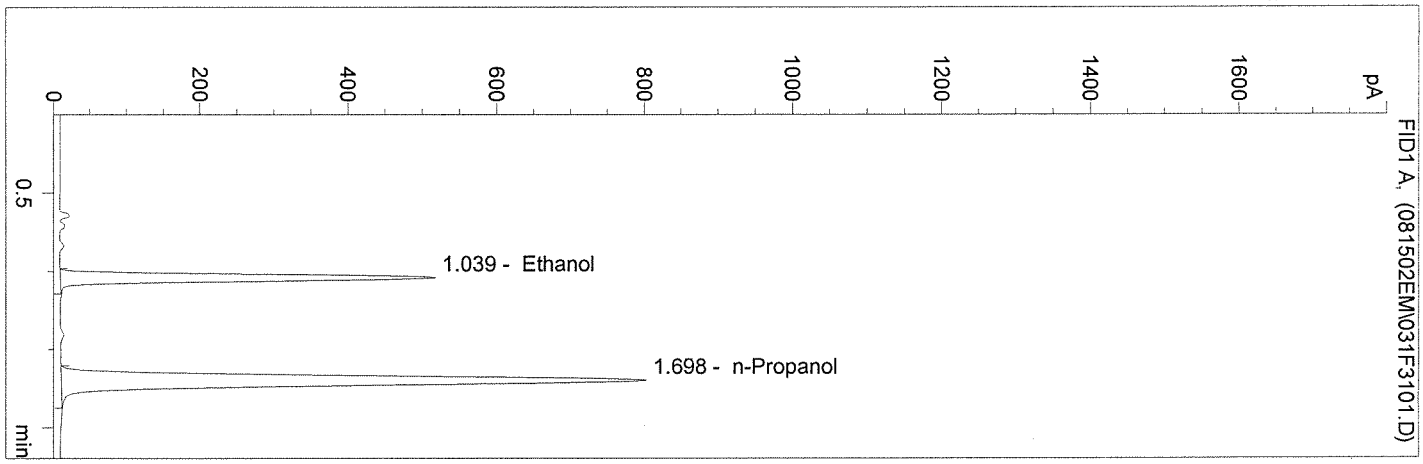
Instrument 1
DB-ALC1

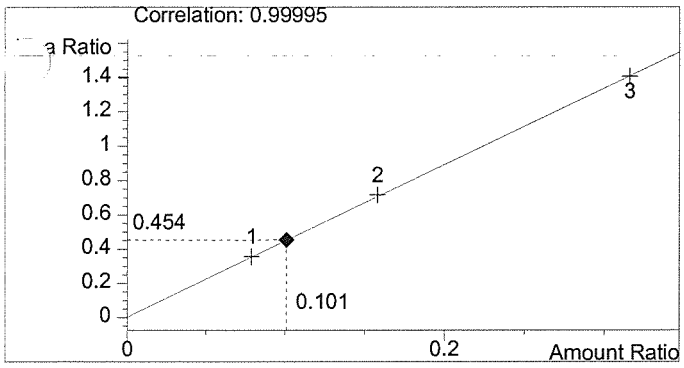
Sim. Sol. 02029
Estuardo J. Miranda

vial # 31

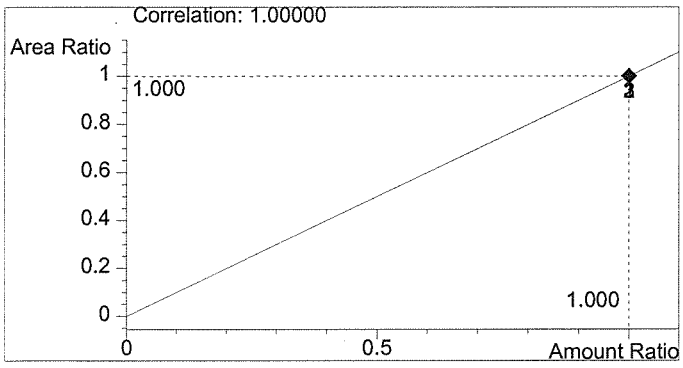


#	Compound	Area	RT
1	Ethanol	1500	1.039
2	n-Propanol	3303	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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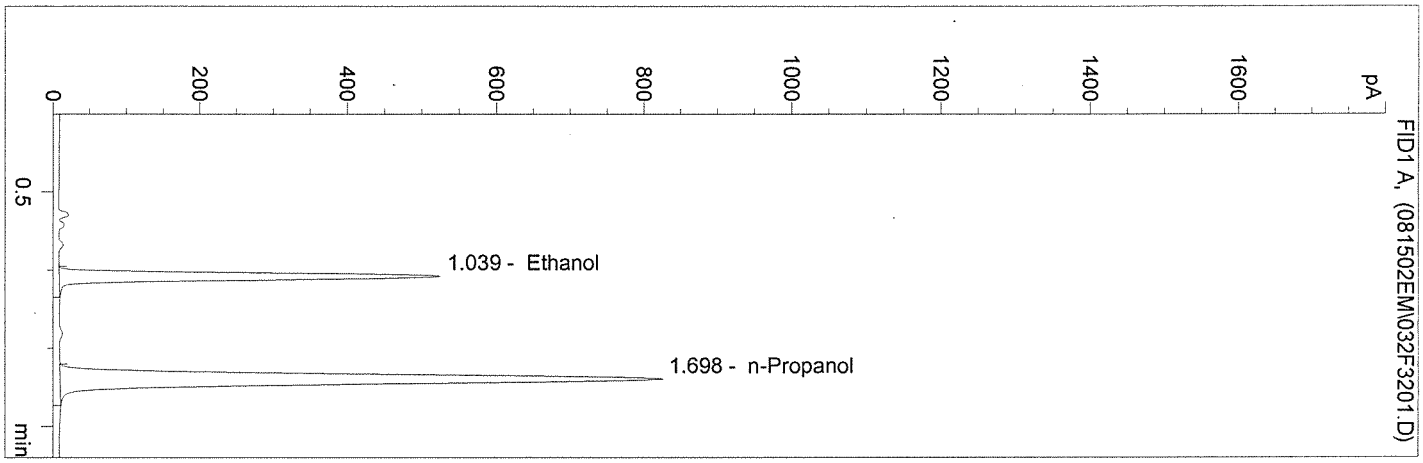
8/15/02 3:33:33 PM
Instrument 1
DB-ALC1

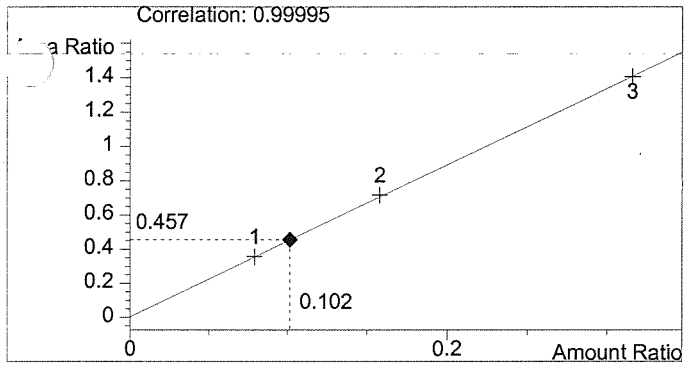
Sim. Sol. 02029
Estuardo J. Miranda

vial # 32

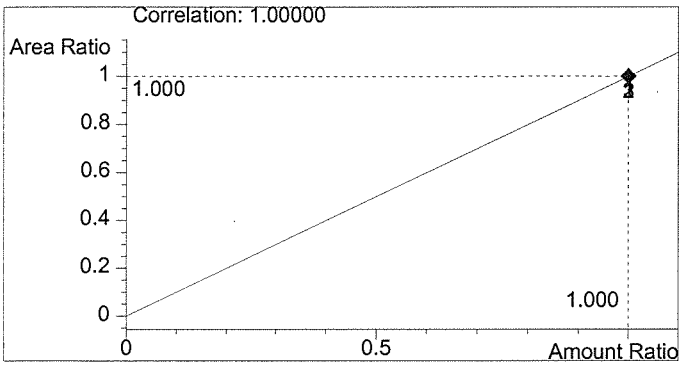


#	Compound	Area	RT
1	Ethanol	1567	1.039
2	n-Propanol	3432	1.698

Totals:



Ethanol 0.102 g/100ml



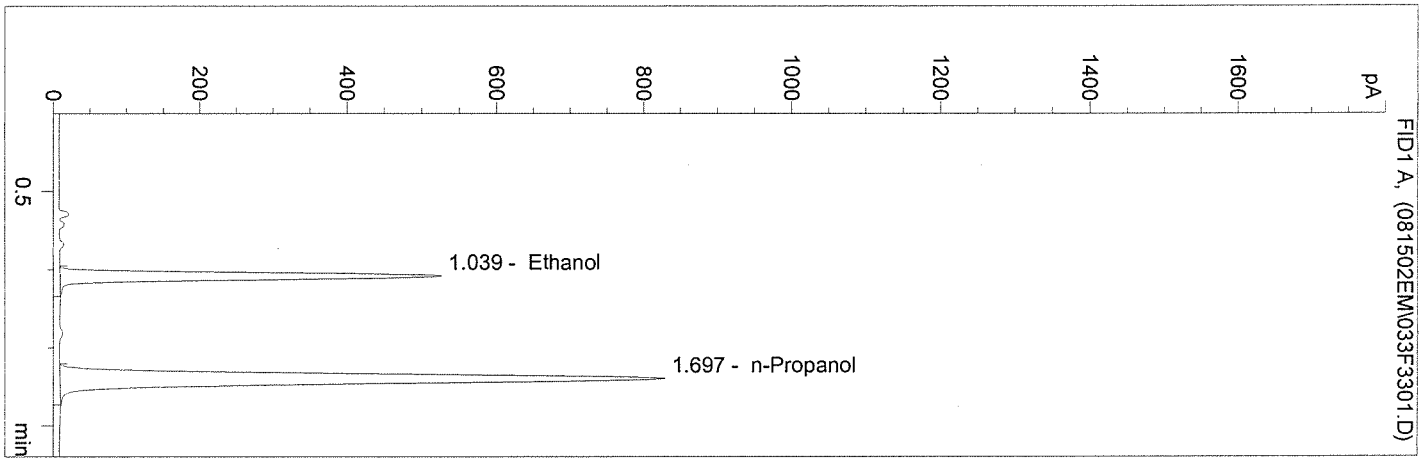
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/15/02 3:36:52 PM
Instrument 1
DB-ALC1

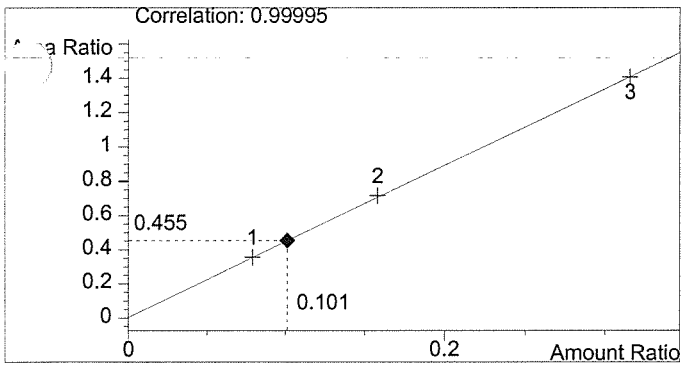
Sim. Sol. 02029
Estuardo J. Miranda

vial # 33

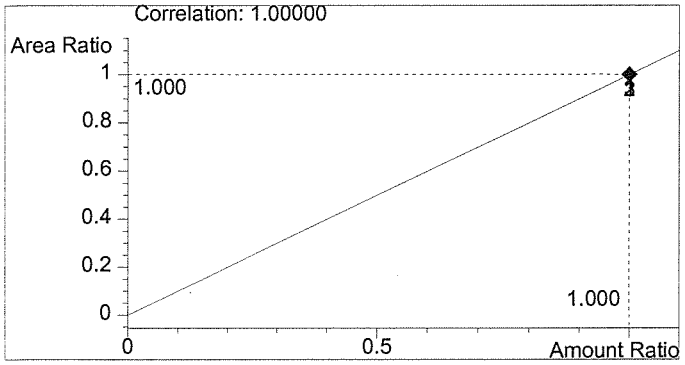


#	Compound	Area	RT
1	Ethanol	1569	1.039
2	n-Propanol	3449	1.697

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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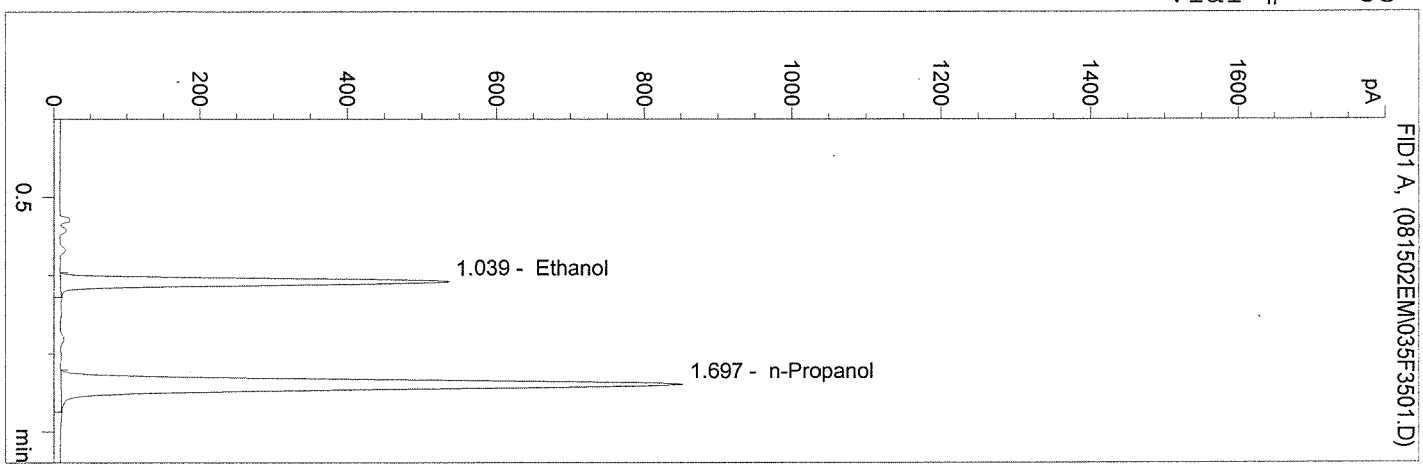
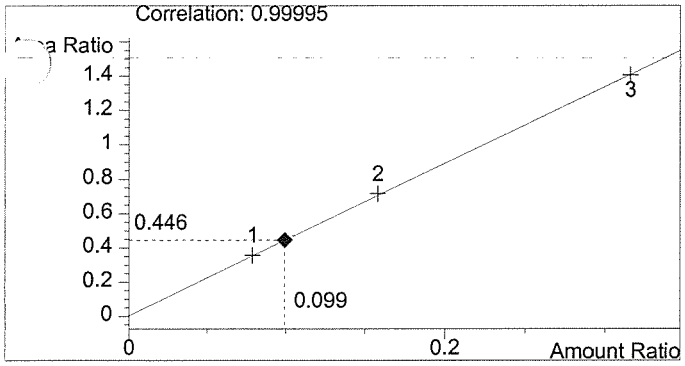
Instrument 1
DB-ALC1

0.100 Control
Estuardo J. Miranda

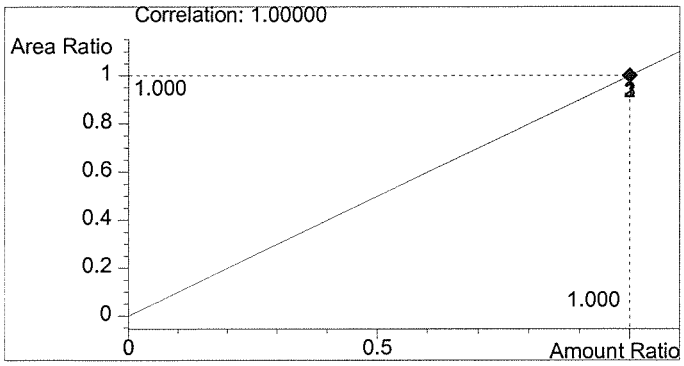
vial # 35



#	Compound	Area	RT
1	Ethanol	1575	1.039
2	n-Propanol	3530	1.697
Totals:			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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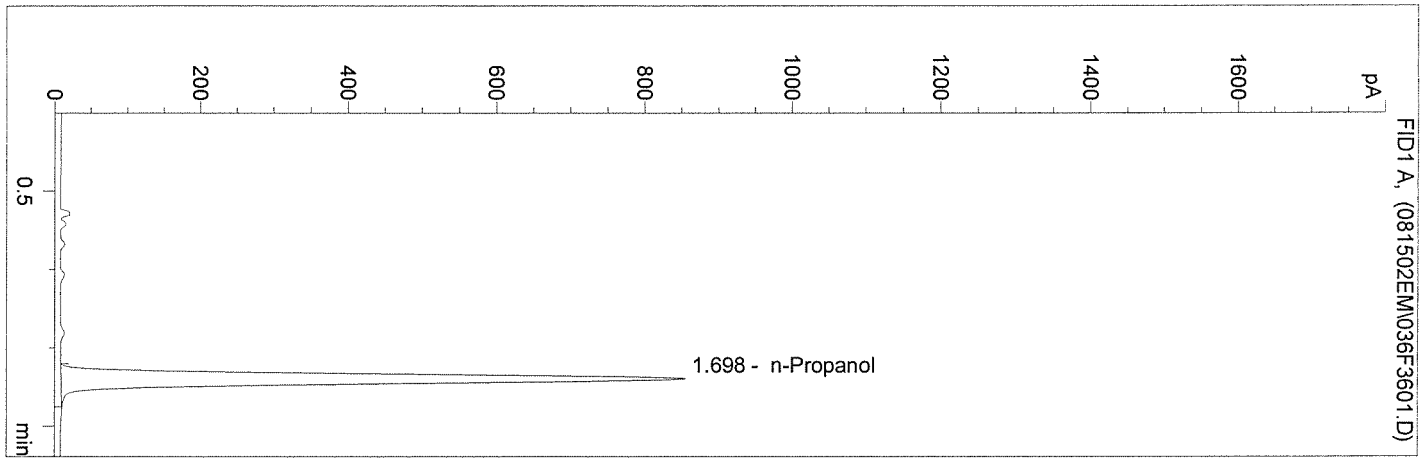
Instrument 1
DB-ALC1

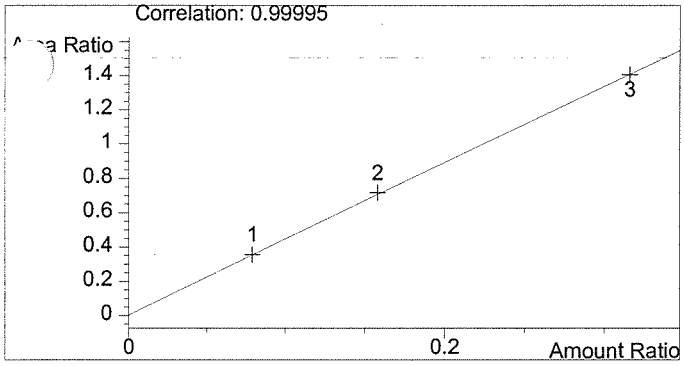
BLANK
Estuardo J. Miranda

vial # 36

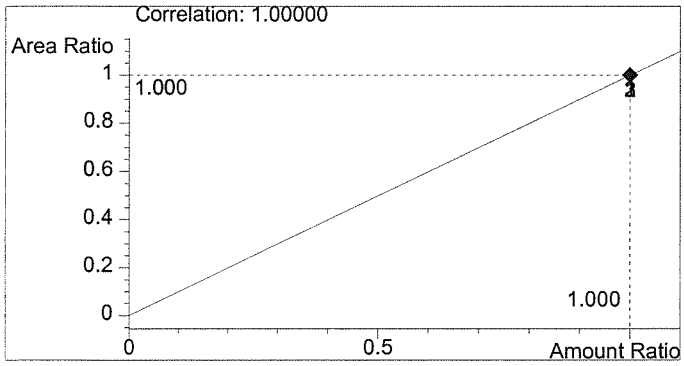


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3544	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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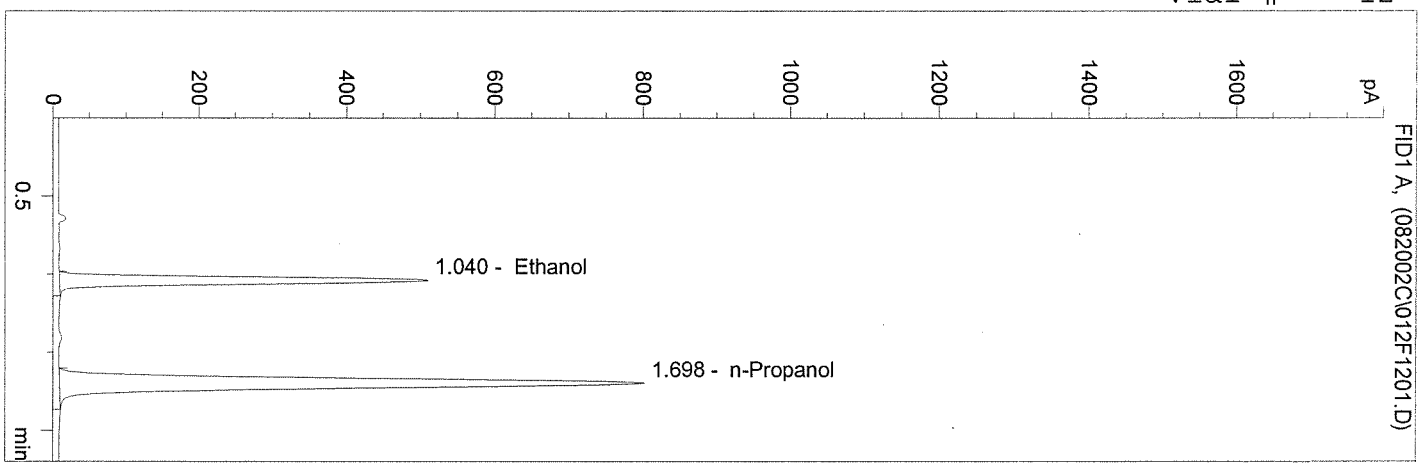
Instrument 1
DB-ALC1

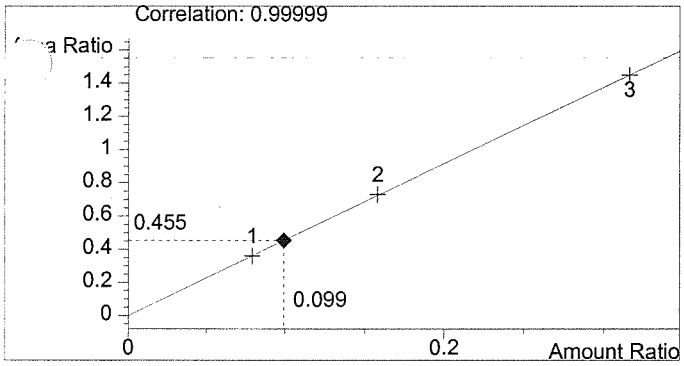
02029 SIM SOLN
m pemberton

vial # 12

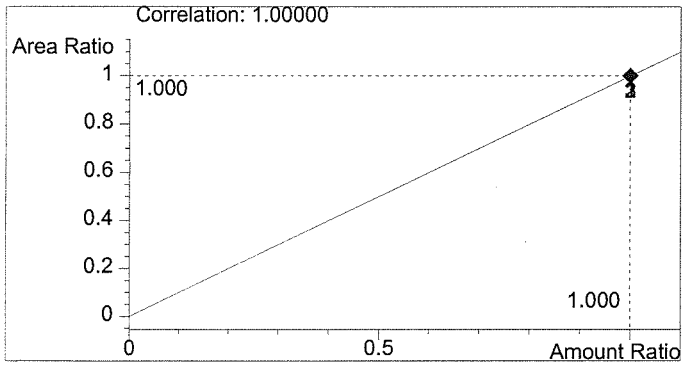


#	Compound	Area	RT
1	Ethanol	1524	1.040
2	n-Propanol	3346	1.698

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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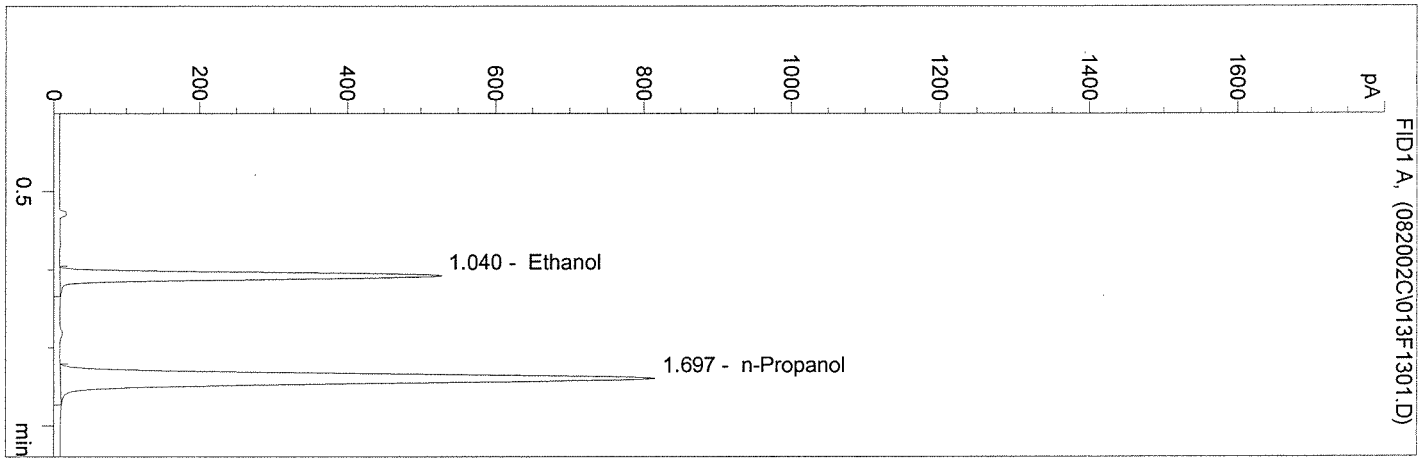
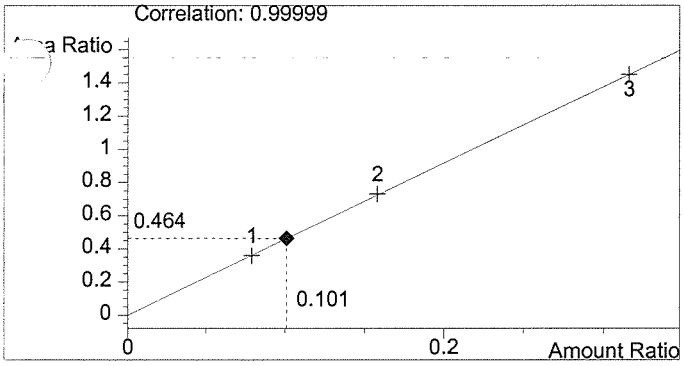
Instrument 1
DB-ALC1

02029 SIM SOLN
m pemberton

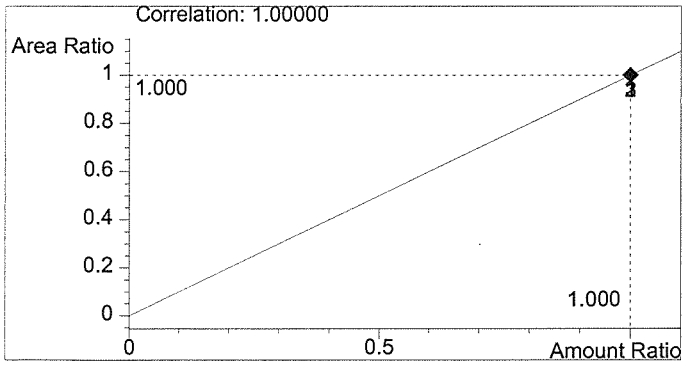
vial # 13



#	Compound	Area	RT
1	Ethanol	1573	1.040
2	n-Propanol	3394	1.697
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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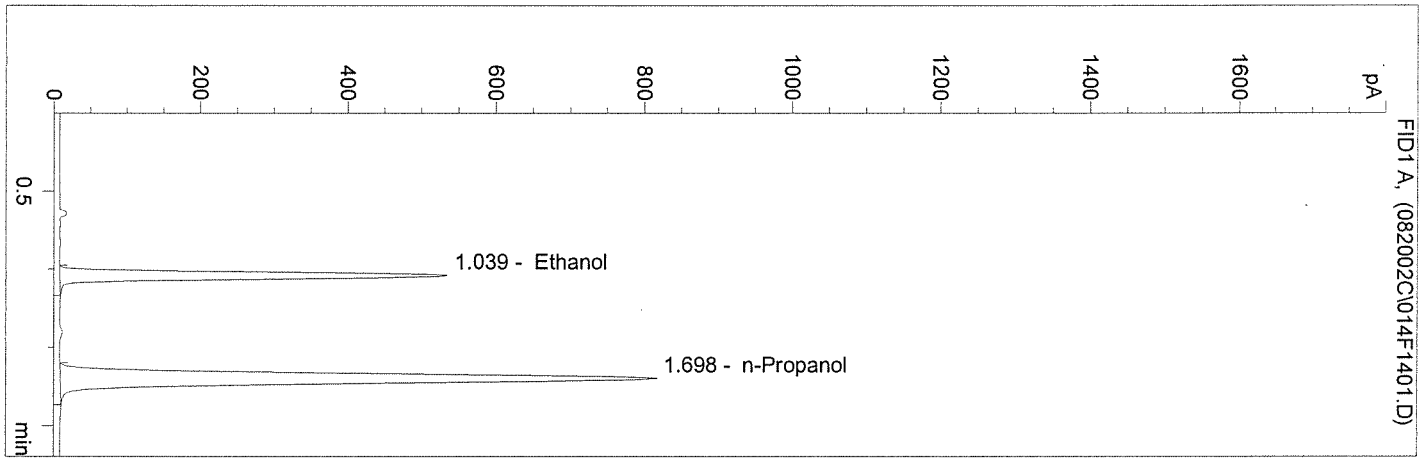
8/20/02 9:14:35 AM
Instrument 1
DB-ALC1

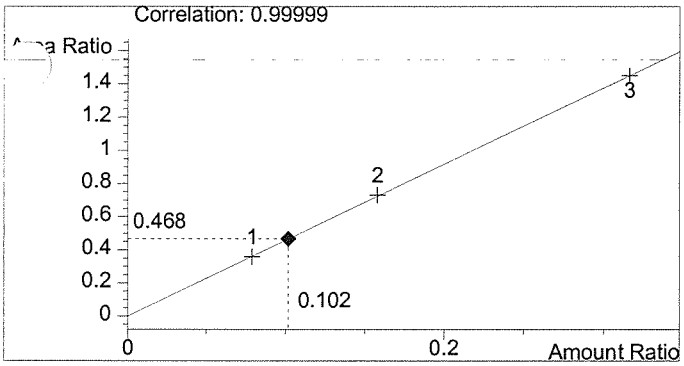
02029 SIM SOLN
m pemberton

vial # 14

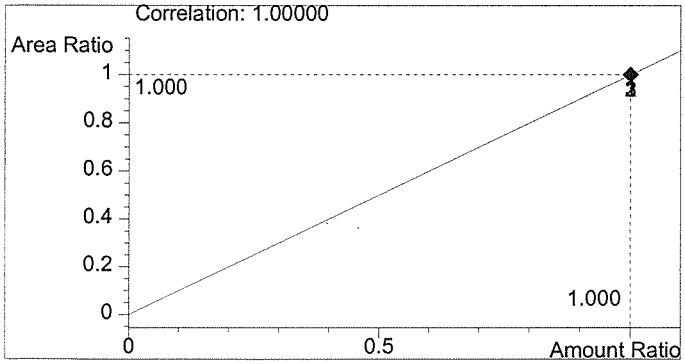


#	Compound	Area	RT
1	Ethanol	1583	1.039
2	n-Propanol	3386	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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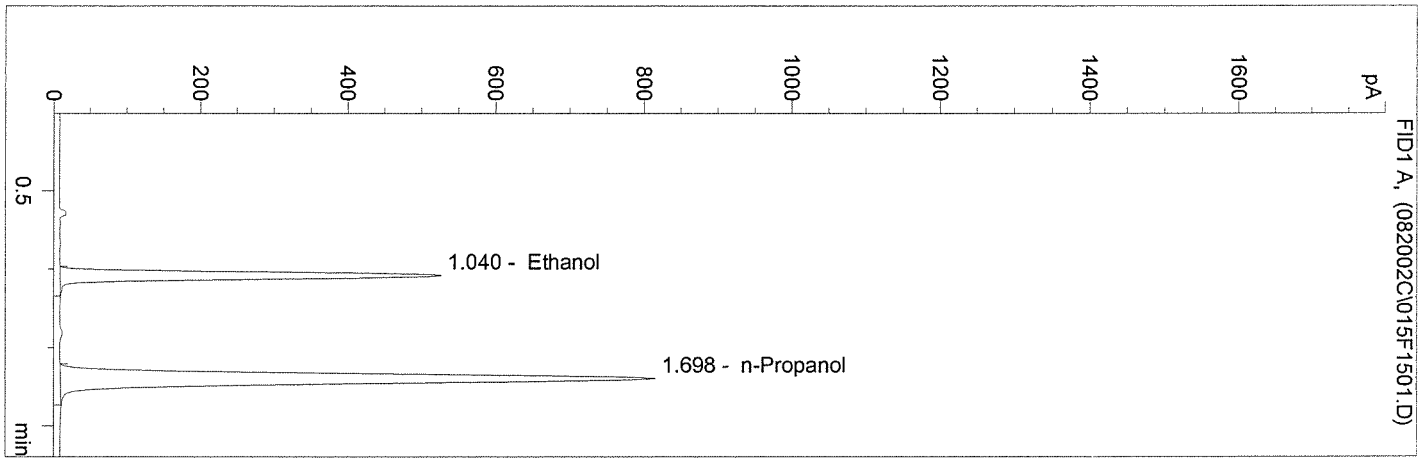
Instrument 1
DB-ALC1

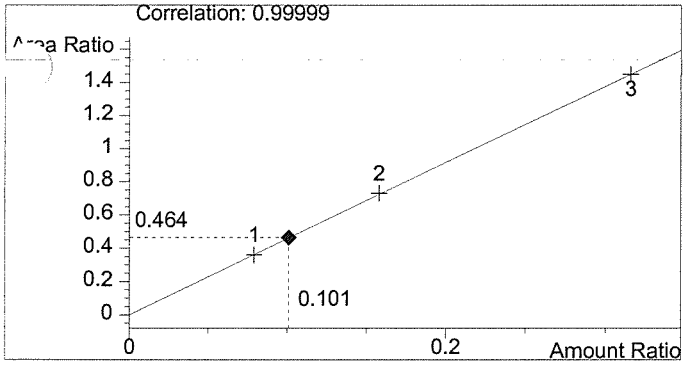
02029 SIM SOLN
m pemberton

vial # 15

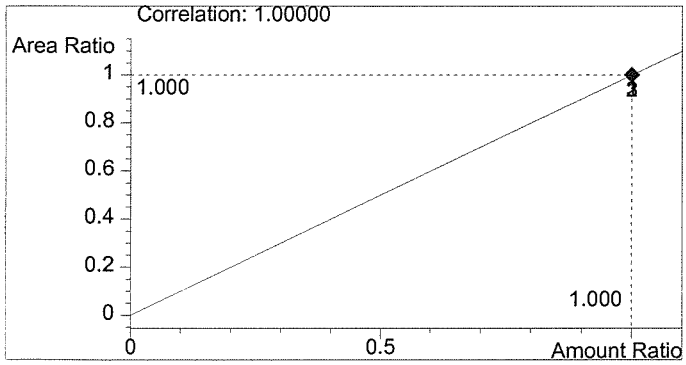


#	Compound	Area	RT
1	Ethanol	1573	1.040
2	n-Propanol	3392	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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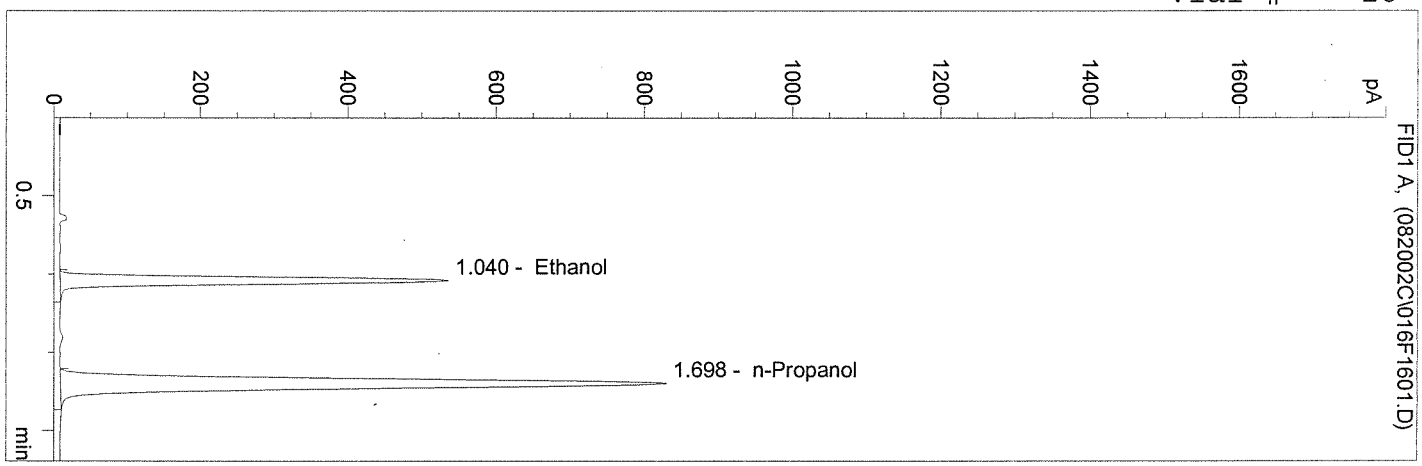
8/20/02 9:20:38 AM
Instrument 1
DB-ALC1

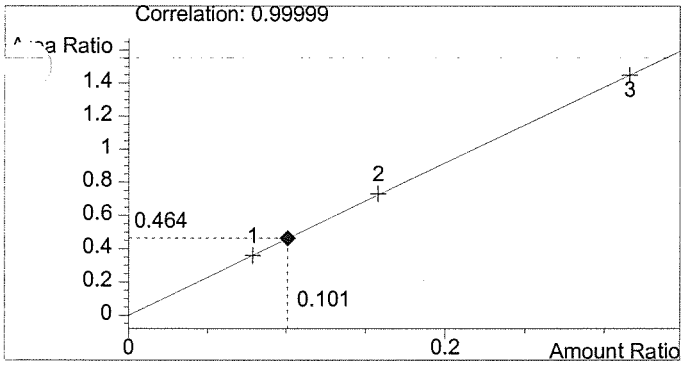
02029 SIM SOLN
m pemberton

vial # 16

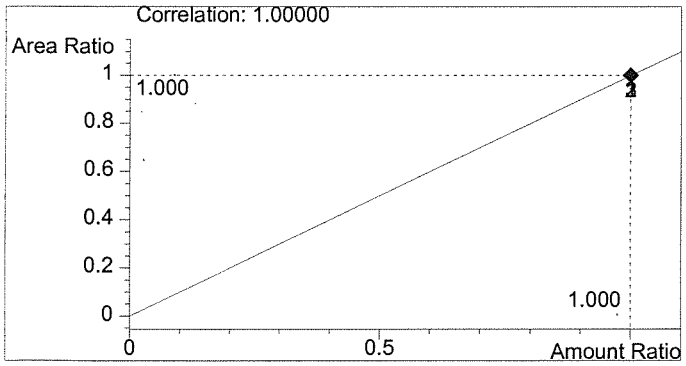


#	Compound	Area	RT
1	Ethanol	1601	1.040
2	n-Propanol	3453	1.698

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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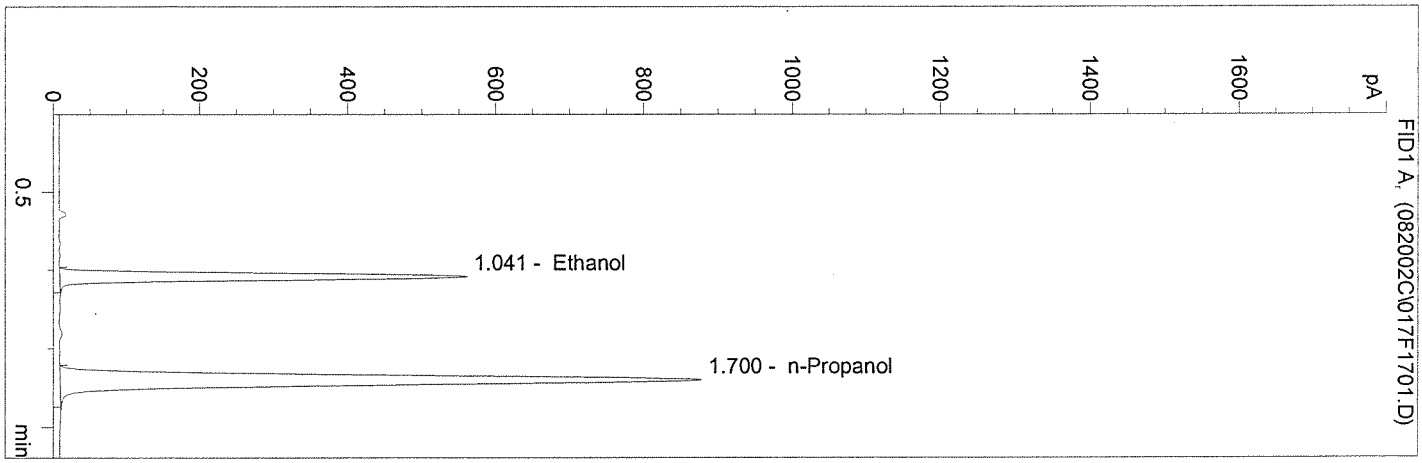
8/20/02 9:40:00 AM
Instrument 1
DB-ALC1

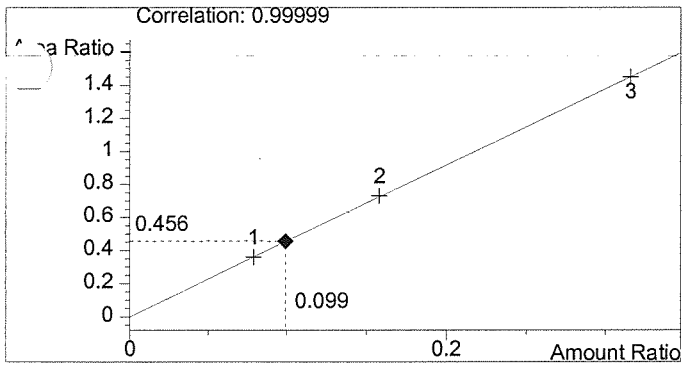
0.10 CONTROL
m pemberton

vial # 17

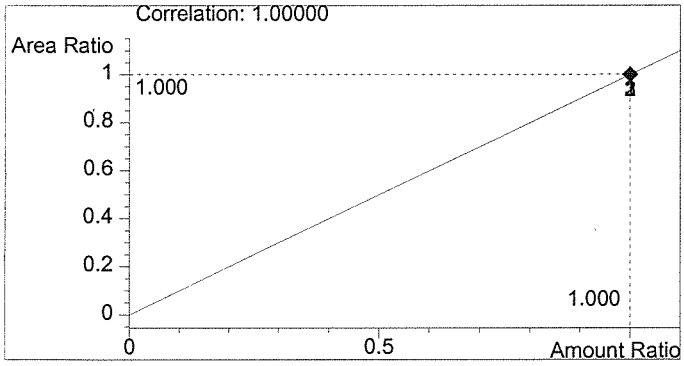


#	Compound	Area	RT
1	Ethanol	1649	1.041
2	n-Propanol	3620	1.700

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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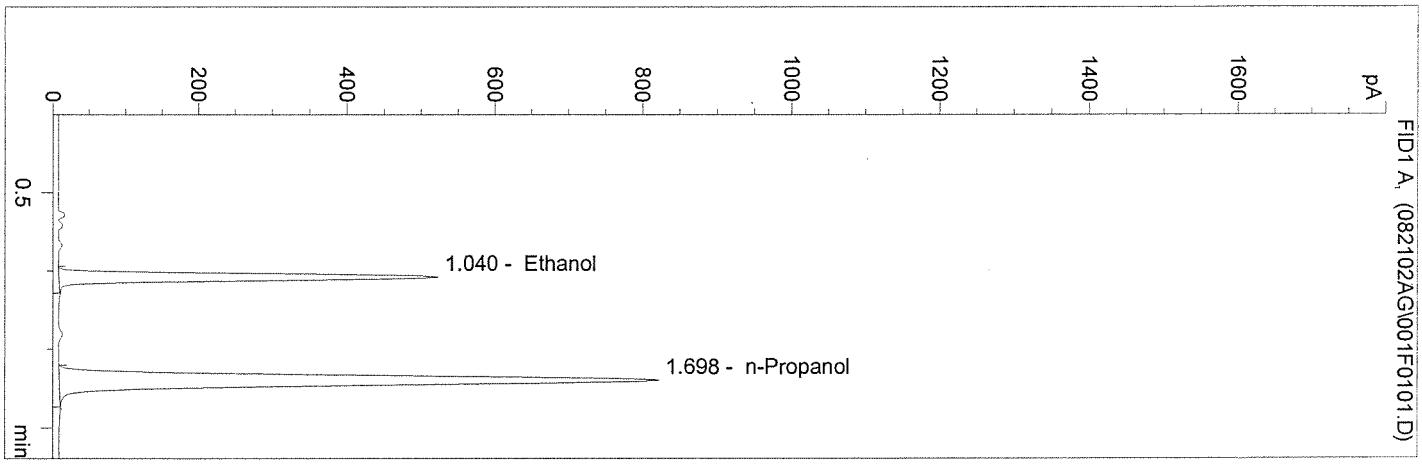
Instrument 1
-ALC1

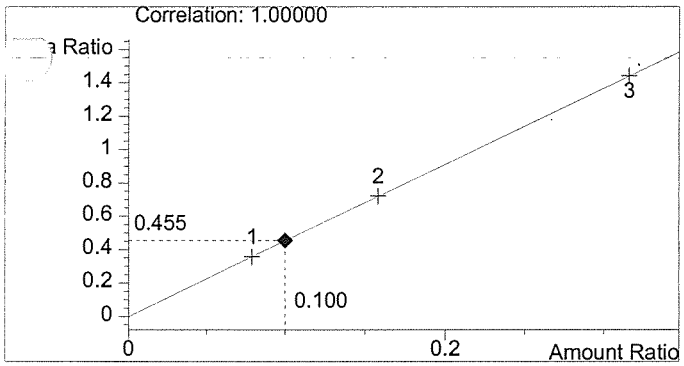
02029
A. GORDON

vial # 1

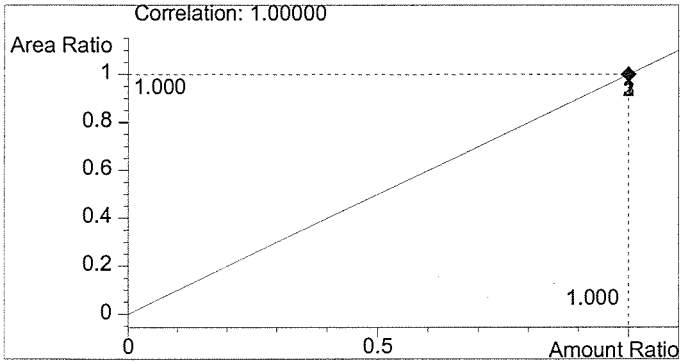


#	Compound	Area	RT
1	Ethanol	1546	1.040
2	n-Propanol	3401	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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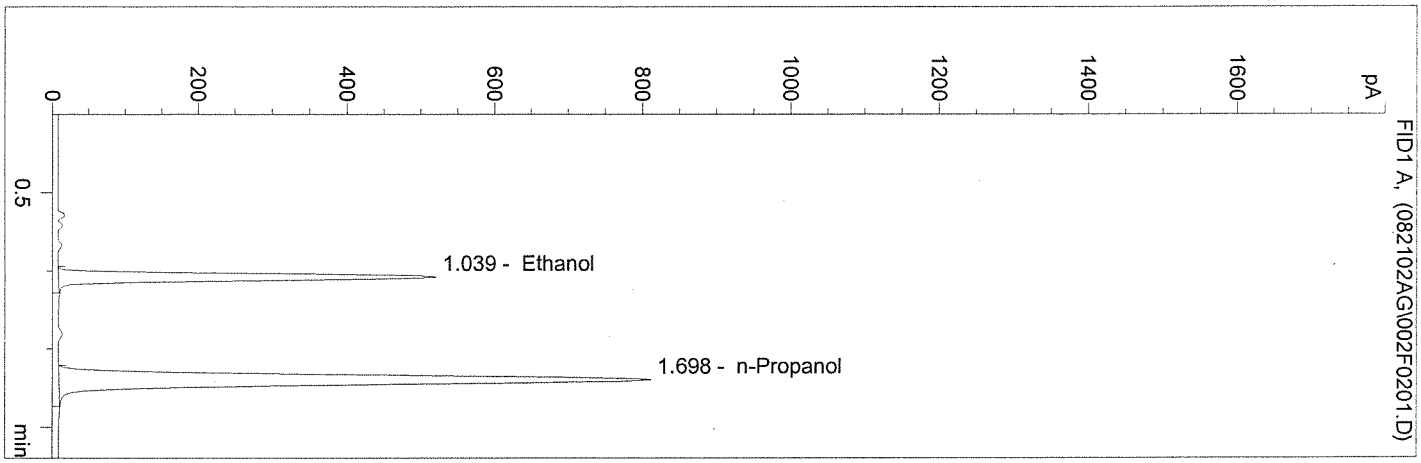
Instrument 1
-ALC1

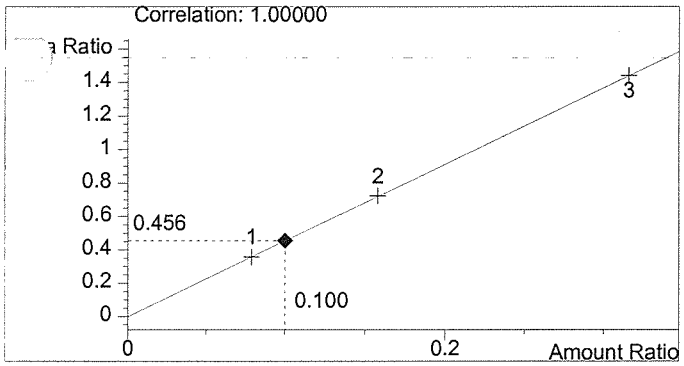
02029
A. GORDON

vial # 2

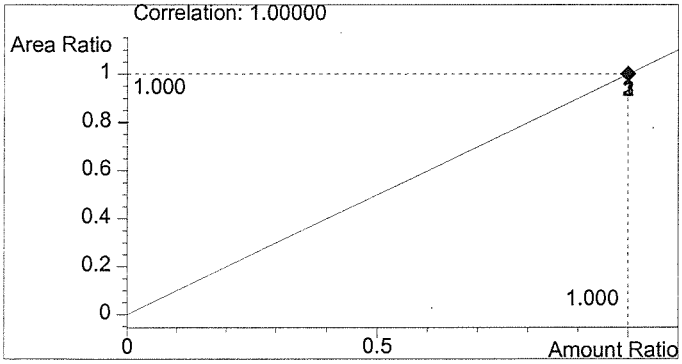


#	Compound	Area	RT
1	Ethanol	1530	1.039
2	n-Propanol	3356	1.698

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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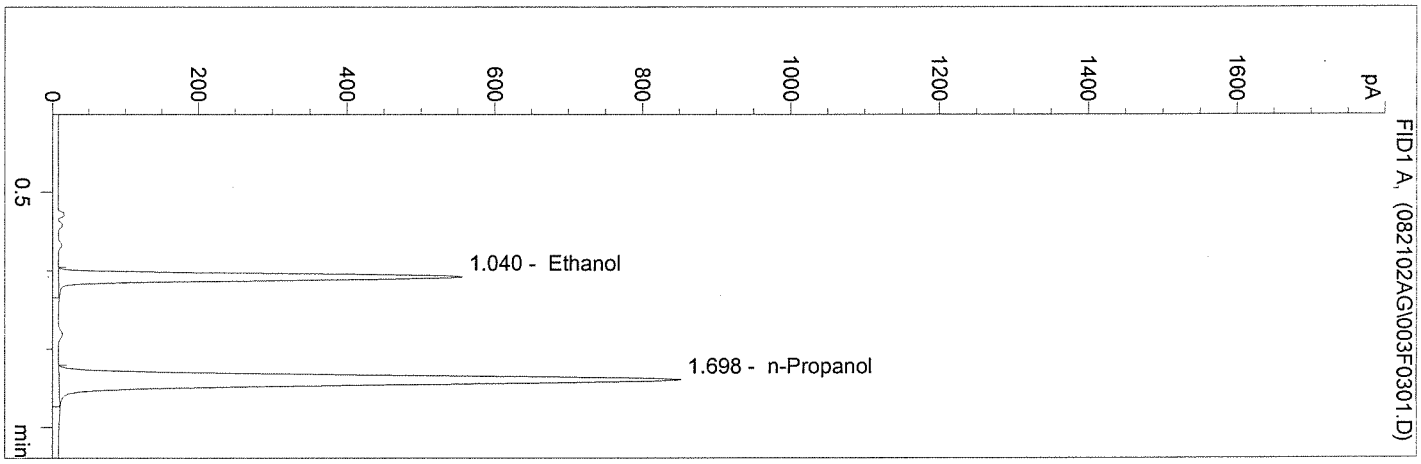
Instrument 1
-ALC1

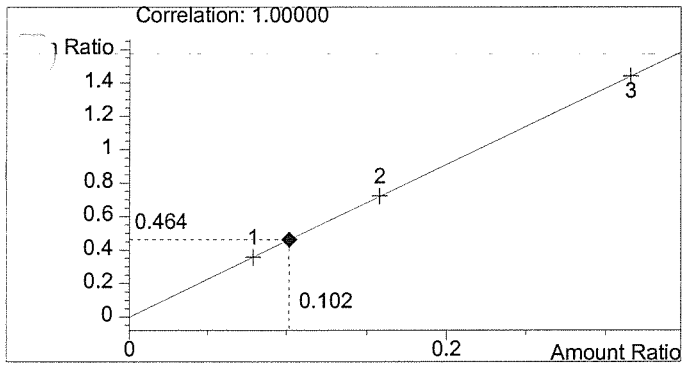
02029
A. GORDON

vial # 3

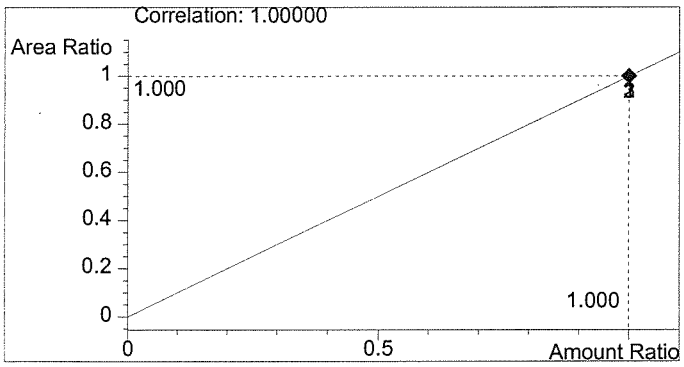


#	Compound	Area	RT
1	Ethanol	1634	1.040
2	n-Propanol	3524	1.698

Totals:



Ethanol 0.102 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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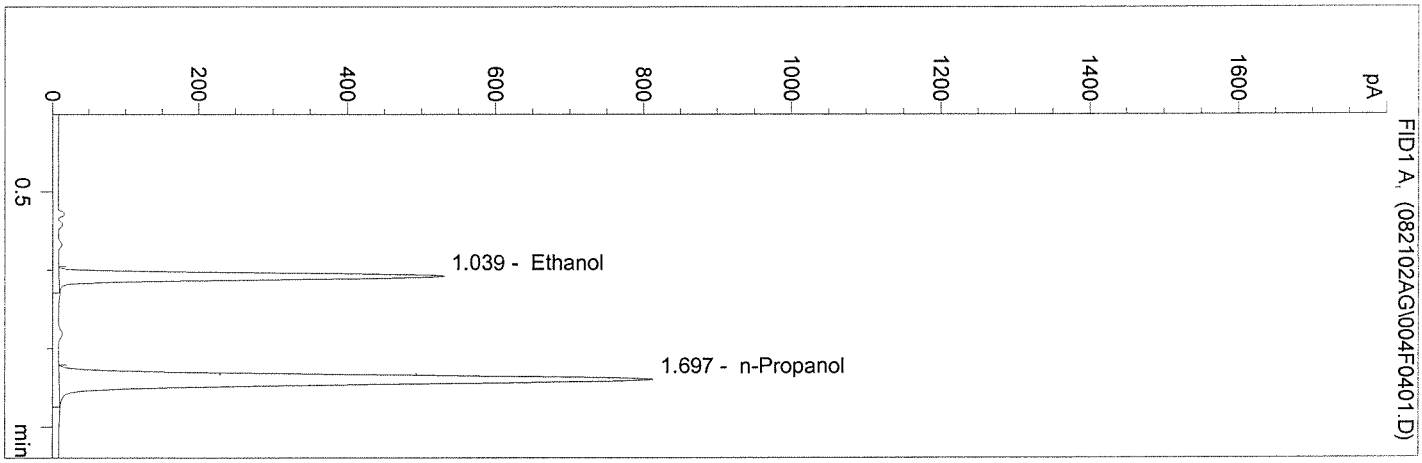
8/21/02 12:01:22 PM
Instrument 1
DB-ALC1

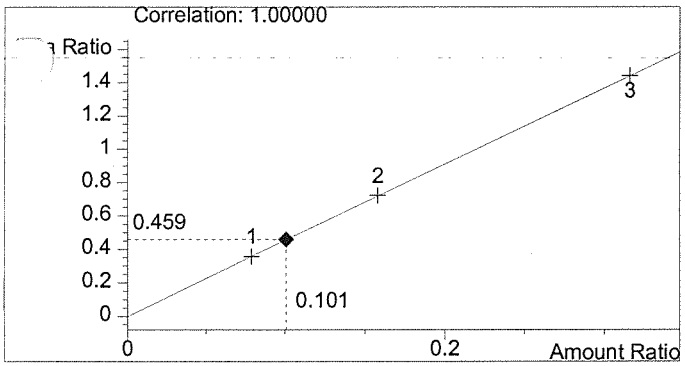
02029
A. GORDON

vial # 4

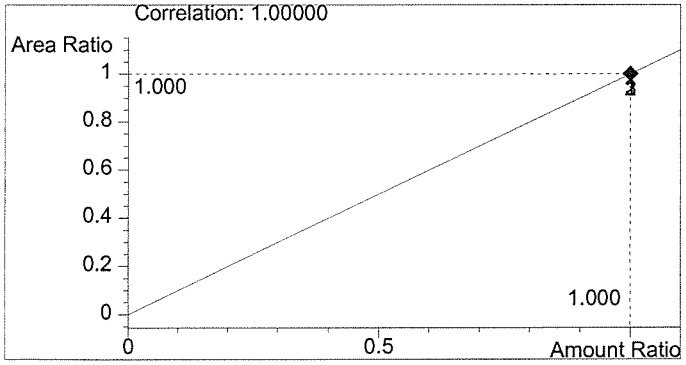


#	Compound	Area	RT
1	Ethanol	1539	1.039
2	n-Propanol	3355	1.697

Totals:



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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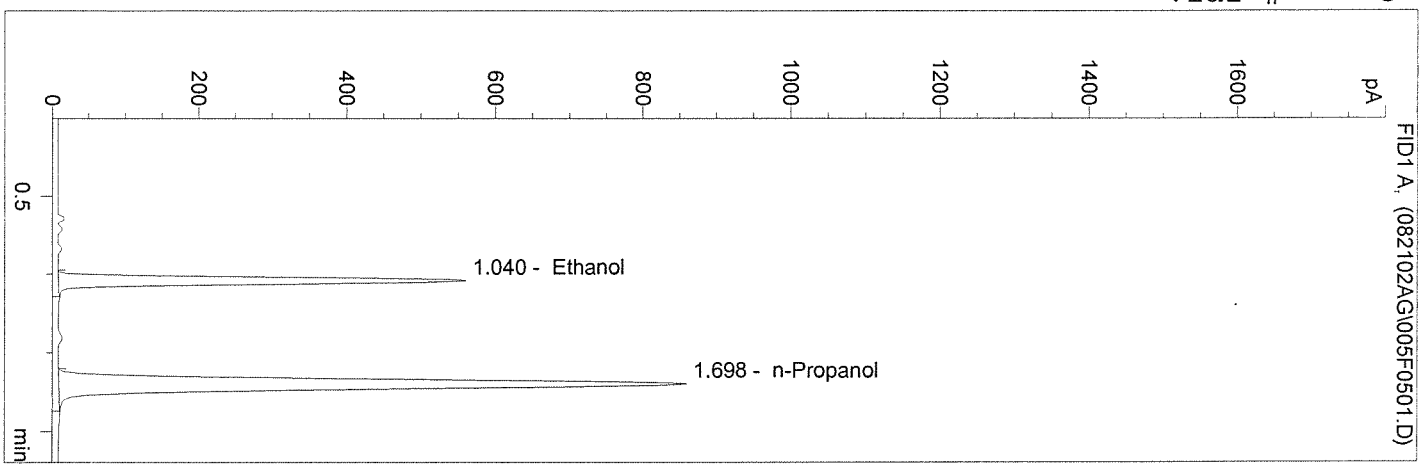
8/21/02 12:04:59 PM
Instrument 1
DB-ALC1

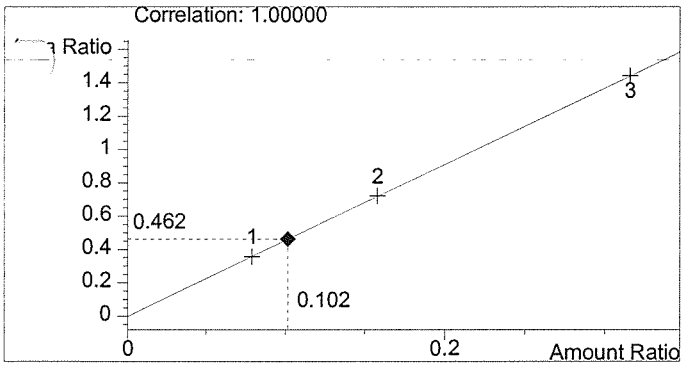
02029
A. GORDON

vial # 5

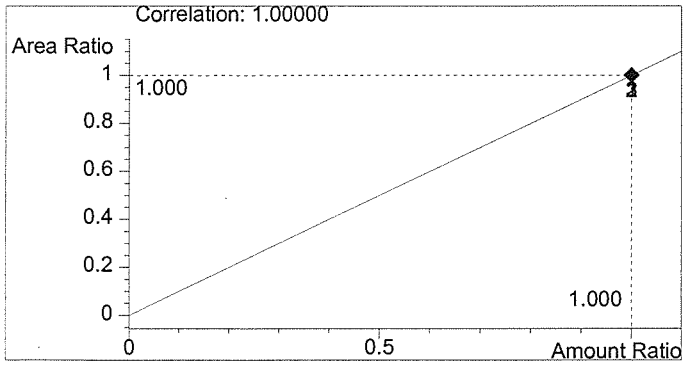


#	Compound	Area	RT
1	Ethanol	1644	1.040
2	n-Propanol	3557	1.698

Totals:



Ethanol 0.102 g/100ml



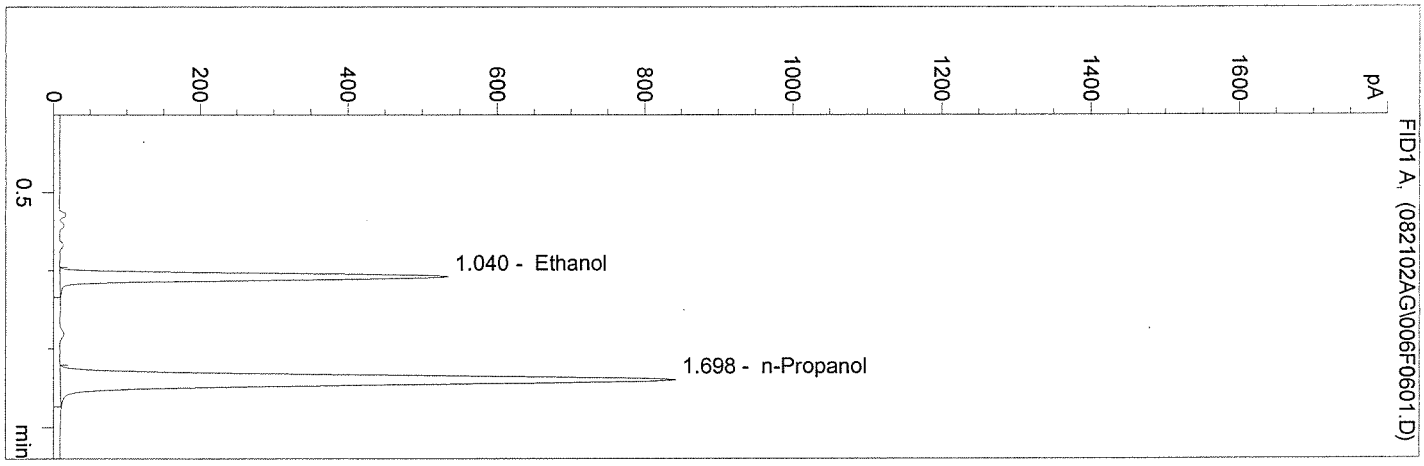
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/21/02 12:08:00 PM
Instrument 1
[illegible]-ALC1

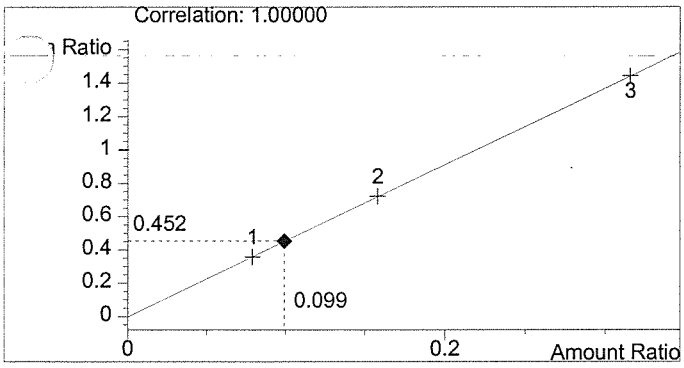
0.10 CONTROL
A. GORDON

vial # 6

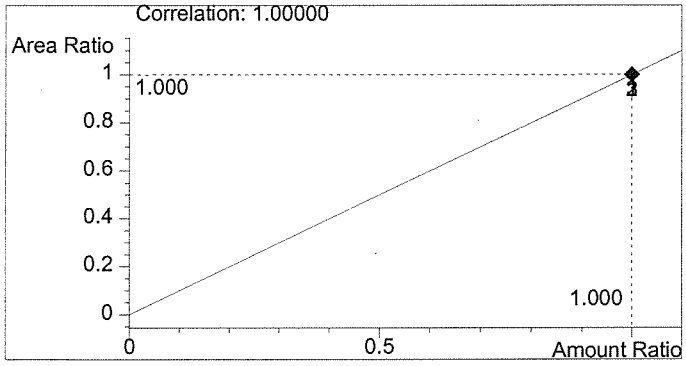


#	Compound	Area	RT
1	Ethanol	1577	1.040
2	n-Propanol	3486	1.698

Totals:



Ethanol 0.099 g/100ml



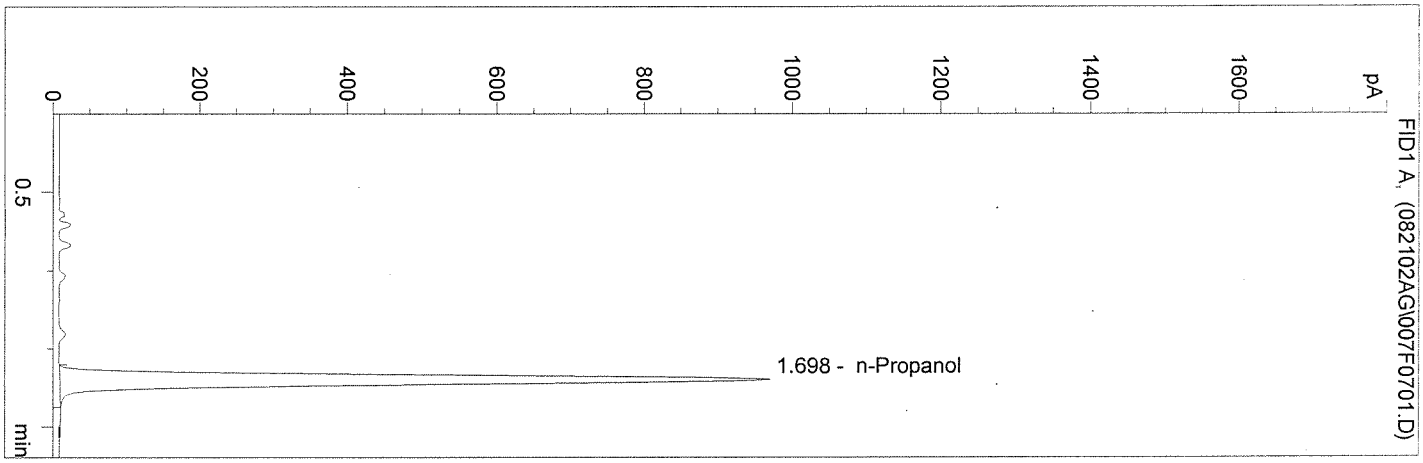
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
8/21/02 12:11:02 PM
Instrument 1
-ALC1

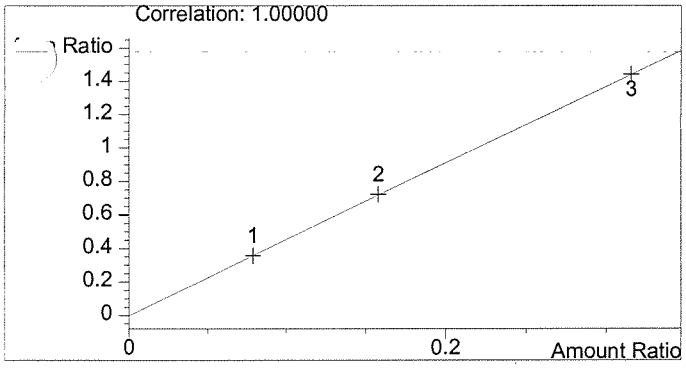
BLANK
A. GORDON

vial # 7

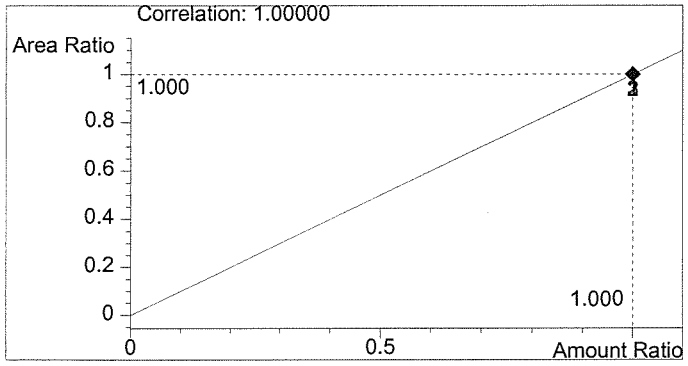


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	4007	1.698

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml