

**WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW**



Reviewer/s: FREN BENTON / ROA GULLBERG Date: 1-14-2008
 Location: TOX LAB SEATTLE Solution Batch Number: 03017

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

Comments:

NO CONTROL CHROMATOGRAM FOR BILL STANLEY

Reviewer Signature: [Signature] Date: 1-14-2008
 Reviewer Signature: [Signature] Date: 1-14-2008

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 **0.15 g/210L Quality Assurance solution**

Batch number **03017**

Date: 6/6/2003

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	Anal10	Anal 11	Anal 12
1	0.188	0.190	0.186									
2	0.187	0.190	0.186									
3	0.188	0.190	0.187									
4	0.187	0.190	0.187									
5	0.188	0.189	0.187									
Ctrl	0.100	0.103	0.100									

External Control:

Lot #: A022167 Exp date: 01/05

Target concentration: 0.10 g/100mL

Statistics:


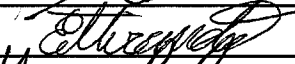
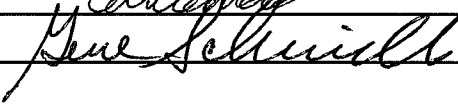
Avg. solution concent.: 0.1880 g/100 mL

SD: 0.00146

Range (3xSD): 0.1836 to 0.1924

Precision CV (%): 0.7786 %

Equivalent vapor concent.: 0.1528 g/210L

Analyst	Name	Signature	Date
1	William P Marshall		06/06/03
2	Estuardo J. Miranda		06/06/03
3	Eugene Schwilke		06/09/03
4			
5			
6			
7			
8			
9			
10			
11			
12			

Prepared by: William P Marshall according to the approved protocol



STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

BAC VERIFIER DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

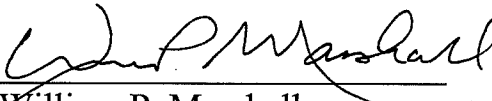
I, William P. Marshall, do certify under penalty of perjury as follows:

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 Chemistry and twenty-nine years of analytical laboratory experience including thirteen years of toxicology experience.

The quality assurance solution, Lot Number 03017 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1880 grams per 100ml.

Dated: 6/16/03
Seattle, WA



William P. Marshall
Forensic Toxicologist

WM/bf
WMQA





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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 five years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 03017 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1880 grams per 100ml.

Dated: 6/16/03
Seattle, WA

Estuardo J. Miranda
Forensic Toxicologist

EM/bf
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.





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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, Eugene W. Schwilke, 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 Biology, Board Certification from the American Board of Forensic Toxicology, and six years of experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 03017 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1880 grams per 100ml.

Dated: 6/16/03
Seattle, WA


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

GS/bf
GSQA

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6/6/03 4:14:19 PM

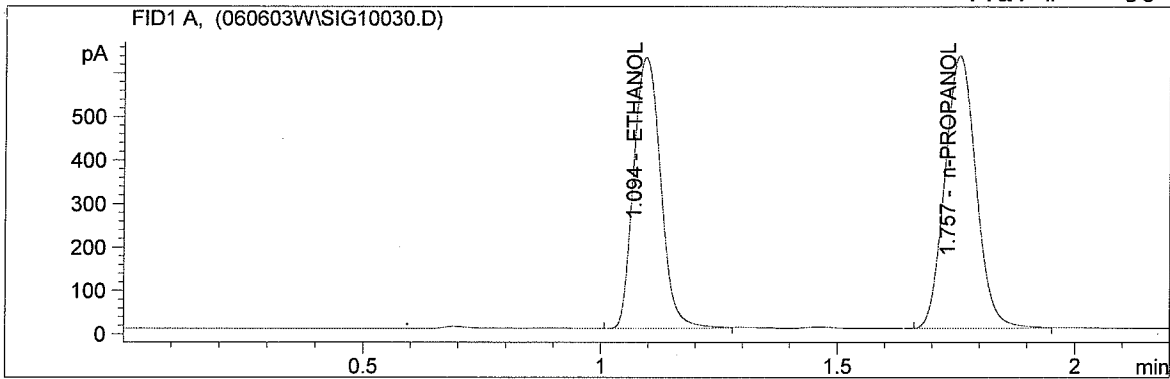
Instrument 3

ALC1

QA 03017 .15

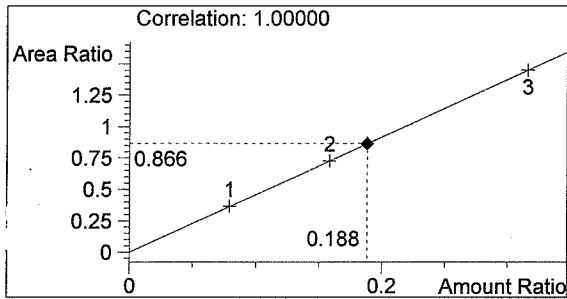
WP MARSHALL

vial # 30

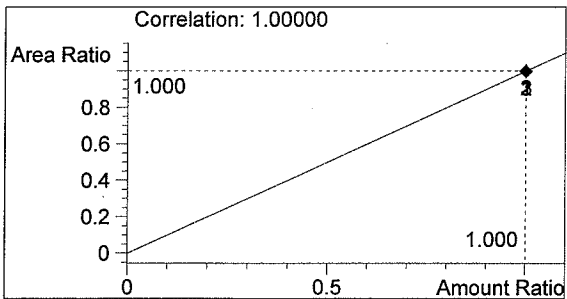


#	Compound	Area	RT
1	ETHANOL	2483	1.094
2	n-PROPANOL	2868	1.757

Totals:



ETHANOL 0.188 g/100mL



n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M

6/6/03 4:17:42 PM

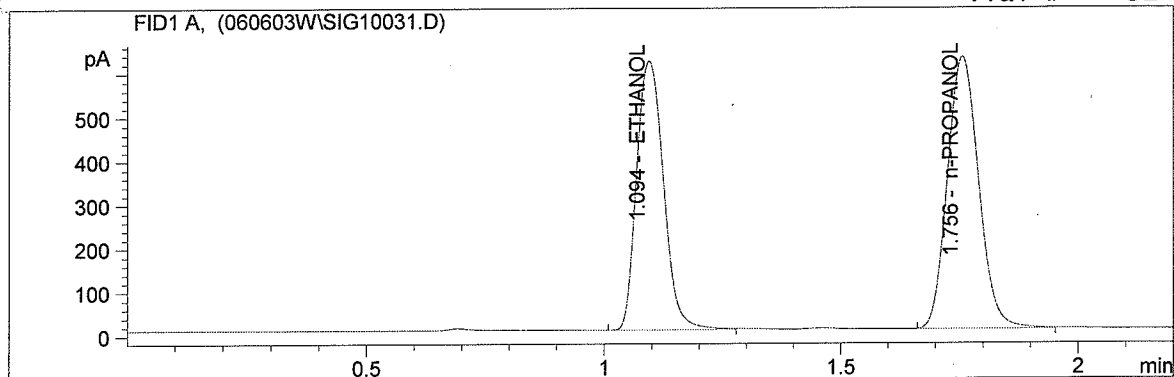
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ALC1

QA 03017 .15

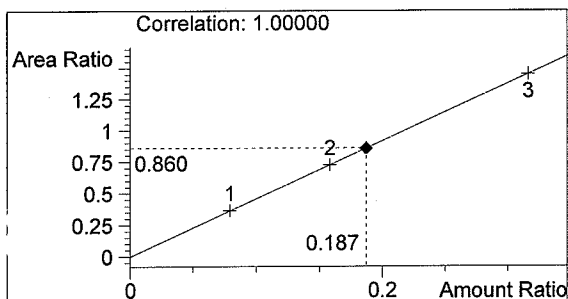
WP MARSHALL

vial # 31

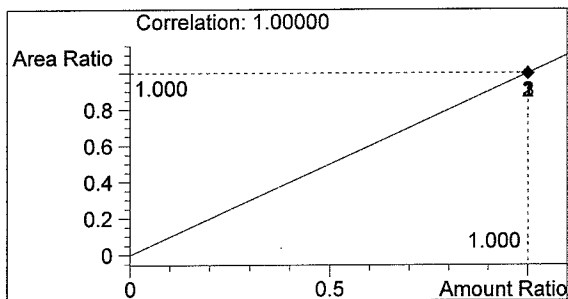


#	Compound	Area	RT
1	ETHANOL	2441	1.094
2	n-PROPANOL	2838	1.756

Totals:



ETHANOL 0.187 g/100mL

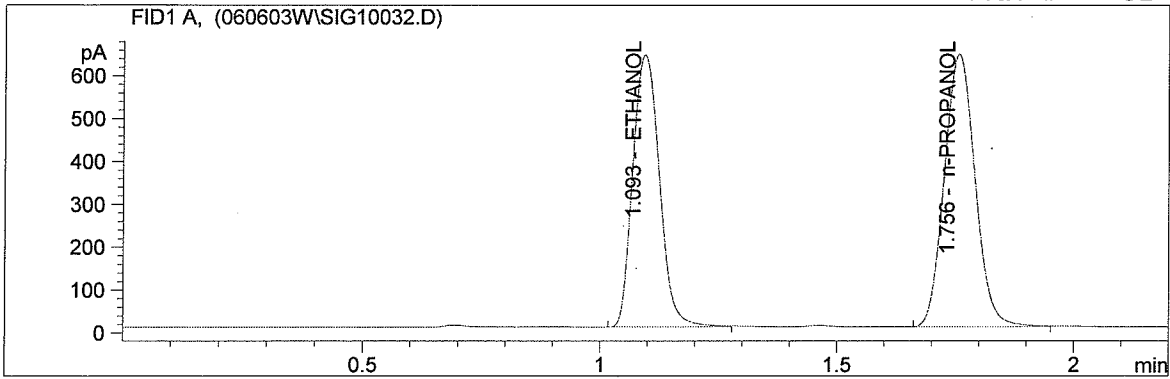


n-PROPANOL 1.000 g/100mL

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 Instrument 3
 ALC1

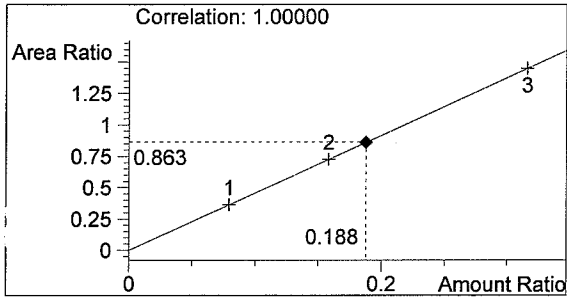
QA 03017 .15
 WP MARSHALL

vial # 32

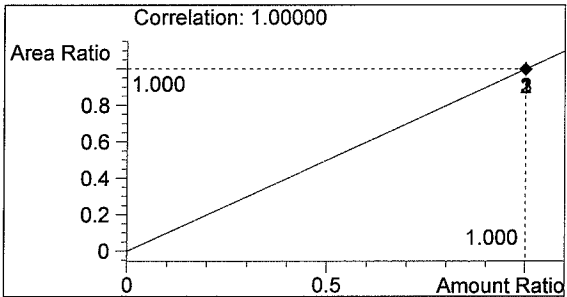


#	Compound	Area	RT
1	ETHANOL	2495	1.093
2	n-PROPANOL	2890	1.756

Totals:



ETHANOL 0.188 g/100mL

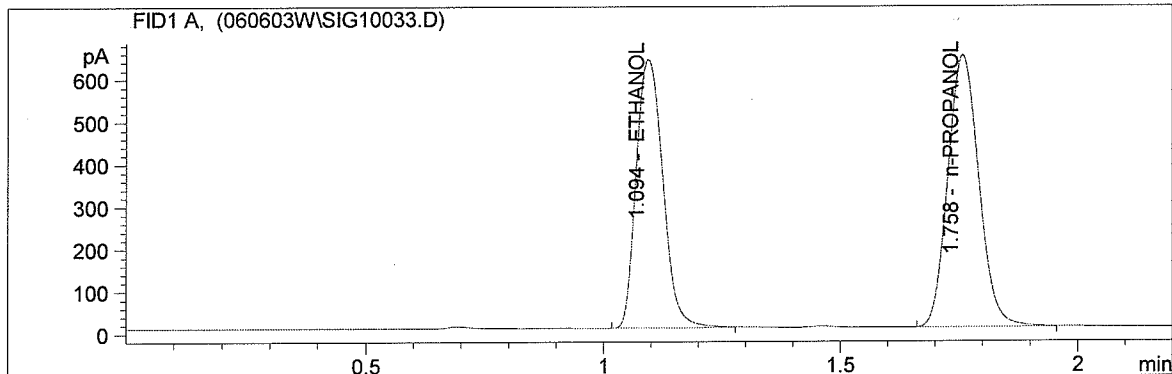


n-PROPANOL 1.000 g/100mL

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 Instrument 3
 ALC1

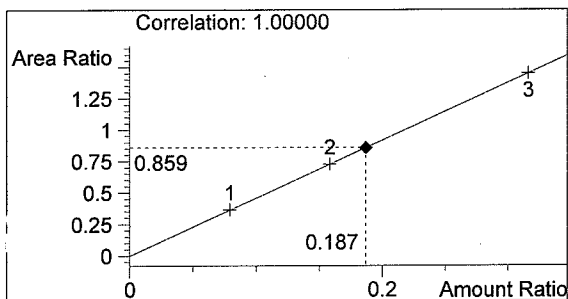
QA 03017 .15
 WP MARSHALL

vial # 33

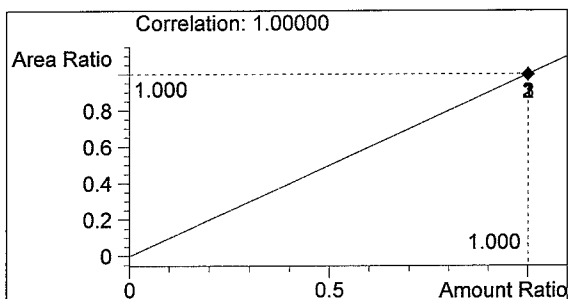


#	Compound	Area	RT
1	ETHANOL	2501	1.094
2	n-PROPANOL	2911	1.758

Totals:



ETHANOL 0.187 g/100mL



n-PROPANOL 1.000 g/100mL

C:\HPCHEM\1\METHODS\BLDALCO3.M

6/6/03 4:27:50 PM

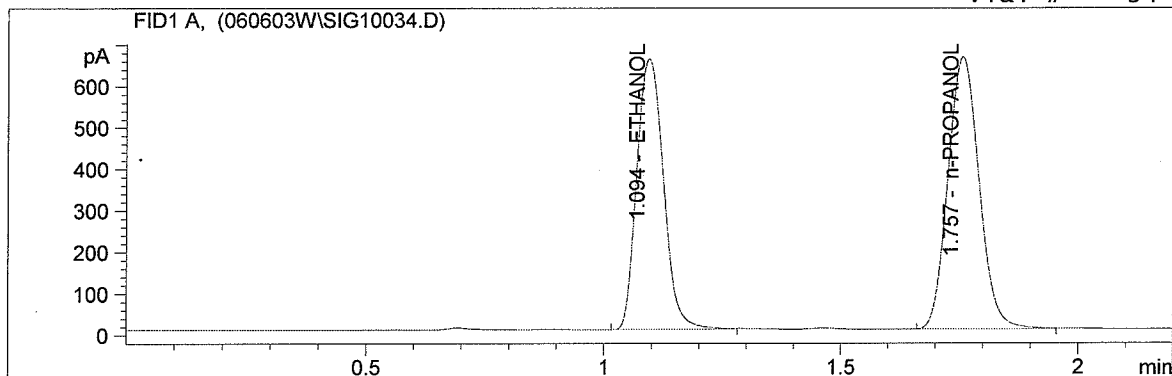
Instrument 3

ALC1

QA 03017 .15

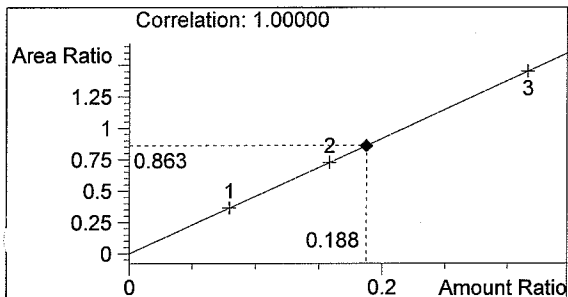
WP MARSHALL

vial # 34

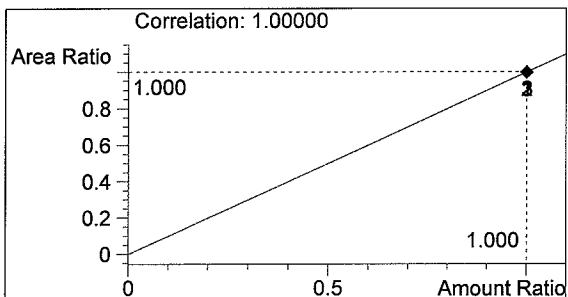


#	Compound	Area	RT
1	ETHANOL	2580	1.094
2	n-PROPANOL	2991	1.757

Totals:



ETHANOL 0.188 g/100mL

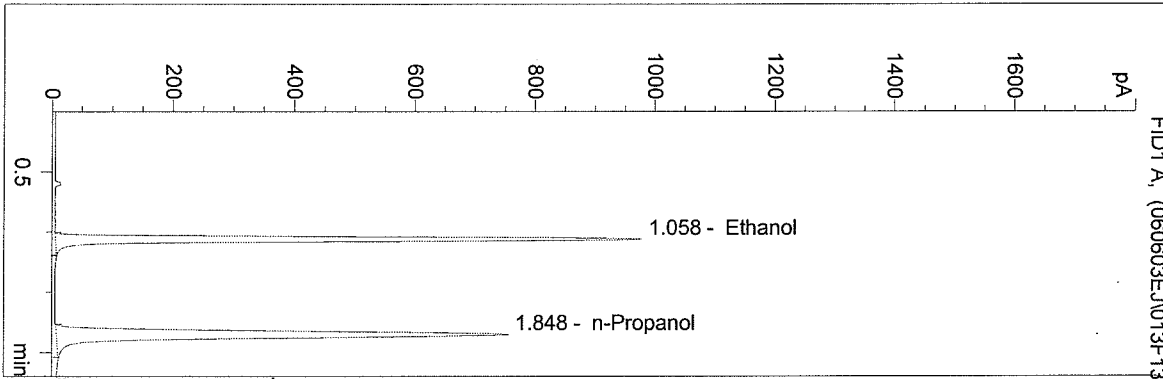


n-PROPANOL 1.000 g/100mL

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 Instrument 2
 ALC1

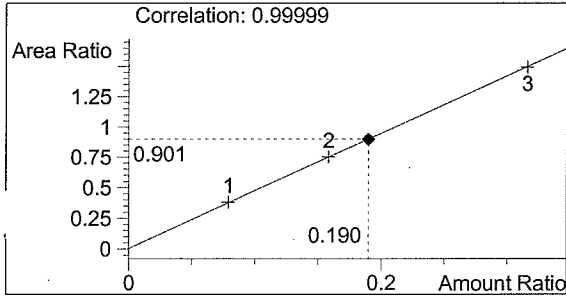
Q.C. 03017
 Estuardo J. Miranda

vial # 13

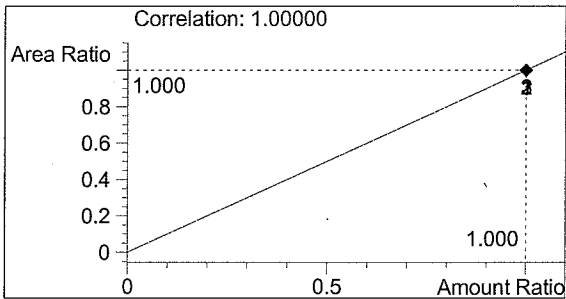


#	Compound	Area	RT
1	Ethanol	2610	1.058
2	n-Propanol	2898	1.848

Totals:



Ethanol 0.190 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/6/03 3:03:48 PM

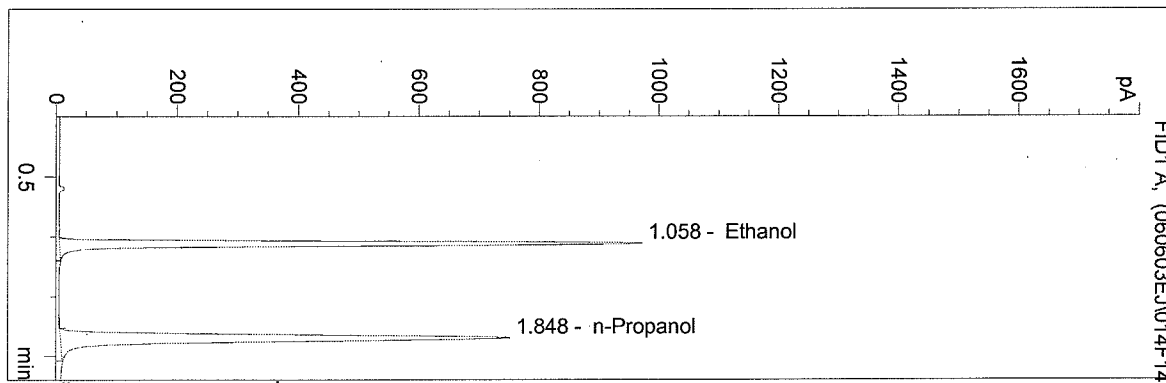
Instrument 2

ALC1

Q.C. 03017

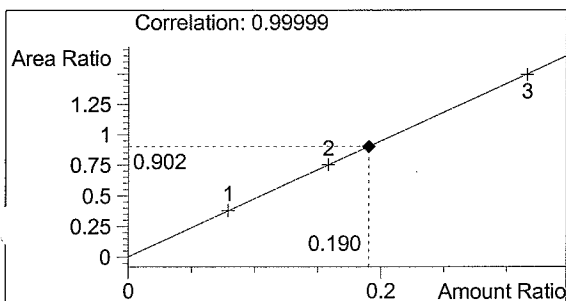
Estuardo J. Miranda

vial # 14

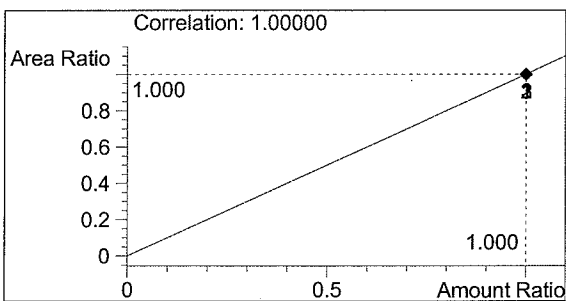


#	Compound	Area	RT
1	Ethanol	2595	1.058
2	n-Propanol	2876	1.848

Totals:



Ethanol 0.190 g/100ml

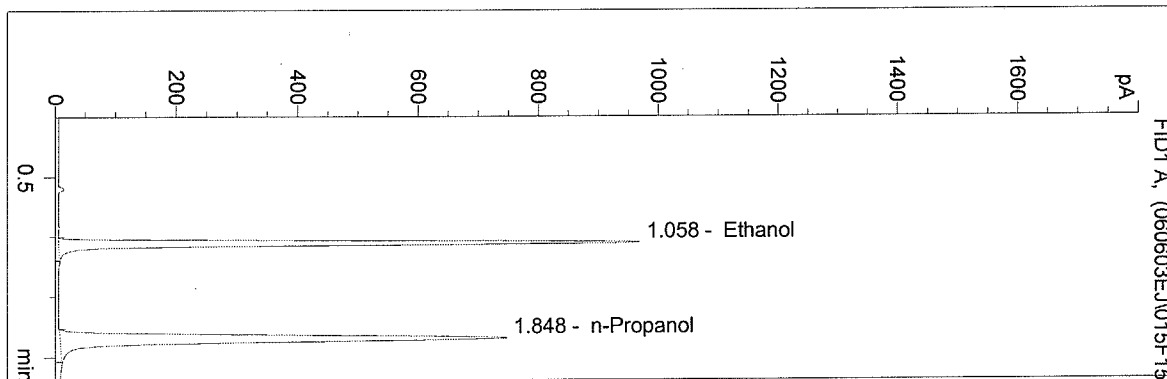


n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M
 6/6/03 3:06:50 PM
 Instrument 2
 ALC1

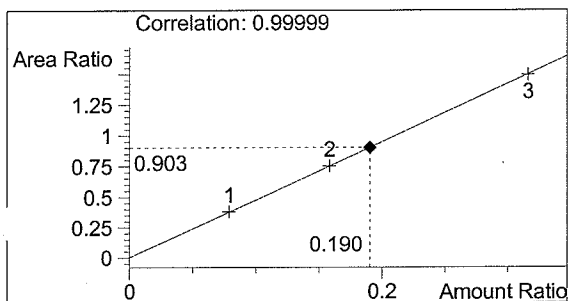
Q.C. 03017
 Estuardo J. Miranda

vial # 15

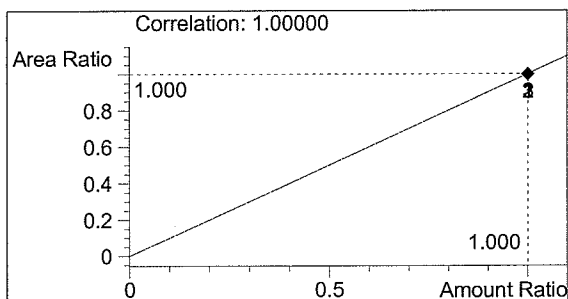


#	Compound	Area	RT
1	Ethanol	2588	1.058
2	n-Propanol	2866	1.848

Totals:



Ethanol 0.190 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/6/03 3:09:52 PM

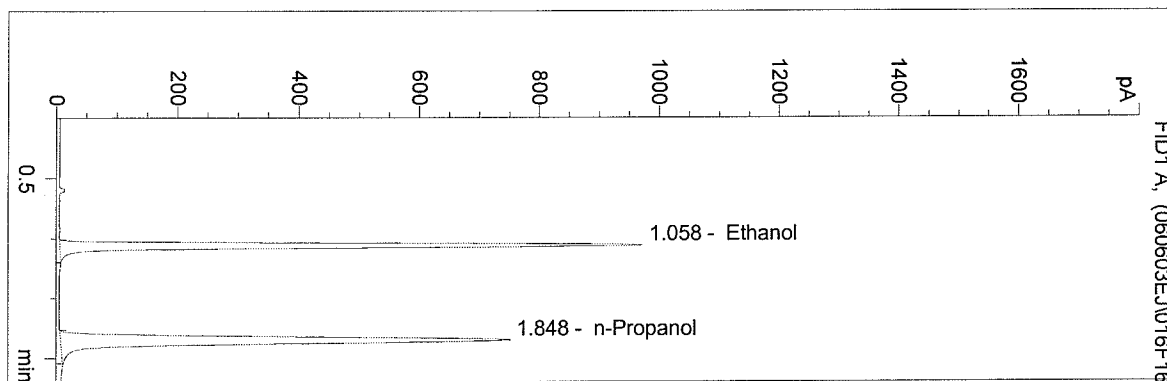
Instrument 2

ALC1

Q.C. 03017

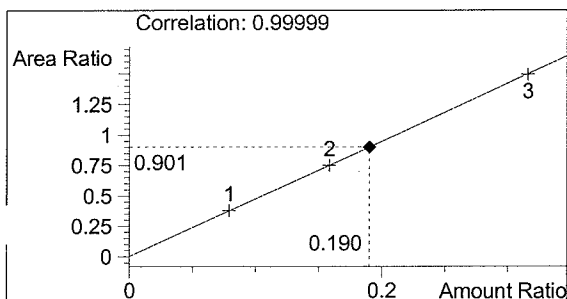
Estuardo J. Miranda

vial # 16

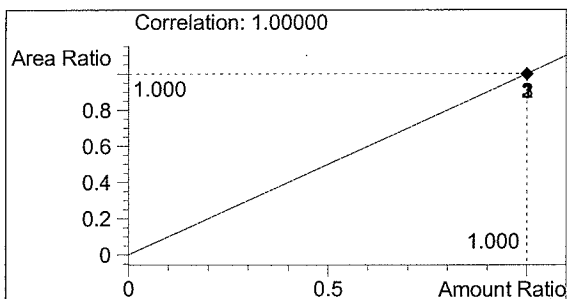


#	Compound	Area	RT
1	Ethanol	2598	1.058
2	n-Propanol	2882	1.848

Totals:



Ethanol 0.190 g/100ml

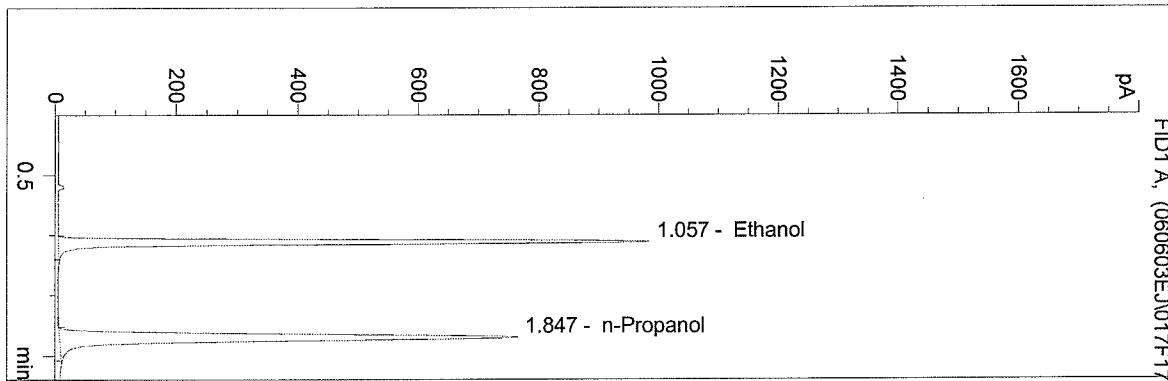


n-Propanol 1.000 g/100ml

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 6/6/03 3:13:20 PM
 Instrument 2
 ALC1

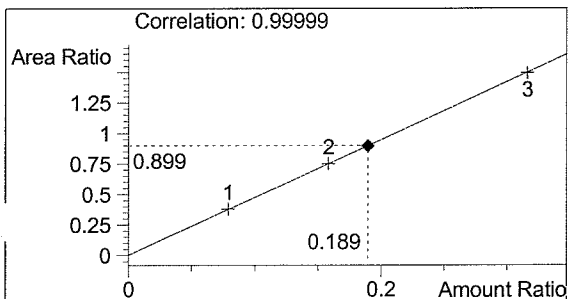
Q.C. 03017
 Estuardo J. Miranda

vial # 17

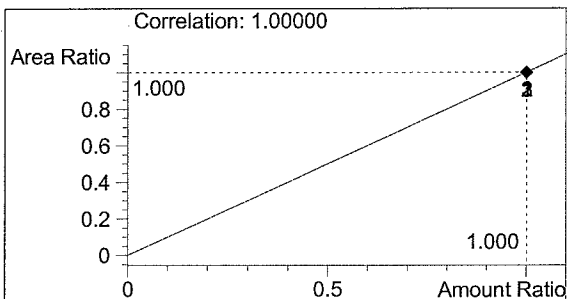


#	Compound	Area	RT
1	Ethanol	2646	1.057
2	n-Propanol	2945	1.847

Totals:



Ethanol 0.189 g/100ml

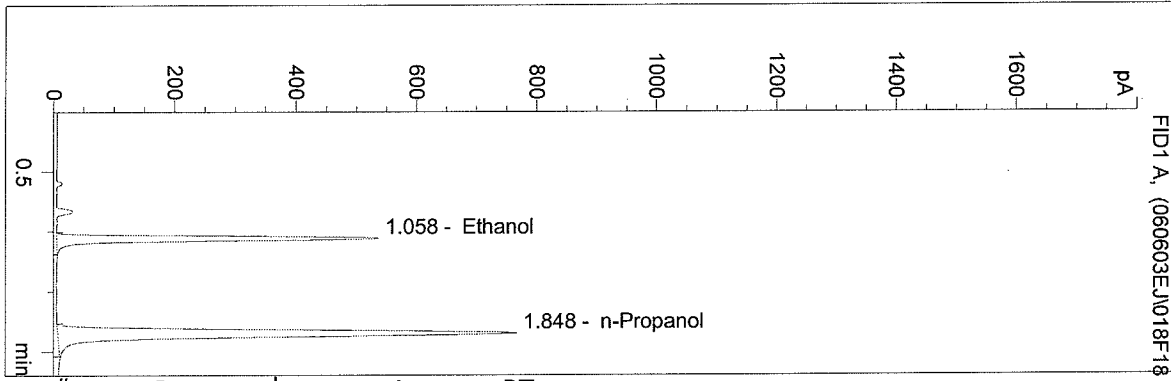


n-Propanol 1.000 g/100ml

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 6/6/03 3:16:22 PM
 Instrument 2
 ALC1

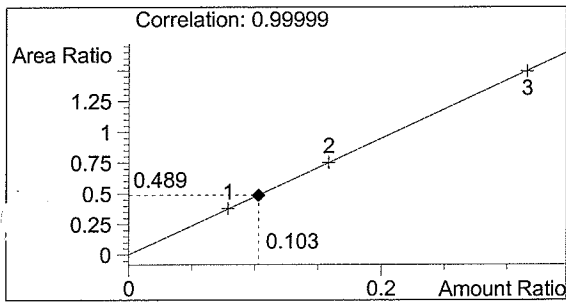
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 Estuardo J. Miranda

vial # 18

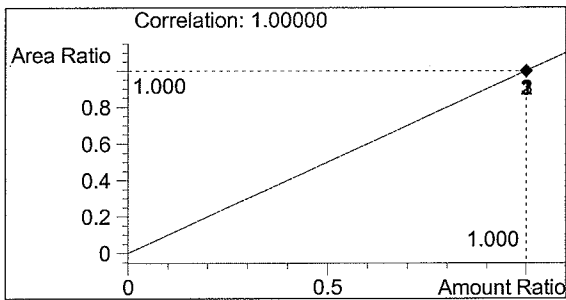


#	Compound	Area	RT
1	Ethanol	1439	1.058
2	n-Propanol	2942	1.848

Totals:



Ethanol 0.103 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

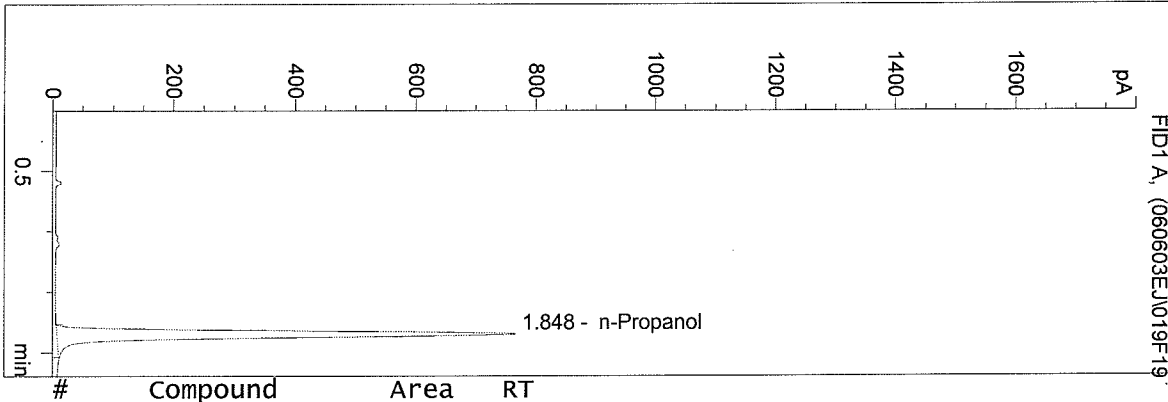
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Instrument 2

ALC1

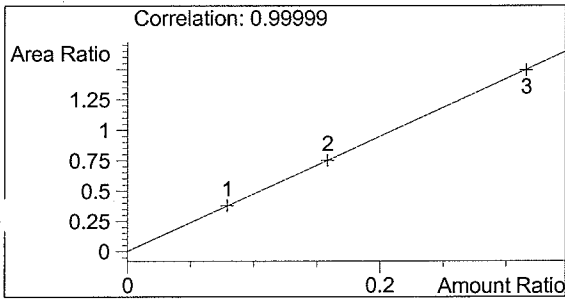
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Estuardo J. Miranda

vial # 19

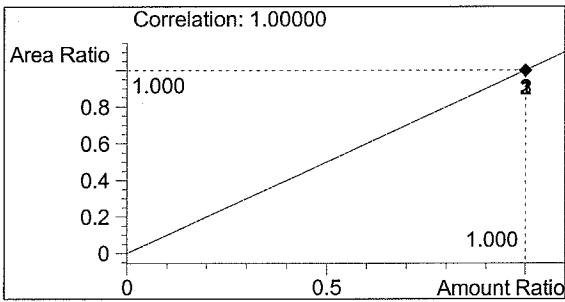


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2941	1.848

Totals:



Ethanol 0.000 g/100ml



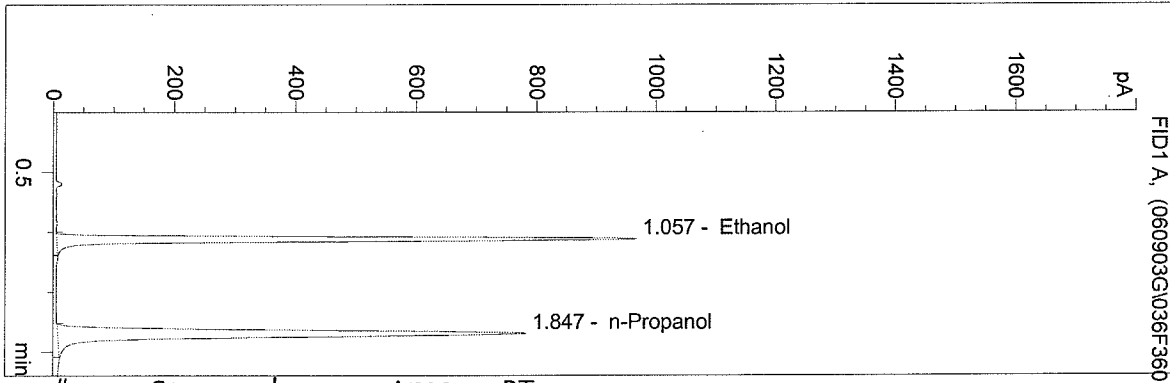
n-Propanol 1.000 g/100ml

STDS 033569

C:\HPCHEM\2\METHODS\BLDALCO2.M
 6/9/03 12:00:05 PM
 Instrument 2
 ALC1

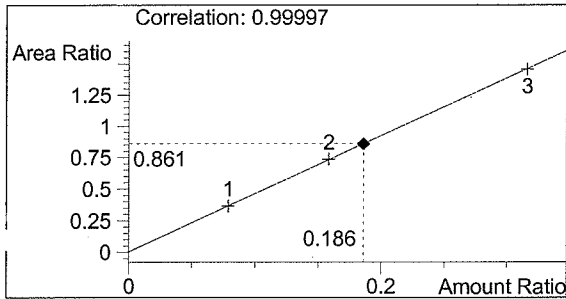
0.15QASOL 03017
 Gene Schwilke

vial # 36

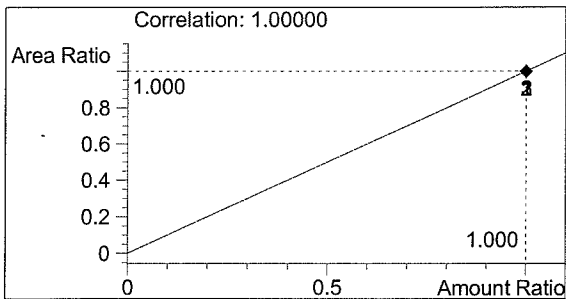


#	Compound	Area	RT
1	Ethanol	2584	1.057
2	n-Propanol	3001	1.847

Totals:



Ethanol 0.186 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/9/03 12:03:09 PM

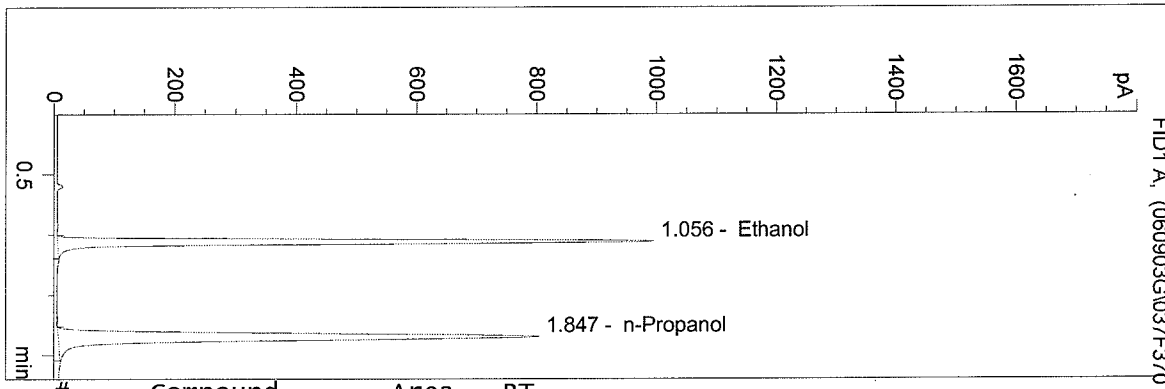
Instrument 2

ALC1

0.15QASOL 03017

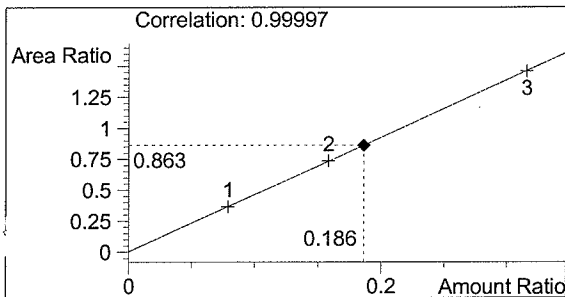
Gene Schwilke

vial # 37

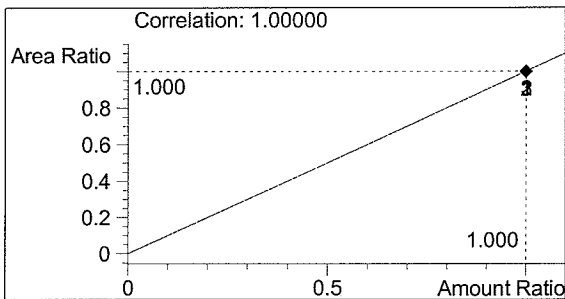


#	Compound	Area	RT
1	Ethanol	2663	1.056
2	n-Propanol	3085	1.847

Totals:



Ethanol 0.186 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/9/03 12:06:11 PM

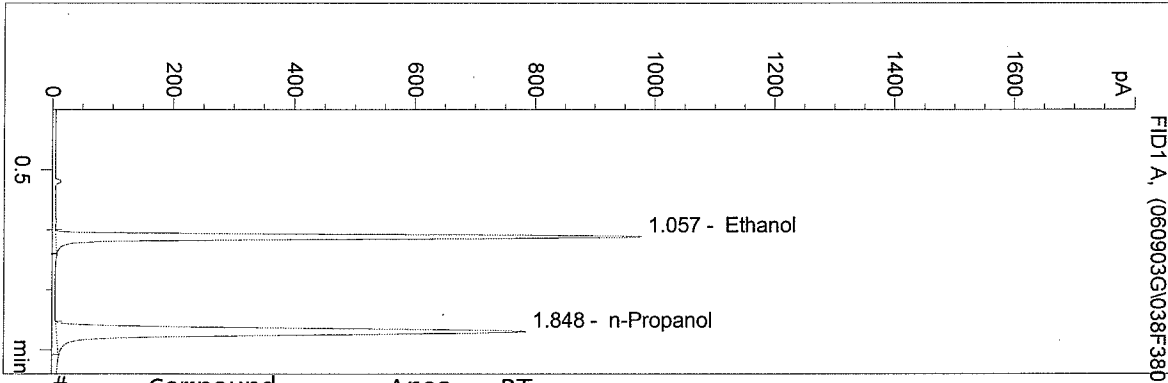
Instrument 2

ALC1

0.15QASOL 03017

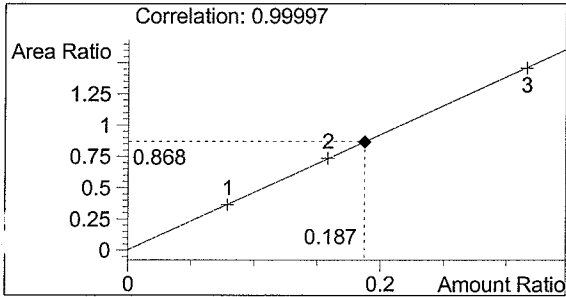
Gene Schwilke

vial # 38

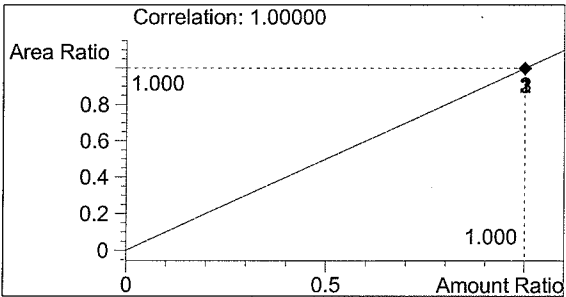


#	Compound	Area	RT
1	Ethanol	2619	1.057
2	n-Propanol	3016	1.848

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/9/03 12:09:16 PM

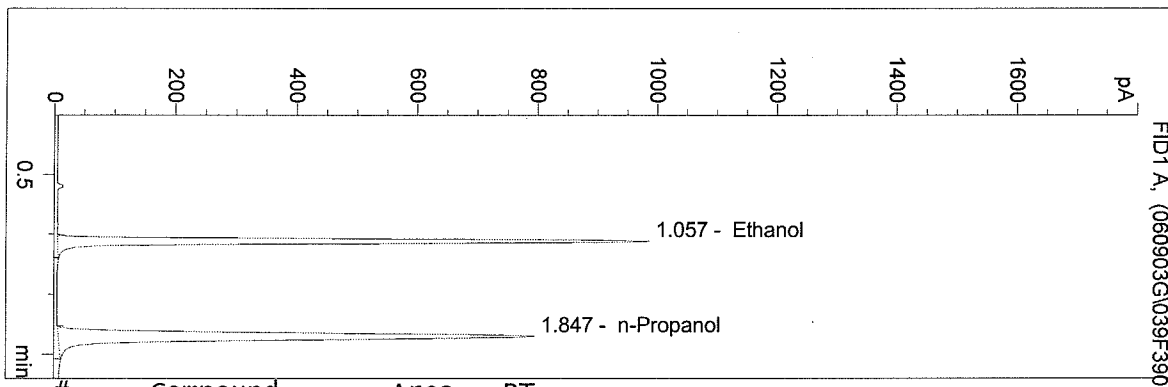
Instrument 2

ALC1

0.15QASOL 03017

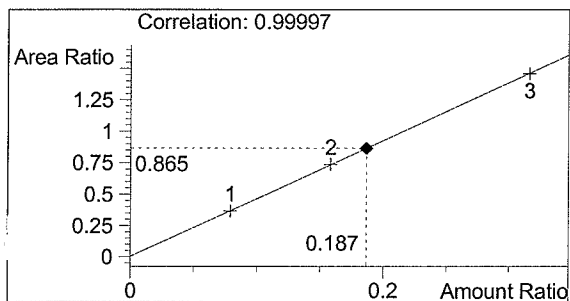
Gene Schwilke

vial # 39

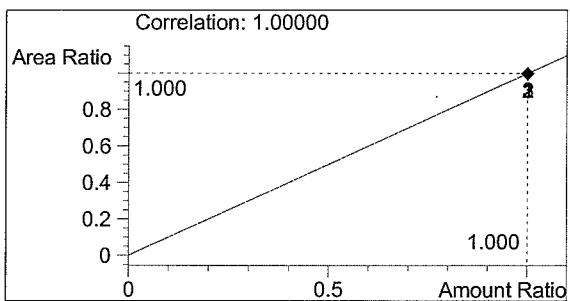


#	Compound	Area	RT
1	Ethanol	2638	1.057
2	n-Propanol	3050	1.847

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/9/03 12:12:20 PM

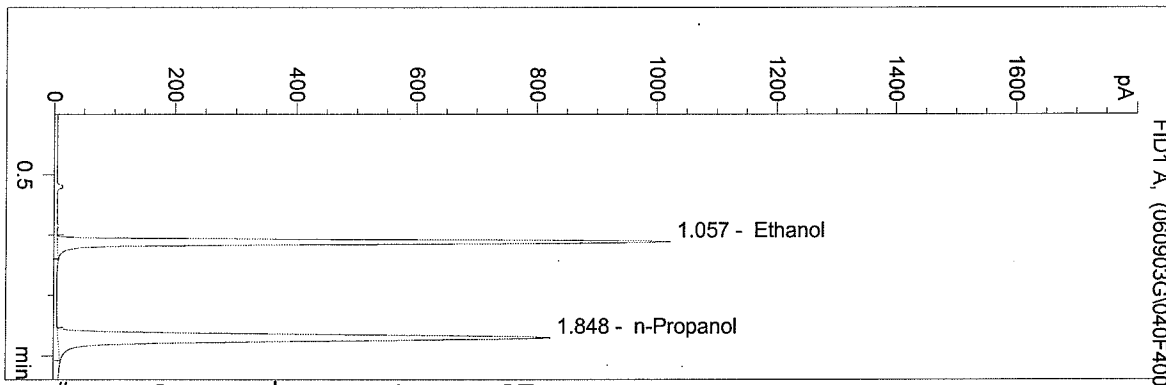
Instrument 2

ALC1

0.15QASOL 03017

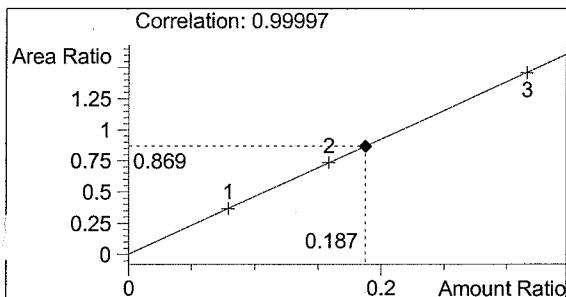
Gene Schwilke

vial # 40

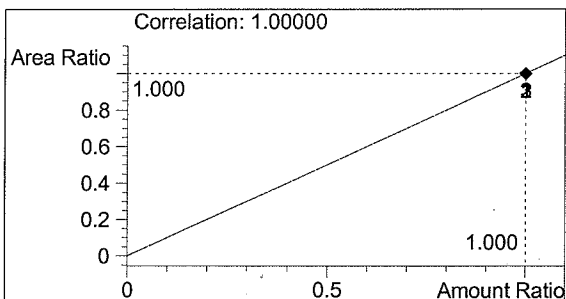


#	Compound	Area	RT
1	Ethanol	2738	1.057
2	n-Propanol	3152	1.848

Totals:



Ethanol 0.187 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

6/9/03 11:54:01 AM

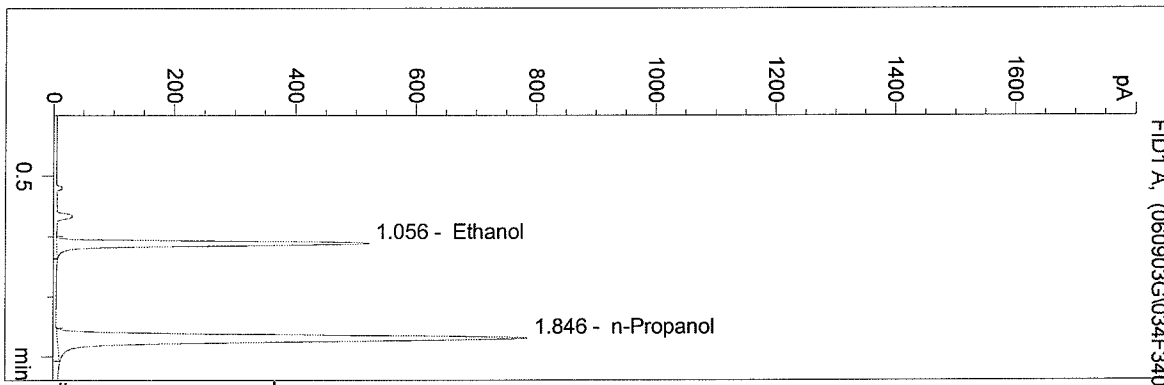
Instrument 2

ALC1

CAP 0.100

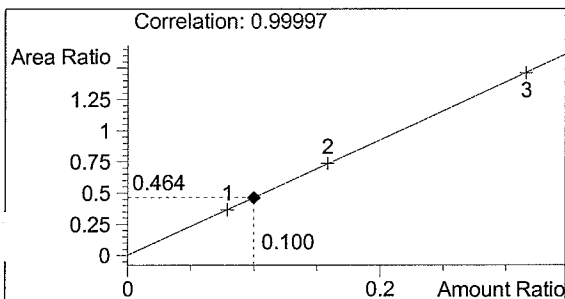
Gene Schilke

vial # 34

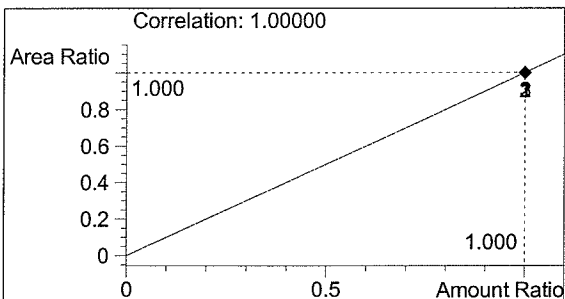


#	Compound	Area	RT
1	Ethanol	1406	1.056
2	n-Propanol	3030	1.846

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

C:\HPCHEM\2\METHODS\BLDALCO2.M

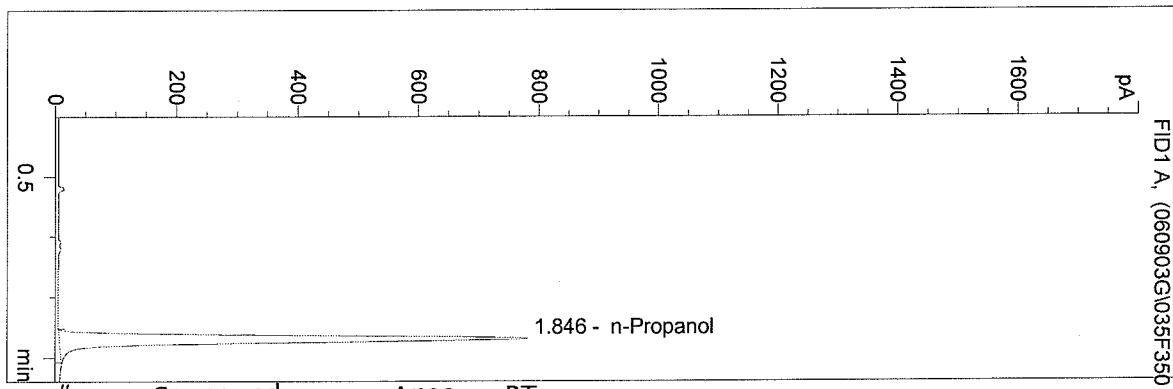
6/9/03 11:57:03 AM

Instrument 2

ALC1

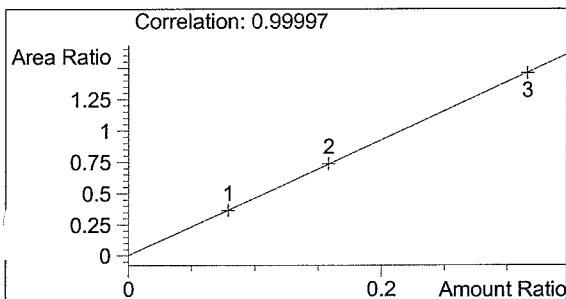
BLANK
Gene Schwilke

vial # 35

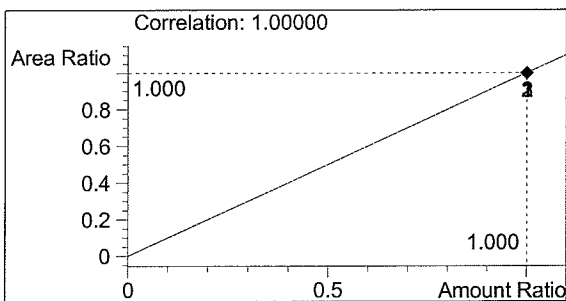


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3013	1.846

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml