

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

SOLUTION CERTIFICATION DATABASE

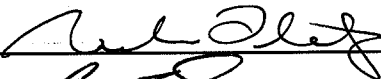

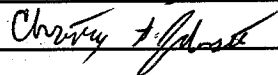
Preparation and certification of **0.15** g/210L Quality Assurance solution
 Batch number **07049** Date prepared: 10/03/2007
 Preparation: 42.3 mL of absolute ethyl alcohol diluted to 18 Liters with water
 Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal 10	Anal 11	Anal 12	Anal 13	Anal 14	Anal 15	Anal 16
1	0.185	0.185	0.185													
2	0.189	0.185	0.185													
3	0.187	0.186	0.186													
4	0.186	0.187	0.185													
5	0.189	0.185	0.188													
Ctrl	0.101	0.098	0.099													

Statistics:
 Avg. solution concent.: 0.1862 g/100 mL
 SD: 0.00147
 Precision CV (%): 0.7914 %

External Control:
 Lot #: A050528 Exp date: ^{MM}07 / ^{YYYY}2011
 Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1514 g/210L

<u>Analyst</u>	<u>Name</u>	<u>Signature</u>	<u>Date Tested</u>
1	Rebecca Flaherty		10/03/2007
2	Asa Louis		10/03/2007
3	Christopher S Johnston		10/05/2007
4			
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16			

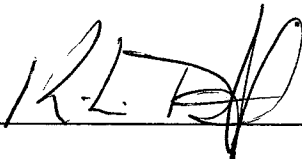
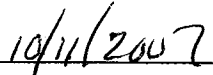
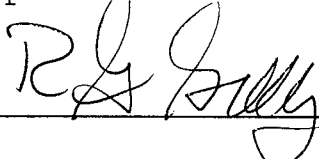
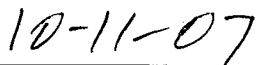
Prepared by: Rebecca Flaherty according to the approved protocol. Final review by: 

Notice of Simulator Solution File Review

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

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

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

	
Tpr. Ken Denton	Date
	
Rod G. Gullberg	Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KEN DENTON / ROB GULLBERG Date 10-11-07

Location TOX LAB SEATTLE Batch Number 07049

Form Review Criteria

Preparation date precedes all analysis dates: Okay X Not Okay

Data entry corresponds to all chromatograms: Okay X Not Okay

All signatures present: Okay X Not Okay

Computations:

Avg. solution concentration: Correct X Not Correct

Standard deviation: Correct X Not Correct

Range: Correct Not Correct

Precision: Correct X Not Correct

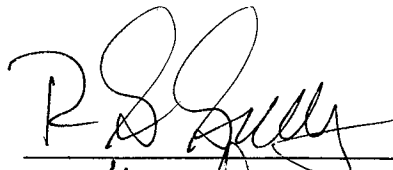
Equivalent vapor concent.: Correct X Not Correct


External Control Information
(lot # and future date): Correct X Not Correct

Complies with accuracy and precision requirements established by the
State Toxicologist: Yes X No

Corrections Necessary:

Comments:

Reviewer Signature:  Date: 10-11-07

Reviewer Signature:  Date: 10/11/2007

CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 07049


I, Asa J. Louis, 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 DataMaster breath test instrument.

I possess the following qualifications: B.S. degree in Biochemistry and eight years of toxicology experience.

The quality assurance solution, Lot Number 07049, was prepared in the Washington State Toxicology Laboratory on 10/3/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/3/2008.

Seattle, WA

 2007 OCT 10

Asa J. Louis Date
Forensic Toxicologist

AJL/jr
AJLQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 07049


I, Rebecca Flaherty, 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 DataMaster breath test instrument.

I possess the following qualifications: BS degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance solution, Lot Number 07049, was prepared in the Washington State Toxicology Laboratory on 10/3/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/3/2008.

Seattle, WA

 10/10/2007
Rebecca Flaherty Date
Forensic Toxicologist

RF/jr
RFQA



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION FOR LOT 07049

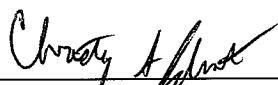
I, Christopher S. Johnston, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance solution, Lot Number 07049, was prepared in the Washington State Toxicology Laboratory on 10/3/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/3/2008.

Seattle, WA

 2007 Oct 10

Christopher S. Johnston Date
Forensic Toxicologist

CSJ/jr
CJQA



Batch Worksheet Check Off

07049

Please check the data entered into the worksheet is correct and that the date to the right of your name is the date that you tested the solution and then sign the worksheet.

Please initial below to affirm that you have:

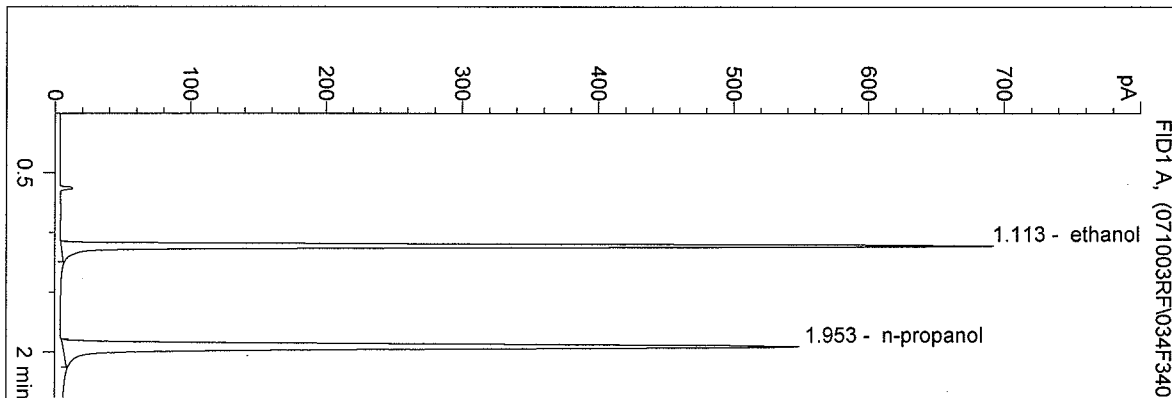
- 1 – Initialed your chromatograms
- 2 – Checked your data
- 3 – Checked the date to the right of your name on the worksheet
- 4 – Signed the worksheet.

Initials	Date
Brianne Akins	
Brittany Ball	
Amanda Black	
Brian Capron	I
Rebecca Flaherty	RF 10/10/2007
Ed Formoso	
Christopher Johnston	CJ 10/10/2007
Justin Knoy	
Asa Louis	AL 2007 OCT 10
Estuardo Miranda	
Christie Mitchell	
Lisa Noble	
Naziha Nuwayhid	
Melissa Pemberton	Reviewed by [Signature] 10-11-07
Brianna Peterson	
Sarah Swenson	

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 DB-ALC2

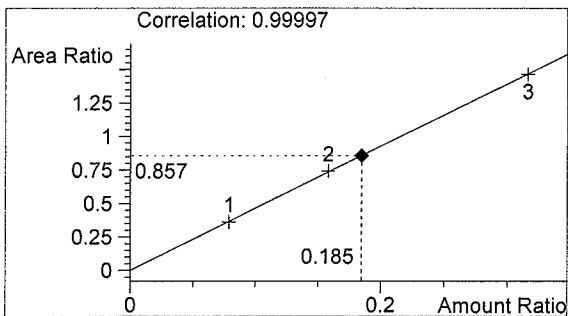
07049-1
 R FLAHERTY

vial # 34

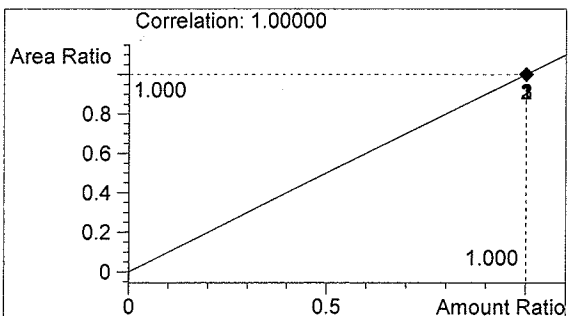


#	Compound	Area	RT
1	ethanol	1399	1.113
2	n-propanol	1632	1.953

Totals:



ethanol 0.185 g/100ml



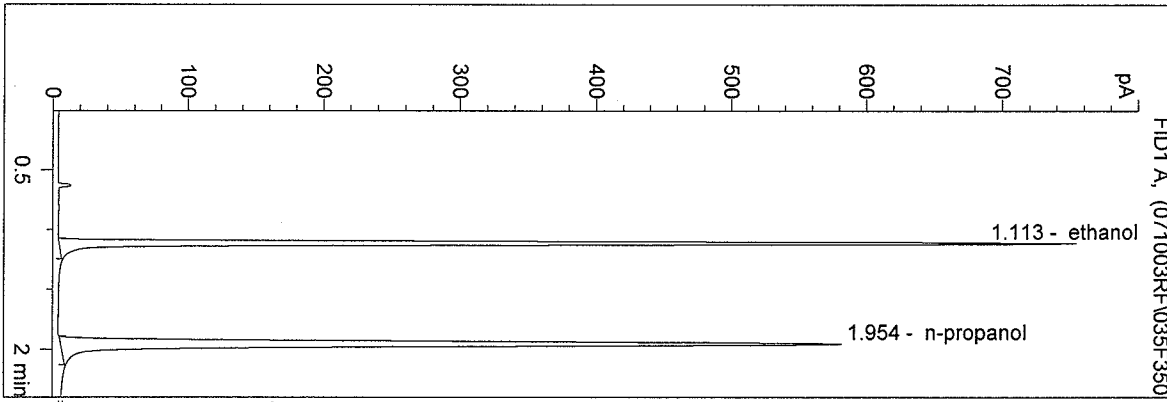
n-propanol 1.000 g/100ml

Calibration filed with
 QA07046
 0.10 Control Lot # A050528
 EXP 07/2011
 RF 10/03/07

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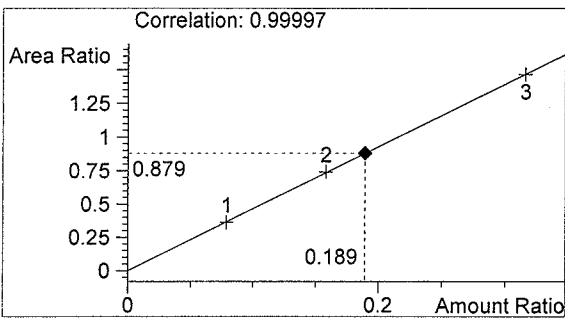
07049-2
 R FLAHERTY

vial # 35

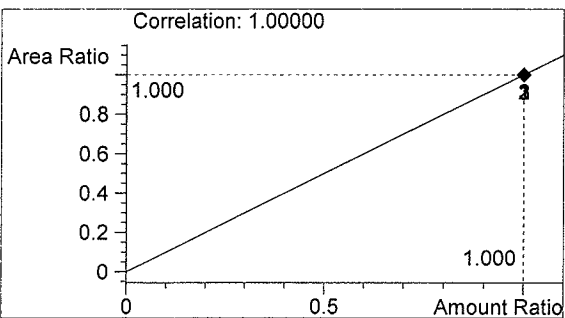


#	Compound	Area	RT
1	ethanol	1521	1.113
2	n-propanol	1731	1.954

Totals:



ethanol 0.189 g/100ml

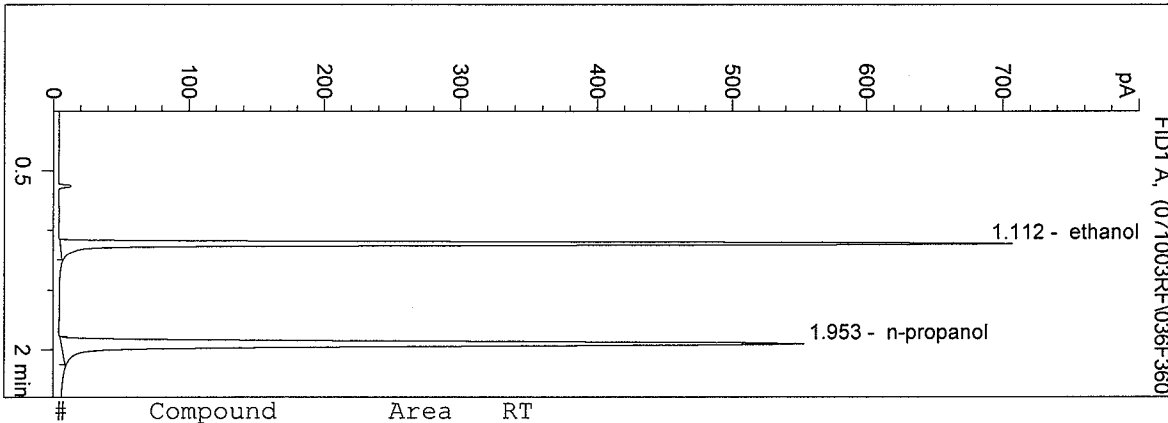


n-propanol 1.000 g/100ml

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 Instrument 5
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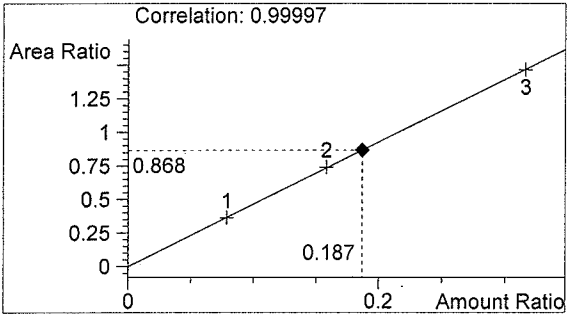
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 R FLAHERTY

vial # 36

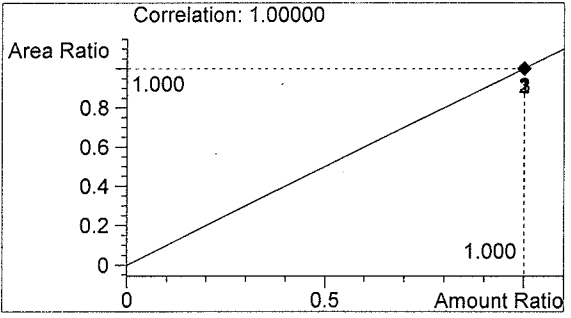


#	Compound	Area	RT
1	ethanol	1425	1.112
2	n-propanol	1641	1.953

Totals:



ethanol 0.187 g/100ml

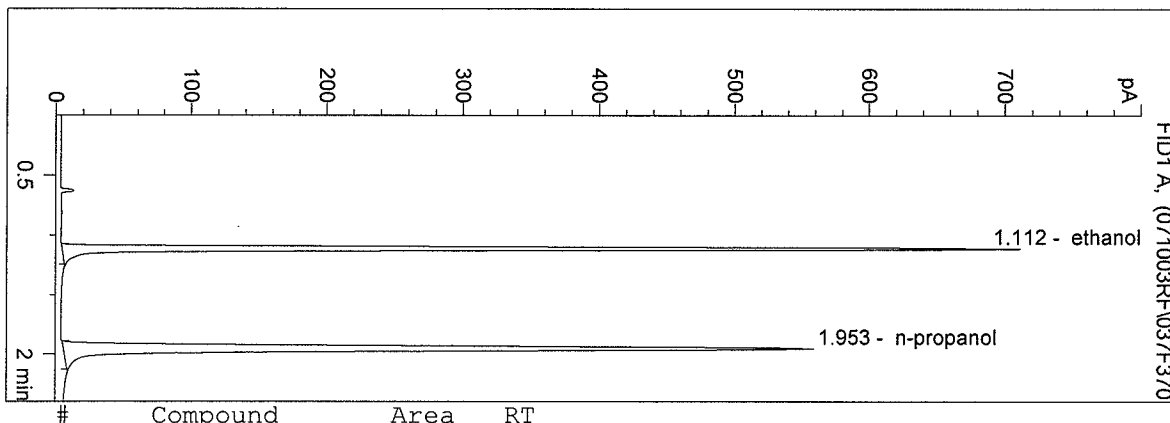


n-propanol 1.000 g/100ml

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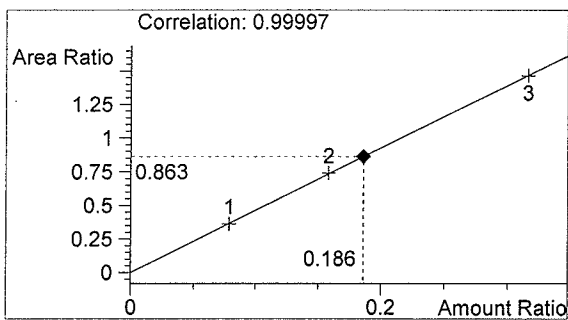
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 R FLAHERTY

vial # 37

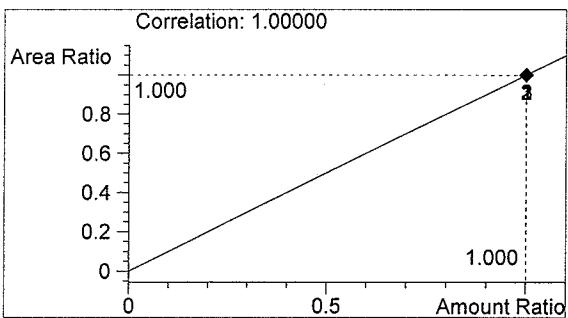


#	Compound	Area	RT
1	ethanol	1431	1.112
2	n-propanol	1658	1.953

Totals:



ethanol 0.186 g/100ml

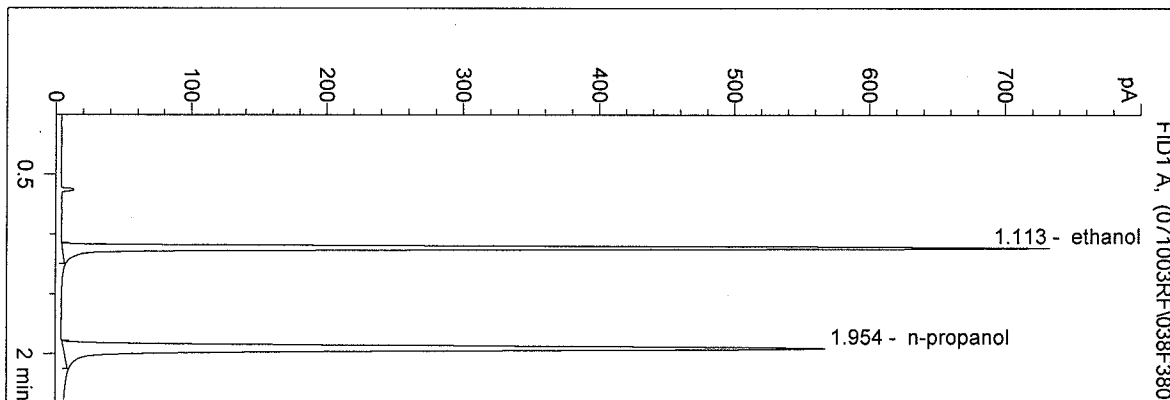


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

07049-5
 R FLAHERTY

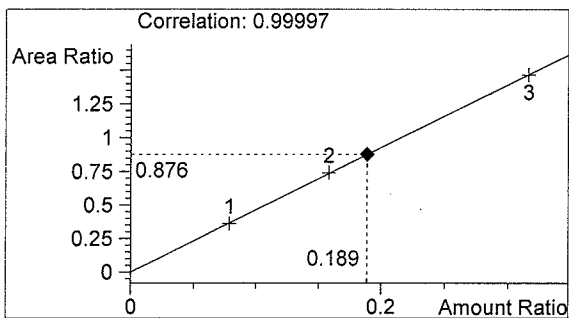
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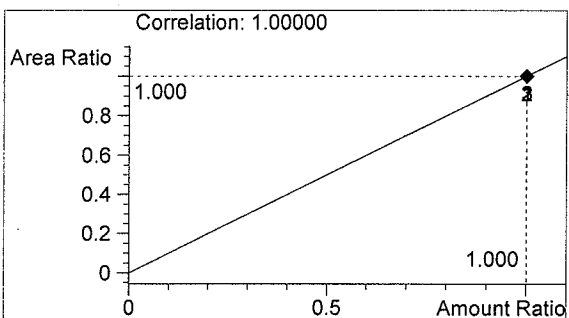
RF

#	Compound	Area	RT
1	ethanol	1478	1.113
2	n-propanol	1687	1.954

Totals:



ethanol 0.189 g/100ml

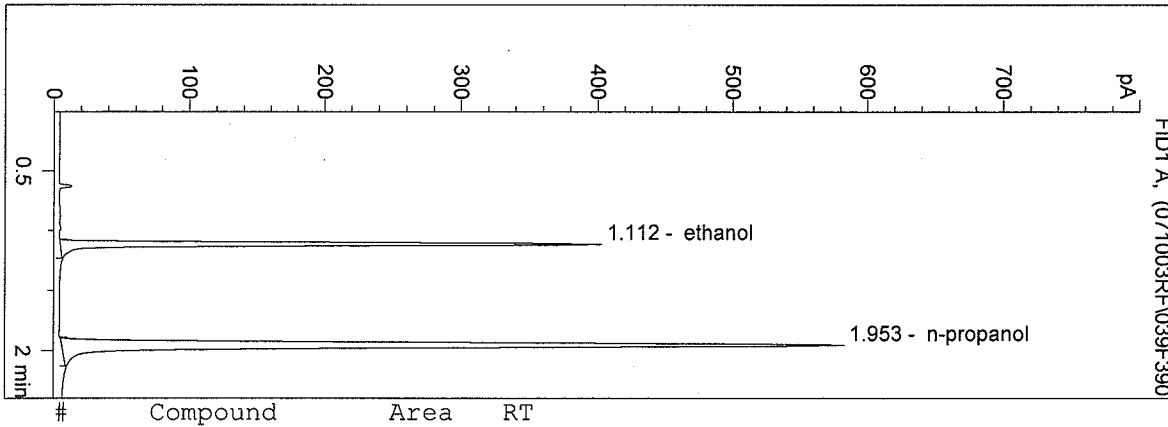


n-propanol 1.000 g/100ml

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 Instrument 5
 DB-ALC2

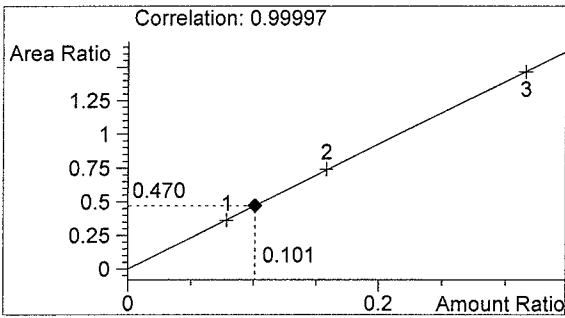
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 R FLAHERTY

vial # 39

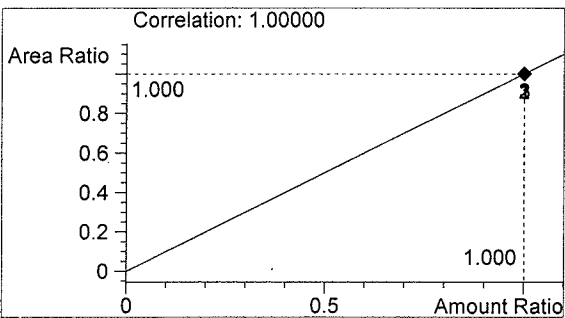


#	Compound	Area	RT
1	ethanol	811	1.112
2	n-propanol	1727	1.953

Totals:



ethanol 0.101 g/100ml

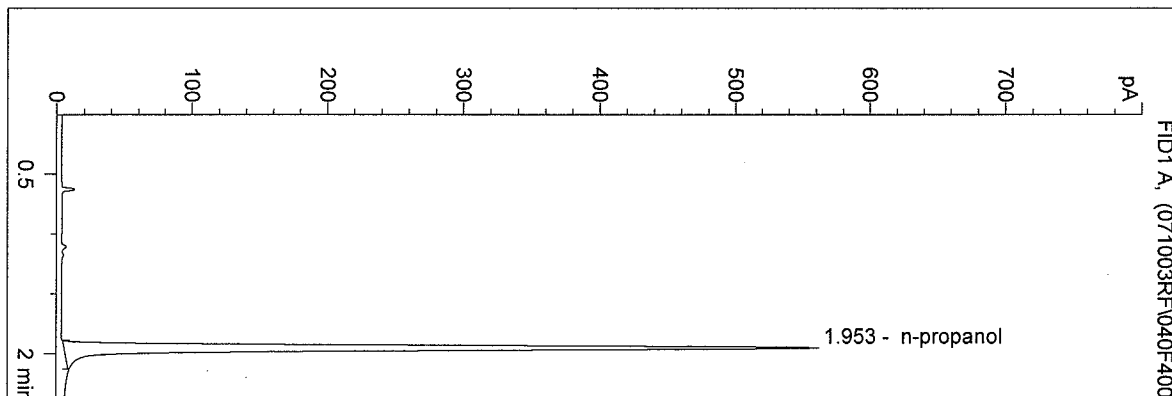


n-propanol 1.000 g/100ml

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 R FLAHERTY

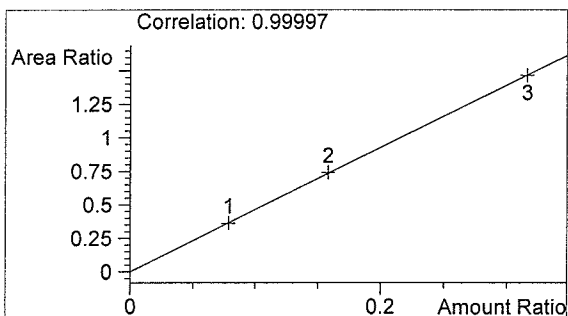
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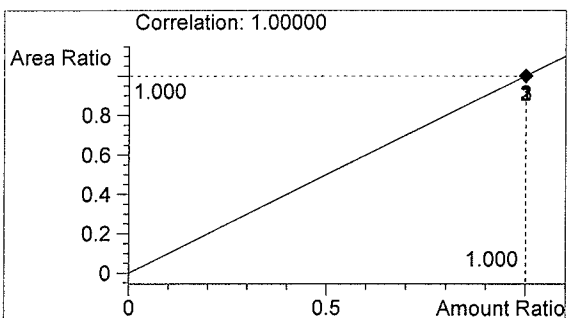
RF

#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1662	1.953

Totals:



ethanol 0.000 g/100ml

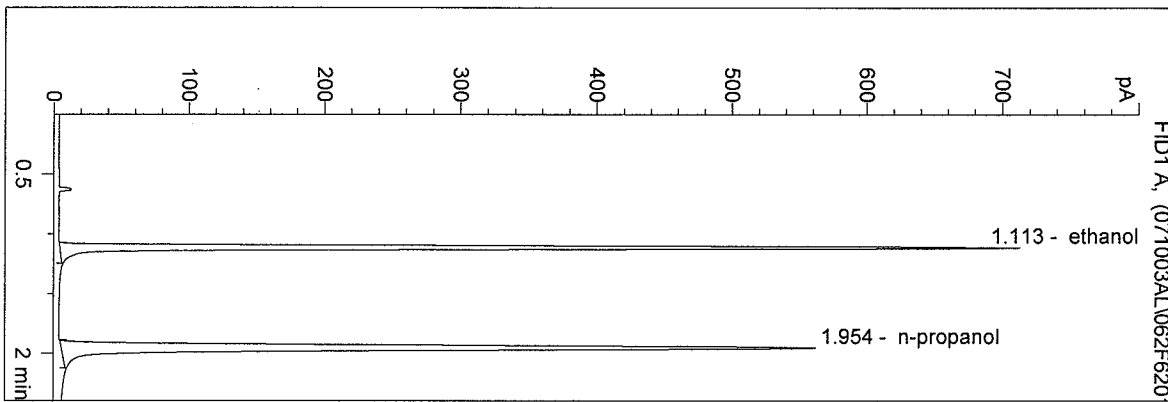


n-propanol 1.000 g/100ml

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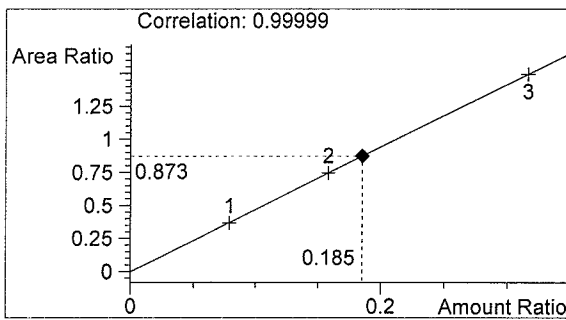
07049a
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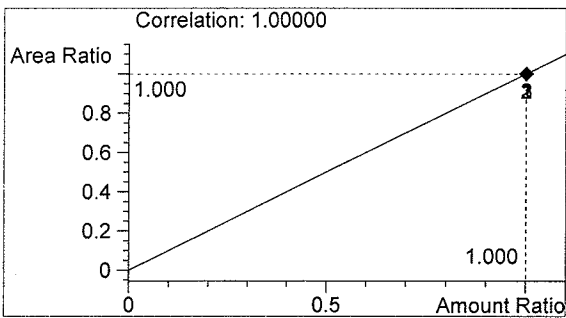


#	Compound	Area	RT
1	ethanol	1460	1.113
2	n-propanol	1672	1.954

Totals:



ethanol 0.185 g/100ml



n-propanol 1.000 g/100ml

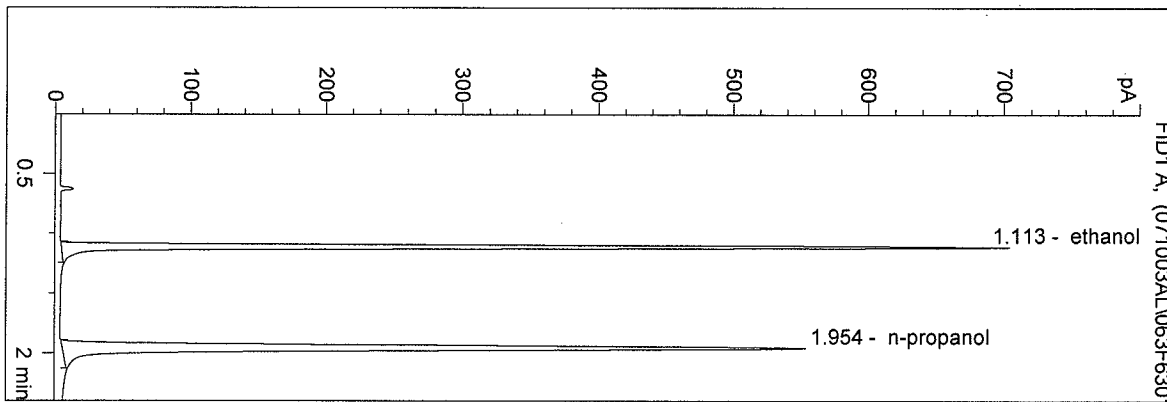
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 2007 OCT 04

Calib 0707775
 con A050528

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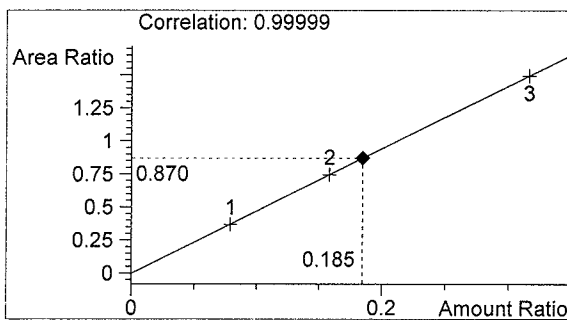
07049b
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vial # 63

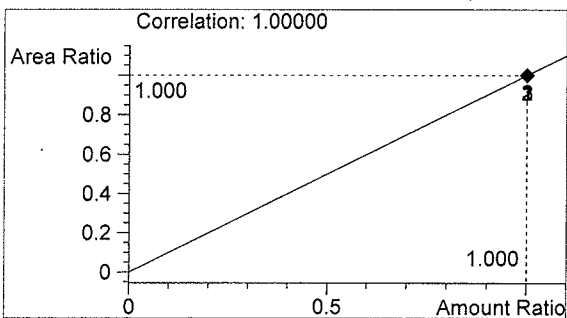


#	Compound	Area	RT
1	ethanol	1437	1.113
2	n-propanol	1651	1.954

Totals:



ethanol 0.185 g/100ml



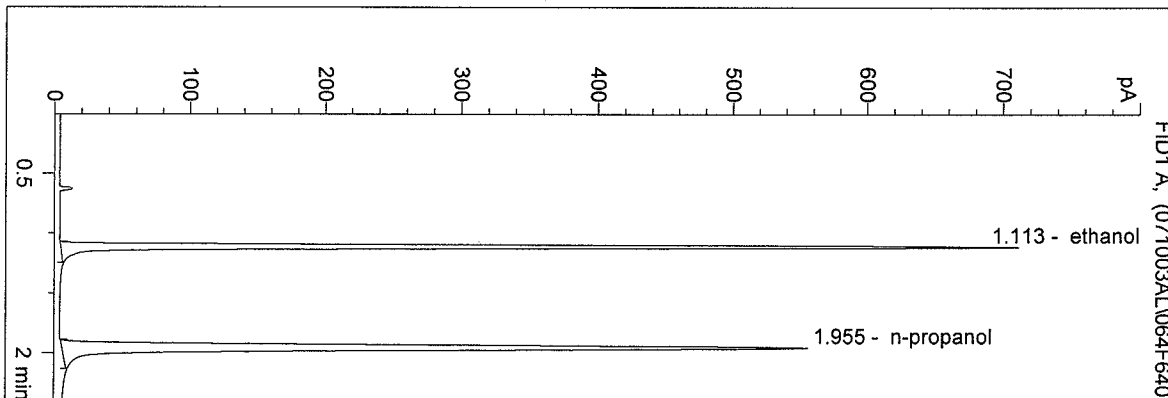
n-propanol 1.000 g/100ml

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 2007 OCT 04

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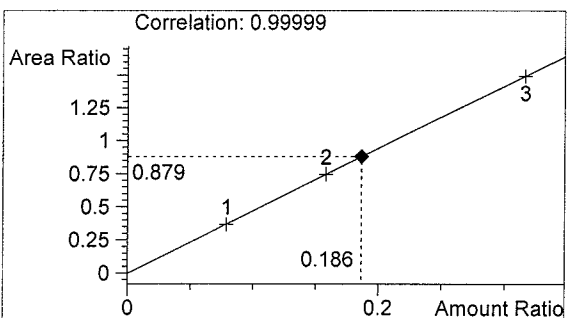
07049c
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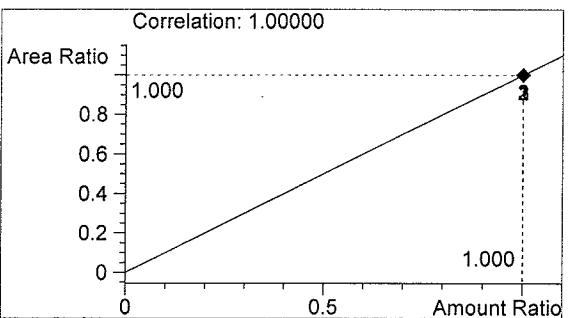


#	Compound	Area	RT
1	ethanol	1462	1.113
2	n-propanol	1663	1.955

Totals:



ethanol 0.186 g/100ml



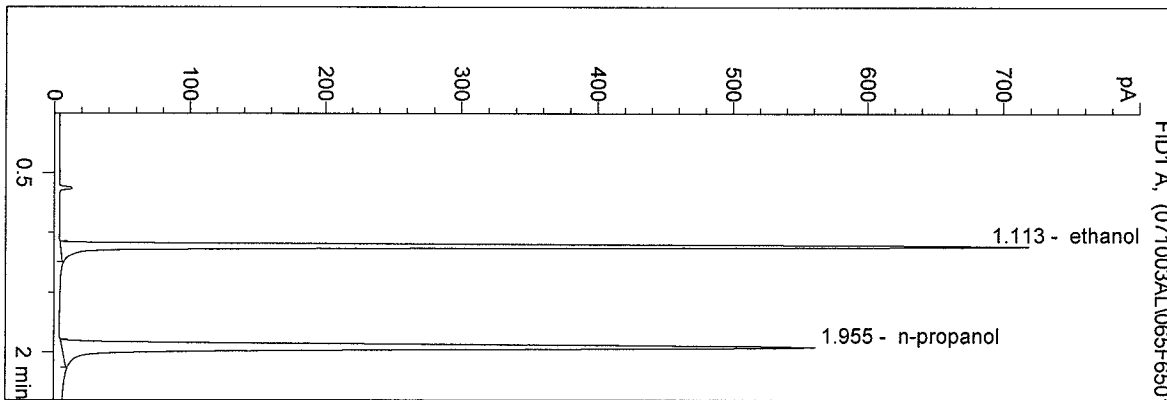
n-propanol 1.000 g/100ml

AR
 2007 OCT 04

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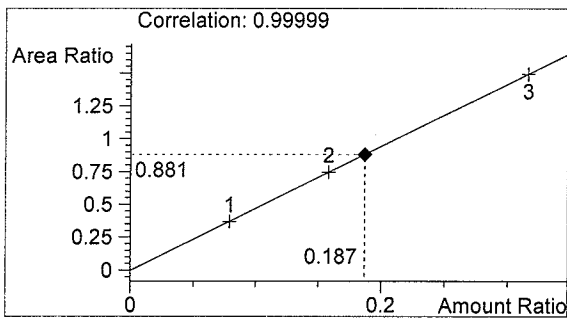
07049d
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vial # 65

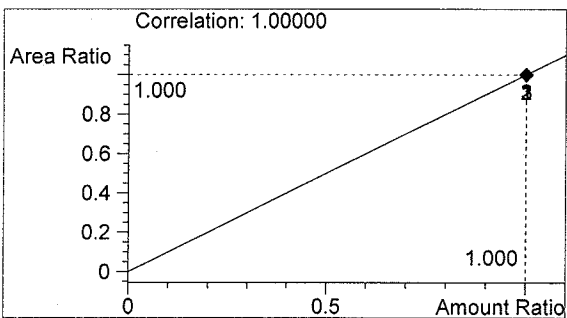


#	Compound	Area	RT
1	ethanol	1475	1.113
2	n-propanol	1674	1.955

Totals:



ethanol 0.187 g/100ml



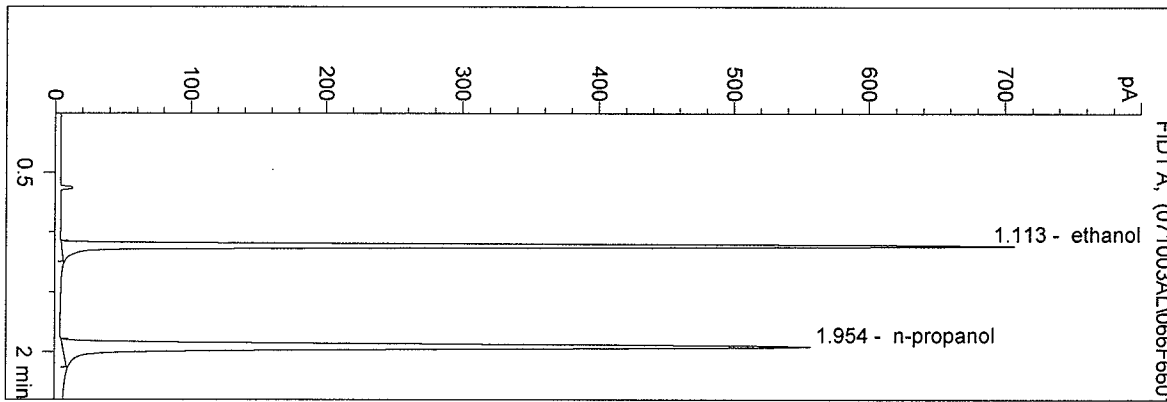
n-propanol 1.000 g/100ml

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 2007 OCT 04

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 Instrument 5
 DB-ALC2

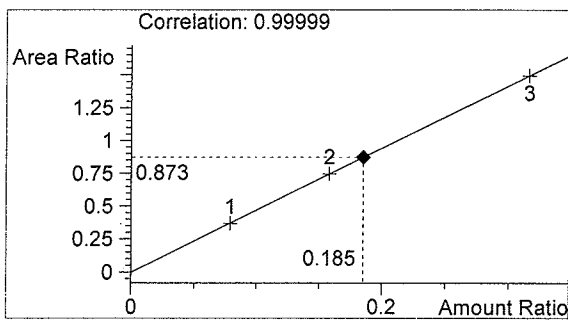
07049e
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vial # 66

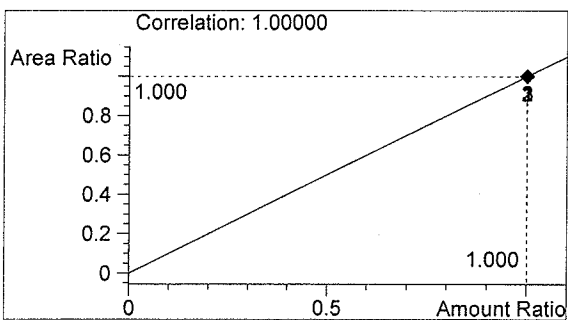


#	Compound	Area	RT
1	ethanol	1448	1.113
2	n-propanol	1660	1.954

Totals:



ethanol 0.185 g/100ml



n-propanol 1.000 g/100ml

AL
 2007 OCT 04

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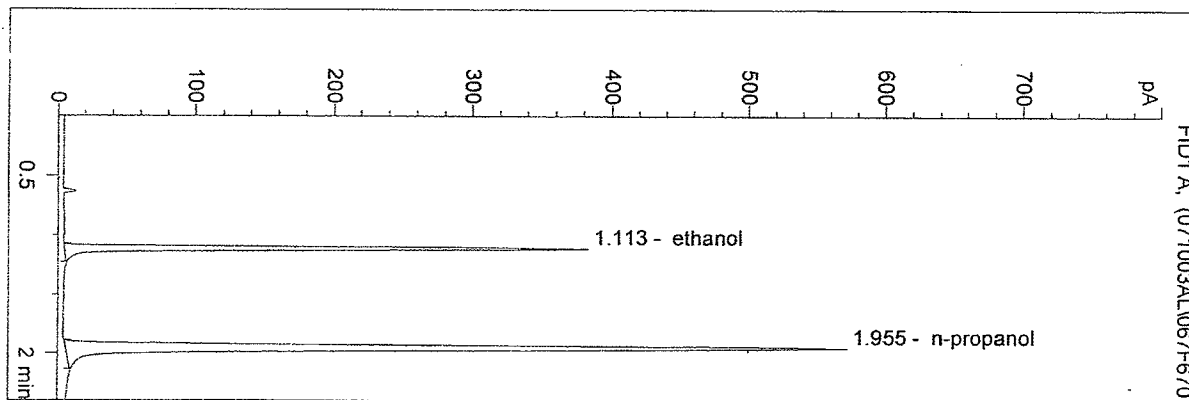
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Instrument 5

DB-ALC3

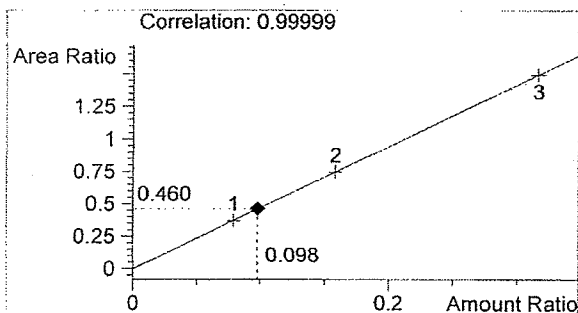
0.10 con al
alouis

vial # 67

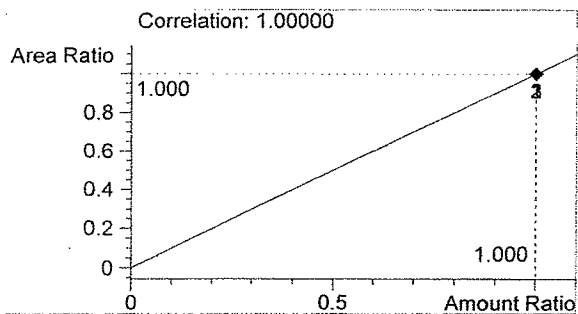


#	Compound	Area	RT
1	ethanol	790	1.113
2	n-propanol	1716	1.955

Totals:



ethanol 0.098 g/100ml



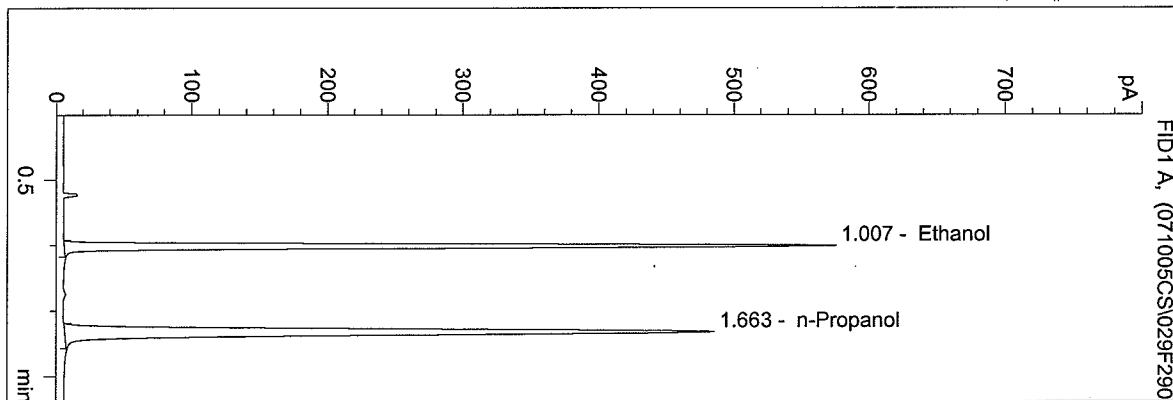
n-propanol 1.000 g/100ml

Handwritten: SL
2007 OCT 04

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 Instrument 4
 DB-ALC1

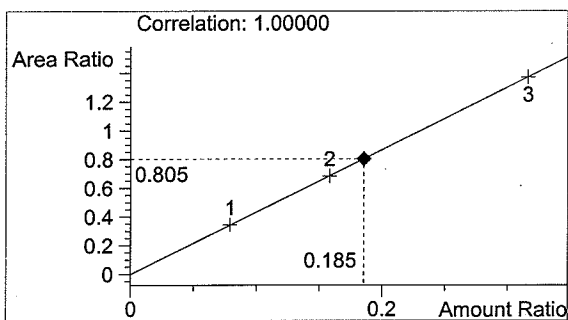
QA 07049-CJ
 chris johnston

vial # 29

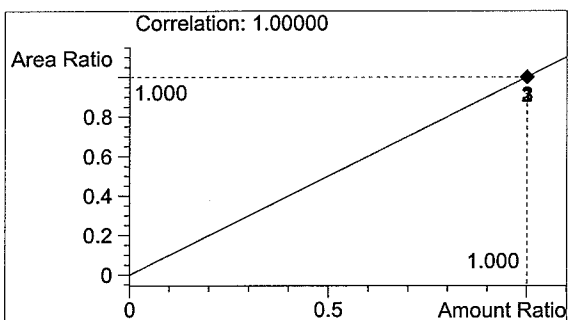


#	Compound	Area	RT
1	Ethanol	1228	1.007
2	n-Propanol	1526	1.663

Totals:



Ethanol 0.185 g/100ml



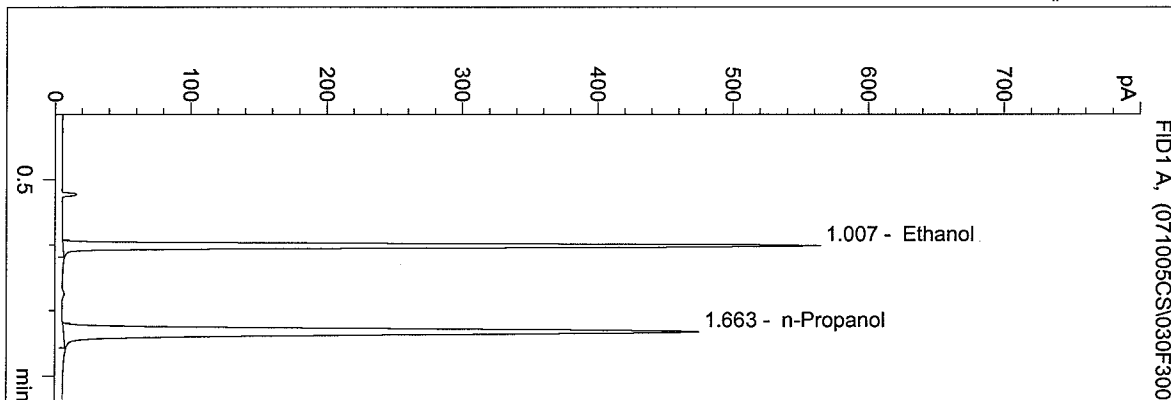
n-Propanol 1.000 g/100ml

CV

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:21:34 PM
 Instrument 4
 DB-ALC1

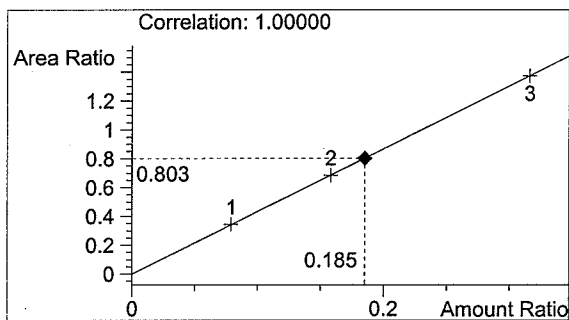
QA 07049-CJ
 chris johnston

vial # 30

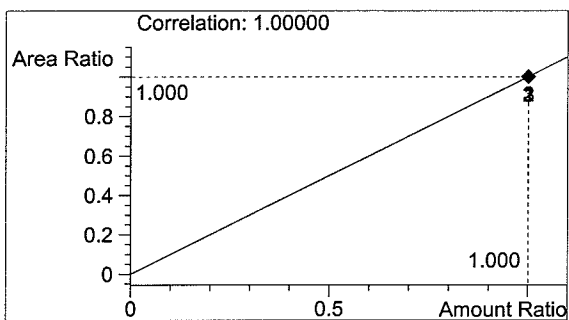


#	Compound	Area	RT
1	Ethanol	1200	1.007
2	n-Propanol	1495	1.663

Totals:



Ethanol 0.185 g/100ml



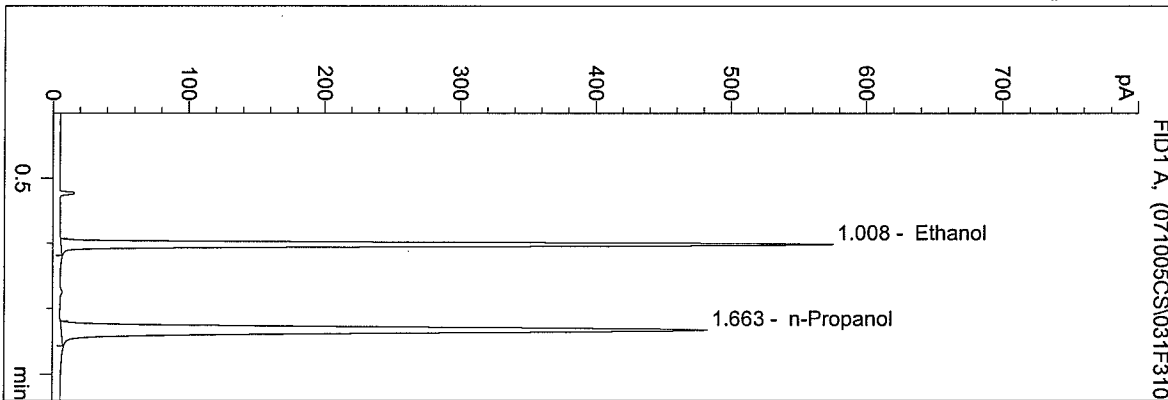
n-Propanol 1.000 g/100ml

CJ

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:24:54 PM
 Instrument 4
 DB-ALC1

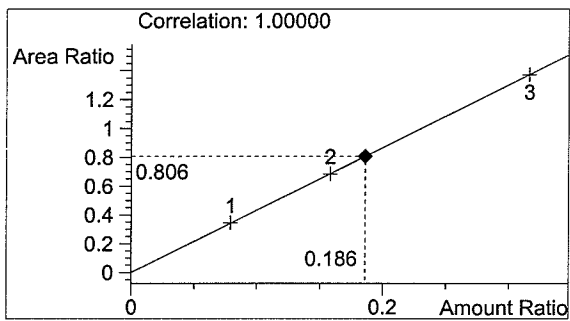
QA 07049-CJ
 chris johnston

vial # 31

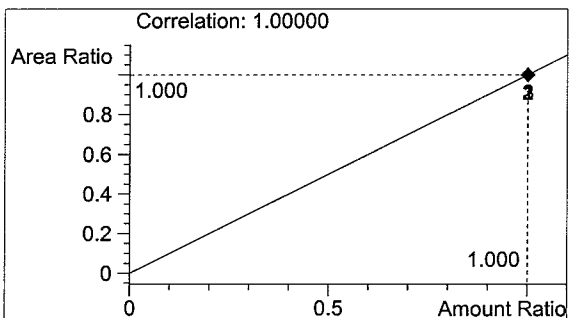


#	Compound	Area	RT
1	Ethanol	1220	1.008
2	n-Propanol	1513	1.663

Totals:



Ethanol 0.186 g/100ml



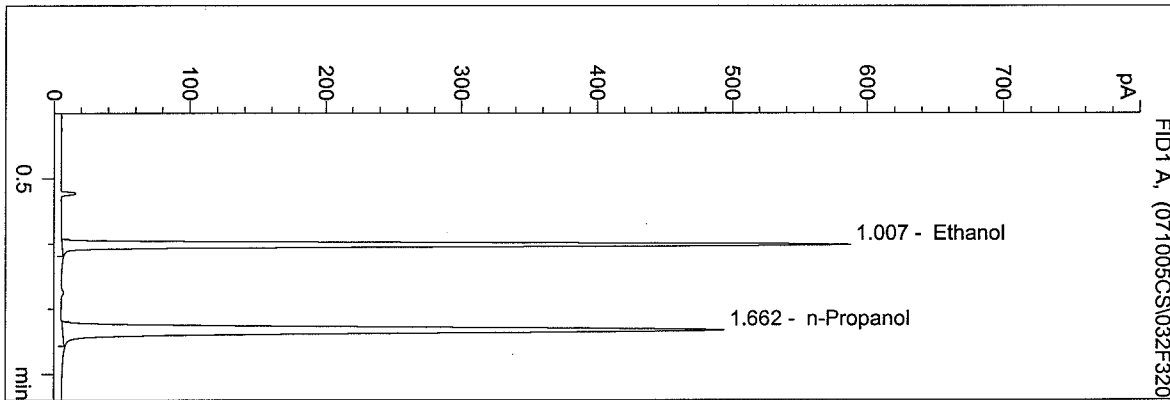
n-Propanol 1.000 g/100ml

02

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:28:14 PM
 Instrument 4
 DB-ALC1

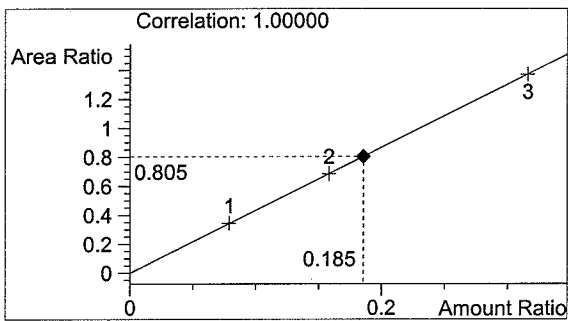
QA 07049-CJ
 chris johnston

vial # 32

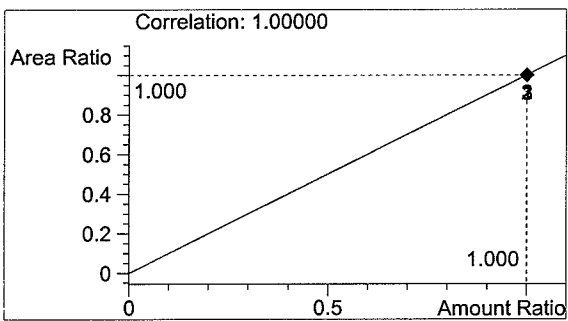


#	Compound	Area	RT
1	Ethanol	1249	1.007
2	n-Propanol	1552	1.662

Totals:



Ethanol 0.185 g/100ml



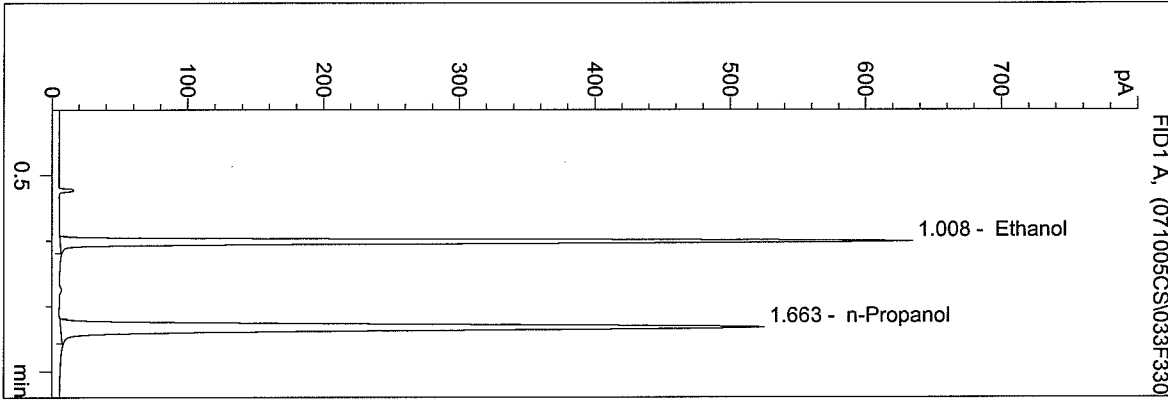
n-Propanol 1.000 g/100ml

CJ

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:31:34 PM
 Instrument 4
 DB-ALC1

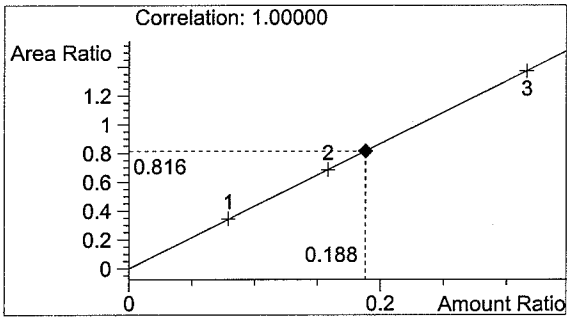
QA 07049-CJ
 chris johnston

vial # 33

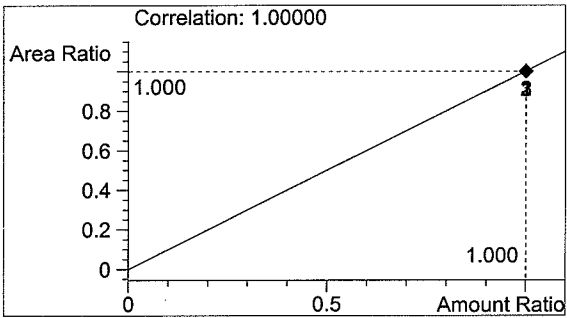


#	Compound	Area	RT
1	Ethanol	1345	1.008
2	n-Propanol	1650	1.663

Totals:



Ethanol 0.188 g/100ml



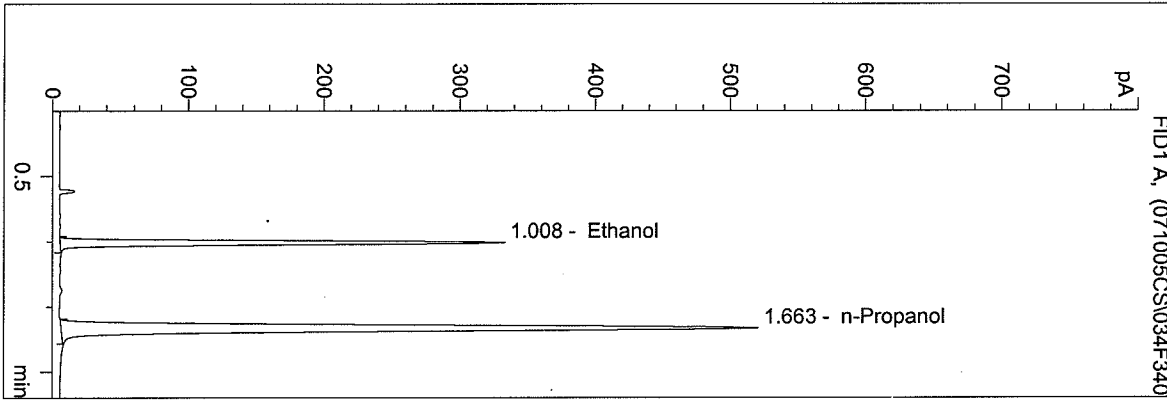
n-Propanol 1.000 g/100ml

CJ

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:34:52 PM
 Instrument 4
 DB-ALC1

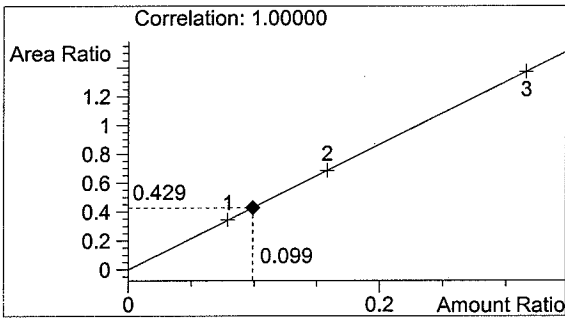
0.10 CTRL CJ
 chris johnston

vial # 34

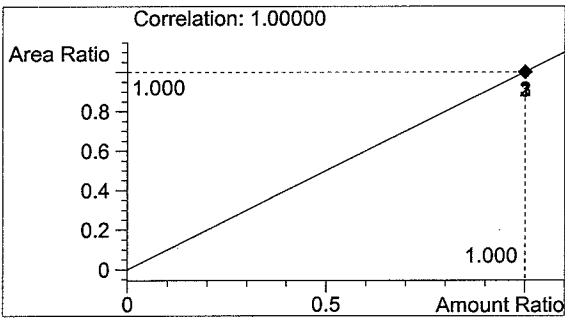


#	Compound	Area	RT
1	Ethanol	701	1.008
2	n-Propanol	1636	1.663

Totals:



Ethanol 0.099 g/100ml



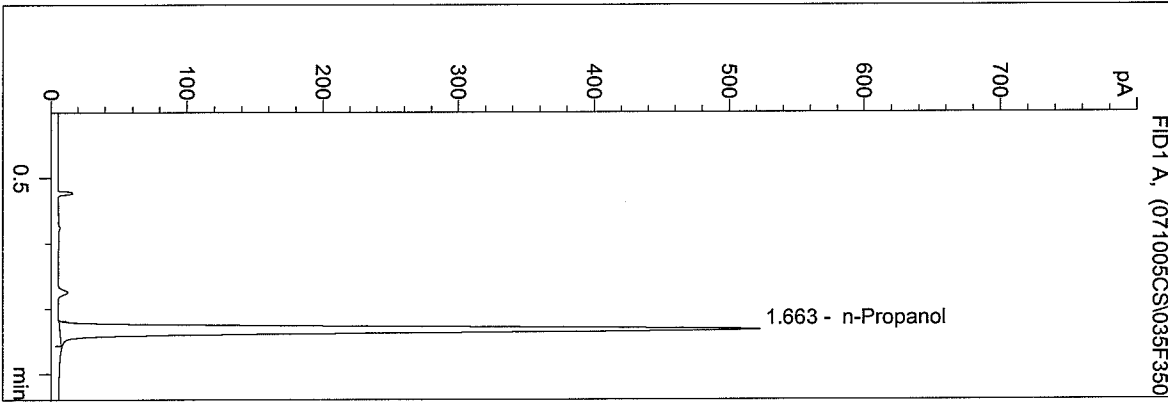
n-Propanol 1.000 g/100ml

2

D:\HPCHEM\1\METHODS\BLDALCO.M
 10/5/2007 8:46:48 PM
 Instrument 4
 DB-ALC1

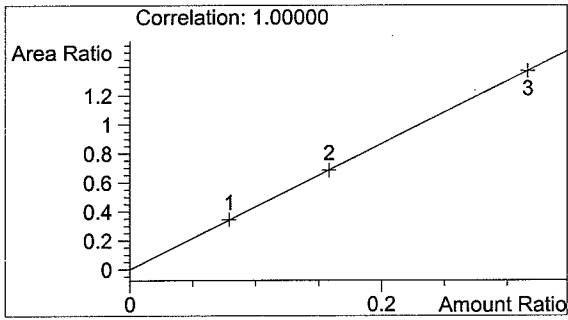
BLANK
 chris johnston

vial # 35

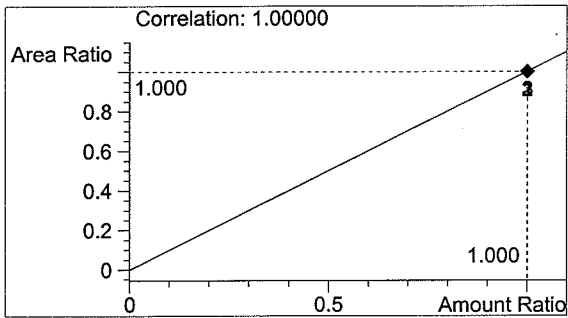


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1645	1.663

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

W

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	SIM 07045 -CJ	BLDALCO	1	Sample		
2	Vial 2	SIM 07045 -CJ	BLDALCO	1	Sample		
3	Vial 3	SIM 07045 -CJ	BLDALCO	1	Sample		
4	Vial 4	SIM 07045 -CJ	BLDALCO	1	Sample		
5	Vial 5	SIM 07045 -CJ	BLDALCO	1	Sample		
6	Vial 6	0.10 CTRL CJ	BLDALCO	1	Ctrl Samp		
7	Vial 7	BLANK	BLDALCO	1	Sample		
8	Vial 8	QA 07046-CJ	BLDALCO	1	Sample		
9	Vial 9	QA 07046-CJ	BLDALCO	1	Sample		
10	Vial 10	QA 07046-CJ	BLDALCO	1	Sample		
11	Vial 11	QA 07046-CJ	BLDALCO	1	Sample		
12	Vial 12	QA 07046-CJ	BLDALCO	1	Sample		
13	Vial 13	0.10 CTRL CJ	BLDALCO	1	Ctrl Samp		
14	Vial 14	BLANK	BLDALCO	1	Sample		
15	Vial 15	QA 07047-CJ	BLDALCO	1	Sample		
16	Vial 16	QA 07047-CJ	BLDALCO	1	Sample		
17	Vial 17	QA 07047-CJ	BLDALCO	1	Sample		
18	Vial 18	QA 07047-CJ	BLDALCO	1	Sample		
19	Vial 19	QA 07047-CJ	BLDALCO	1	Sample		
20	Vial 20	0.10 CTRL CJ	BLDALCO	1	Ctrl Samp		
21	Vial 21	BLANK	BLDALCO	1	Sample		
22	Vial 22	QA 07048-CJ	BLDALCO	1	Sample		
23	Vial 23	QA 07048-CJ	BLDALCO	1	Sample		
24	Vial 24	QA 07048-CJ	BLDALCO	1	Sample		
25	Vial 25	QA 07048-CJ	BLDALCO	1	Sample		
26	Vial 26	QA 07048-CJ	BLDALCO	1	Sample		
27	Vial 27	0.10 CTRL CJ	BLDALCO	1	Ctrl Samp		
28	Vial 28	BLANK	BLDALCO	1	Sample		
29	Vial 29	QA 07049-CJ	BLDALCO	1	Sample		
30	Vial 30	QA 07049-CJ	BLDALCO	1	Sample		
31	Vial 31	QA 07049-CJ	BLDALCO	1	Sample		
32	Vial 32	QA 07049-CJ	BLDALCO	1	Sample		
33	Vial 33	QA 07049-CJ	BLDALCO	1	Sample		
34	Vial 34	0.10 CTRL CJ	BLDALCO	1	Ctrl Samp		
35	Vial 35	BLANK	BLDALCO	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

CALIBRATION IN SIM 07045

CJ