WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/ s: KEN DENTON / ROB GULLOCKS Date: 1-14-2008

Location: TOX LAB SEATTLE Solution Batch Number: 04006

	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:

CHROMATOGRAMS FOR BILL MARSHALL WERE ALSO IN THE FILE BUT NOT INCLUDED IN THE DATA ENTRY SHEET OR IN CALCULATIONS

Reviewer Signature: R & Gullocks Date: 1-14-2008

Reviewer Signature: KEN D 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 **04006** Date: 3/8/2004

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	0.126	0.128	0.129									
2	0.126	0.129	0.126									
3	0.126	0.129	0.129									
4	0.126	0.129	0.128									
5	0.126	0.129	0.127									
Ctrl	0.100	0.101	0.101									

R.A.B. 1-14-08

External Control:

Lot #: A024546 Exp date: 9/05

Target concentration: 0.10 g/100mL

Statistics:

Avg. solution concent.: 0.1275 g/100 mL

SD: 0.00141

Range (3xSD): 0.1233 to ~~0.1318~~ 0.1317

Precision CV (%): ~~1.1036~~ 1.1039 %

Equivalent vapor concent.: 0.1037 g/210L

Analyst	Name	Signature	Date
1	Mary E Wilson	Mary E Wilson	03/08/04
2	Kari Gruendell	Kari Gruendell	03/09/04
3	Edward Formoso	Edward Formoso	03/11/04
4			
5			
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10			
11			
12			

Prepared by: Mary E Wilson Mary E Wilson 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, Mary E. Wilson, 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 and a minor in Chemistry with two years of experience in toxicology, including one year in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 04006, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1275 grams per 100ml.

Dated: 3/16/04
Seattle, WA

Mary E. Wilson
Forensic Toxicologist

MEW/bf
MEWQA

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, Kari D. Gruendell, 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 and a minor in Chemistry and two years of analytical laboratory experience.

The quality assurance solution, Lot Number 04006, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1275 grams per 100ml.

Dated: 3/16/04
Seattle, WA

Kari D. Gruendell
Forensic Toxicologist

KDG/bf
KDGQA

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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, Edward J. Formoso, 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 Chemistry and twenty-eight years experience in the Washington State Toxicology Laboratory.

The quality assurance solution, Lot Number 04006, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.1275 grams per 100ml.

Dated: 3/16/04
Seattle, WA

Edward J. Formoso
Forensic Toxicologist

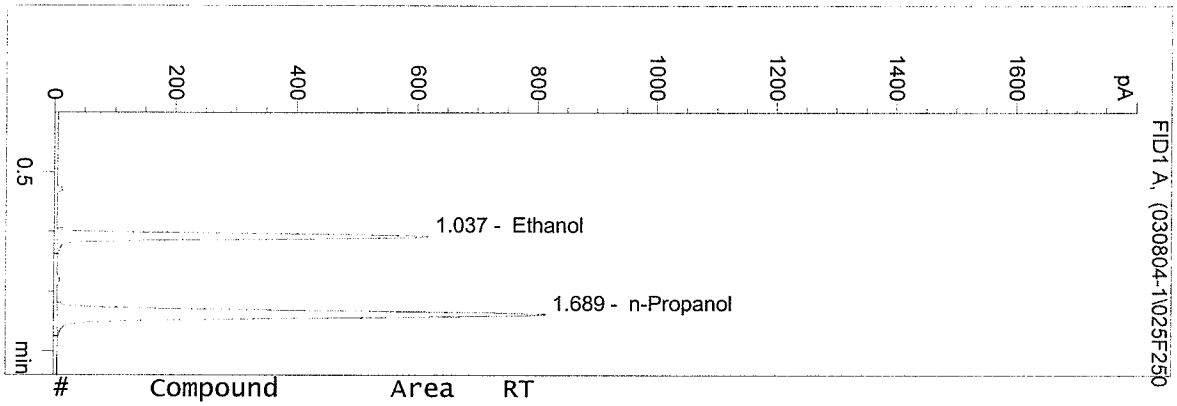
EJF/bf
EFQA

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
3/8/04 12:34:50 PM
Instrument 2
DB-ALC1

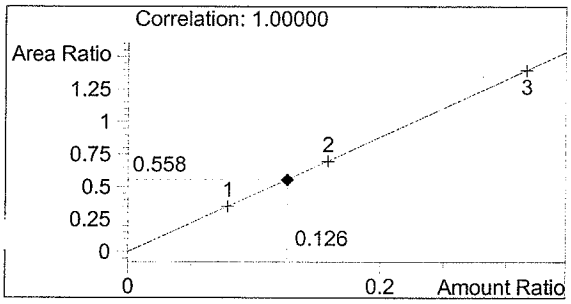
04006QA
mary wilson

vial # 25

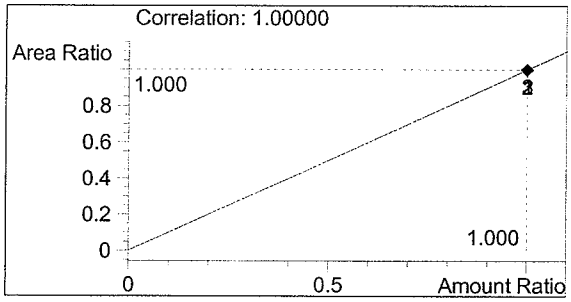


#	Compound	Area	RT
1	Ethanol	1921	1.037
2	n-Propanol	3445	1.689

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
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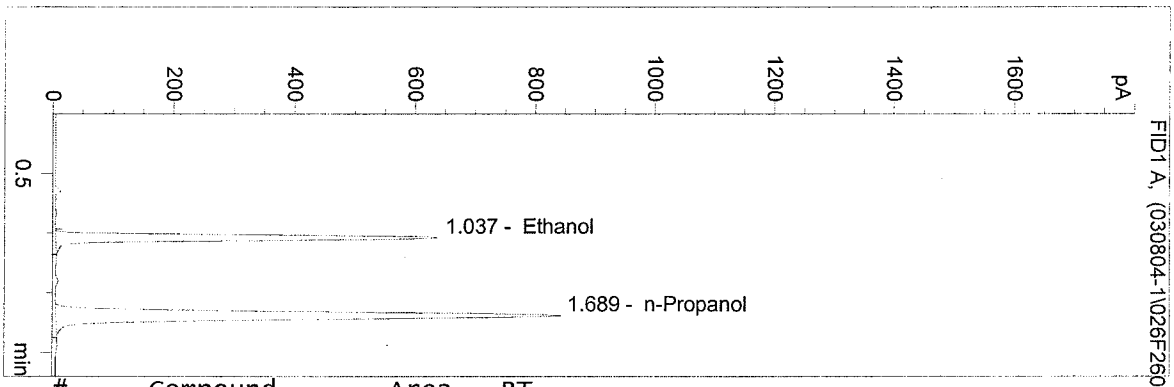
Instrument 2
DB-ALC1

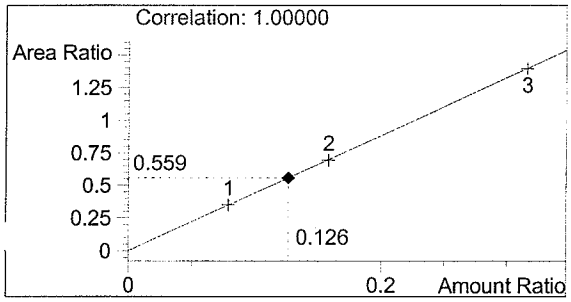
04006QA
mary wilson

vial # 26

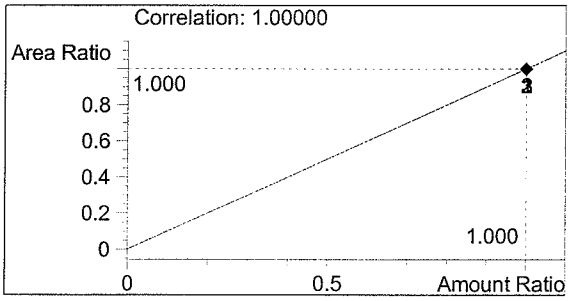


#	Compound	Area	RT
1	Ethanol	1985	1.037
2	n-Propanol	3551	1.689

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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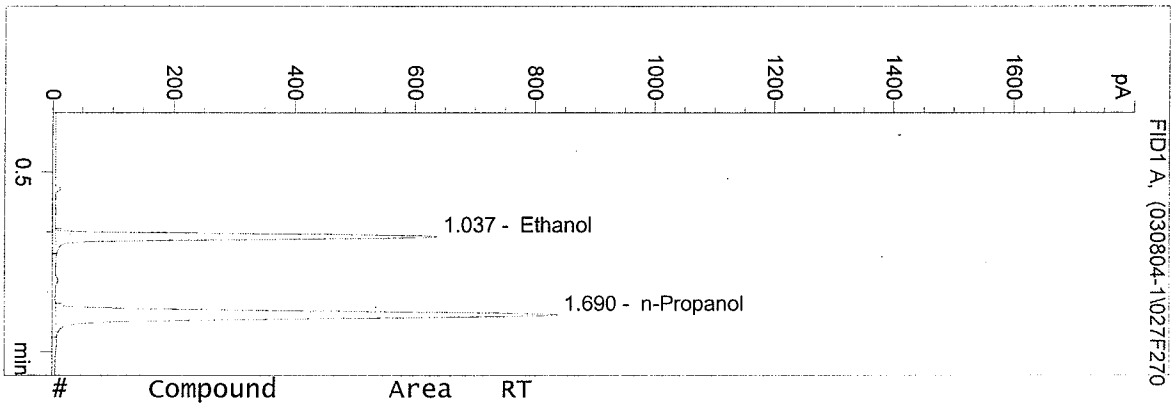
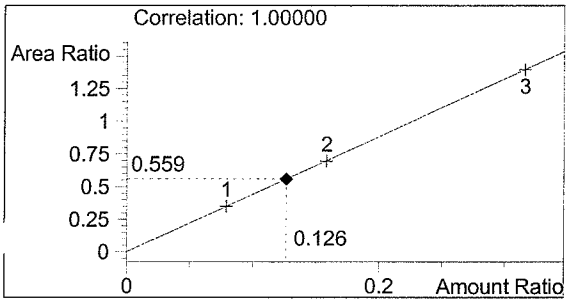
Instrument 2
DB-ALC1

04006QA
mary wilson

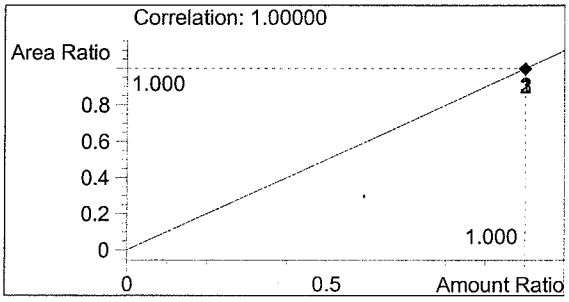
vial # 27



#	Compound	Area	RT
1	Ethanol	1983	1.037
2	n-Propanol	3547	1.690
Totals:			



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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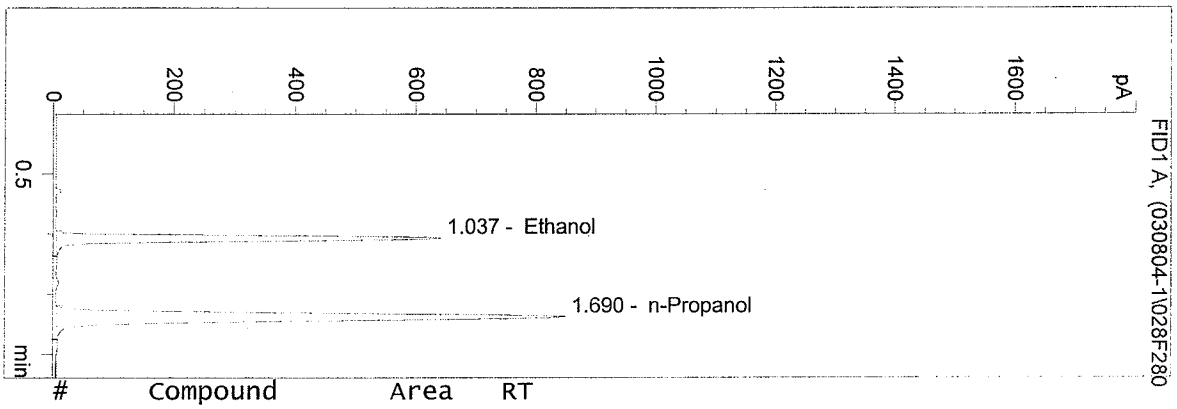
3/8/04 1:14:00 PM
Instrument 2
DB-ALC1

04006QA
mary wilson

vial # 28



#	Compound	Area	RT
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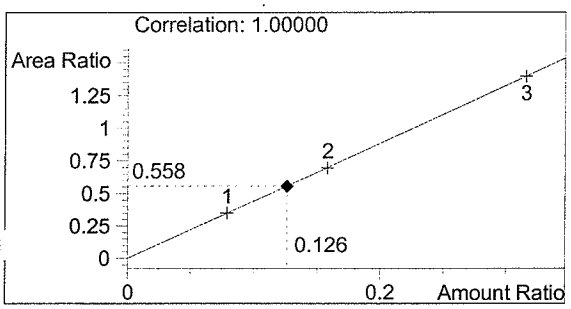
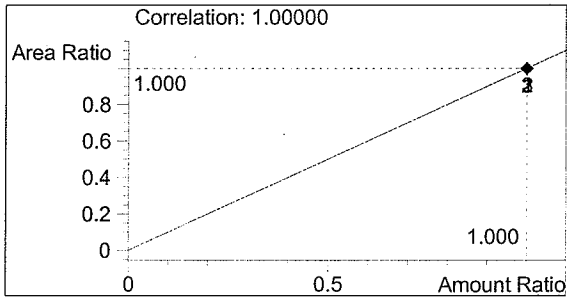
2	n-Propanol	3593	1.690

Totals:



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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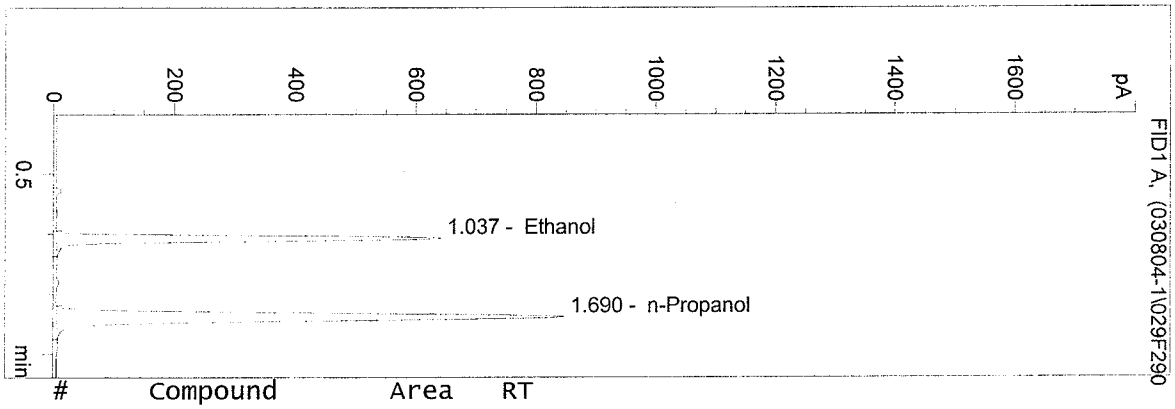
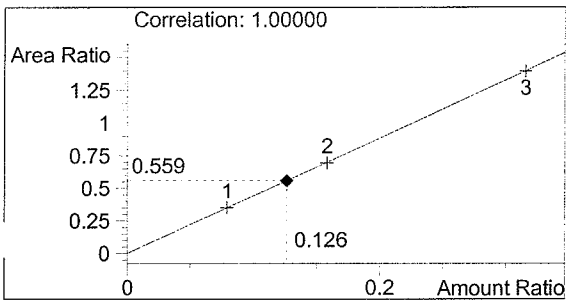
3/8/04 1:17:14 PM
Instrument 2
DB-ALC1

04006QA
mary wilson

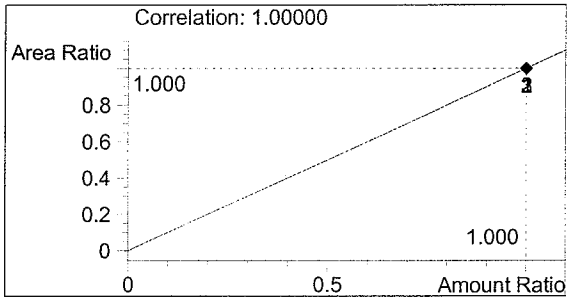
vial # 29



#	Compound	Area	RT
1	Ethanol	2005	1.037
2	n-Propanol	3585	1.690
Totals:			



Ethanol 0.126 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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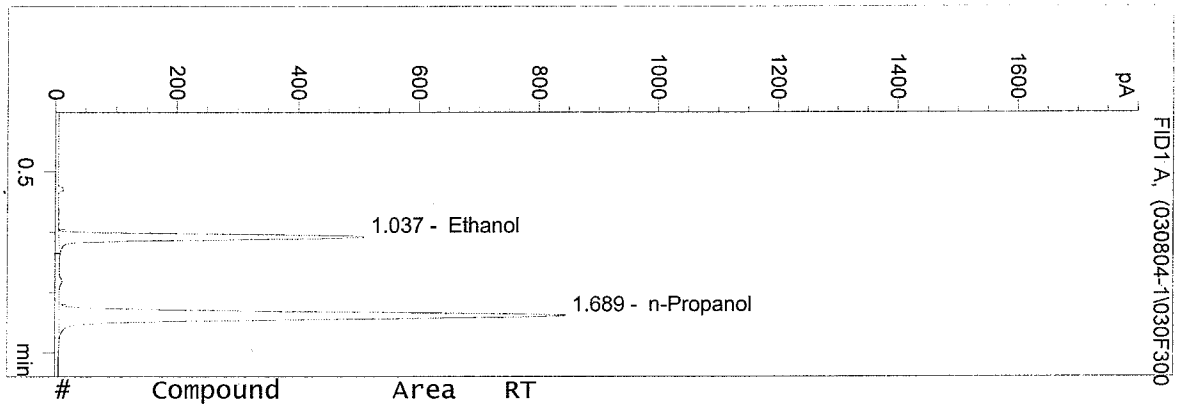
Instrument 2
DB-ALC1

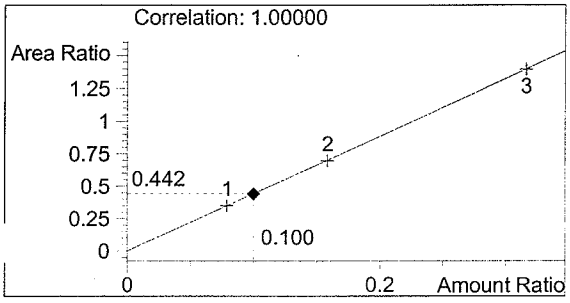
0.10CTL
mary wilson

vial # 30

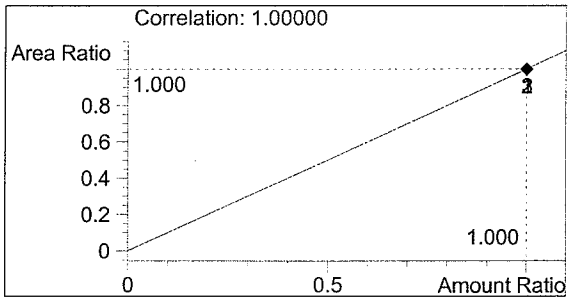


#	Compound	Area	RT
1	Ethanol	1575	1.037
2	n-Propanol	3562	1.689

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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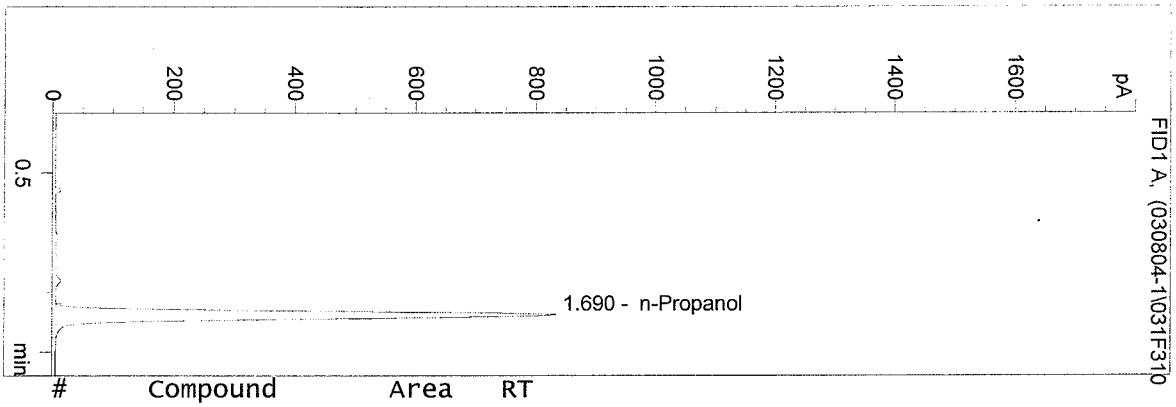
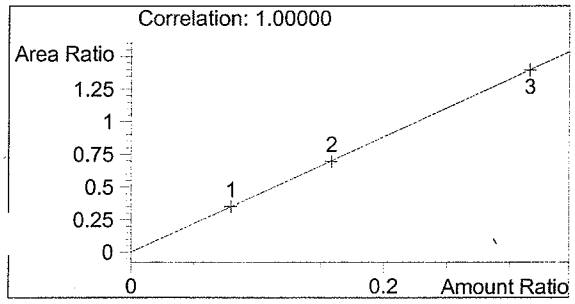
3/8/04 1:32:02 PM
Instrument 2
DB-ALC1

BLANK
mary wilson

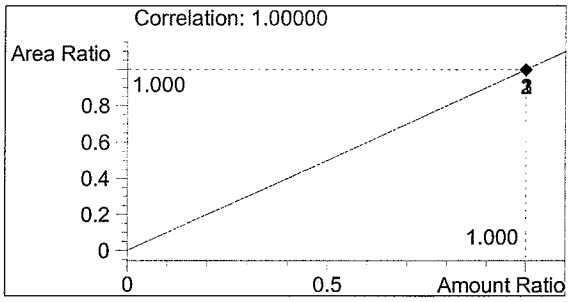
vial # 31



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3527	1.690
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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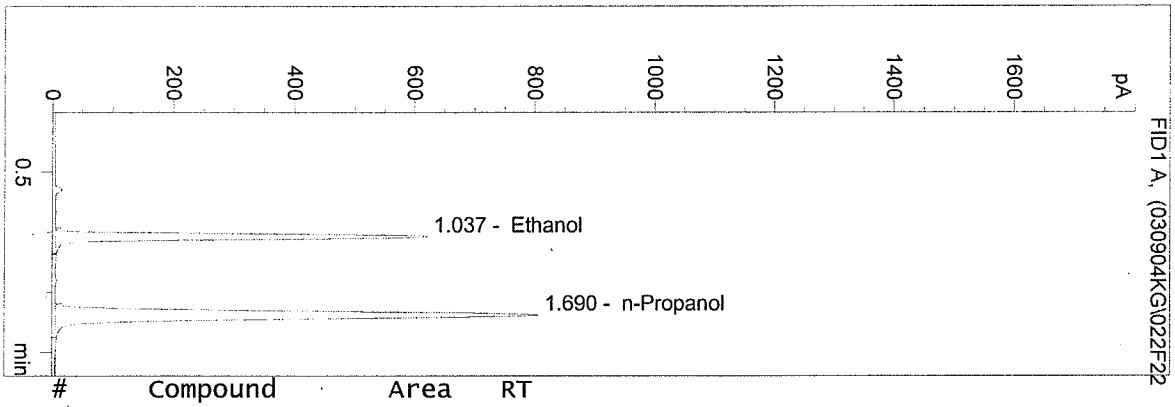
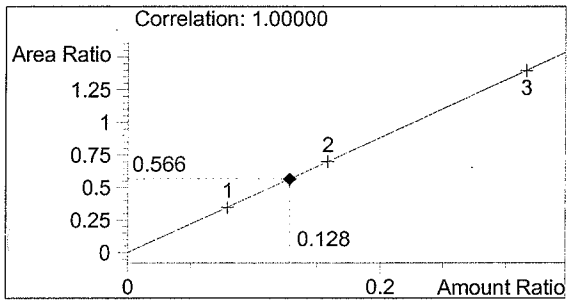
3/9/04 4:01:28 PM
Instrument 2
DR-ALC1

QA 04006 1
Kari Gruendell

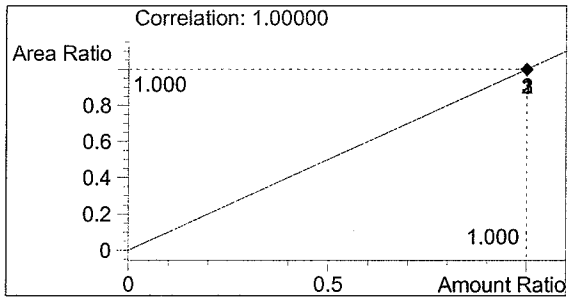
vial # 22



#	Compound	Area	RT
1	Ethanol	1929	1.037
2	n-Propanol	3409	1.690
Totals:			



Ethanol 0.128 g/100ml



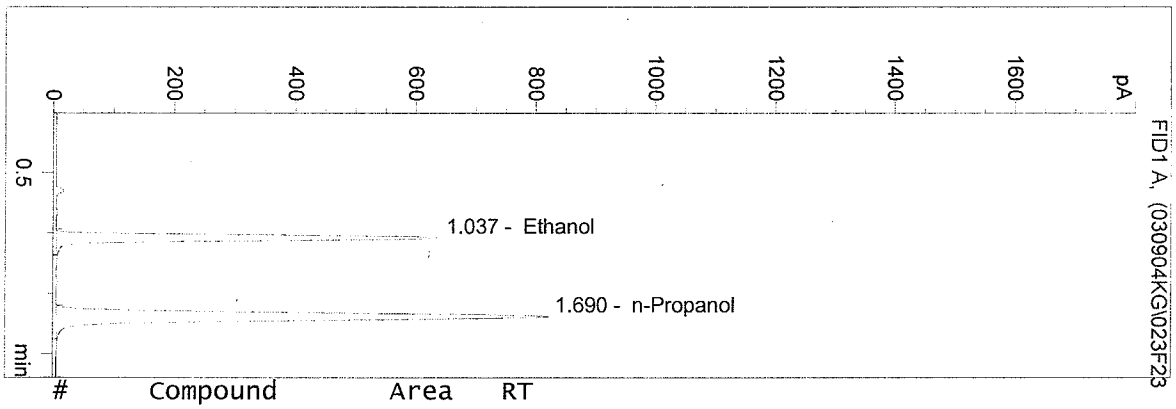
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

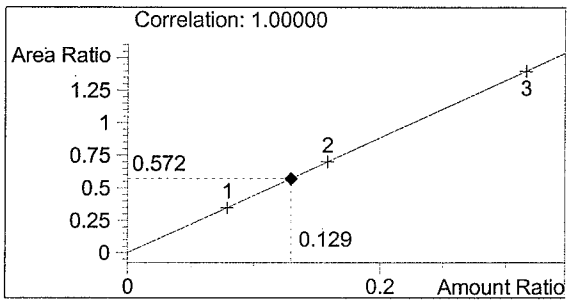
C:\HPCHEM\2\METHODS\BLDALCO2.M
3/9/04 4:04:32 PM
Instrument 2
DR-ALC1

QA 04006 2
Kari Gruendell

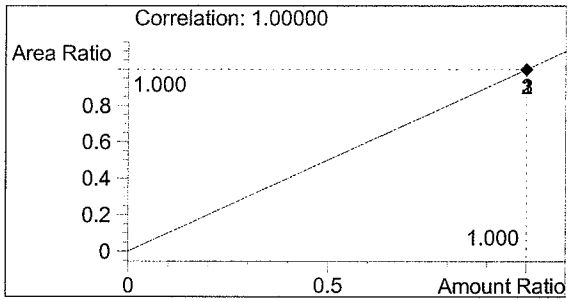
vial # 23



#	Compound	Area	RT
1	Ethanol	1989	1.037
2	n-Propanol	3477	1.690
Totals:			



Ethanol 0.129 g/100ml



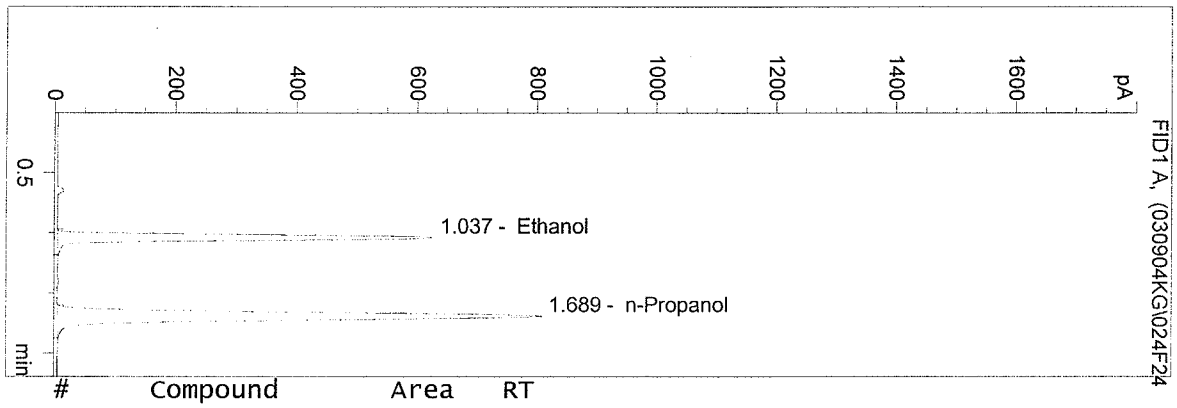
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO2.M
3/9/04 4:07:37 PM
Instrument 2
DR-ALC1

QA 04006 3
Kari Gruendell

vial # 24



#	Compound	Area	RT
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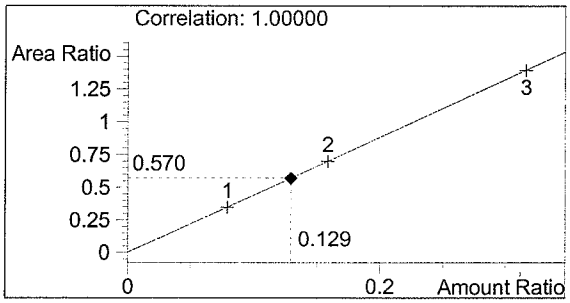
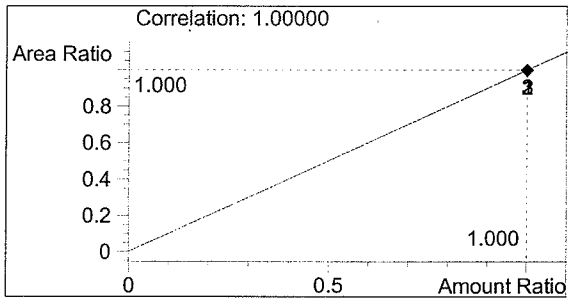
2	n-Propanol	3411	1.689
Totals:			



Ethanol 0.129 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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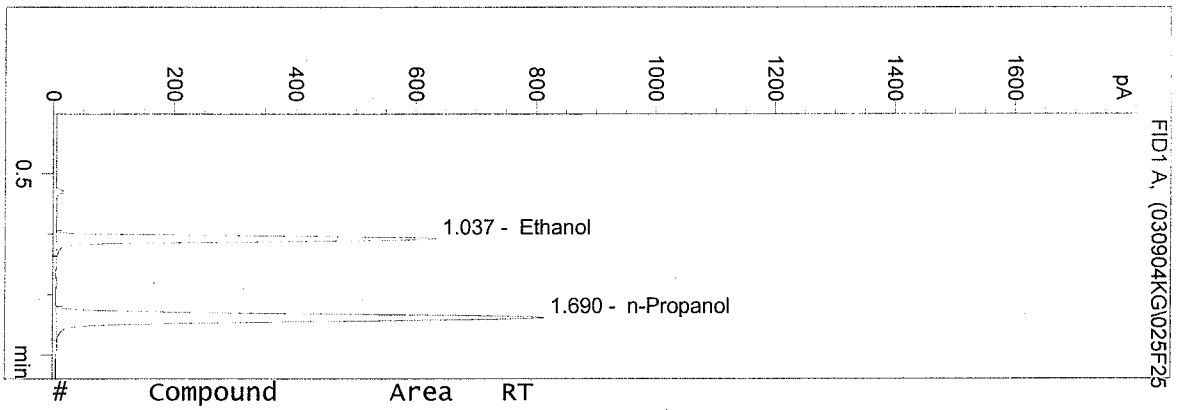
3/9/04 4:10:42 PM
Instrument 2
DR-ALC1

QA 04006 4
Kari Gruendell

vial # 25



#	Compound	Area	RT
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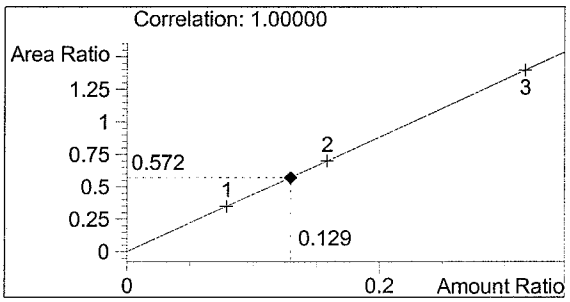
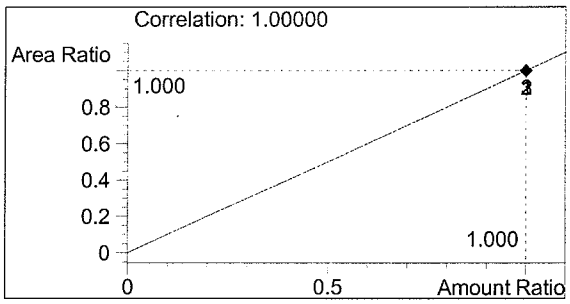
2	n-Propanol	3439	1.690
Totals:			



Ethanol 0.129 g/100ml



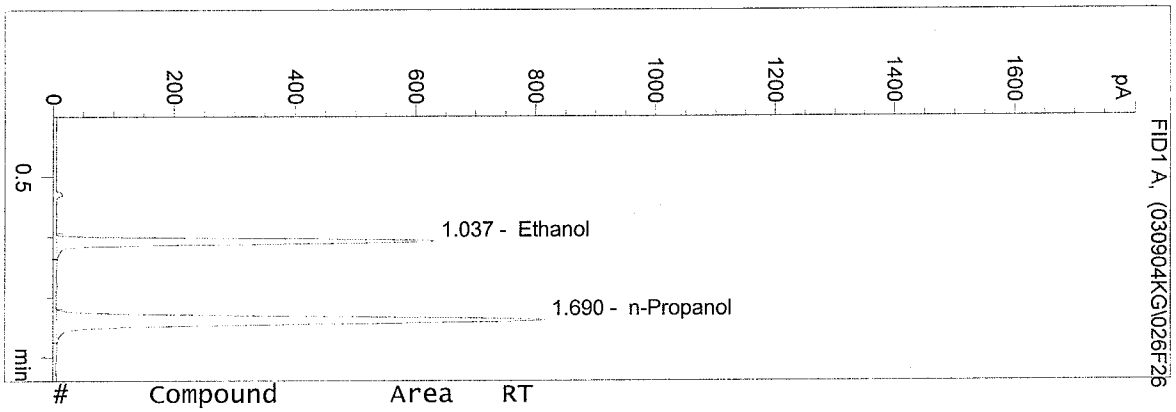
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

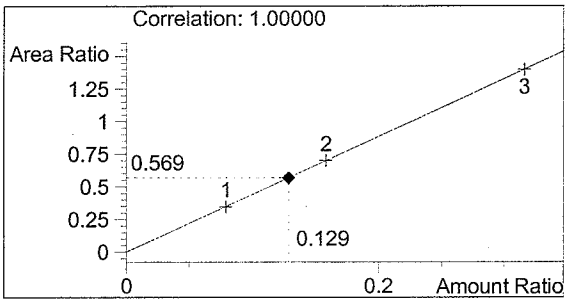
C:\HPCHEM\2\METHODS\BLDALCO2.M
3/9/04 4:13:46 PM
Instrument 2
DR-ALC1

QA 04006 5
Kari Gruendell

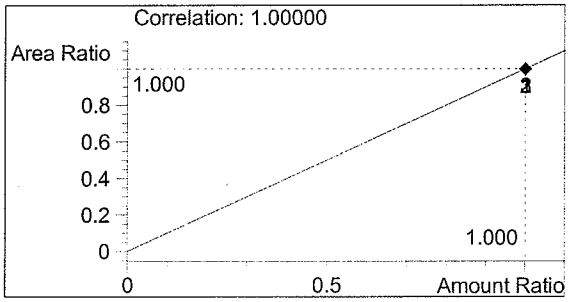
vial # 26



#	Compound	Area	RT
1	Ethanol	1962	1.037
2	n-Propanol	3450	1.690
Totals:			



Ethanol 0.129 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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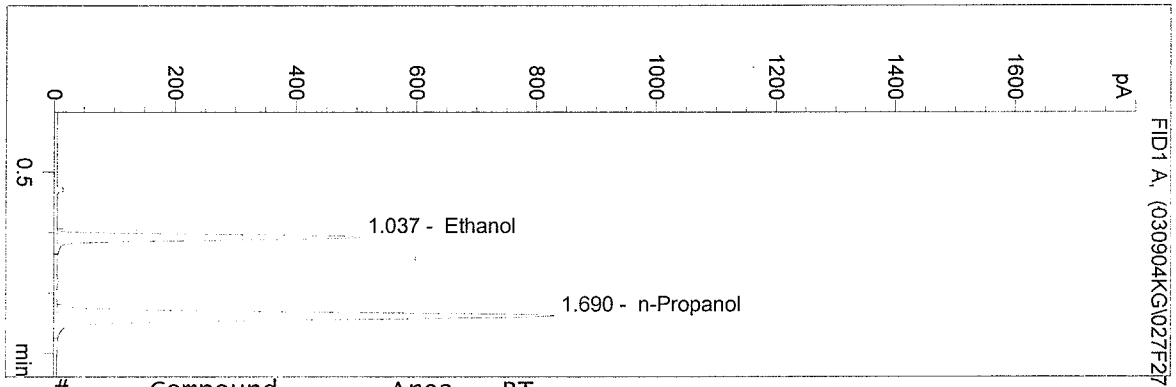
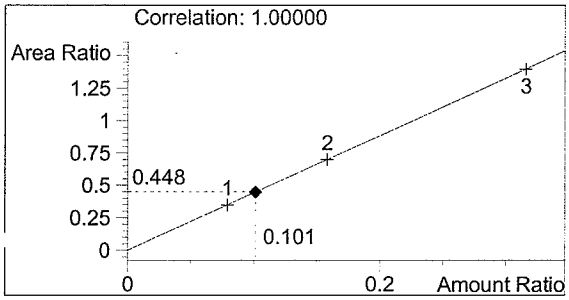
3/9/04 4:16:51 PM
Instrument 2
DR-ALC1

0.10 CONTROL
Kari Gruendell

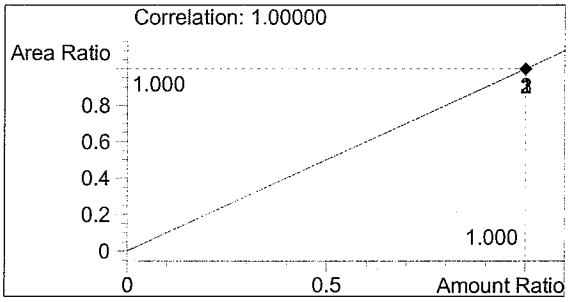
vial # 27



#	Compound	Area	RT
1	Ethanol	1574	1.037
2	n-Propanol	3512	1.690
Totals:			



Ethanol 0.101 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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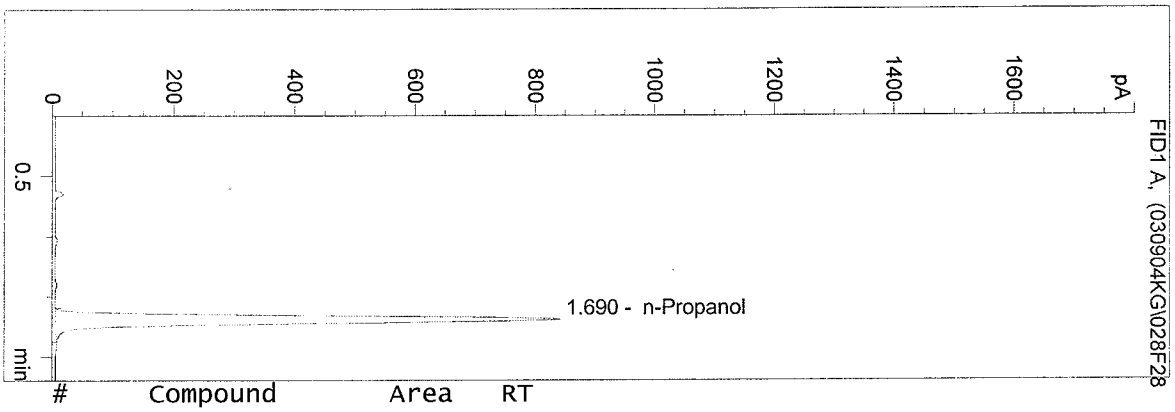
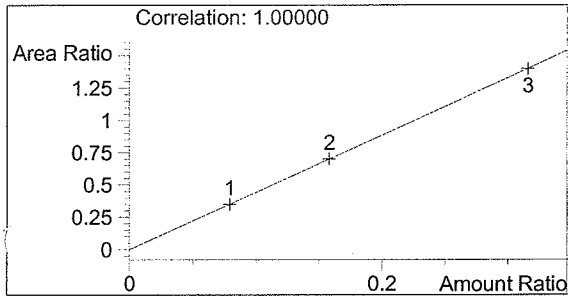
3/9/04 4:19:56 PM
Instrument 2
DB-ALC1

BLANK
Kari Gruendell

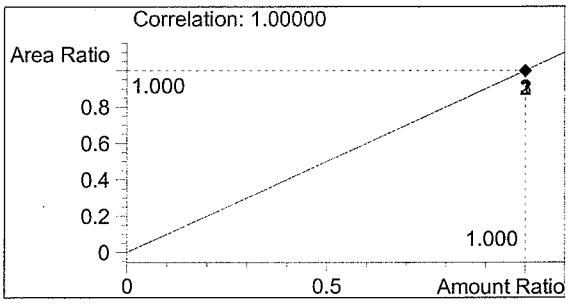
vial # 28



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3553	1.690
Totals:			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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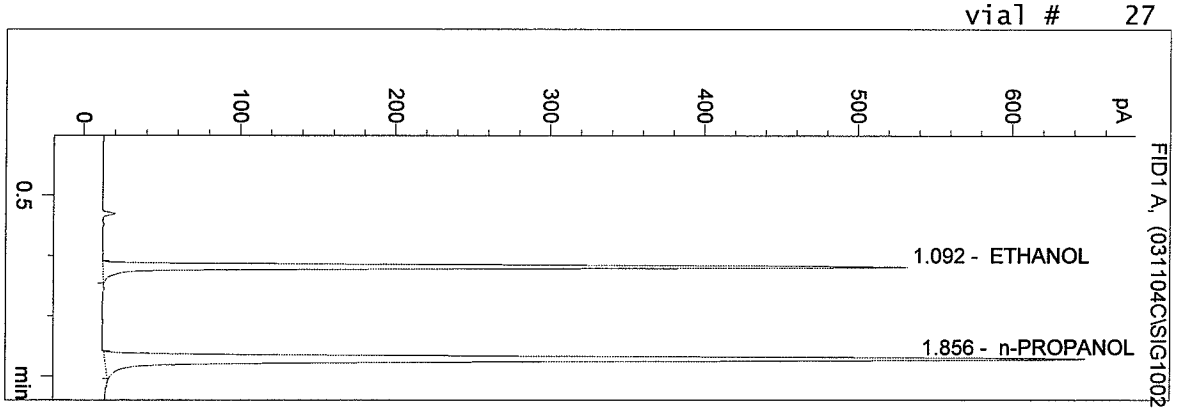
Instrument 3
[illegible]-Alc2

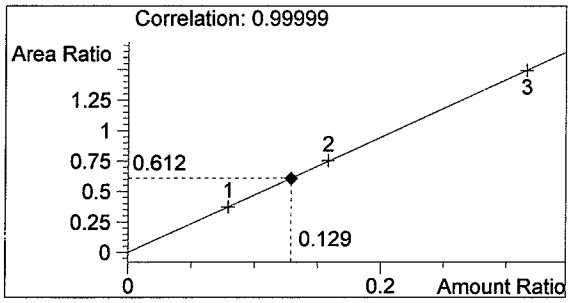
04006
ED FORMOSO

vial # 27

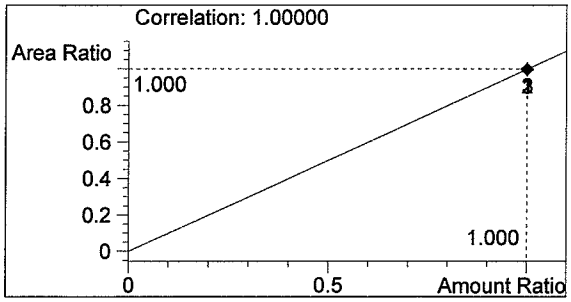


#	Compound	Area	RT
1	ETHANOL	1123	1.092
2	n-PROPANOL	1836	1.856

Totals:



ETHANOL 0.129 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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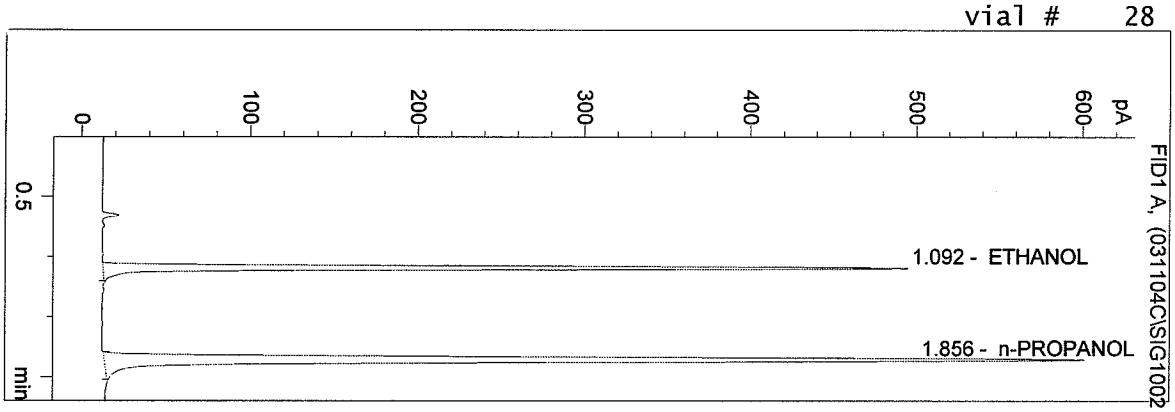
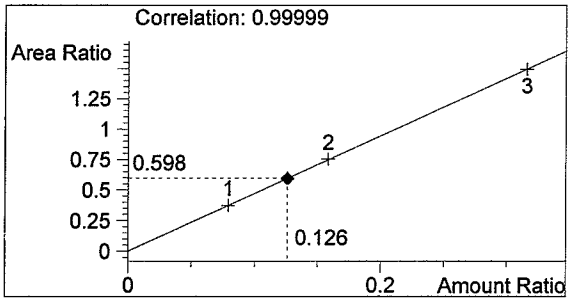
3/11/04 10:14:41 AM
Instrument 3
DB-Alc2

04006
ED FORMOSO

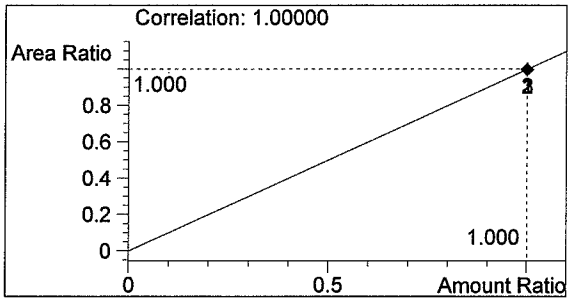
vial # 28



#	Compound	Area	RT
1	ETHANOL	1023	1.092
2	n-PROPANOL	1711	1.856
Totals:			



ETHANOL 0.126 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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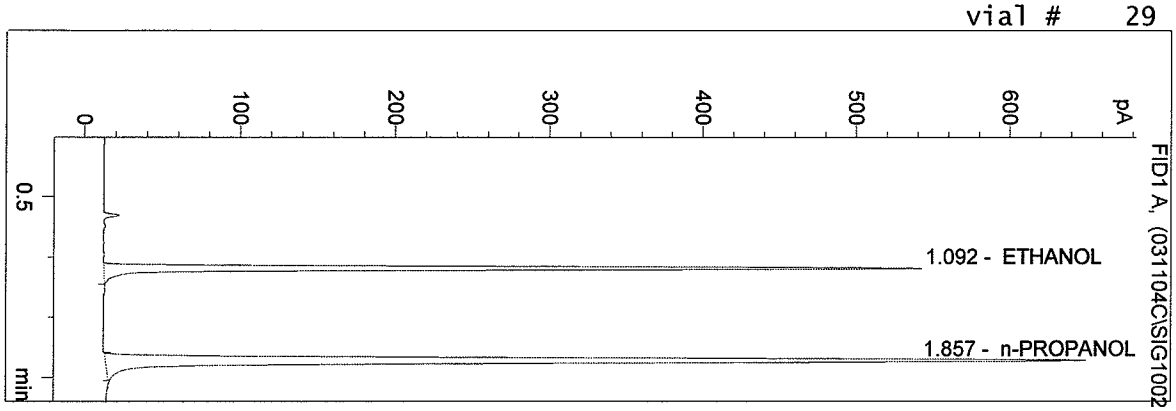
Instrument 3
DR-Alc2

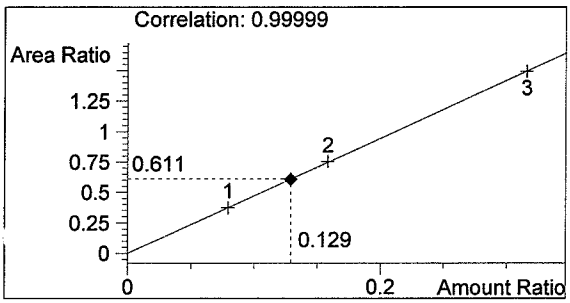
04006
ED FORMOSO

vial # 29

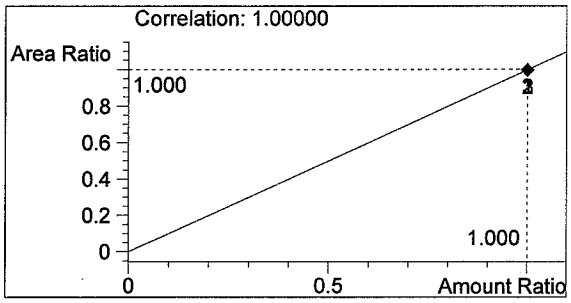


#	Compound	Area	RT
1	ETHANOL	1127	1.092
2	n-PROPANOL	1843	1.857

Totals:



ETHANOL 0.129 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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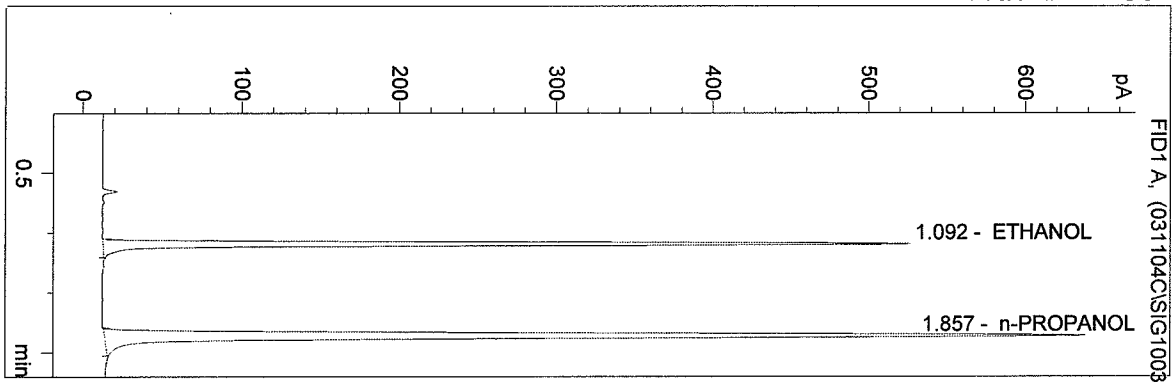
Instrument 3
DB-Alc2

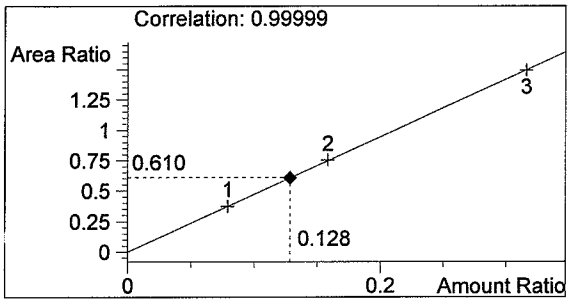
04006
ED FORMOSO

vial # 30

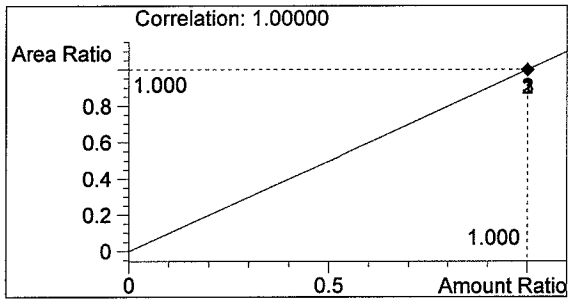


#	Compound	Area	RT
1	ETHANOL	1105	1.092
2	n-PROPANOL	1813	1.857

Totals:



ETHANOL 0.128 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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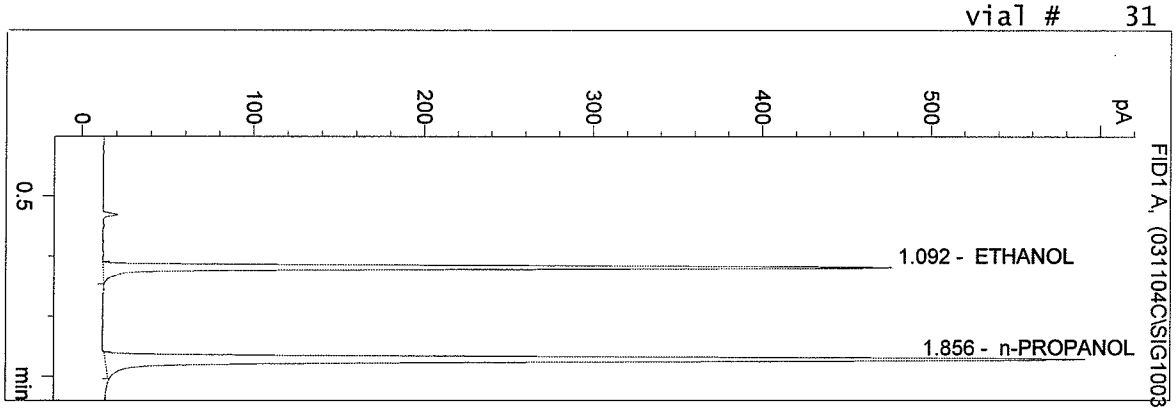
Instrument 3
DR-Alc2

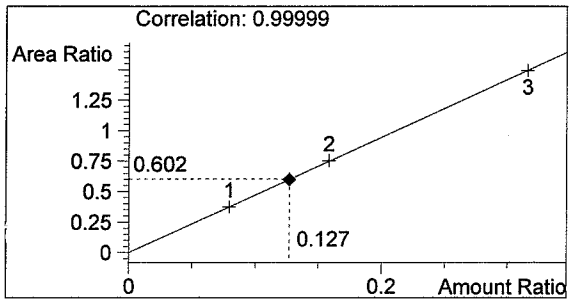
04006
ED FORMOSO

vial # 31

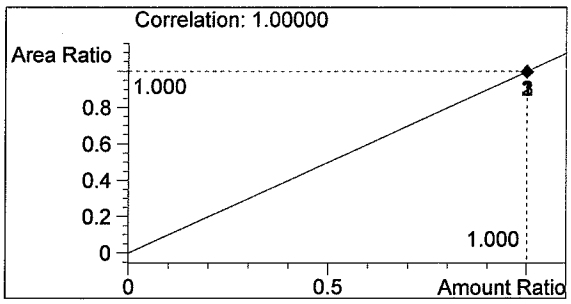


#	Compound	Area	RT
1	ETHANOL	1009	1.092
2	n-PROPANOL	1676	1.856

Totals:



ETHANOL 0.127 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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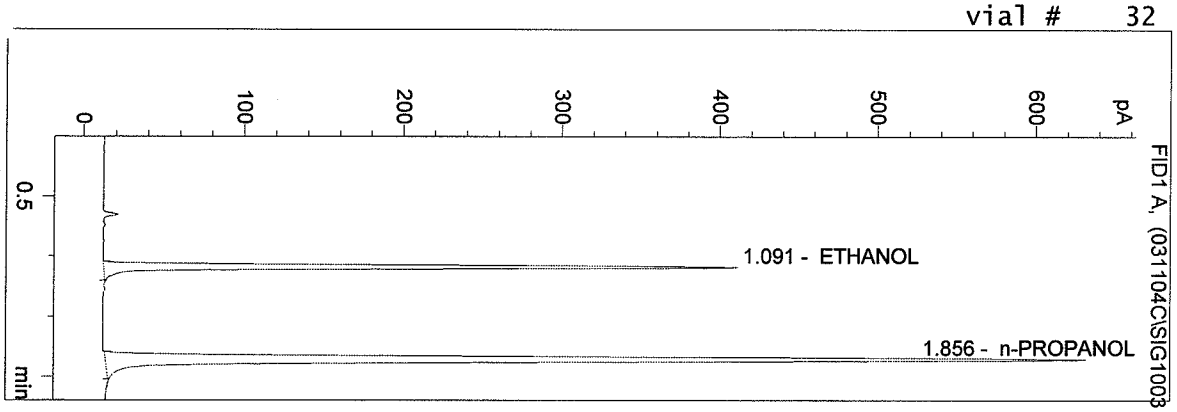
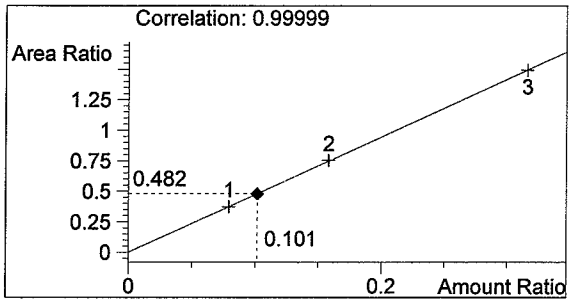
Instrument 3
DR-Alc2

0.10 CONTROL
ED FORMOSO

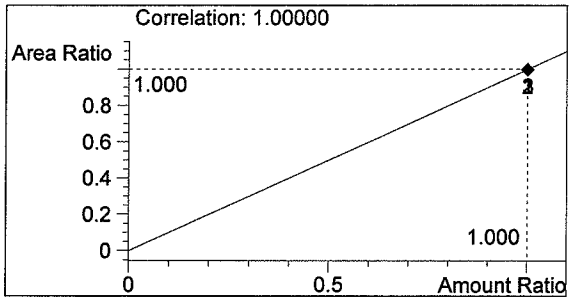
vial # 32



#	Compound	Area	RT
1	ETHANOL	869	1.091
2	n-PROPANOL	1803	1.856
Totals:			



ETHANOL 0.101 g/100mL



n-PROPANOL 1.000 g/100mL

WASHINGTON STATE TOXICOLOGY LABORATORY

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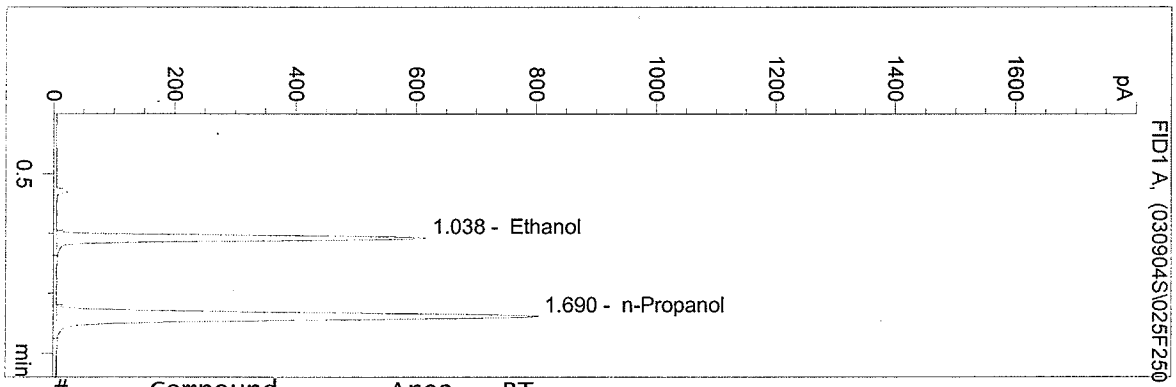
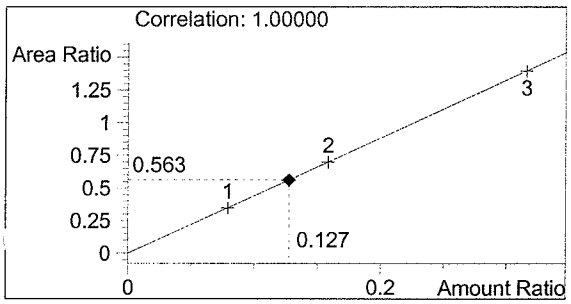
Instrument 2
DP-ALC1

QA 04006
WP MARSHALL

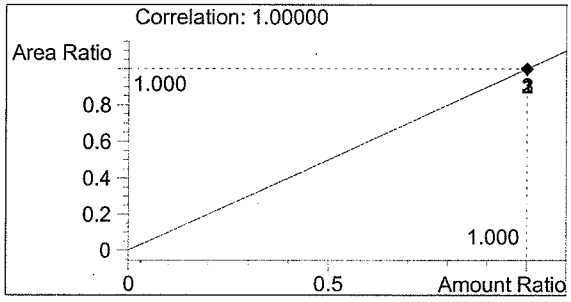
vial # 25



#	Compound	Area	RT
1	Ethanol	1913	1.038
2	n-Propanol	3398	1.690
Totals:			



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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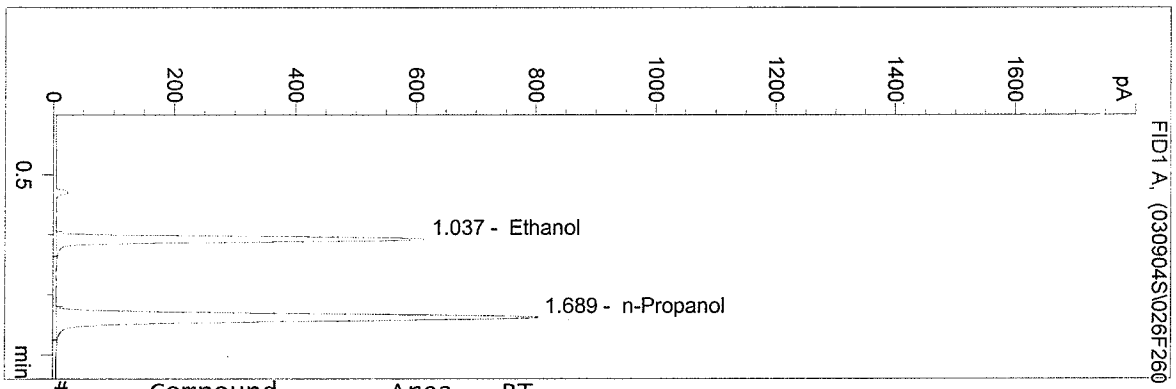
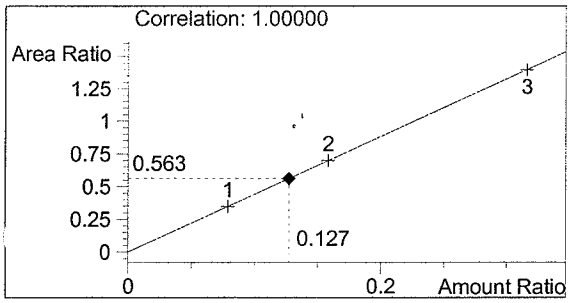
3/9/04 1:39:44 PM
Instrument 2
DB-ALC1

QA 04006
WP MARSHALL

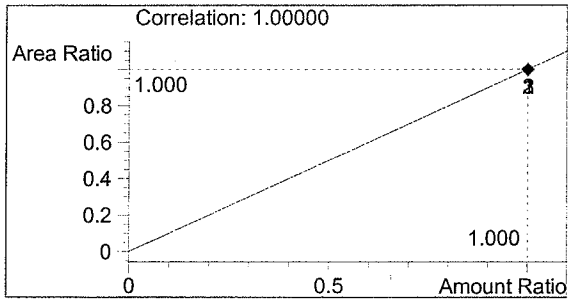
vial # 26



#	Compound	Area	RT
1	Ethanol	1914	1.037
2	n-Propanol	3397	1.689
Totals:			



Ethanol 0.127 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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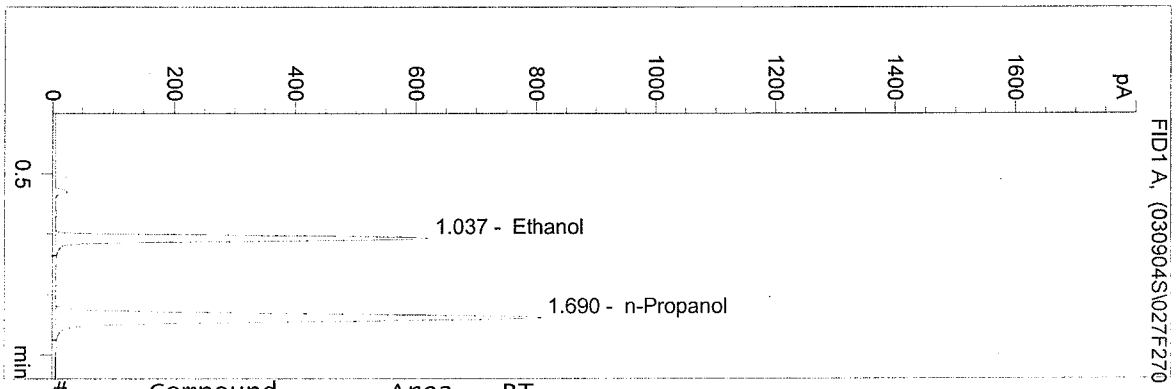
Instrument 2
DP-ALC1

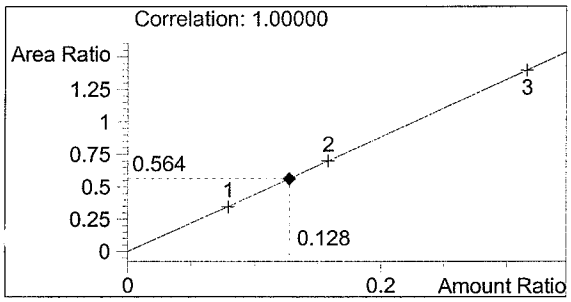
QA 04006
WP MARSHALL

vial # 27

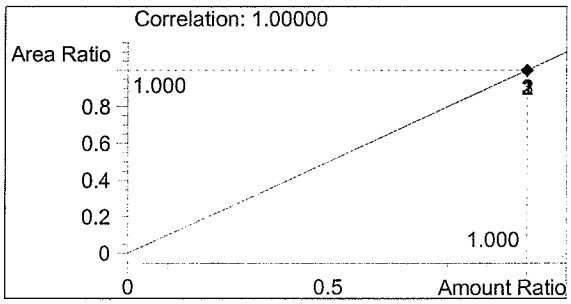


#	Compound	Area	RT
1	Ethanol	1929	1.037
2	n-Propanol	3420	1.690

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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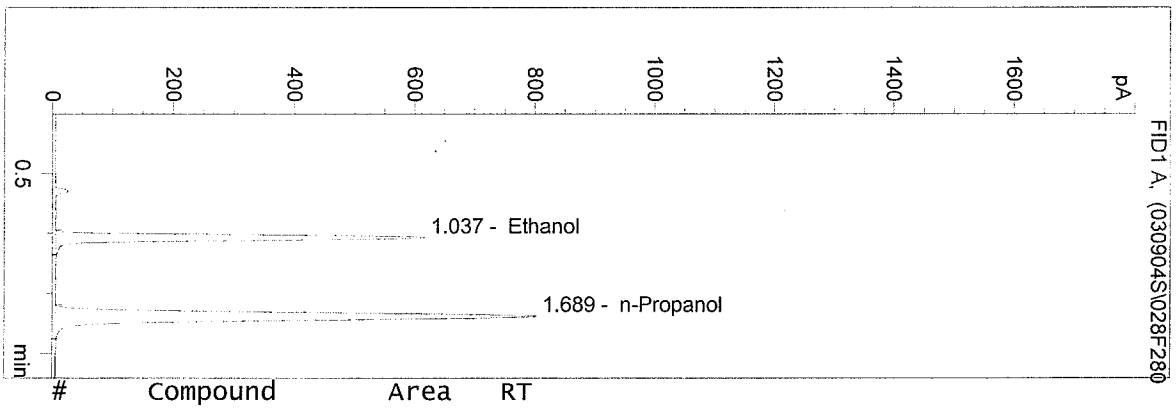
3/9/04 1:45:53 PM
Instrument 2
DR-ALC1

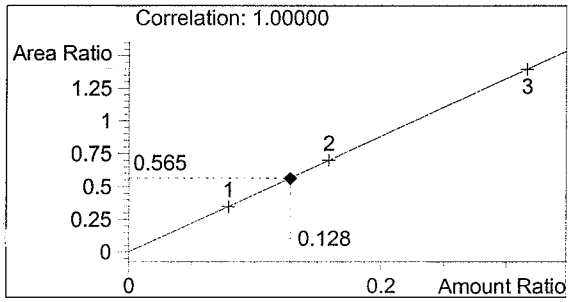
QA 04006
WP MARSHALL

vial # 28

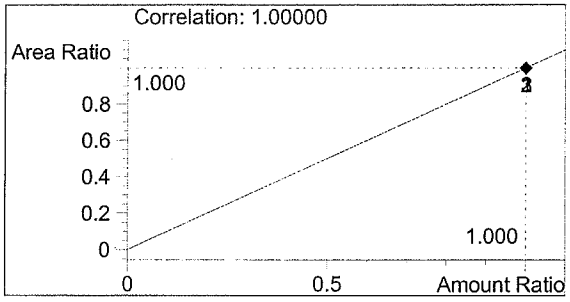


#	Compound	Area	RT
1	Ethanol	1916	1.037
2	n-Propanol	3391	1.689

Totals:



Ethanol 0.128 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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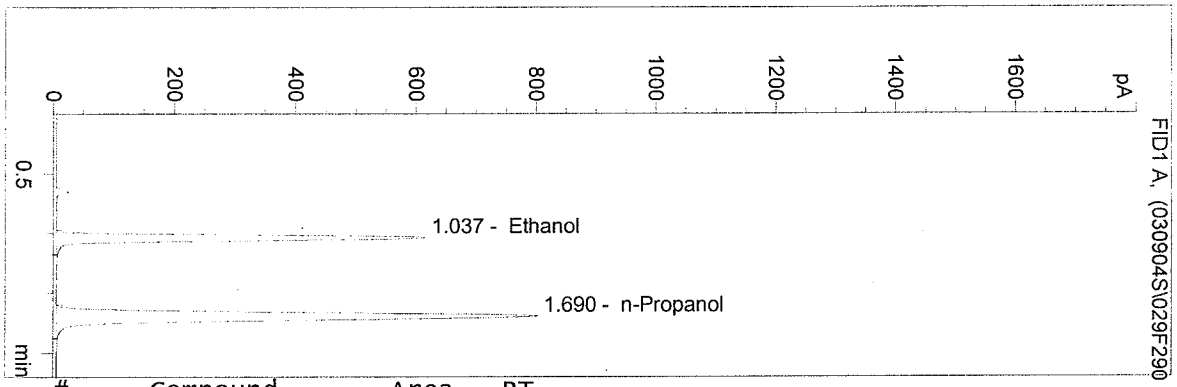
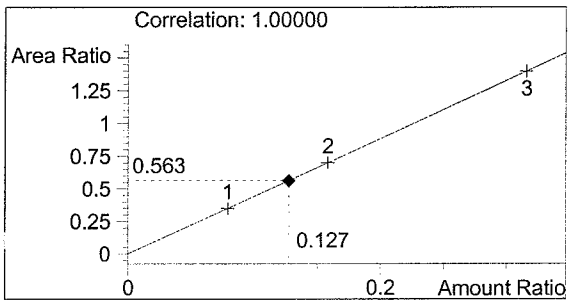
3/9/04 1:48:58 PM
Instrument 2
DR-ALC1

QA 04006
WP MARSHALL

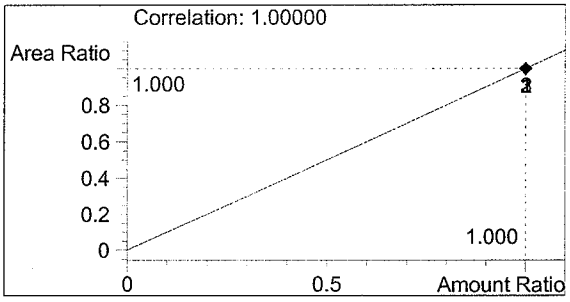
vial # 29



#	Compound	Area	RT
1	Ethanol	1912	1.037
2	n-Propanol	3396	1.690
Totals:			



Ethanol 0.127 g/100ml



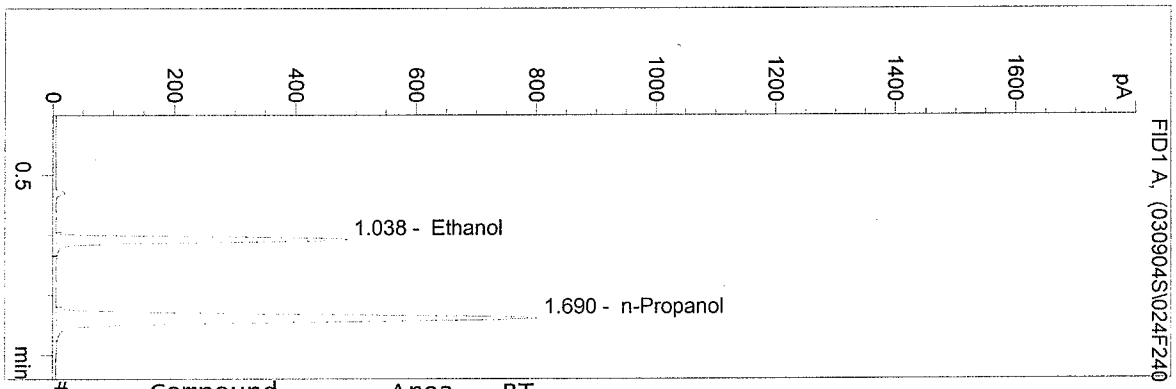
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

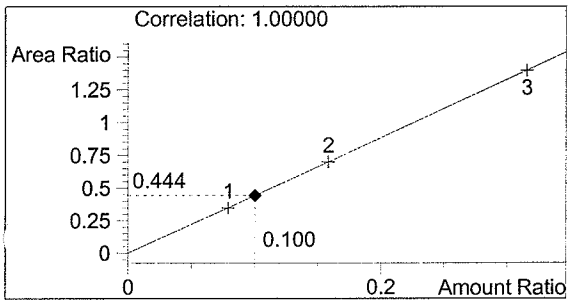
C:\HPCHEM\2\METHODS\BLDALCO2.M
3/9/04 1:33:35 PM
Instrument 2
DB-ALC1

CONTROL 0.10 WM
WP MARSHALL

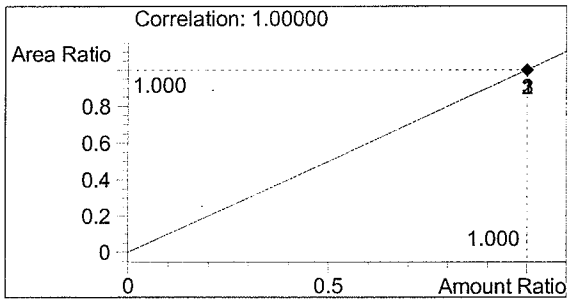
vial # 24



#	Compound	Area	RT
1	Ethanol	1508	1.038
2	n-Propanol	3397	1.690
Totals:			



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml