WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/ s: KEN DENTON / ROSGUILBERT Date: 1-14-2008

Location: TOX LAB SEATTLE Solution Batch Number: 04043

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

Comments:

Reviewer Signature: R L Gilbert Date: 1-14-2008

Reviewer Signature: K.L. Tr Date: 1/14/2008

Rev. Date: 12/28/2007

WASHINGTON STATE TOXICOLOGY LABORATORY
FORENSIC LABORATORY SERVICES BUREAU
WASHINGTON STATE PATROL
2203 AIRPORT WAY S, SUITE 360
SEATTLE, WASHINGTON 98134-2027
(206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.10** g/210L **Quality Assurance solution**

Batch number **04043** Date: 12/16/2004

Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 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	0.127	0.127	0.125									
2	0.128	0.127	0.126									
3	0.127	0.127	0.126									
4	0.128	0.128	0.128									
5	0.127	0.127	0.126									
Ctrl	0.099	0.098	0.098									

External Control:

Lot #: A-028603 Exp date: 12/07

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1269 g/100 mL

SD: 0.00088

Range (3xSD): 0.1242 to 0.1296

Precision CV (%): 0.6964 %

Equivalent vapor concent.: 0.1032 g/210L

Analyst	Name	Signature	Date
1	Estuardo J. Miranda		12/16/2004
2	Jayne E. Clarkson		12/17/2004
3	Asa Louis		12/17/2004
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: Estuardo J. Miranda according to the approved protocol

STATE OF WASHINGTON
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2203 Airport Way South, Suite 360•Seattle, Washington 98134-2027•(206) 262-6100•FAX (206) 262-6145

BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

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

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: Bachelor of Science in Chemistry, Master of Science in Zoology, seven years experience in biochemical research and six years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 04043 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

Dated: 12/20/04
Seattle, WA

E Miranda

Estuardo J. Miranda
Forensic Toxicologist

EM/la
EMQA

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

E Miranda 1-15-2008

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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Jayne E. Clarkson, do certify under penalty of perjury as follows:

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: B.S. degree in Cell and Molecular Biology and two years experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 04043, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

Dated: 12/20/04
Seattle, WA

Jayne E. Clarkson
Forensic Toxicologist

JEC/la
JCQA

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

1/17/08

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BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION

I, Asa J. Louis, do certify under penalty of perjury as follows:

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: BS degree in Biochemistry and seven years in Toxicology.

The quality assurance solution, Lot Number 04043, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1269 grams per 100ml.

Dated: 12/20/04
Seattle, WA

Asa J. Louis
Forensic Toxicologist

AJL/la
AJLQA

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4	0.128	0.128	0.128									
5	0.127	0.127	0.126									
Ctrl	0.099	0.098	0.098									

External Control:

Lot #: A-028603 Exp date: 12/07

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Statistics:

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Analyst	Name	Signature	Date
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2	Jayne E. Clarkson		12/17/2004
3	Asa Louis		12/17/2004
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12			

Prepared by: Estuardo J. Miranda according to the approved protocol

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Dated: 12/20/04
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/la
EMQA

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I, Jayne E. Clarkson, do certify under penalty of perjury as follows:

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Dated: 12/20/04
Seattle, WA

Jayne E. Clarkson
Forensic Toxicologist

JEC/la
JCQA

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Dated: 12/20/04
Seattle, WA

Asa J. Louis
Forensic Toxicologist

AJL/la
AJLQA

Sequence Parameters:

Operator:	Estuardo J. Miranda
Data File Naming:	Auto
Data Directory:	D:\HPCHEM\1\DATA\
Data Subdirectory:	041216JM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	QA Sol 04043-1	BLDALCO	1	Sample		
2	Vial 2	QA Sol 04043-2	BLDALCO	1	Sample		
3	Vial 3	QA Sol 04043-3	BLDALCO	1	Sample		
4	Vial 4	QA Sol 04043-4	BLDALCO	1	Sample		
5	Vial 5	QA Sol 04043-5	BLDALCO	1	Sample		
6	Vial 6	0.100 Control EM	BLDALCO	1	Ctrl Samp		
7	Vial 7	Blank	BLDALCO	1	Sample		

Sequence Table (Back Injector):

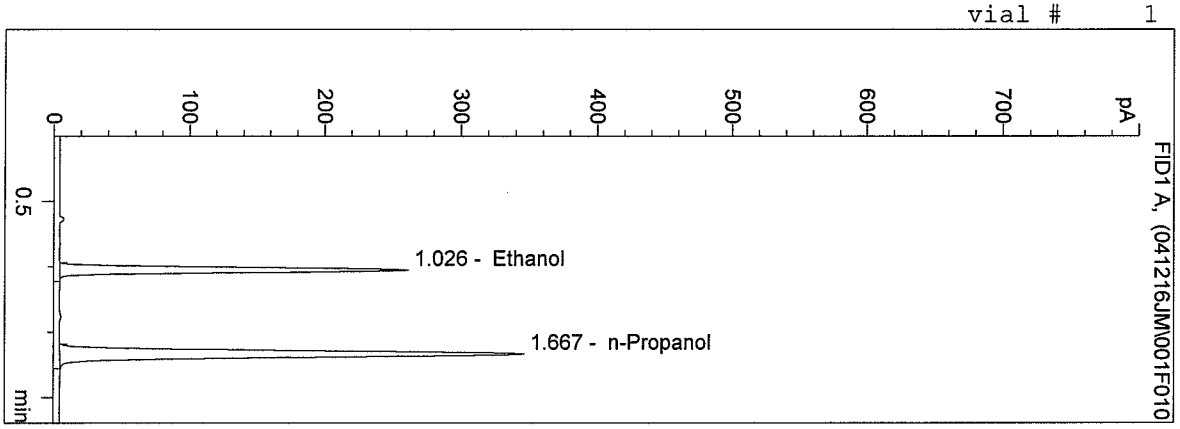
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:19:56 PM
Instrument 4
DB-ALC1

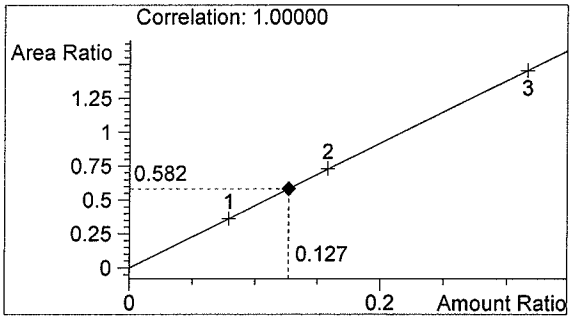
QA Sol 04043-1
Estuardo J. Miranda

vial # 1



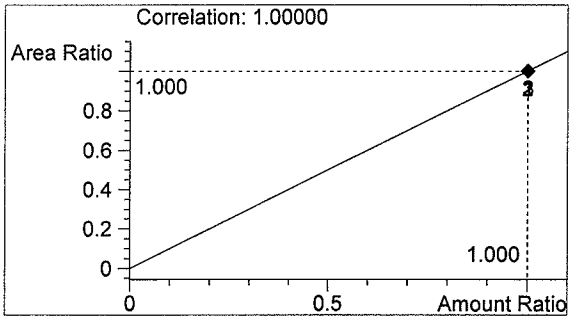
#	Compound	Area	RT
1	Ethanol	684	1.026
2	n-Propanol	1175	1.667

Totals:



Ethanol 0.127 g/100ml

EM
1-15-2005



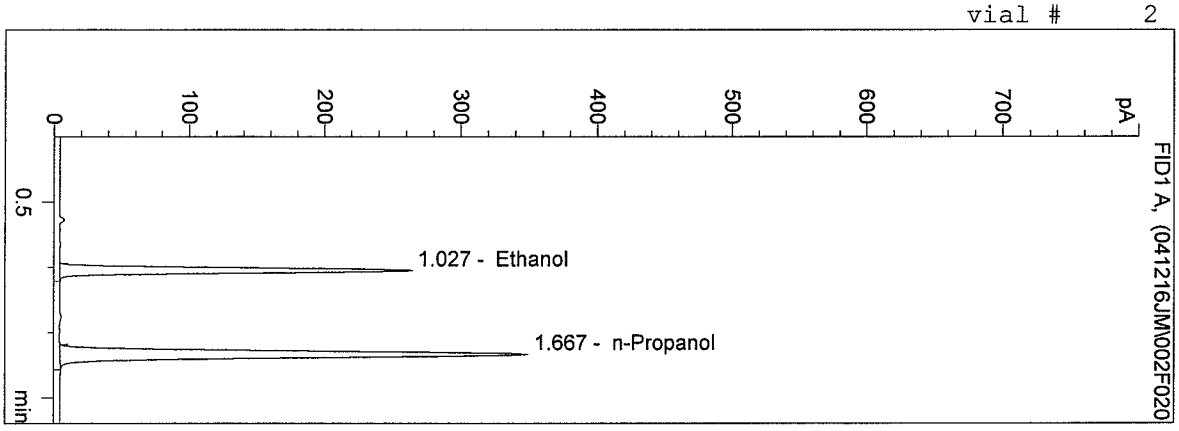
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:23:10 PM
Instrument 4
DB-ALC1

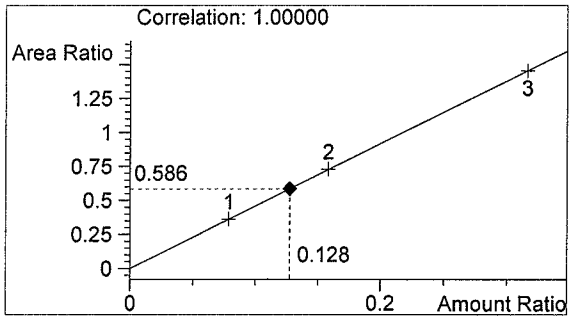
QA Sol 04043-2
Estuardo J. Miranda

vial # 2



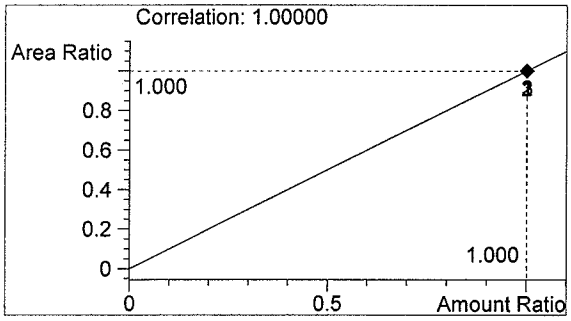
#	Compound	Area	RT
1	Ethanol	699	1.027
2	n-Propanol	1192	1.667

Totals:



Ethanol 0.128 g/100ml

EM
1-15-2009



n-Propanol 1.000 g/100ml

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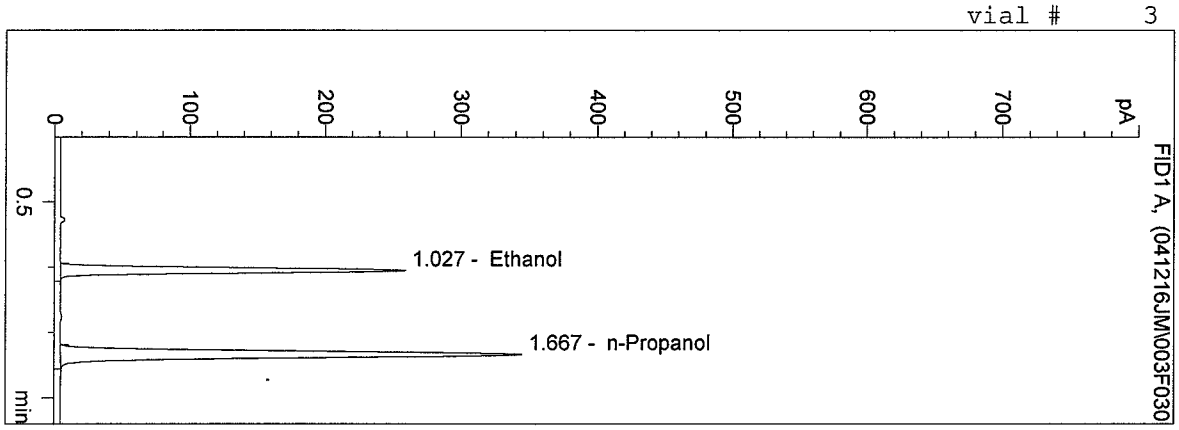
D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:26:22 PM
Instrument 4
DB-ALC1

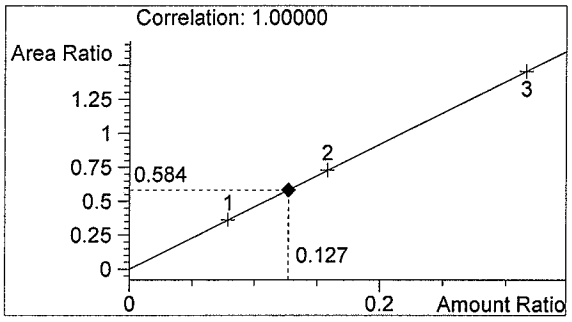
QA Sol 04043-3
Estuardo J. Miranda

vial # 3



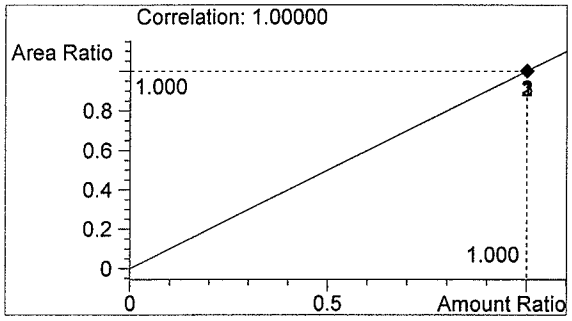
#	Compound	Area	RT
1	Ethanol	689	1.027
2	n-Propanol	1180	1.667

Totals:



Ethanol 0.127 g/100ml

EM
1-15-2005



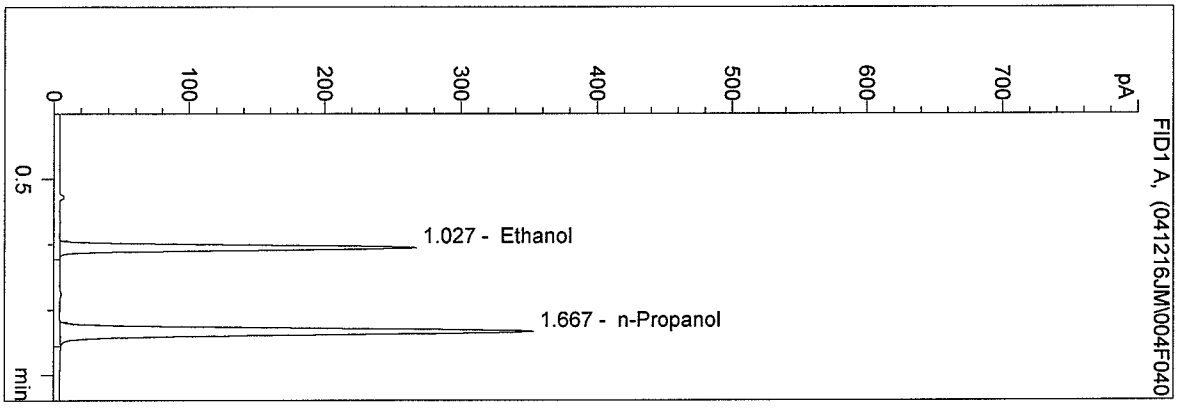
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:29:33 PM
Instrument 4
DB-ALC1

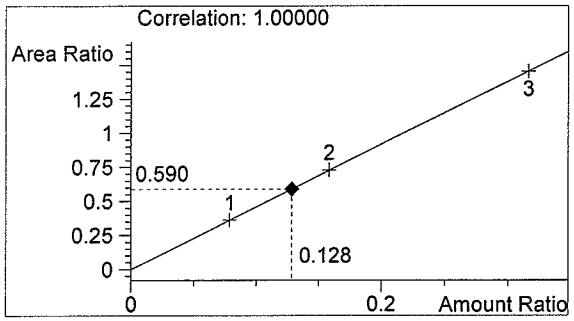
QA Sol 04043-4
Estuardo J. Miranda

vial # 4



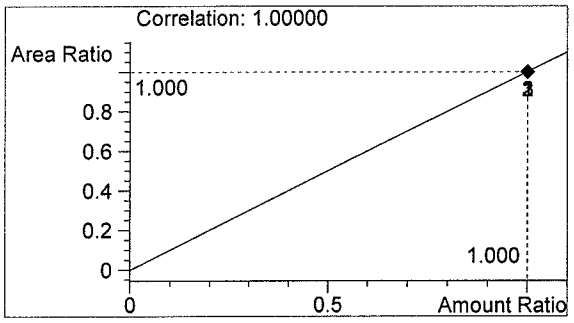
#	Compound	Area	RT
1	Ethanol	714	1.027
2	n-Propanol	1210	1.667

Totals:



Ethanol 0.128 g/100ml

EM
1-15-2008



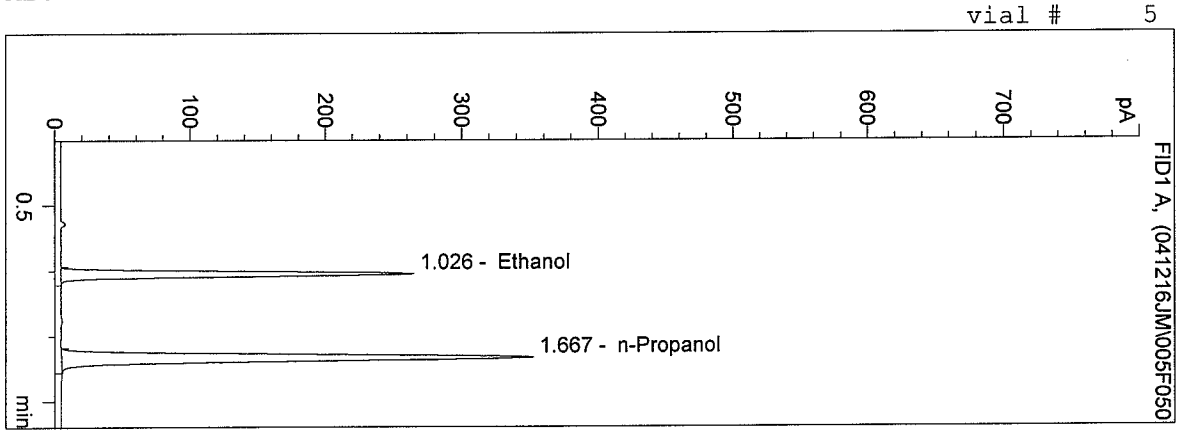
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:32:43 PM
Instrument 4
DB-ALC1

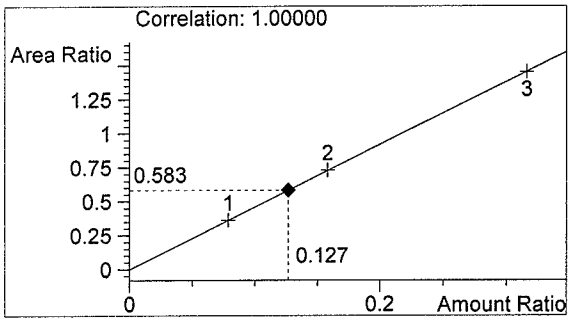
QA Sol 04043-5
Estuardo J. Miranda

vial # 5



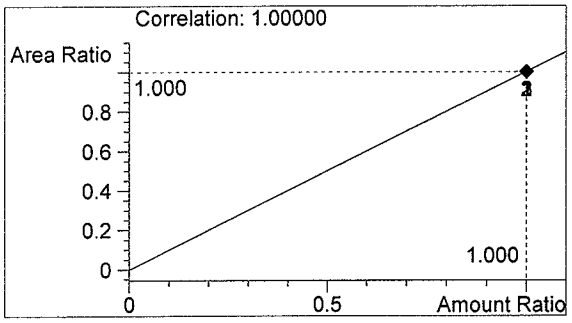
#	Compound	Area	RT
1	Ethanol	700	1.026
2	n-Propanol	1201	1.667

Totals:



Ethanol 0.127 g/100ml

EM
1-15-2005



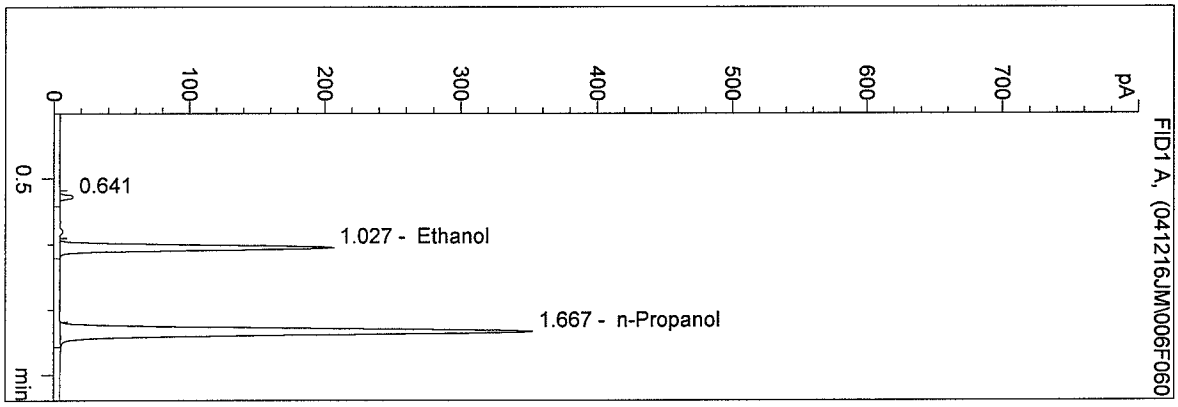
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:35:50 PM
Instrument 4
DB-ALC1

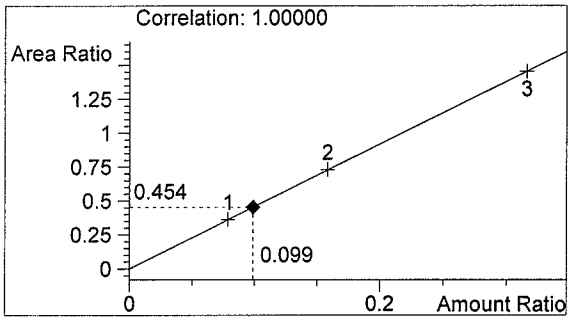
0.100 Control EM
Estuardo J. Miranda

vial # 6



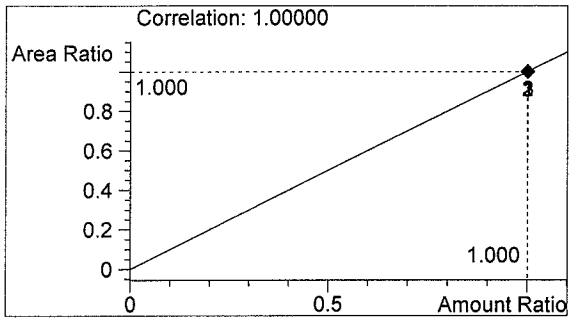
#	Compound	Area	RT
1		20	0.641
2	Ethanol	548	1.027
3	n-Propanol	1207	1.667

Totals:



Ethanol 0.099 g/100ml

EM
1-15-2008



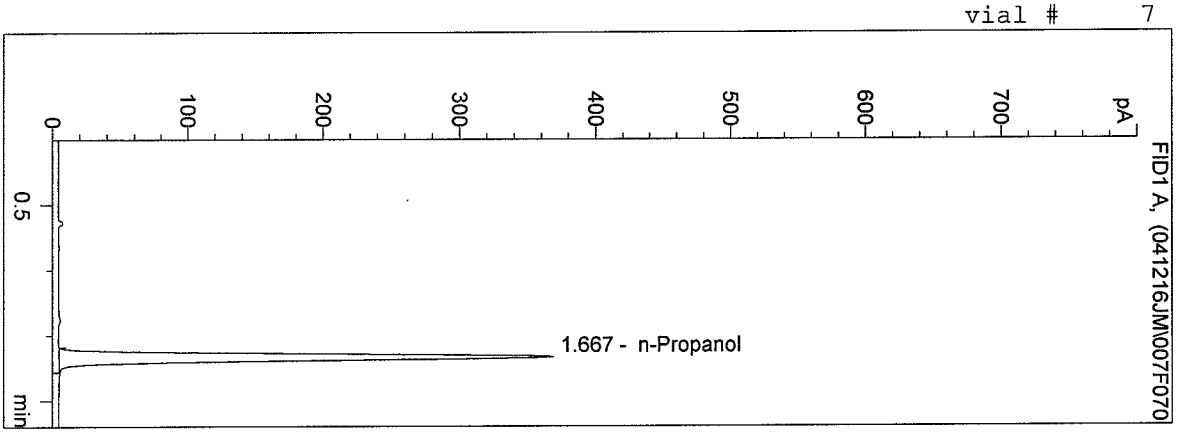
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

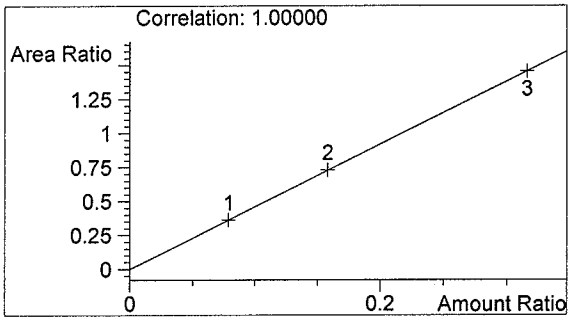
D:\HPCHEM\1\METHODS\BLDALCO.M
12/16/2004 12:41:28 PM
Instrument 4
DB-ALC1

Blank
Estuardo J. Miranda

vial # 7

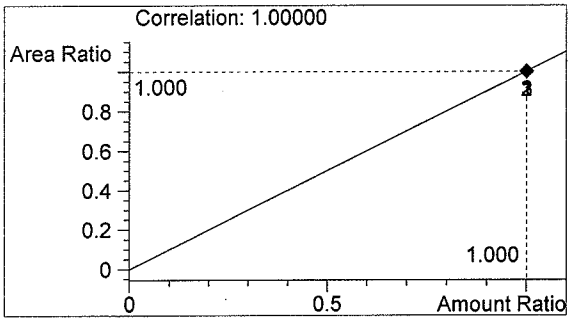


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1263	1.667
Totals:			



Ethanol 0.000 g/100ml

EM 1-15-2008



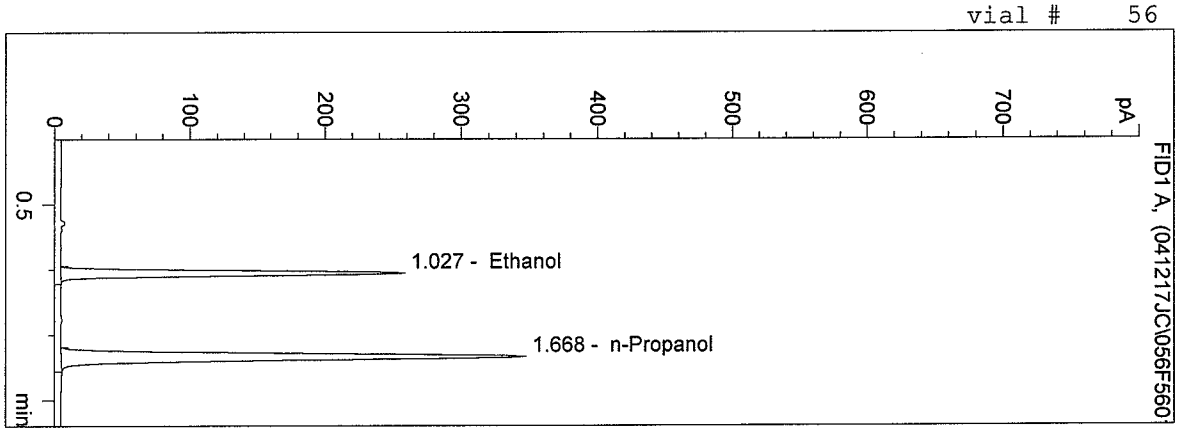
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/17/2004 12:52:25 PM
Instrument 4
DB-ALC1

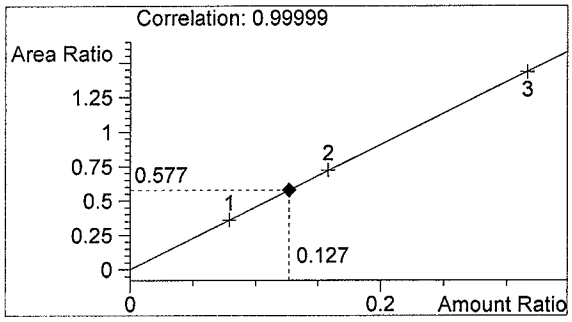
QA Soln 04043
Jayne E. Clarkson

vial # 56

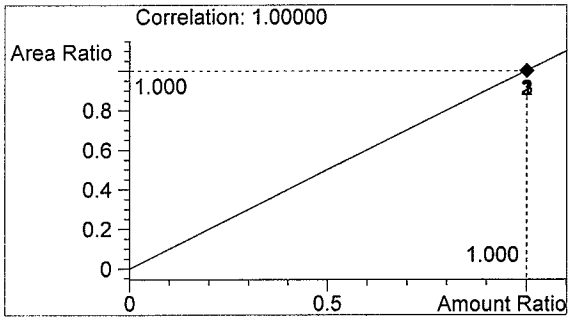


#	Compound	Area	RT
1	Ethanol	682	1.027
2	n-Propanol	1183	1.668

Totals:



Ethanol 0.127 g/100ml



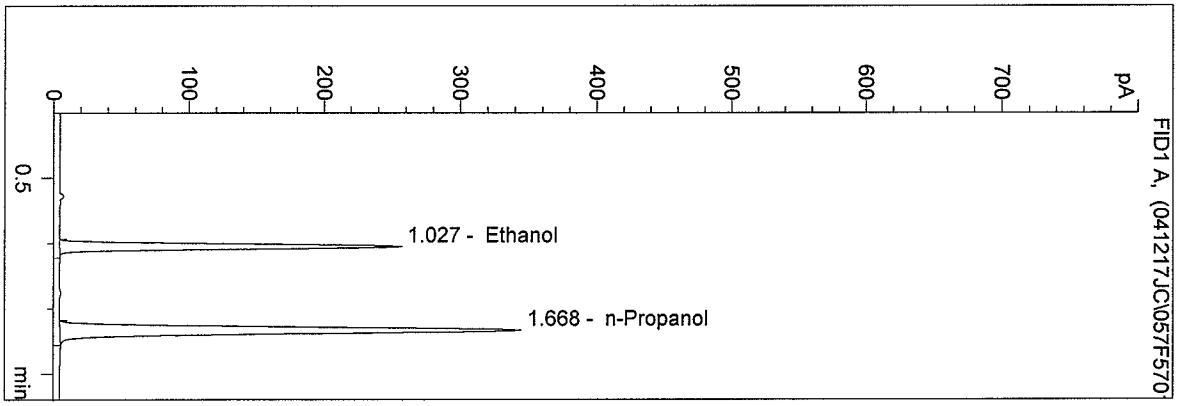
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO.M
12/17/2004 12:55:40 PM
Instrument 4
DB-ALC1

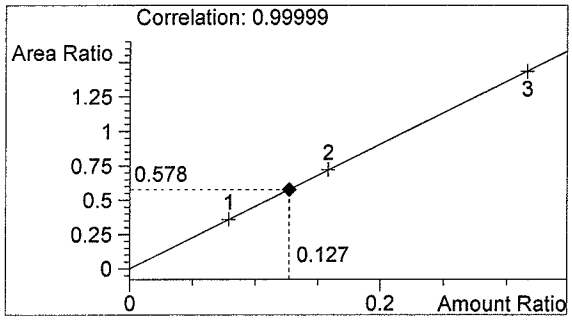
QA Soln 04043
Jayne E. Clarkson

vial # 57

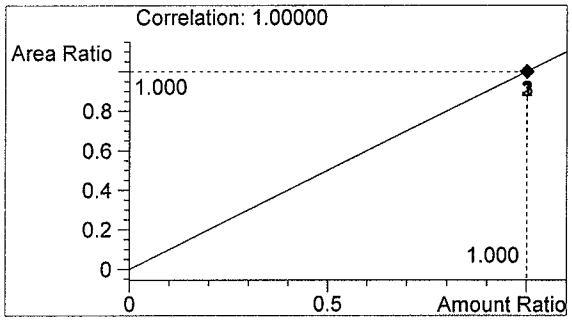


#	Compound	Area	RT
1	Ethanol	678	1.027
2	n-Propanol	1174	1.668

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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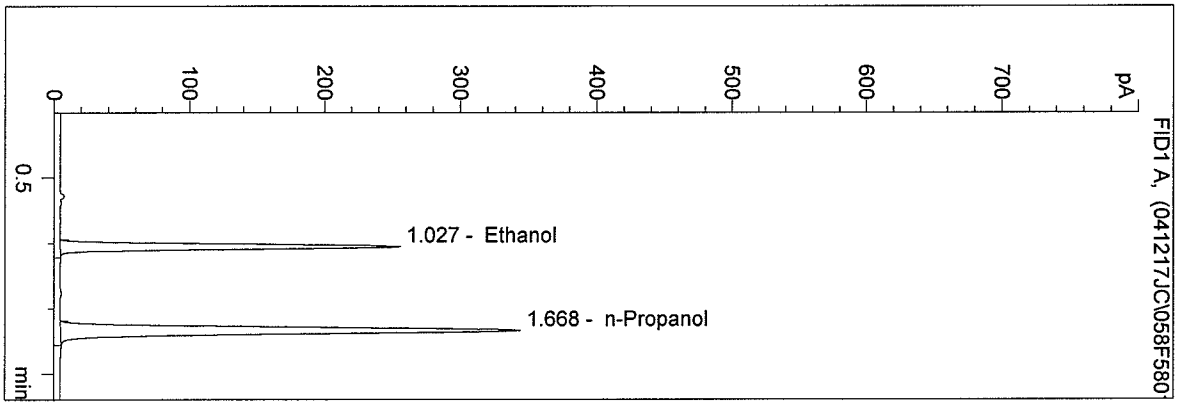
Instrument 4
DB-ALC1

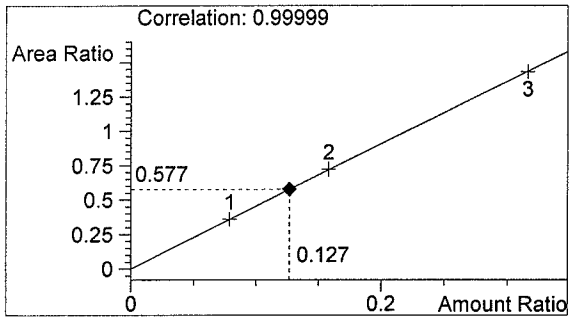
QA Soln 04043
Jayne E. Clarkson

vial # 58

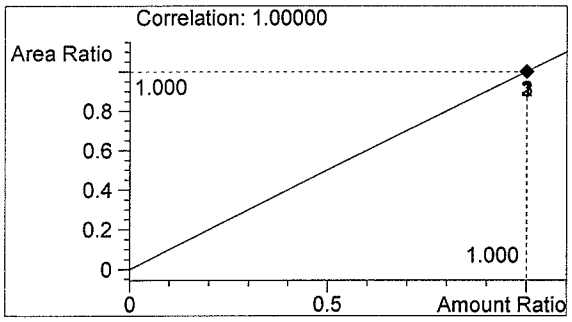


#	Compound	Area	RT
1	Ethanol	676	1.027
2	n-Propanol	1172	1.668

Totals:



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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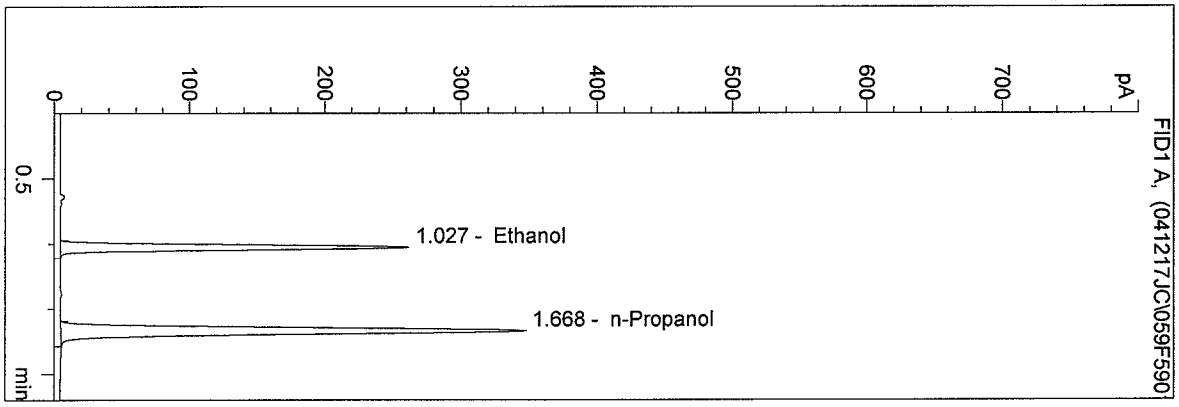
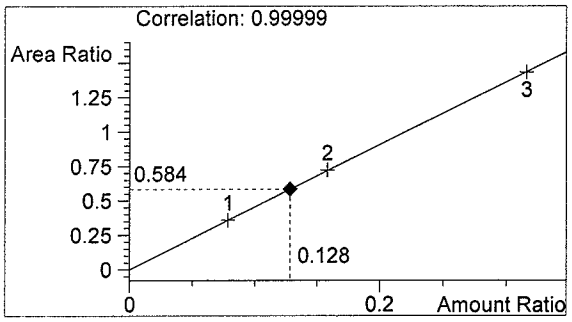
12/17/2004 1:02:03 PM
Instrument 4
DB-ALC1

QA Soln 04043
Jayne E. Clarkson

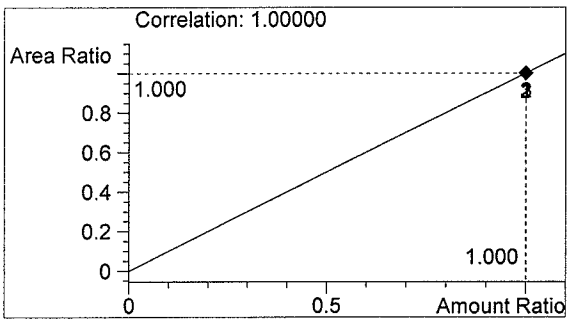
vial # 59



#	Compound	Area	RT
1	Ethanol	693	1.027
2	n-Propanol	1188	1.668
Totals:			



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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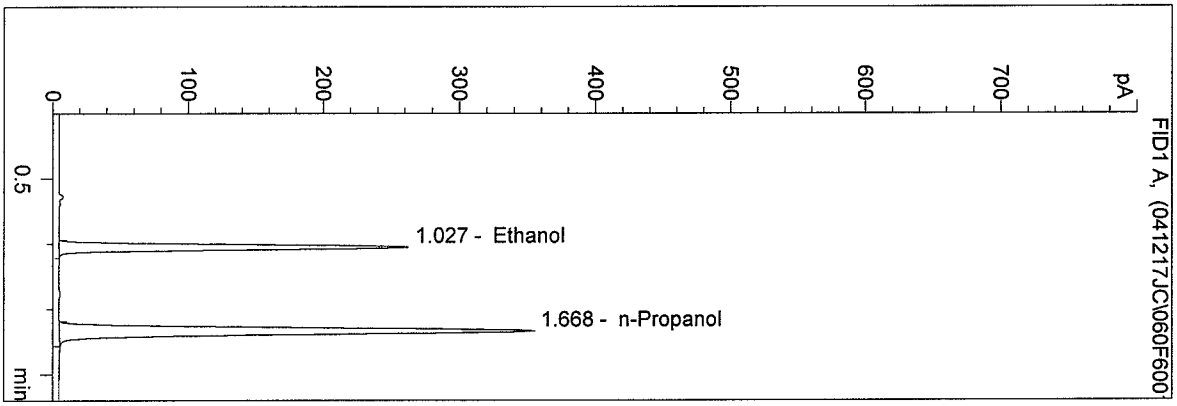
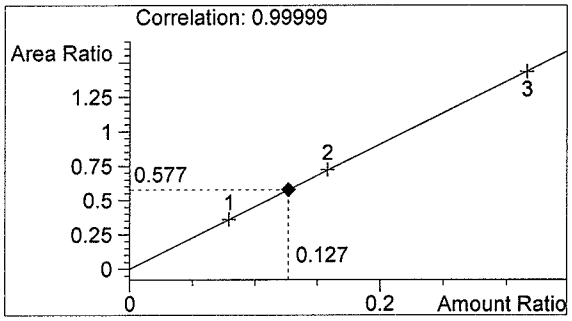
Instrument 4
DB-ALC1

QA Soln 04043
Jayne E. Clarkson

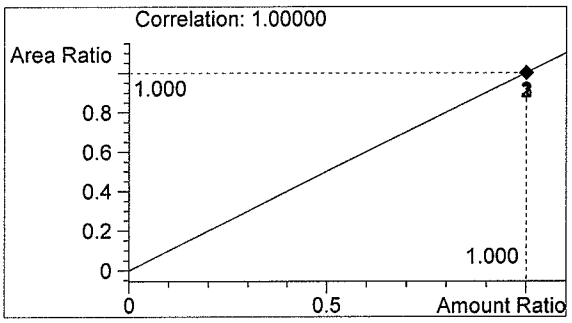
vial # 60



#	Compound	Area	RT
1	Ethanol	701	1.027
2	n-Propanol	1215	1.668
Totals:			



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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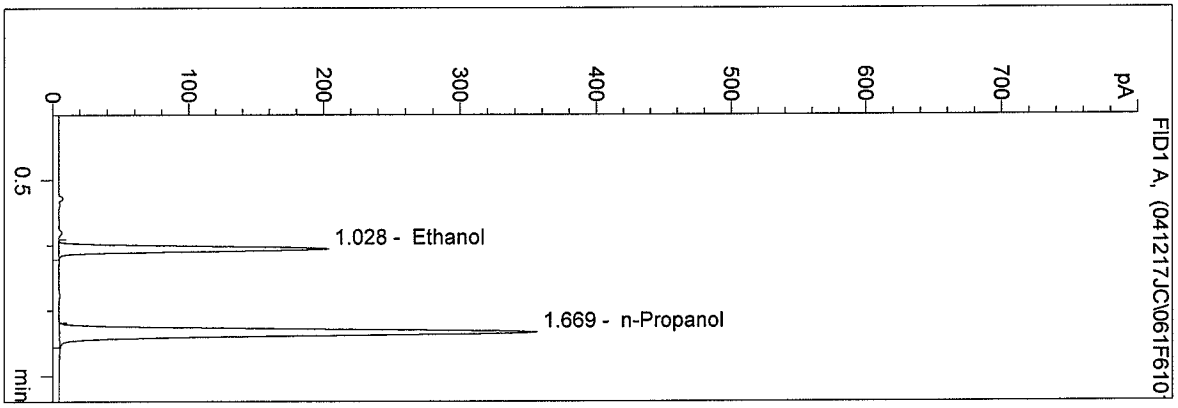
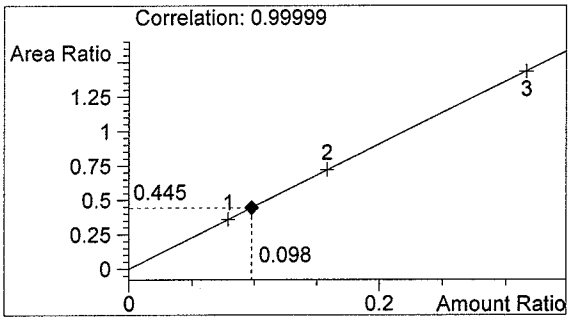
Instrument 4
DB-ALC1

0.10 CONTROL
Jayne E. Clarkson

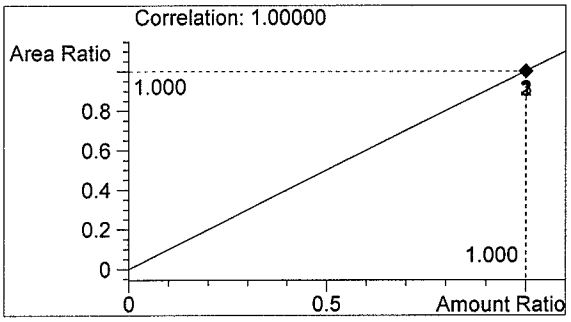
vial # 61



#	Compound	Area	RT
1	Ethanol	544	1.028
2	n-Propanol	1222	1.669
Totals:			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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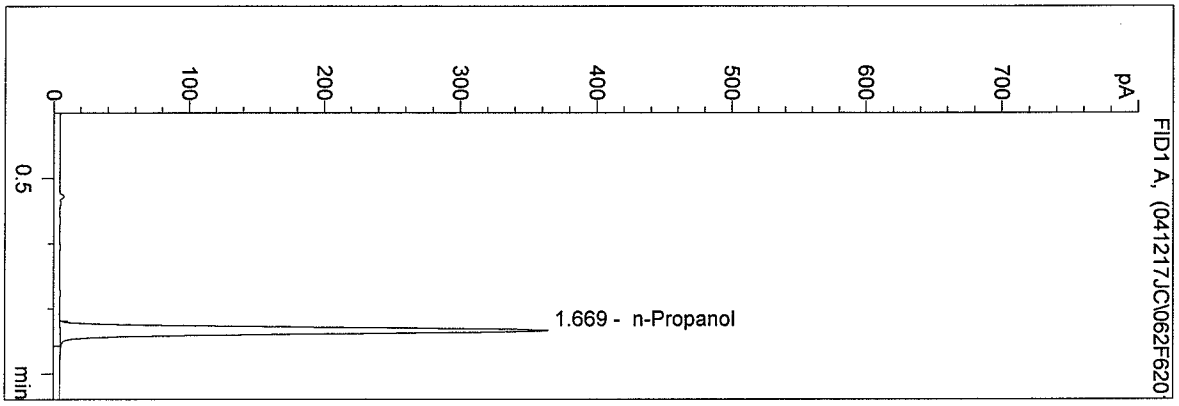
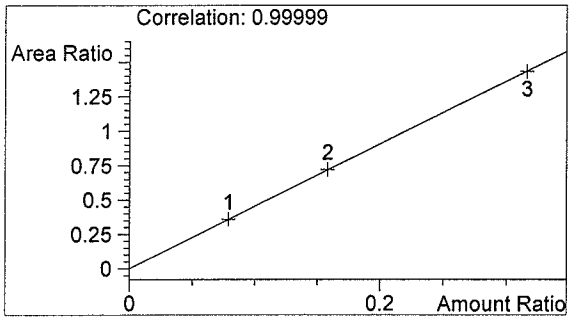
Instrument 4 Jayne E. Clarkson
DB-ALC1

vial # 62

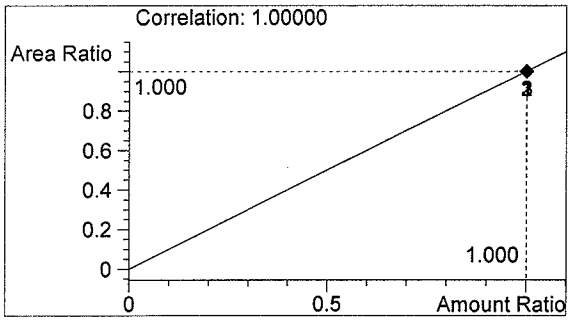


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1254	1.669

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 4
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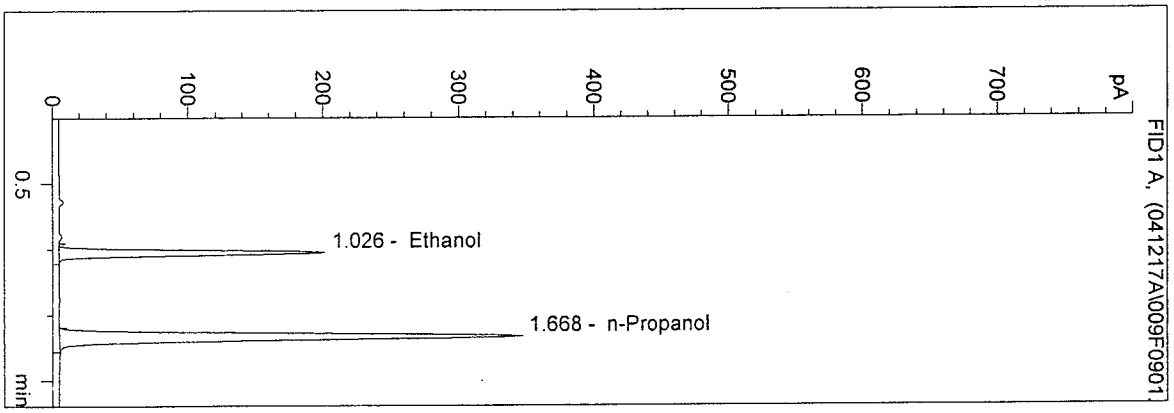
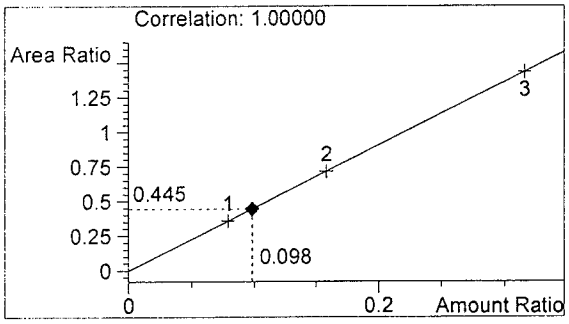
0.10 con al
alouis

vial # 9

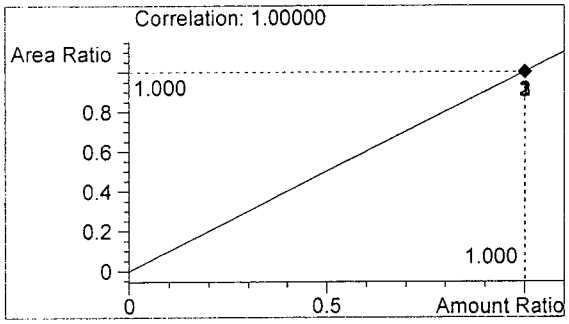


#	Compound	Area	RT
1	Ethanol	526	1.026
2	n-Propanol	1181	1.668

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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Instrument 4
DB-ALC1

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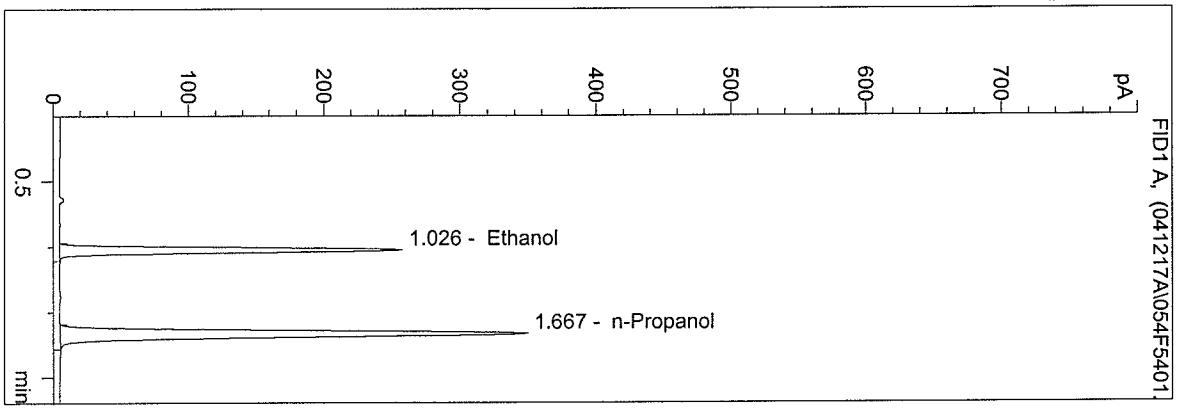
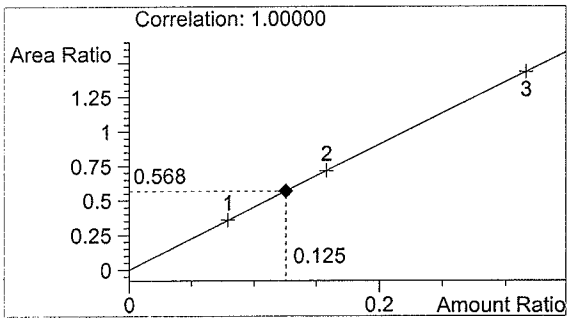
alouis

vial # 54

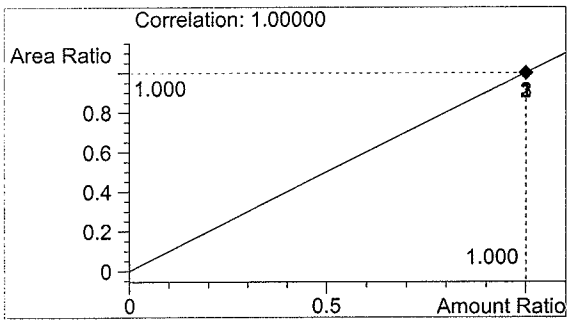


#	Compound	Area	RT
1	Ethanol	675	1.026
2	n-Propanol	1187	1.667

Totals:



Ethanol 0.125 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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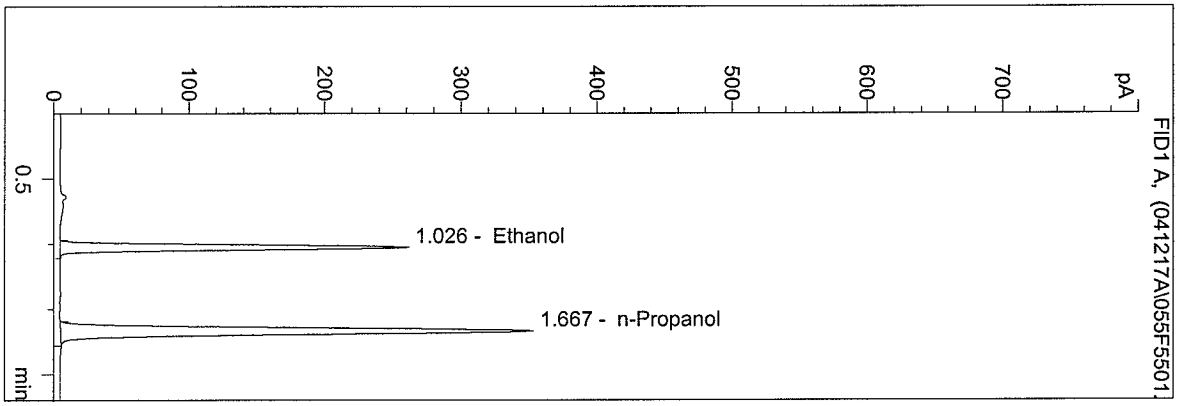
Instrument 4
DB-ALC1

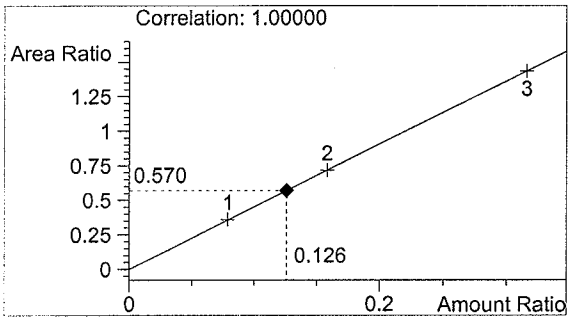
04043b
alouis

vial # 55

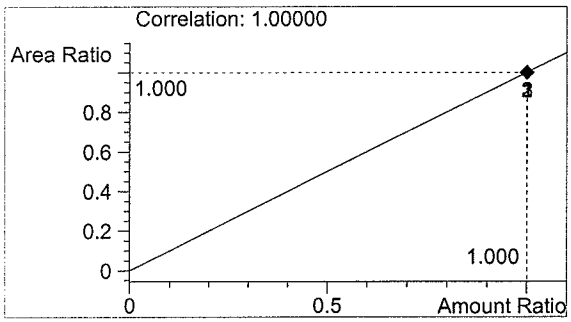


#	Compound	Area	RT
1	Ethanol	684	1.026
2	n-Propanol	1200	1.667

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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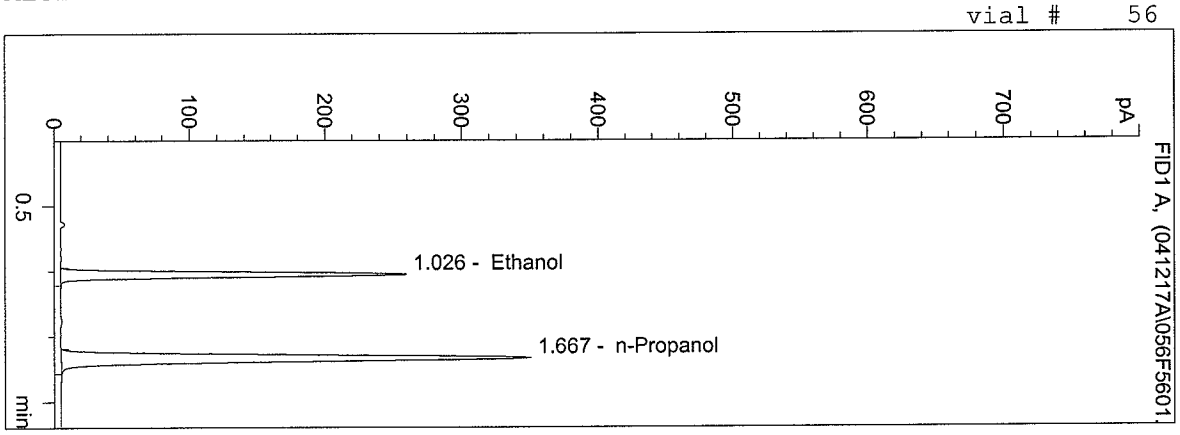
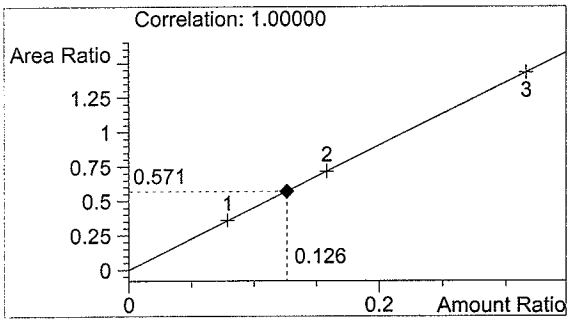
Instrument 4
DB-ALC1

04043c
alouis

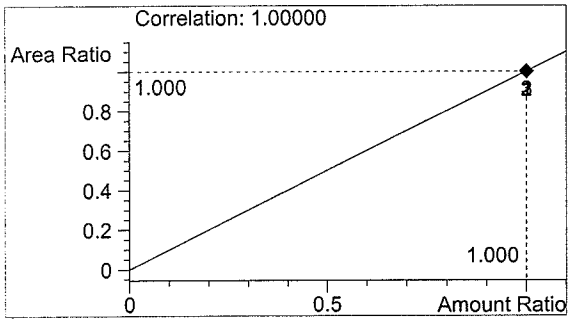
vial # 56



#	Compound	Area	RT
1	Ethanol	681	1.026
2	n-Propanol	1193	1.667
Totals:			



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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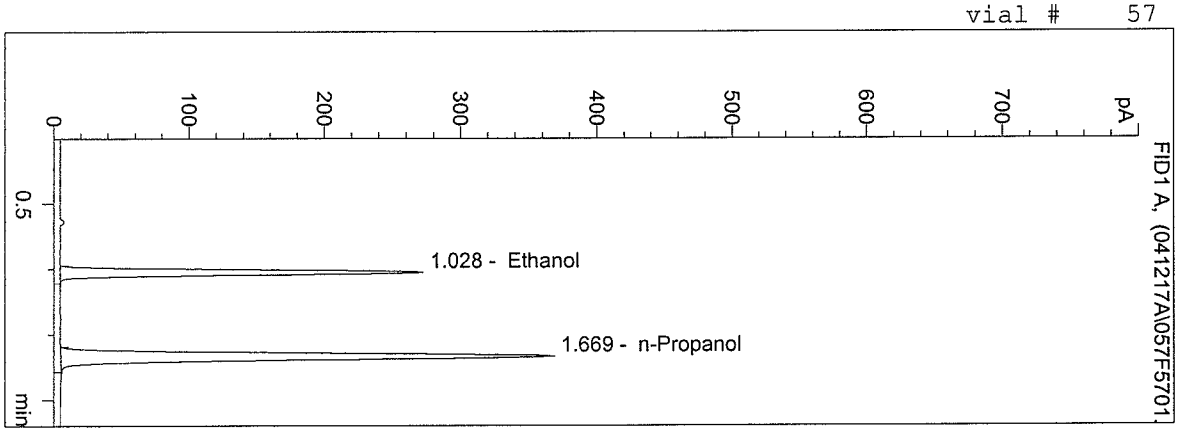
Instrument 4
DB-ALC1

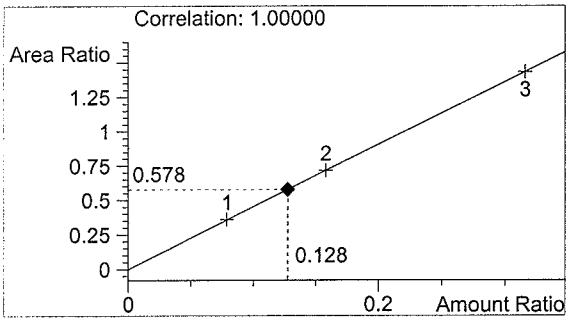
04043d
alouis

vial # 57

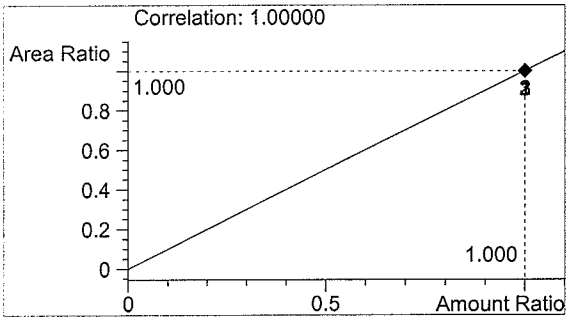


#	Compound	Area	RT
1	Ethanol	729	1.028
2	n-Propanol	1261	1.669

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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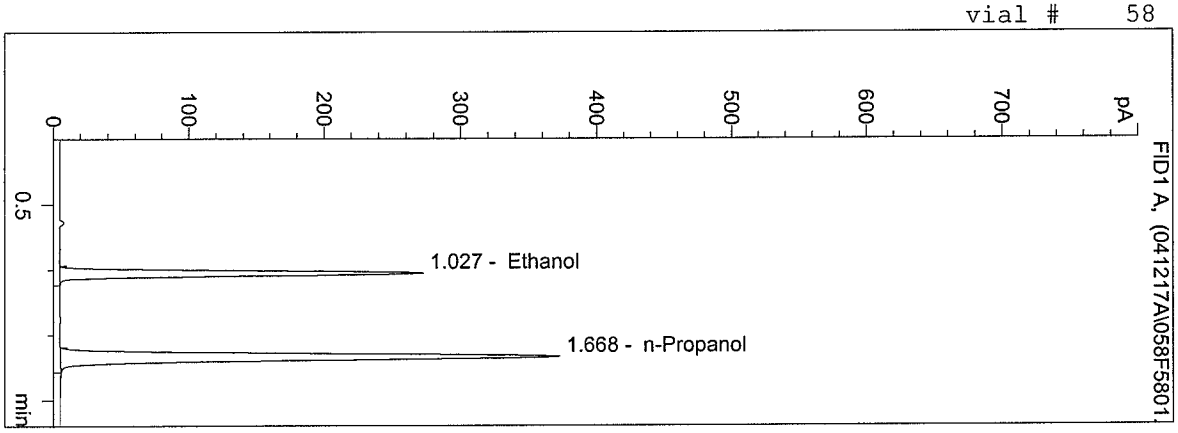
12/17/2004 7:18:55 PM
Instrument 4
DB-ALC1

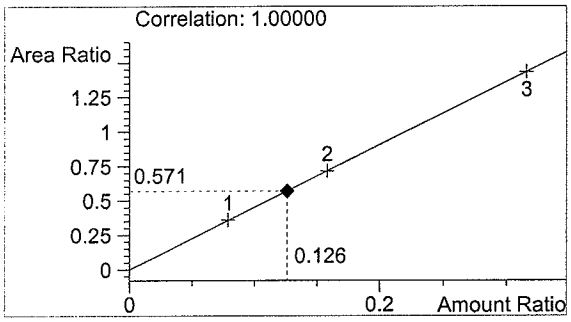
04043e
alouis

vial # 58

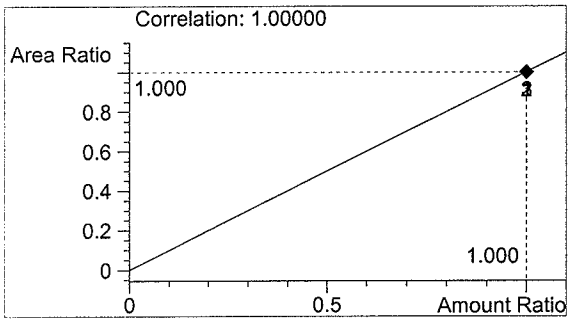


#	Compound	Area	RT
1	Ethanol	728	1.027
2	n-Propanol	1277	1.668

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml