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.

K.L.D 10/15/2007

Tpr. Ken Denton Date

R G Gullberg 10-15-07

Rod G. Gullberg Date

Washington State Toxicology Laboratory

Simulator Solution Data Entry Review Form

Reviewer KREN DENTON / ROB GULLBERG Date 10-8-07

Location TOX LAB SEATTLE Batch Number 05044

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 X 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:

SIGNATURE DATE ON AFFIDAVITS APPEAR INCORRECT

Comments:

Reviewer Signature: R S Gullberg Date: 10-8-07

Reviewer Signature: K L Denton Date: 10/8/2007

9/26/2007

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

Batch number **05044** Date: 11/21/2005

Preparation: 22.2 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	Anal 13	Anal14	Anal 15	Anal 16
1	0.098	0.099	0.097													
2	0.098	0.099	0.098													
3	0.098	0.099	0.098													
4	0.098	0.099	0.098													
5	0.098	0.099	0.098													
Ctrl	0.100	0.101	0.098													

External Control:
Lot #: a028603 Exp date: 12/07
Target concentration: 0.10 g/100mL

Statistics:
Avg. solution concent.: 0.0983 g/100 mL
SD: 0.00059
Range (3xSD): 0.0965 to 0.1001
Precision CV (%): 0.6039 %

Equivalent vapor concent.: 0.0799 g/210L

Analyst	Name	Signature	Date
1	Justin Knoy		11/22/2005
2	Kari Gruendell		11/22/2005
3	William P Marshall		11/23/2005
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Prepared by: Justin Knoy according to the approved protocol

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

I, Justin L. Knoy, 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 DataMaster breath test instrument.

I possess the following qualifications: BS degree in Biology, and MS degree in Forensic Science.

The quality assurance solution, Lot Number 05044, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: ~~11/21/05~~
Seattle, WA

Justin L. Knoy
Forensic Toxicologist

JLK/la
JKQA

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.

10-11-07

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

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 DataMaster 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 05044, was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: 11/21/05
Seattle, WA

Kari Gruendell

Kari D. Gruendell
Forensic Toxicologist

KDG/la
KDGQA

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

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 DataMaster breath test instrument.

I possess the following qualifications: BS degree in Chemistry and thirty-one years of analytical laboratory experience including fifteen years of toxicology experience.

The quality assurance solution, Lot Number 05044 was prepared in the Washington State Toxicology Laboratory. I examined and tested this solution. The mean concentration of the alcohol was 0.0983 grams per 100ml.

Dated: 11/21/05
Seattle, WA

William P. Marshall
Forensic Toxicologist

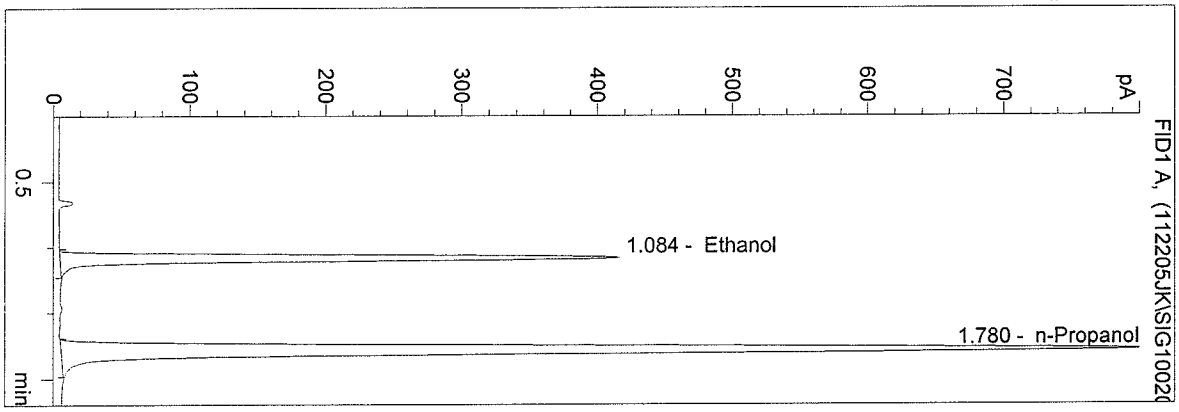
WPM/la
WMQA

WASHINGTON STATE TOXICOLOGY LABORATORY

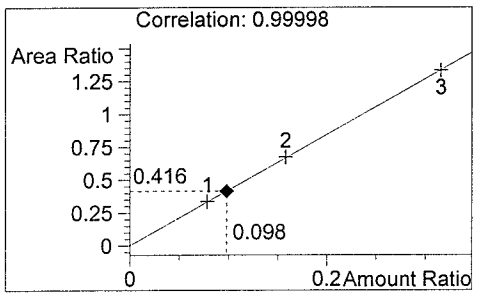
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 1:51:10 PM
Instrument 1
DB BAC 1

05044
J KNOY

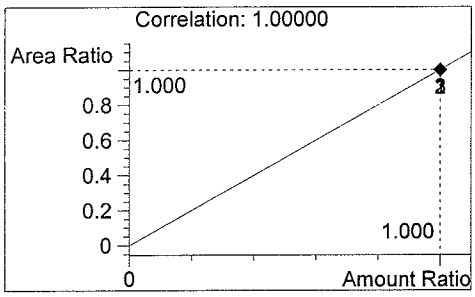
vial # 20



#	Compound	Area	RT
1	Ethanol	1343	1.084
2	n-Propanol	3226	1.780
Tot			



Ethanol 0.098 g/100ml



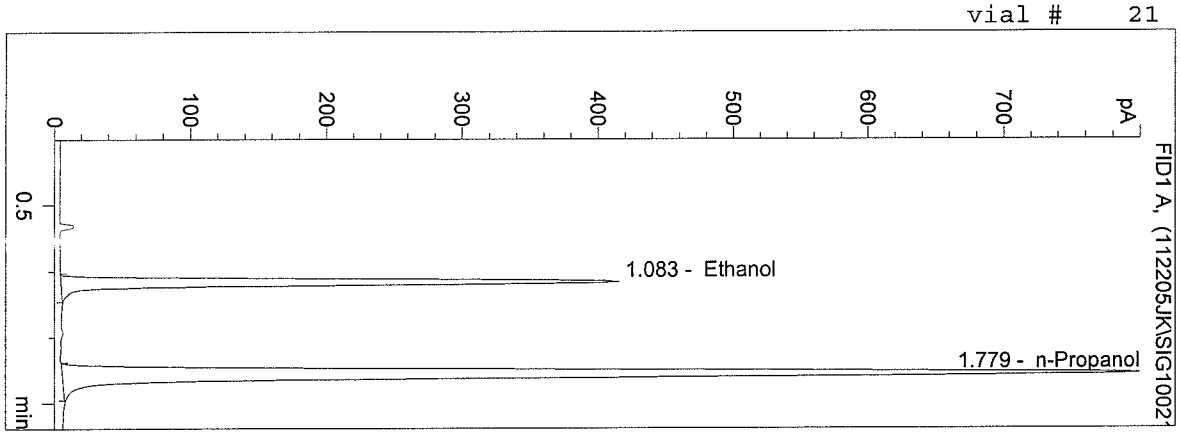
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

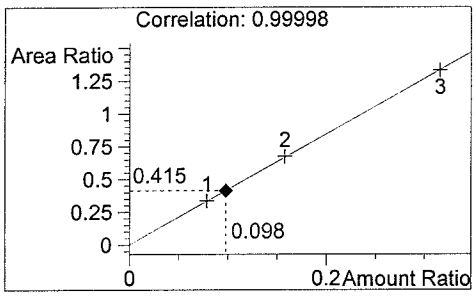
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 1:54:15 PM
Instrument 1
DB BAC 1

05044
J KNOY

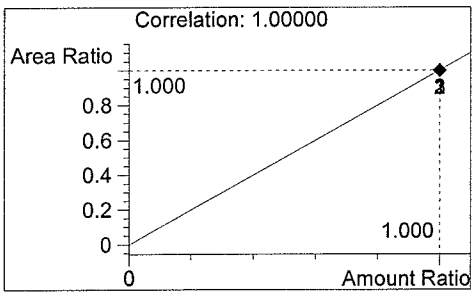
vial # 21



#	Compound	Area	RT
1	Ethanol	1330	1.083
2	n-Propanol	3207	1.779
Tot			



Ethanol 0.098 g/100ml

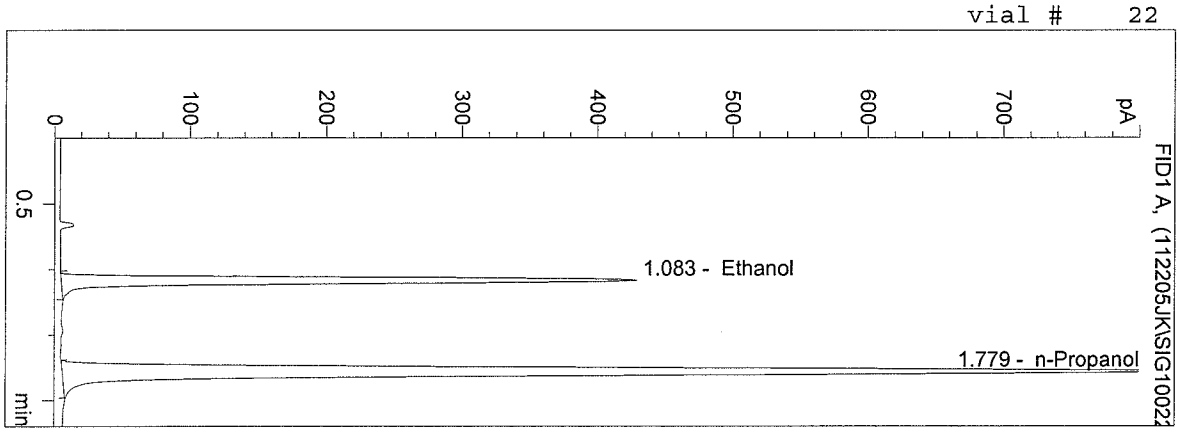


n-Propanol 1.000 g/100ml

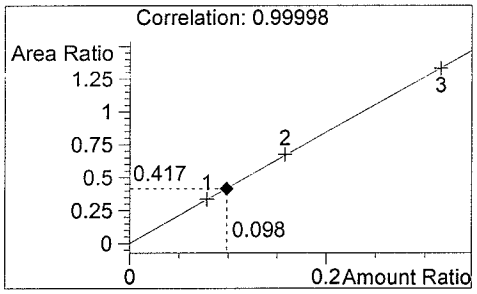
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 1:57:20 PM 05044
Instrument 1 J KNOY
DB BAC 1

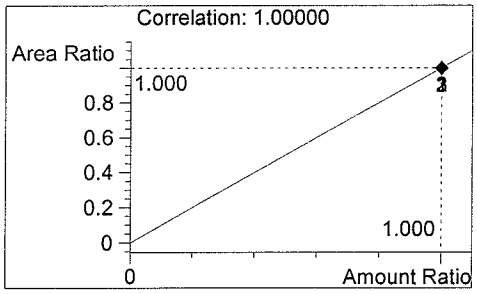
vial # 22



#	Compound	Area	RT
1	Ethanol	1371	1.083
2	n-Propanol	3285	1.779
Tot			



Ethanol 0.098 g/100ml

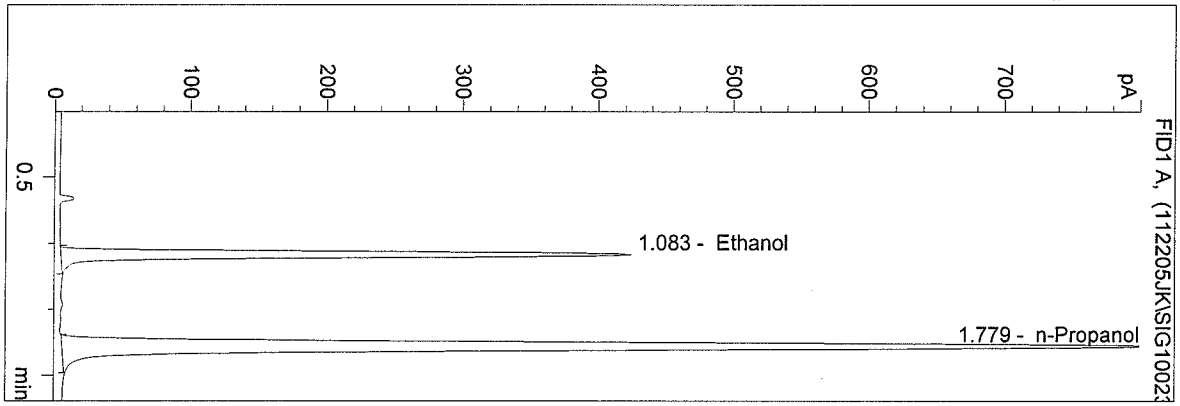


n-Propanol 1.000 g/100ml

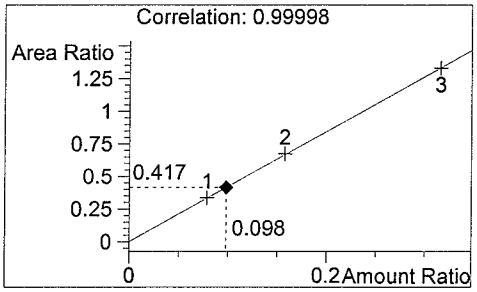
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 2:00:24 PM 05044
Instrument 1 J KNOY
DB BAC 1

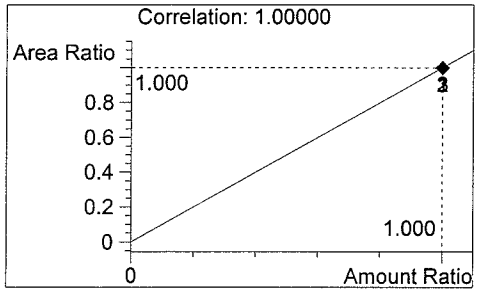
vial # 23



#	Compound	Area	RT
1	Ethanol	1361	1.083
2	n-Propanol	3265	1.779
Tot			



Ethanol 0.098 g/100ml

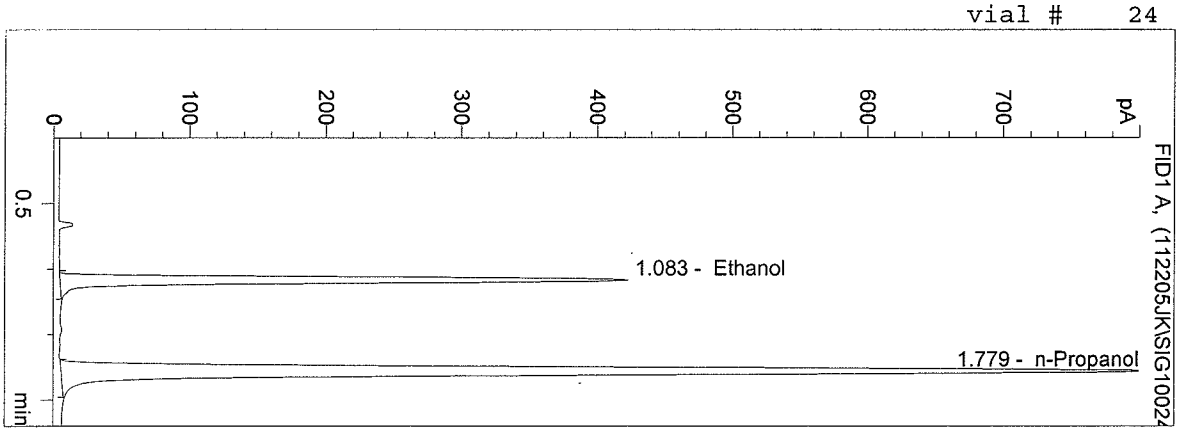


n-Propanol 1.000 g/100ml

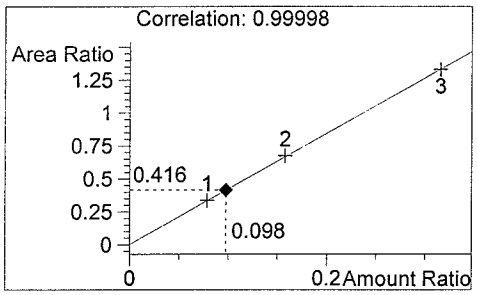
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 2:03:29 PM 05044
Instrument 1 J KNOY
DB BAC 1

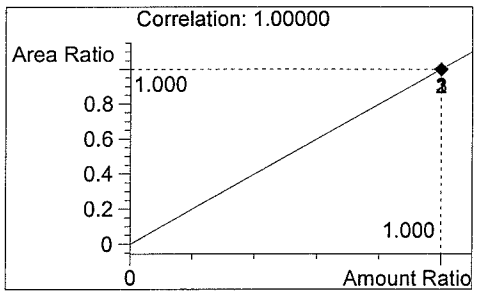
vial # 24



#	Compound	Area	RT
1	Ethanol	1351	1.083
2	n-Propanol	3252	1.779
Tot			



Ethanol 0.098 g/100ml



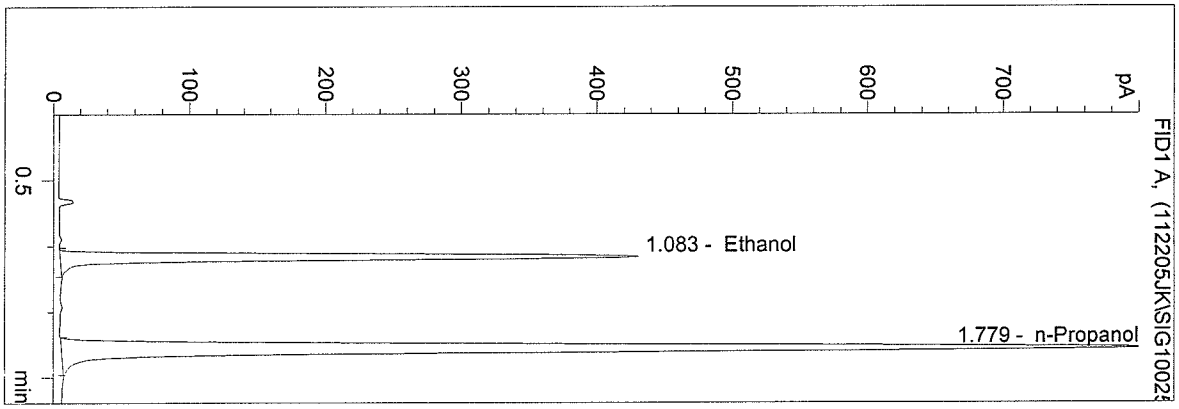
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

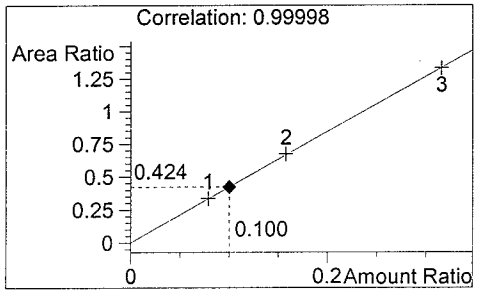
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 2:06:34 PM
Instrument 1
DB BAC 1

0.10 CTRL JK
J KNOY

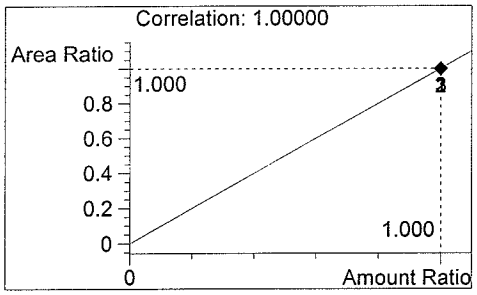
vial # 25



#	Compound	Area	RT
1	Ethanol	1376	1.083
2	n-Propanol	3242	1.779
Tot			



Ethanol 0.100 g/100ml



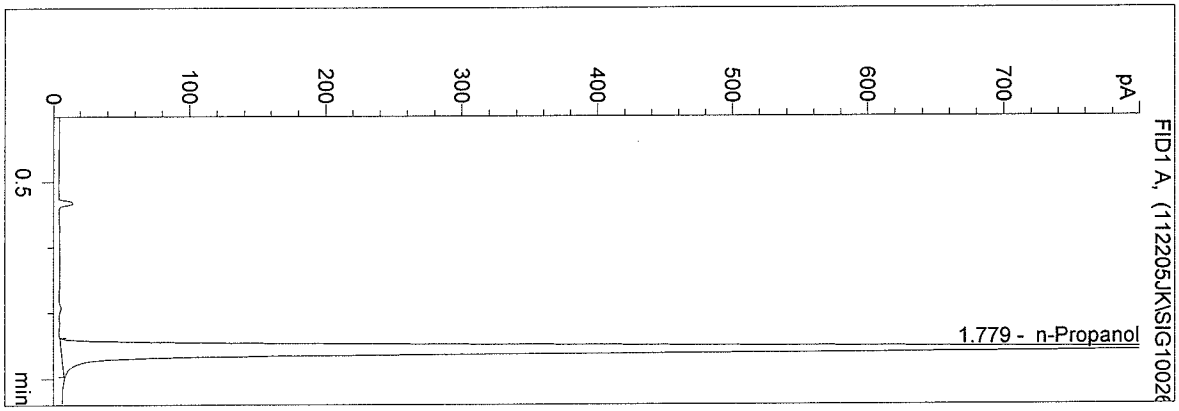
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

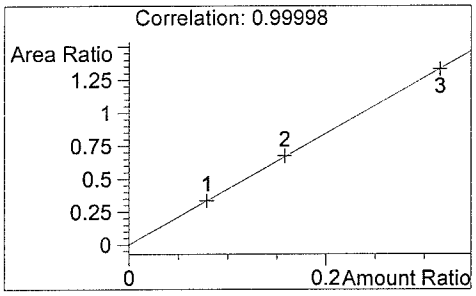
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 2:09:38 PM
Instrument 1
DB BAC 1

BLANK
J KNOY

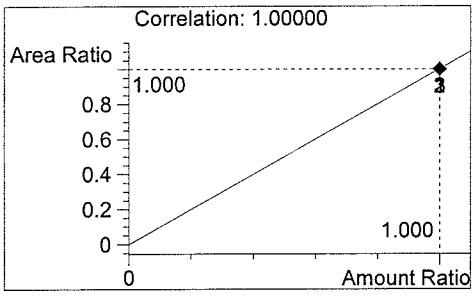
vial # 26



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3568	1.779
Tot			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

Calibration Table

ETOH CALIBRATION

Calib. Data Modified : Tuesday, November 29, 2005 1:58:02 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 0.200 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.200 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : Floating Average New 99%
Average Retention Time: Floating Average New 99%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100ml]	Name
1	1.00000	n-PROPANOL

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100ml]	Area	Amt/Area	Ref	Grp	Name
1.039	1	1	7.90000e-2	584.46613	1.35166e-4	1		ETHANOL
		2	1.58000e-1	1231.66711	1.28281e-4			
		3	3.16000e-1	2265.06519	1.39510e-4			
1.775	1	1	1.00000	1586.33057	6.30386e-4	I1		n-PROPANOL
		2	1.00000	1656.89929	6.03537e-4			
		3	1.00000	1553.62158	6.43657e-4			

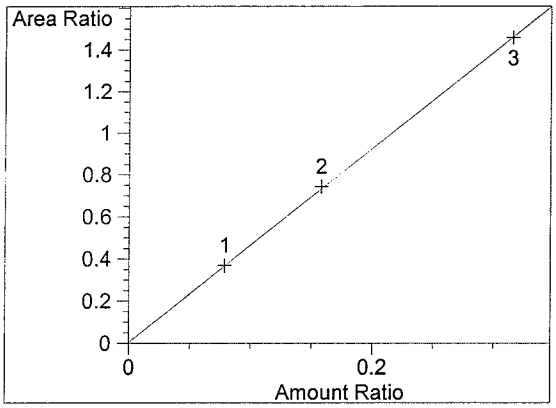
Peak Sum Table

No Entries in table

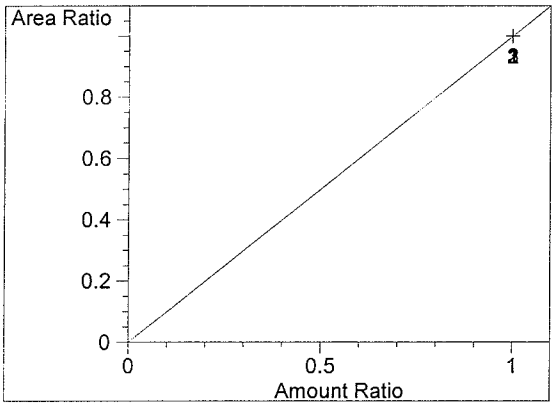
==========

Calibration Curves

==========



ETHANOL at exp. RT: 1.039
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00832
Formula: y = mx + b
m: 4.61460
b: 4.46177e-3
x: Amount Ratio
y: Area Ratio



n-PROPANOL at exp. RT: 1.775
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

Sequence Parameters:

Operator:	J KNOY
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	112205JK
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	BLANK	BLDALCO	1	Sample		
2	Vial 2	0.079 CAL	BLDALCO	1	Calib		
3	Vial 3	0.158 CAL	BLDALCO	1	Calib		
4	Vial 4	0.316 CAL	BLDALCO	1	Calib		
5	Vial 5	BLANK	BLDALCO	1	Ctrl Samp		
6	Vial 6	0.04 MIX	VOL	1	Calib		
7	Vial 7	0.08 MIX	VOL	1	Calib		
8	Vial 8	0.02 STD	BLDALCO	1	Sample		
9	Vial 9	0.04 CONTROL-JK	BLDALCO	1	Ctrl Samp		
10	Vial 10	0.10 CONTROL-JK	BLDALCO	1	Ctrl Samp		
11	Vial 11	0.20 CONTROL-JK	BLDALCO	1	Ctrl Samp		
12	Vial 12	BLANK	BLDALCO	1	Sample		
~~13~~	~~Vial 13~~	~~05043~~	~~BLDALCO~~	~~1~~	~~Sample~~		
~~14~~	~~Vial 14~~	~~05043~~	~~BLDALCO~~	~~1~~	~~Sample~~		
~~15~~	~~Vial 15~~	~~05043~~	~~BLDALCO~~	~~1~~	~~Sample~~		
~~16~~	~~Vial 16~~	~~05043~~	~~BLDALCO~~	~~1~~	~~Sample~~		
~~17~~	~~Vial 17~~	~~05043~~	~~BLDALCO~~	~~1~~	~~Sample~~		
18	Vial 18	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
19	Vial 19	BLANK	BLDALCO	1	Sample		
20	Vial 20	05044	BLDALCO	1	Sample		
21	Vial 21	05044	BLDALCO	1	Sample		
22	Vial 22	05044	BLDALCO	1	Sample		
23	Vial 23	05044	BLDALCO	1	Sample		
24	Vial 24	05044	BLDALCO	1	Sample		
25	Vial 25	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
26	Vial 26	BLANK	BLDALCO	1	Sample		
27	Vial 27	05045	BLDALCO	1	Sample		
28	Vial 28	05045	BLDALCO	1	Sample		
29	Vial 29	05045	BLDALCO	1	Sample		
30	Vial 30	05045	BLDALCO	1	Sample		
31	Vial 31	05045	BLDALCO	1	Sample		
32	Vial 32	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
33	Vial 33	BLANK	BLDALCO	1	Sample		
34	Vial 34	05046	BLDALCO	1	Sample		
35	Vial 35	05046	BLDALCO	1	Sample		
36	Vial 36	05046	BLDALCO	1	Sample		

remade 11\26\05
See Memo in File

Sequence: C:\HPCHEM\1\SEQUENCE\JKRUN.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
37	Vial 37	05046	BLDALCO	1	Sample		
38	Vial 38	05046	BLDALCO	1	Sample		
39	Vial 39	0.10 CTRL JK	BLDALCO	1	Ctrl Samp		
40	Vial 40	BLANK	BLDALCO	1	Sample		

Sequence Table (Back Injector):

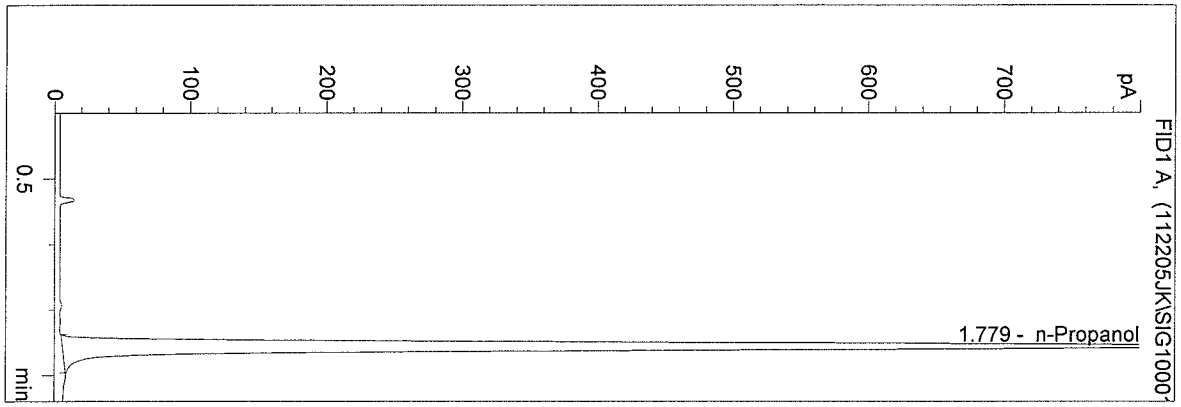
No entries - empty table!

WASHINGTON STATE TOXICOLOGY LABORATORY

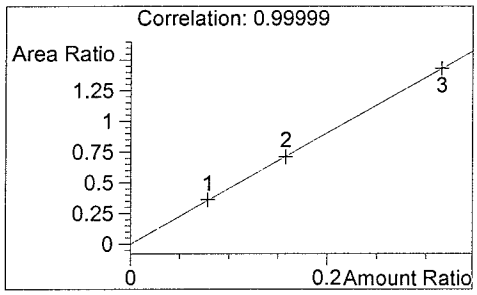
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 12:52:23 PM
Instrument 1
DB BAC 1

BLANK
J KNOY

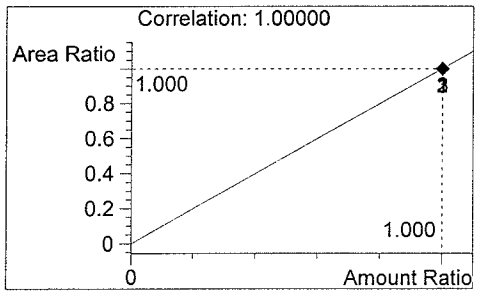
vial # 1



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3579	1.779
Tot			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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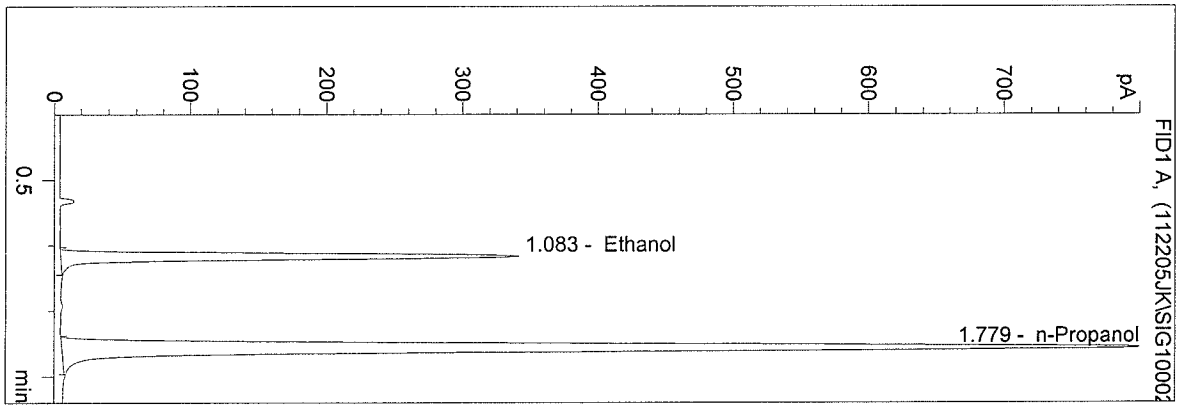
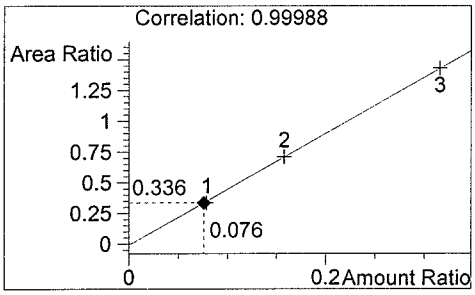
11/22/2005 12:55:27 PM
Instrument 1
DB BAC 1

0.079 CAL
J KNOY

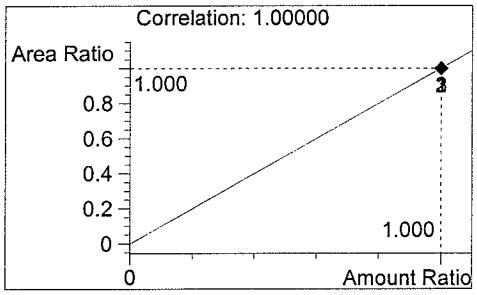
vial # 2



#	Compound	Area	RT
1	Ethanol	1094	1.083
2	n-Propanol	3251	1.779
Tot			



Ethanol 0.076 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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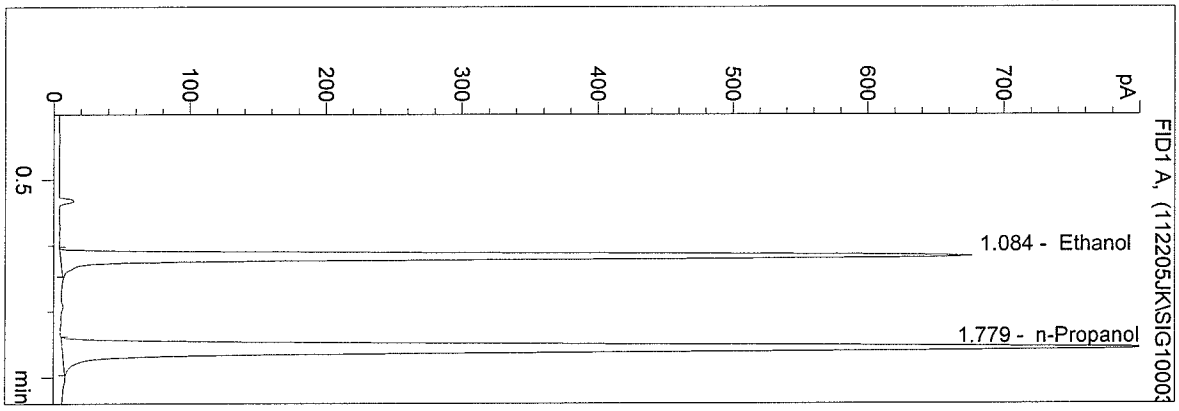
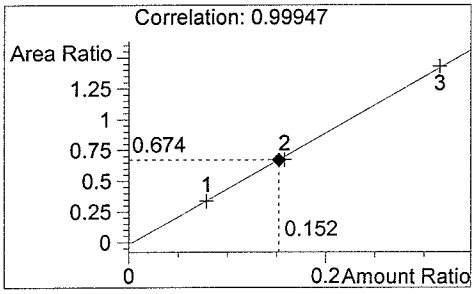
11/22/2005 12:58:32 PM
Instrument 1
DB BAC 1

0.158 CAL
J KNOY

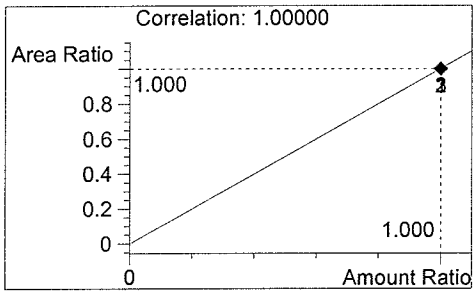
vial # 3



#	Compound	Area	RT
1	Ethanol	2198	1.084
2	n-Propanol	3264	1.779
Tot			



Ethanol 0.152 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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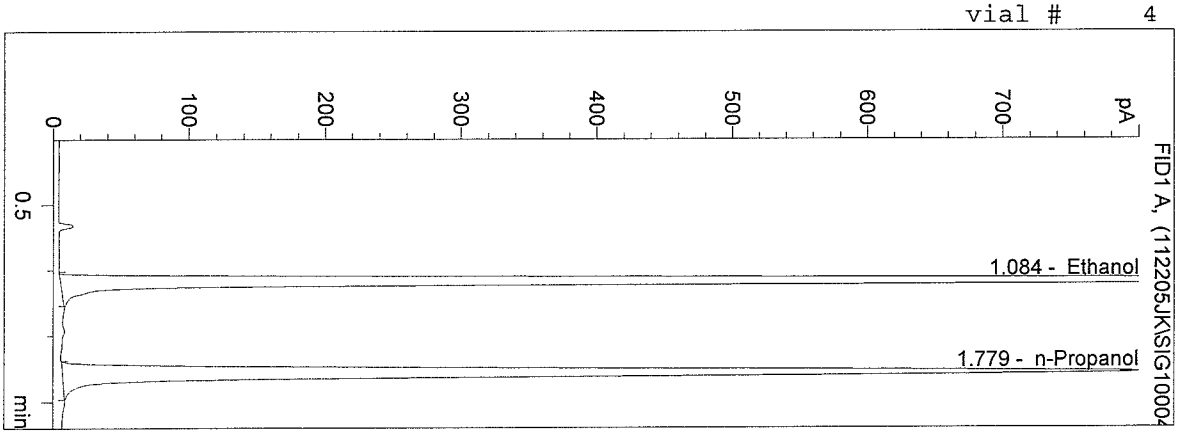
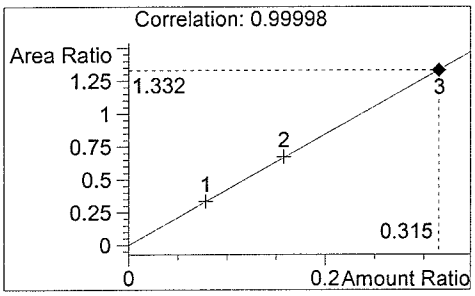
11/22/2005 1:01:37 PM
Instrument 1
DB BAC 1

0.316 CAL
J KNOY

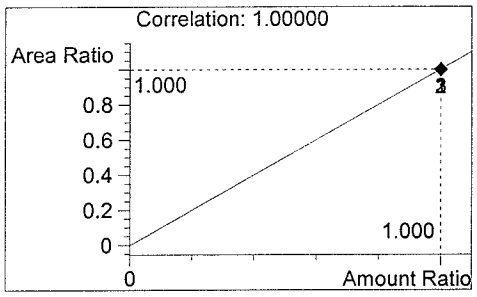
vial # 4



#	Compound	Area	RT
1	Ethanol	4294	1.084
2	n-Propanol	3225	1.779
Tot			



Ethanol 0.315 g/100ml



n-Propanol 1.000 g/100ml

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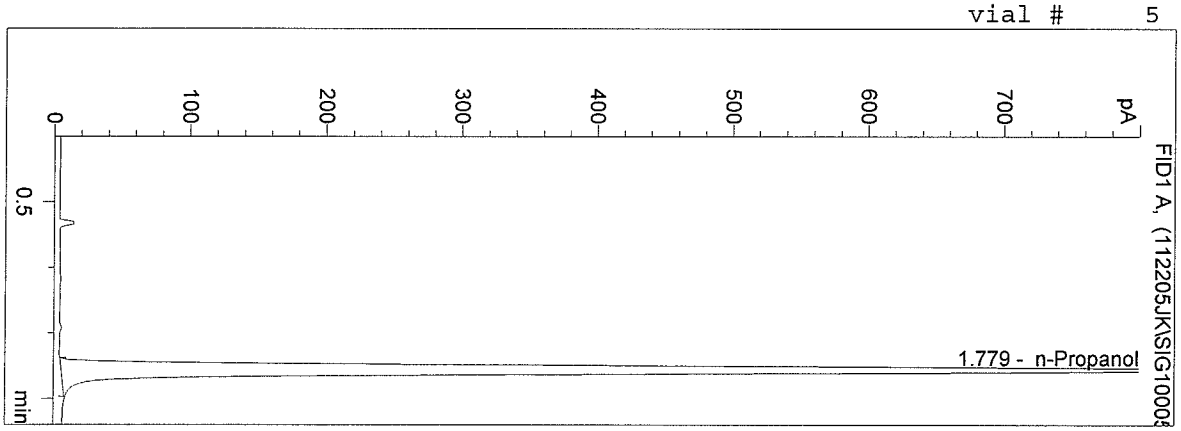
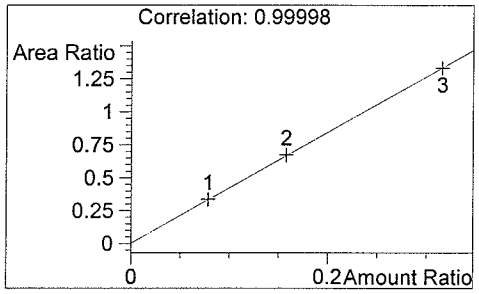
11/22/2005 1:04:42 PM
Instrument 1
DB BAC 1

BLANK
J KNOY

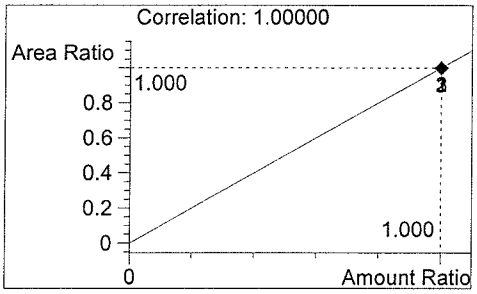
vial # 5



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3578	1.779
Tot			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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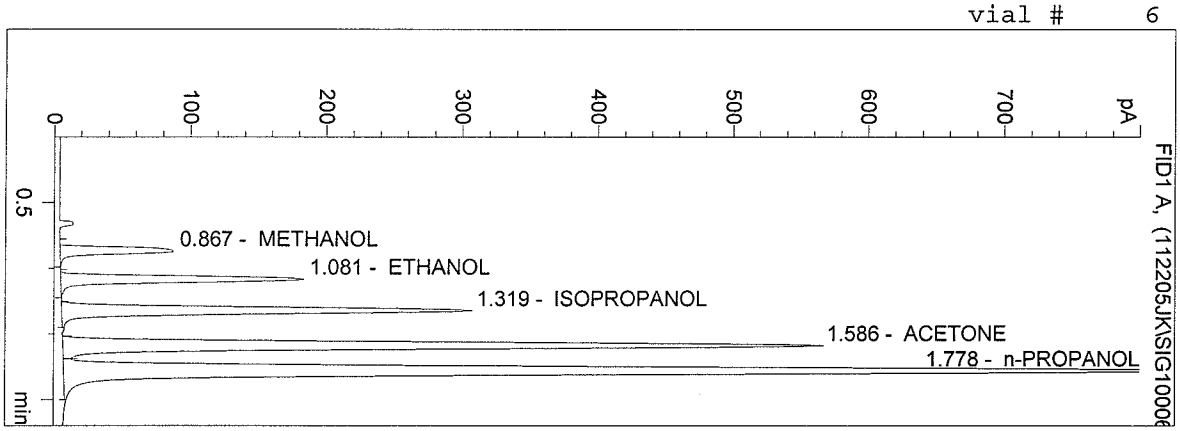
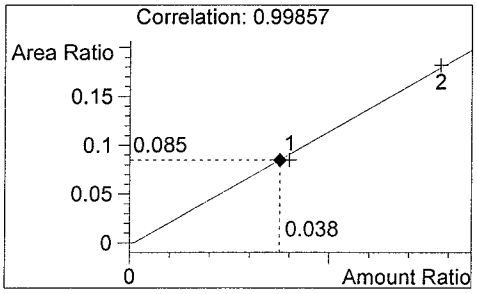
11/22/2005 1:07:54 PM
Instrument 1
DB BAC 1

0.04 MIX
J KNOY

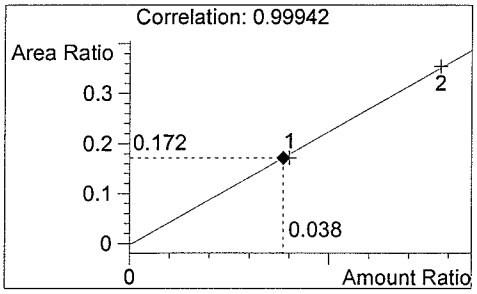
vial # 6



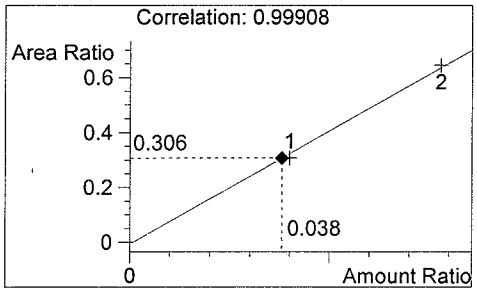
#	Compound	Area	RT
1	METHANOL	287	0.867
2	ETHANOL	579	1.081
3	ISOPROPANOL	1035	1.319
4	ACETONE	1982	1.586
5	n-PROPANOL	3378	1.778
Tot			



METHANOL 0.038 g/100ml



ETHANOL 0.038 g/100ml



ISOPROPANOL 0.038 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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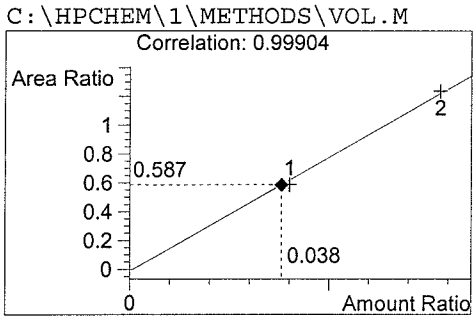
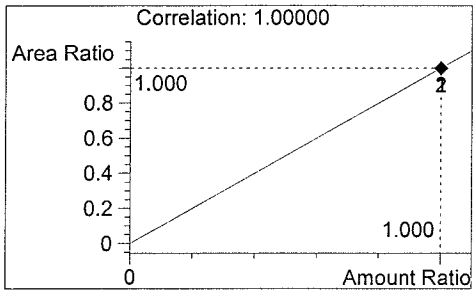


ACETONE 0.038 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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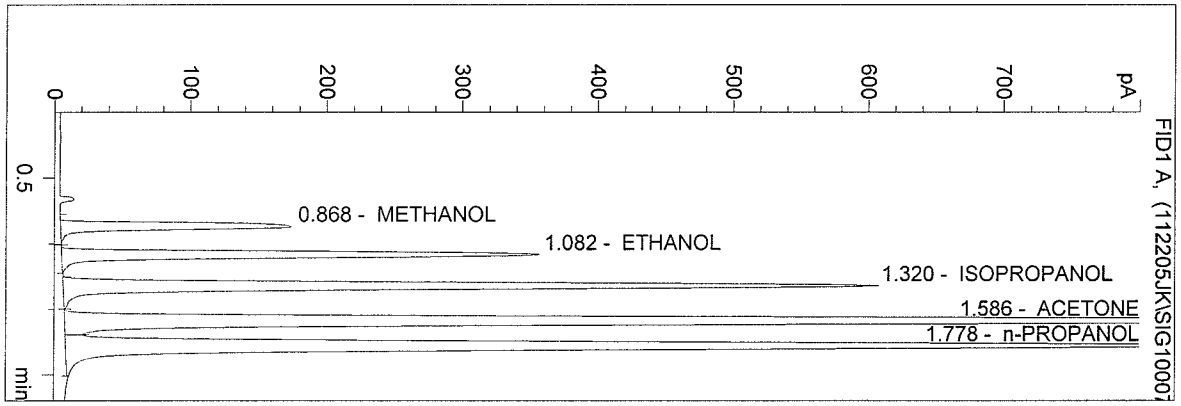
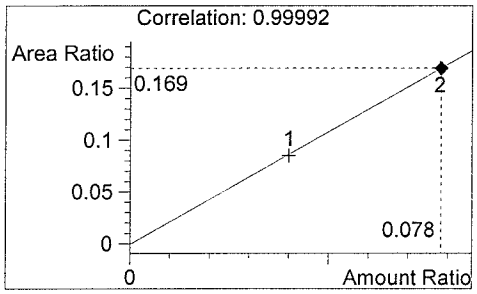
11/22/2005 1:10:59 PM
Instrument 1
DB BAC 1

0.08 MIX
J KNOY

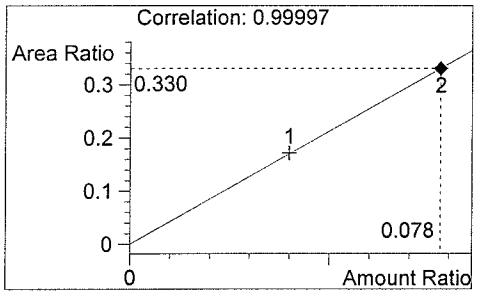
vial # 7



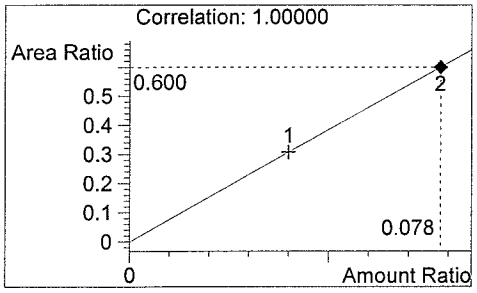
#	Compound	Area	RT
1	METHANOL	588	0.868
2	ETHANOL	1147	1.082
3	ISOPROPANOL	2083	1.320
4	ACETONE	4062	1.586
5	n-PROPANOL	3473	1.778
Tot			



METHANOL 0.078 g/100ml



ETHANOL 0.078 g/100ml



ISOPROPANOL 0.078 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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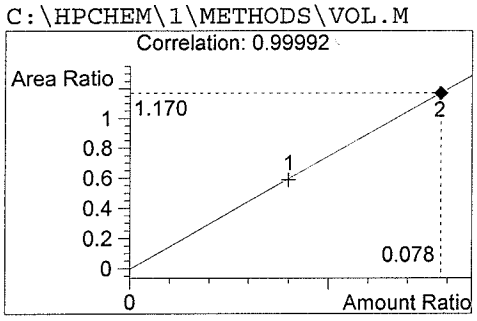
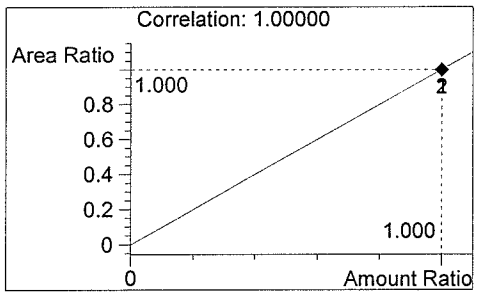


ACETONE 0.078 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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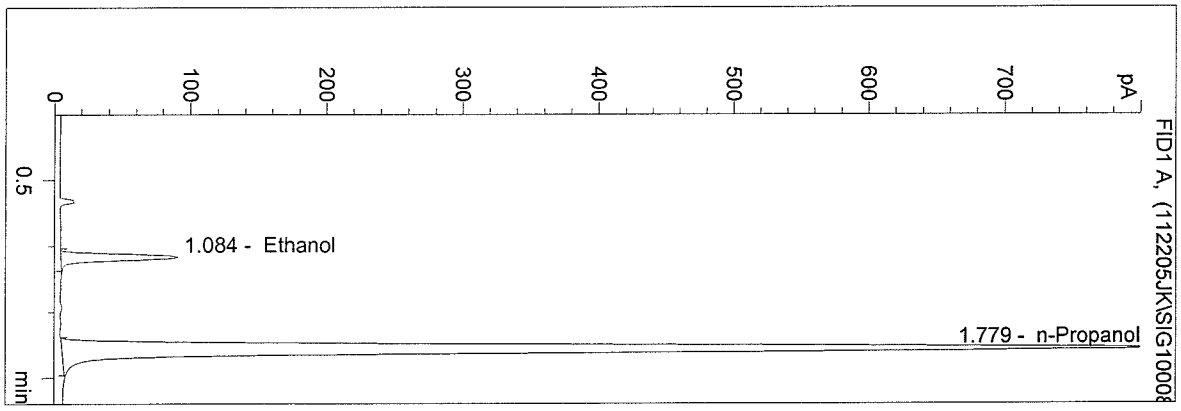
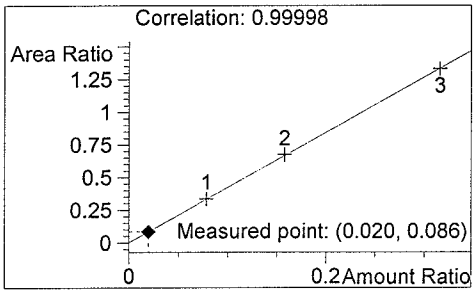
11/22/2005 1:14:13 PM
Instrument 1
DB BAC 1

0.02 STD
J KNOY

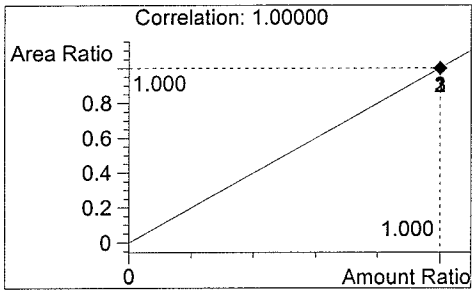
vial # 8



#	Compound	Area	RT
1	Ethanol	279	1.084
2	n-Propanol	3259	1.779
Tot			



Ethanol 0.020 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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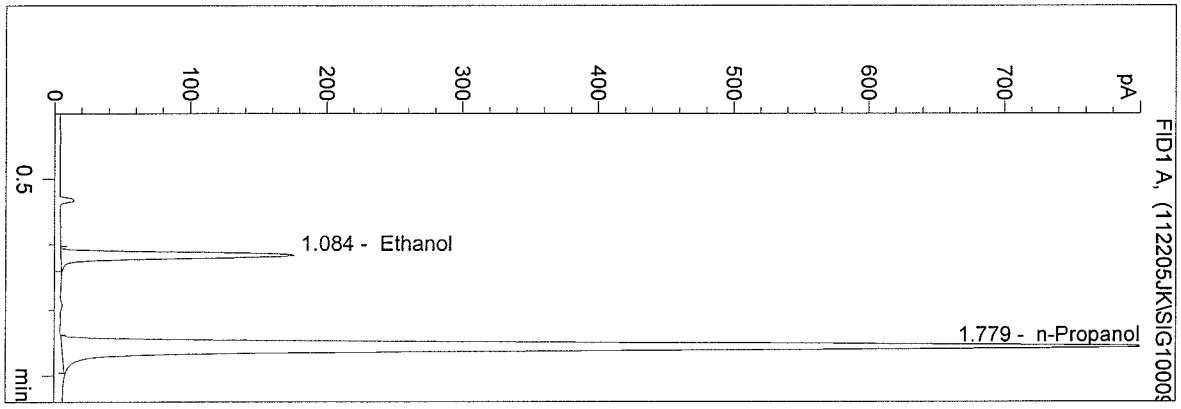
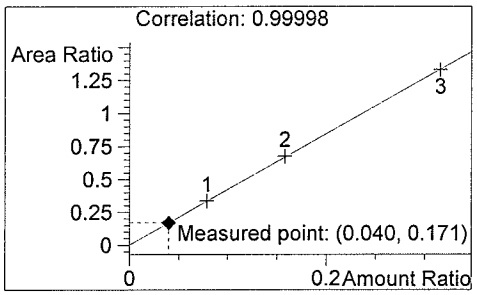
11/22/2005 1:17:17 PM
Instrument 1
DB BAC 1

0.04 CONTROL-JK
J KNOY

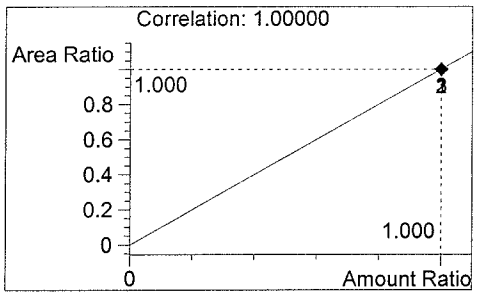
vial # 9



#	Compound	Area	RT
1	Ethanol	558	1.084
2	n-Propanol	3272	1.779
Tot			



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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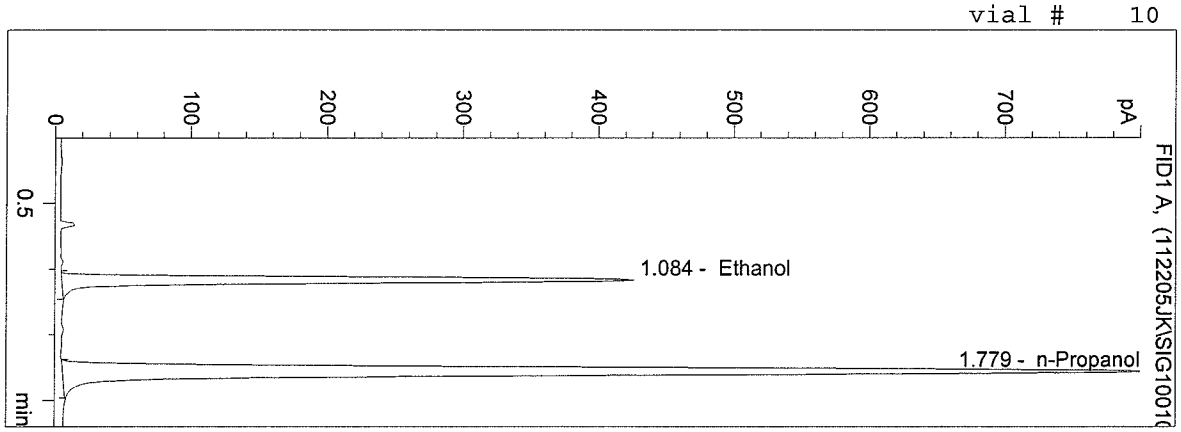
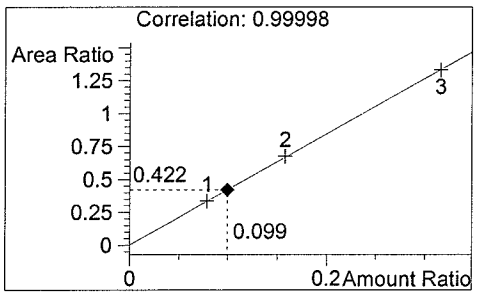
11/22/2005 1:20:22 PM
Instrument 1
DB BAC 1

0.10 CONTROL-JK
J KNOY

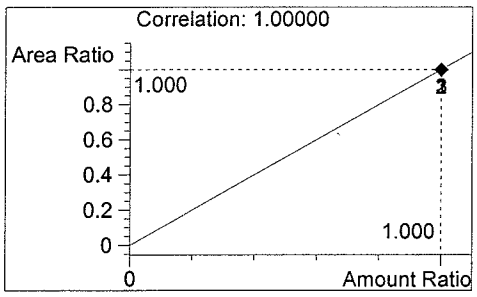
vial # 10



#	Compound	Area	RT
1	Ethanol	1368	1.084
2	n-Propanol	3241	1.779
Tot			



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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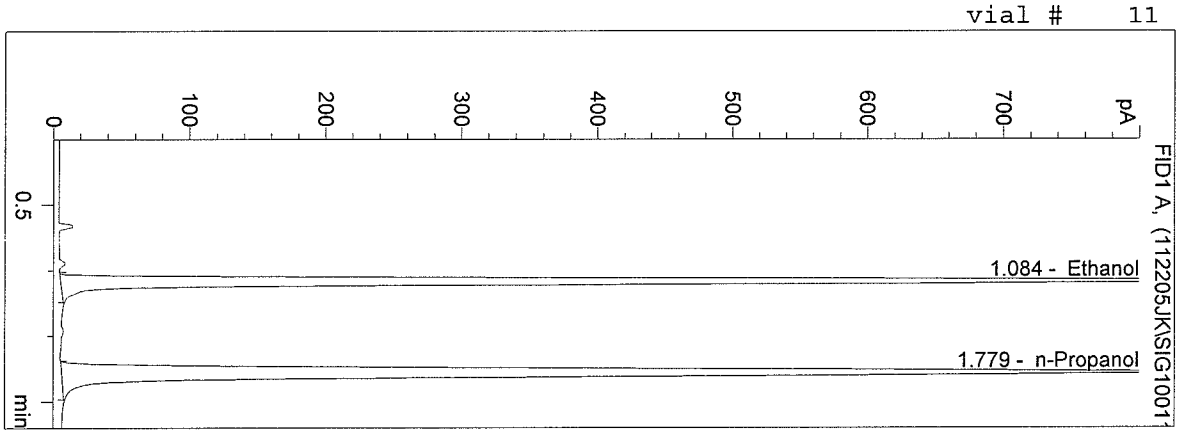
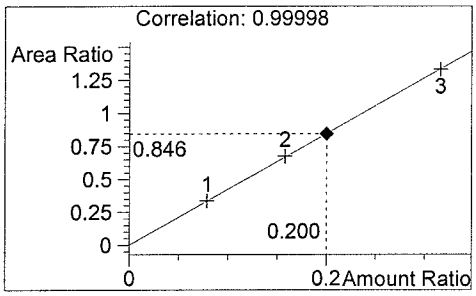
11/22/2005 1:23:27 PM
Instrument 1
DB BAC 1

0.20 CONTROL-JK
J KNOY

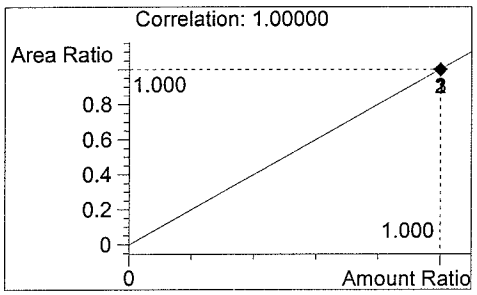
vial # 11



#	Compound	Area	RT
1	Ethanol	2812	1.084
2	n-Propanol	3325	1.779
Tot			



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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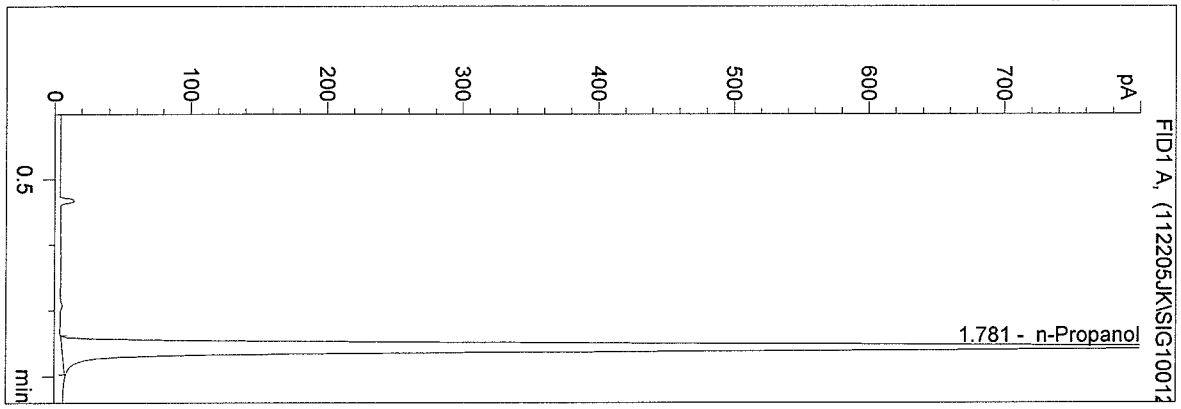
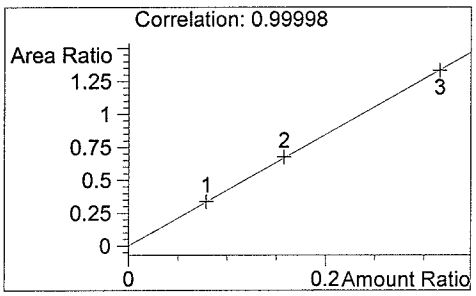
Instrument 1
DB BAC 1

BLANK
J KNOY

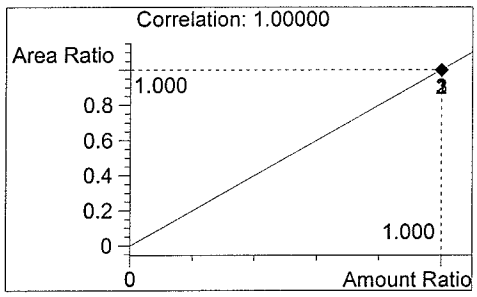
vial # 12



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3540	1.781
Tot			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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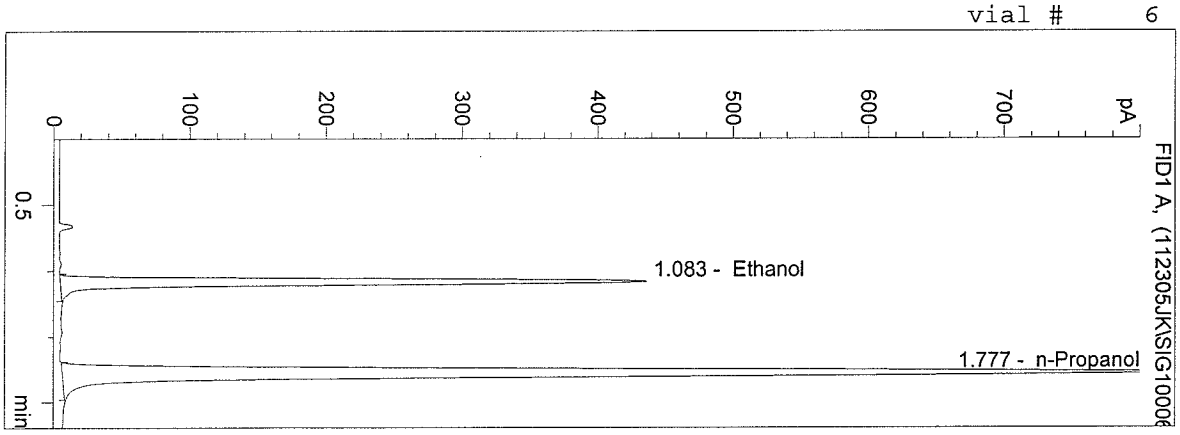
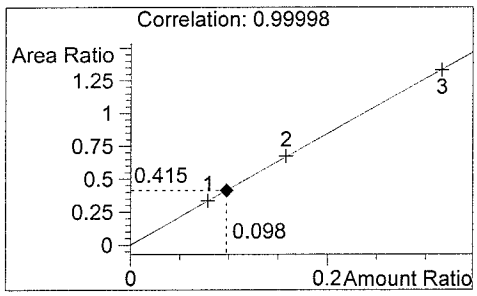
11/23/2005 8:39:47 AM
Instrument 1
DB BAC 1

0.10 CTRL JK
Justin Knoy

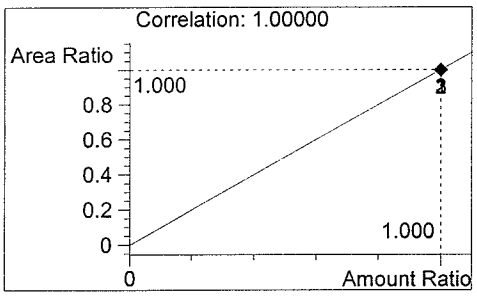
vial # 6



#	Compound	Area	RT
1	Ethanol	1378	1.083
2	n-Propanol	3321	1.777
Tot			



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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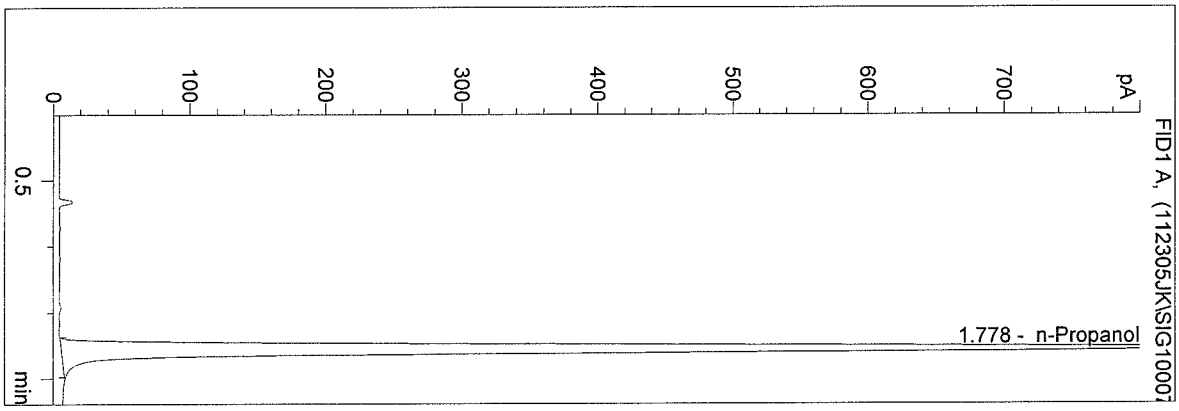
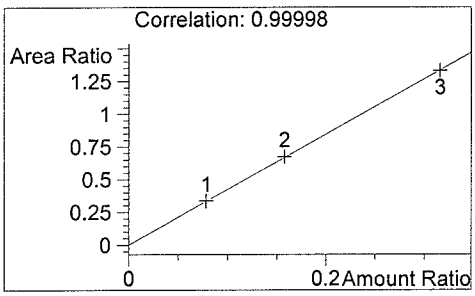
11/23/2005 8:42:52 AM
Instrument 1
DB BAC 1

BLANK
Justin Knoy

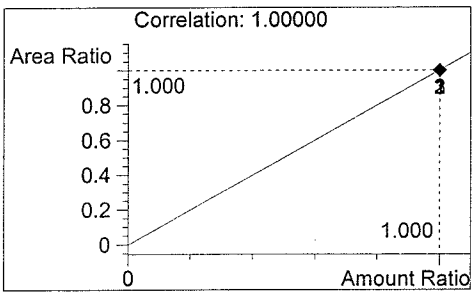
vial # 7



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3652	1.778
Tot			



Ethanol 0.000 g/100ml



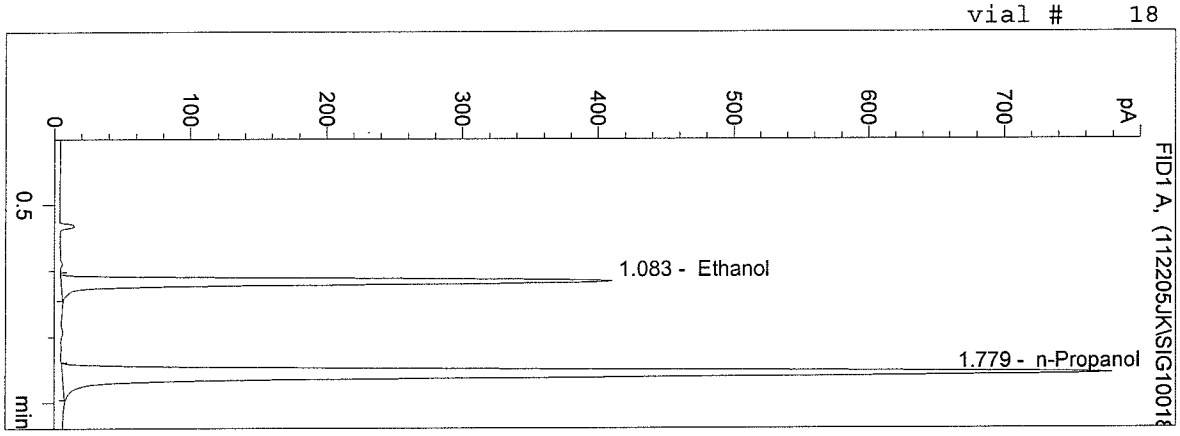
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

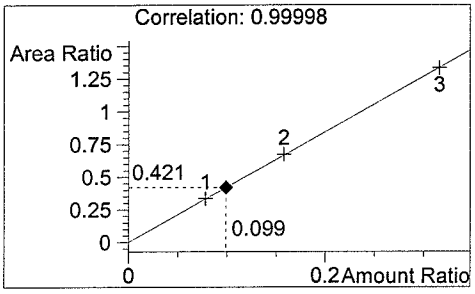
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 1:45:00 PM
Instrument 1
DB BAC 1

0.10 CTRL JK
J KNOY

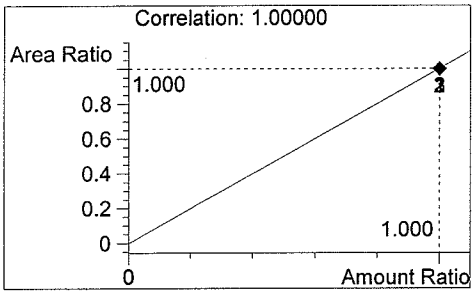
vial # 18



#	Compound	Area	RT
1	Ethanol	1314	1.083
2	n-Propanol	3119	1.779
Tot			



Ethanol 0.099 g/100ml



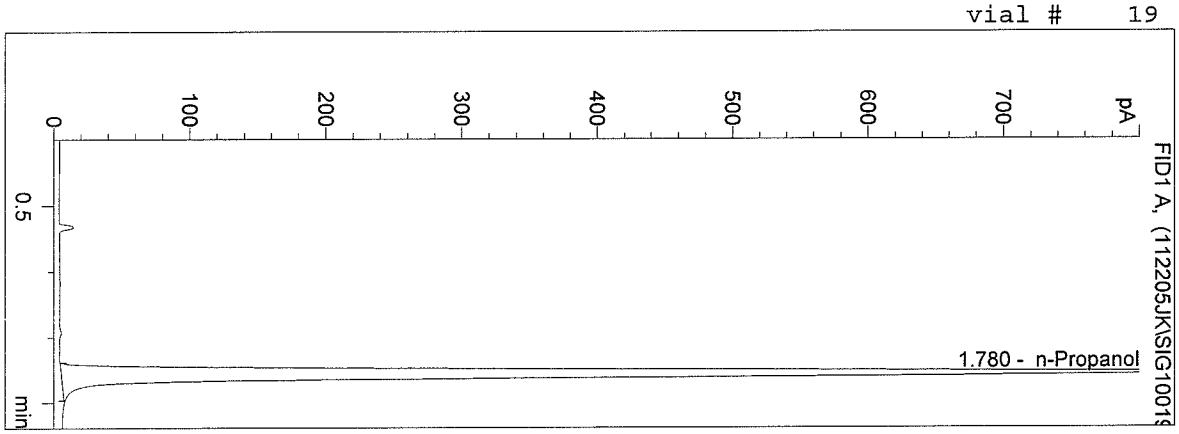
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

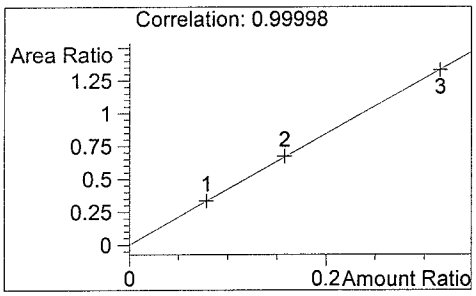
C:\HPCHEM\1\METHODS\BLDALCO.M
11/22/2005 1:48:05 PM
Instrument 1
DB BAC 1

BLANK
J KNOY

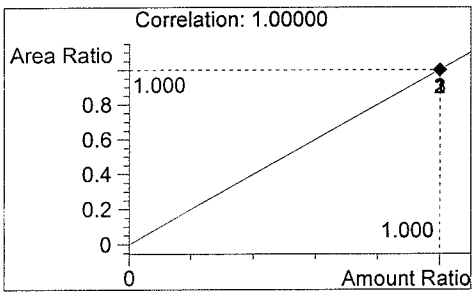
vial # 19



#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	3472	1.780
Tot			



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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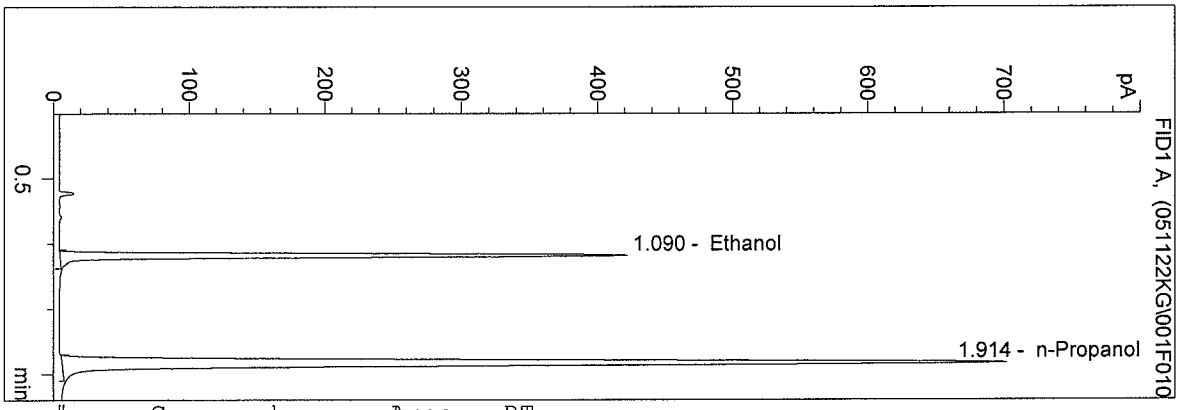
11/22/2005 6:55:29 AM
Instrument 5
DB-ALC2

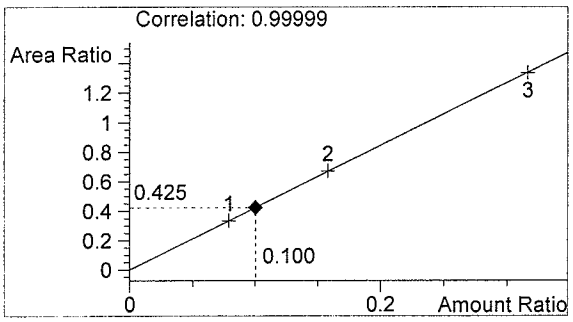
0.10 CONTROL KG
Kari Gruendell

vial # 1

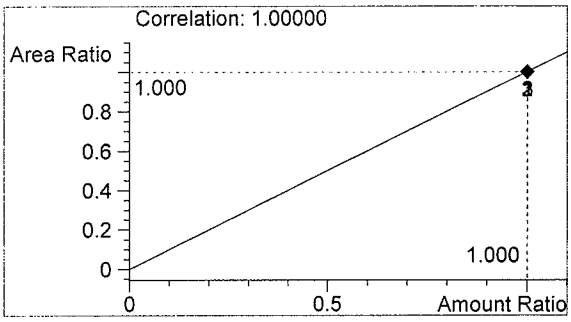


#	Compound	Area	RT
1	Ethanol	875	1.090
2	n-Propanol	2060	1.914

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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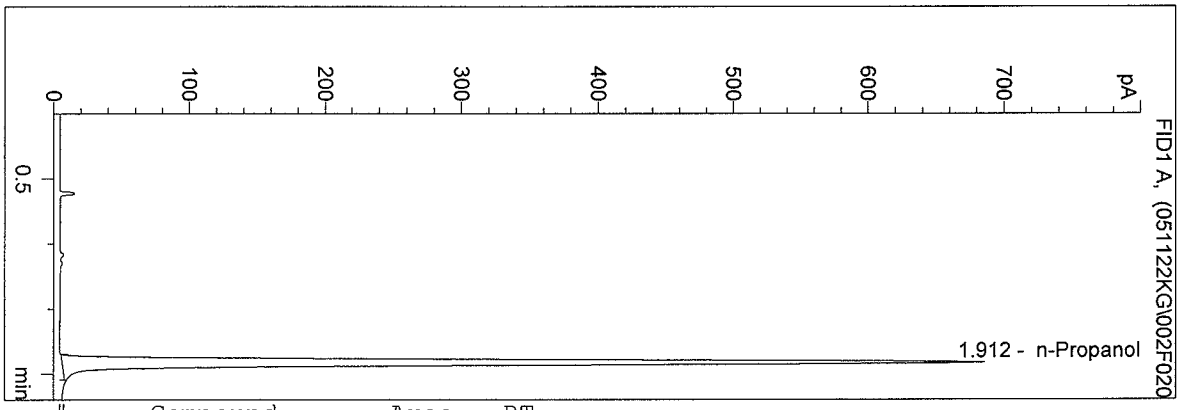
11/22/2005 6:58:44 AM
Instrument 5
DB-ALC2

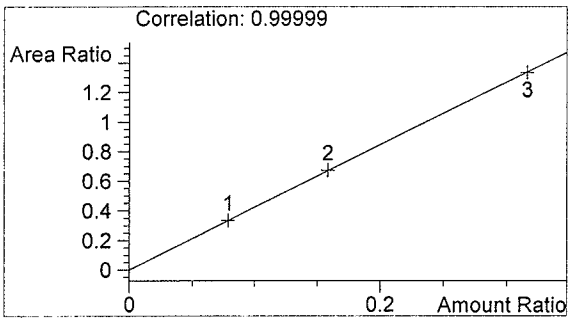
BLANK
Kari Gruendell

vial # 2

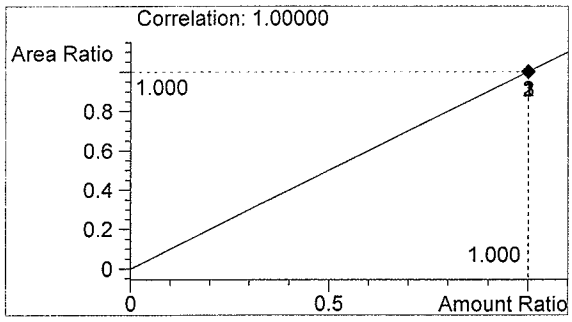


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2015	1.912

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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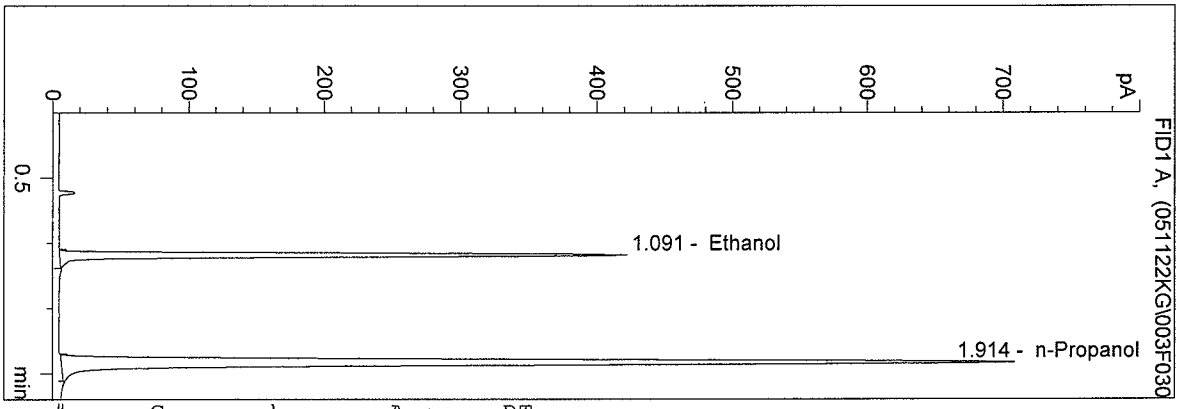
11/22/2005 7:01:57 AM
Instrument 5
DB-ALC2

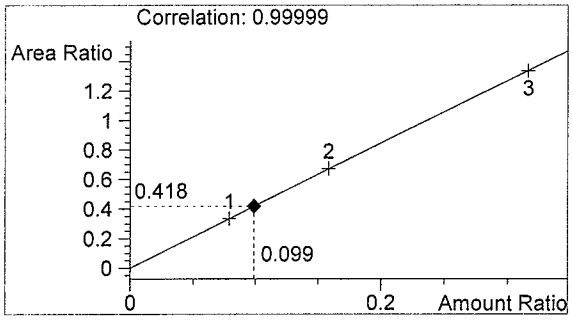
QA 05044 #1
Kari Gruendell

vial # 3

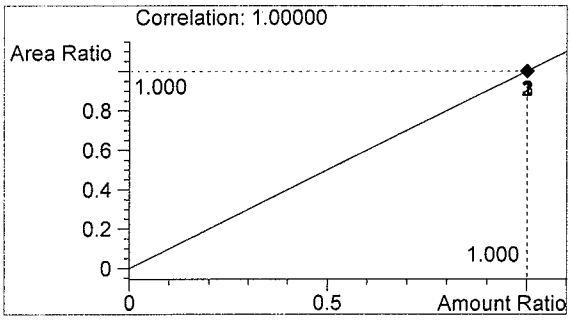


#	Compound	Area	RT
1	Ethanol	871	1.091
2	n-Propanol	2085	1.914

Totals:



Ethanol 0.099 g/100ml



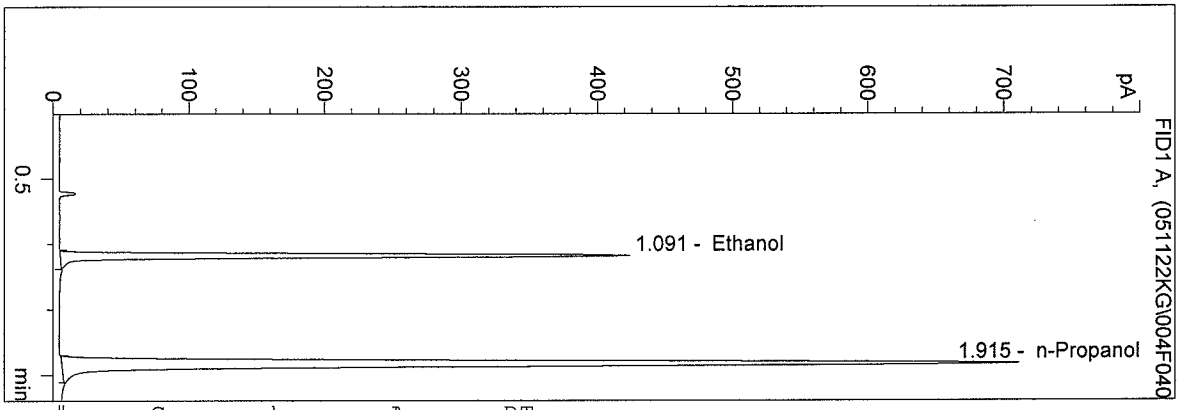
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/22/2005 7:05:17 AM
Instrument 5
DB-ALC2

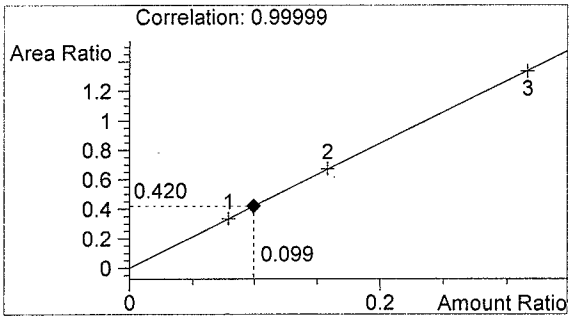
QA 05044 #2
Kari Gruendell

vial # 4

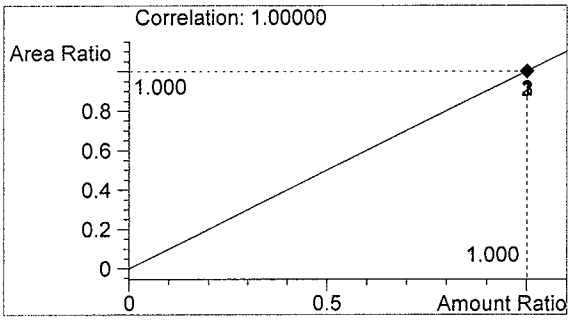


#	Compound	Area	RT
1	Ethanol	879	1.091
2	n-Propanol	2092	1.915

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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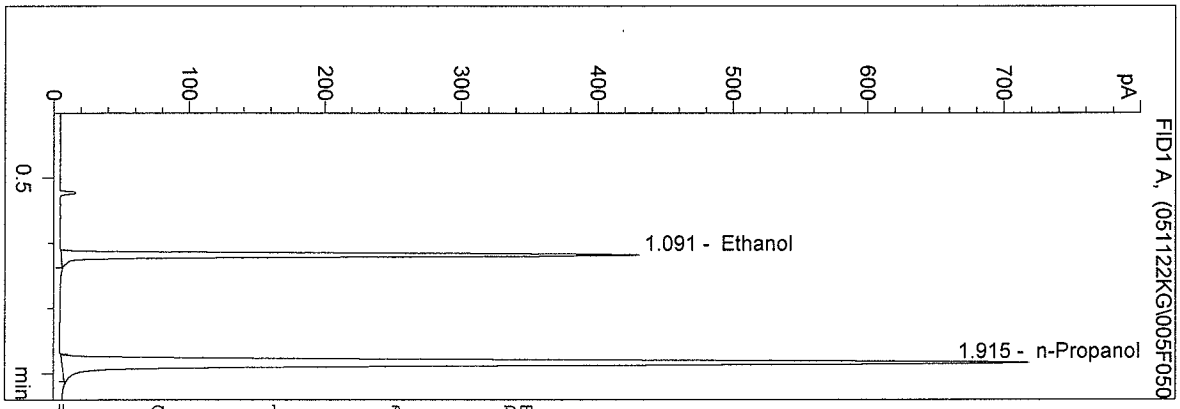
11/22/2005 7:08:27 AM
Instrument 5
DB-ALC2

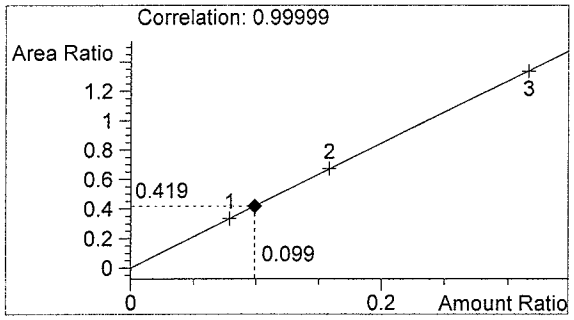
QA 05044 #3
Kari Gruendell

vial # 5

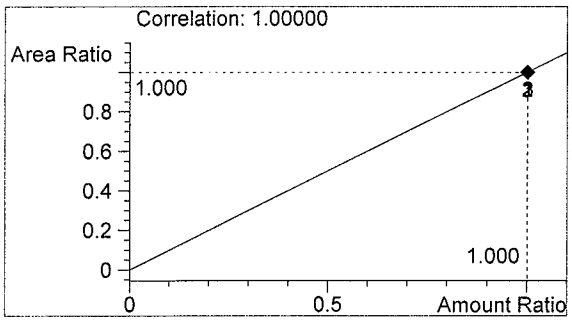


#	Compound	Area	RT
1	Ethanol	889	1.091
2	n-Propanol	2120	1.915

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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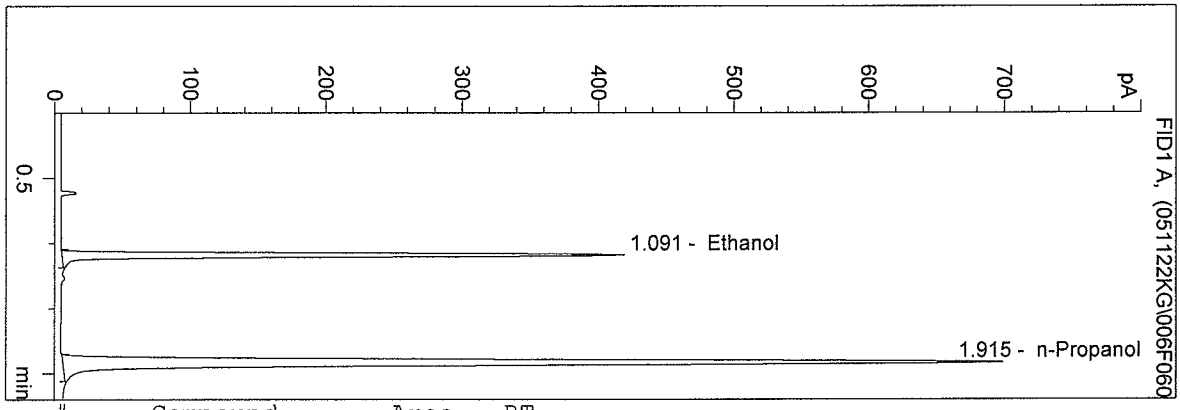
11/22/2005 7:11:37 AM
Instrument 5
DB-ALC2

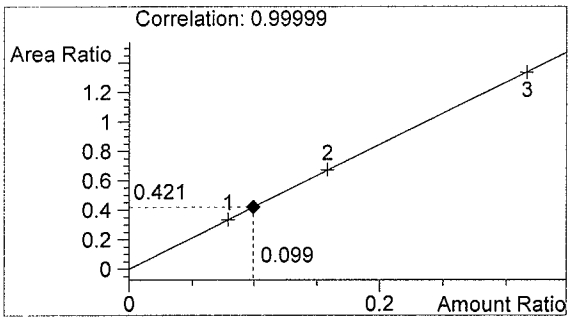
QA 05044 #4
Kari Gruendell

vial # 6

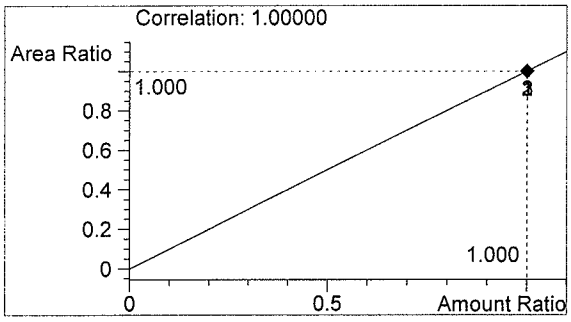


#	Compound	Area	RT
1	Ethanol	868	1.091
2	n-Propanol	2064	1.915

Totals:



Ethanol 0.099 g/100ml



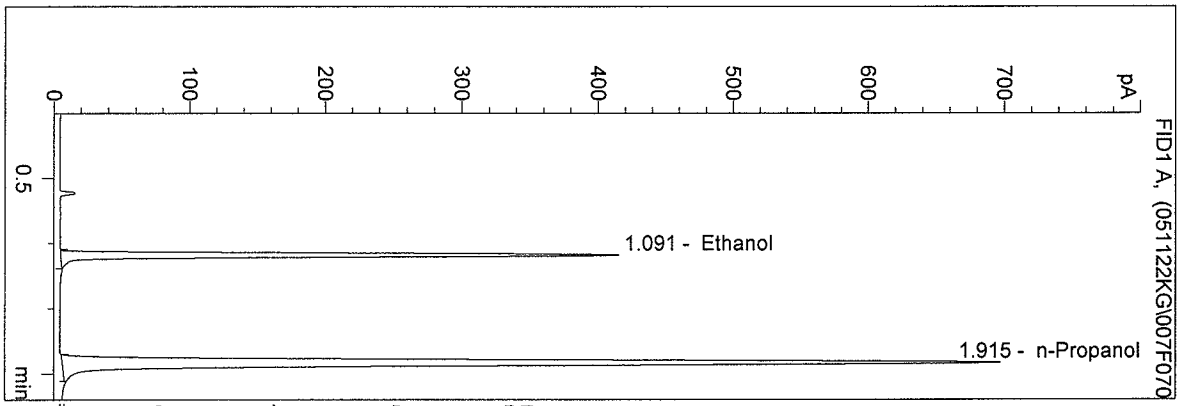
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/22/2005 7:17:15 AM
Instrument 5
DB-ALC2

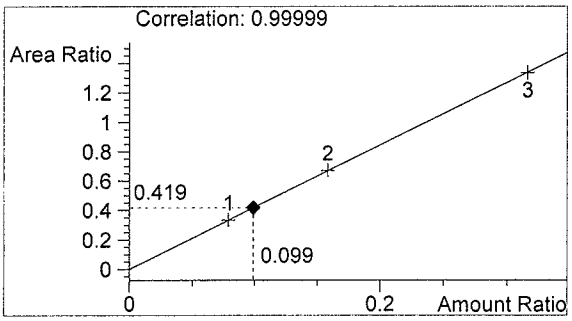
QA 05044 #5
Kari Gruendell

vial # 7

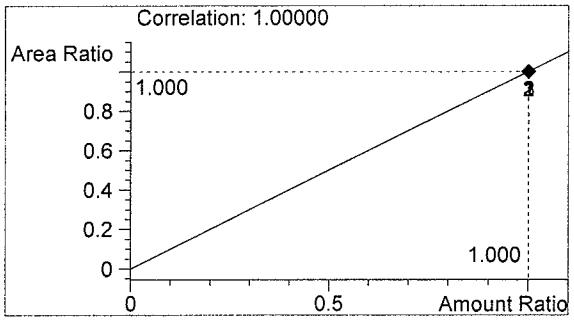


#	Compound	Area	RT
1	Ethanol	862	1.091
2	n-Propanol	2057	1.915

Totals:



Ethanol 0.099 g/100ml



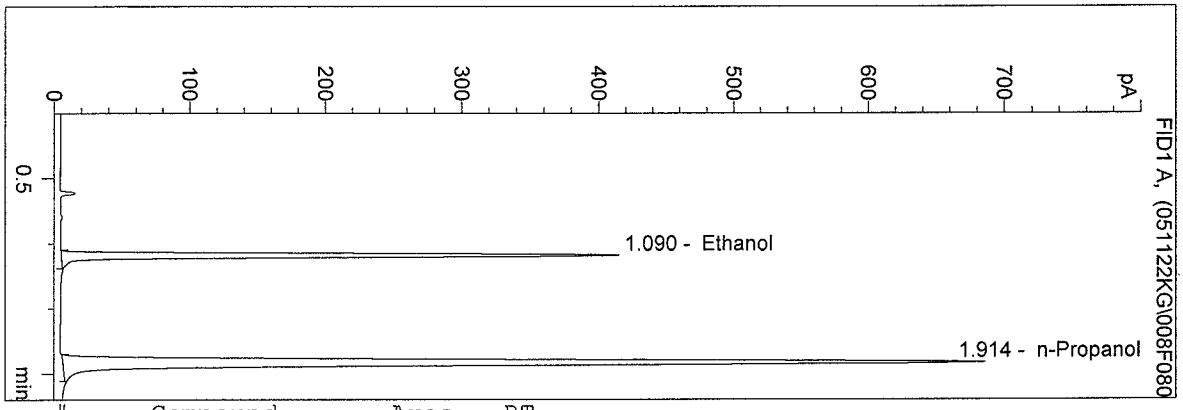
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/22/2005 7:20:28 AM
Instrument 5
DB-ALC2

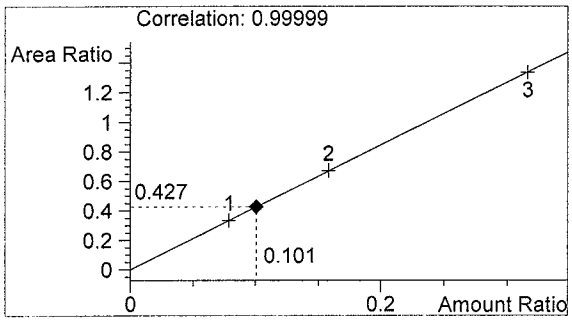
0.10 CONTROL KG
Kari Gruendell

vial # 8

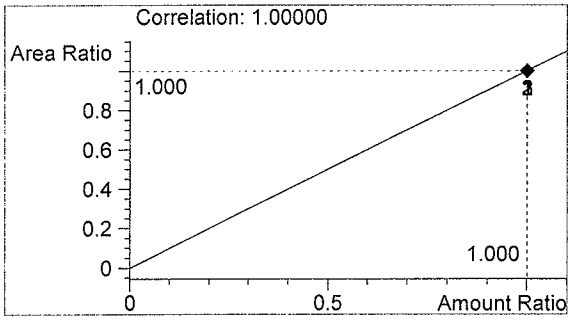


#	Compound	Area	RT
1	Ethanol	864	1.090
2	n-Propanol	2025	1.914

Totals:



Ethanol 0.101 g/100ml



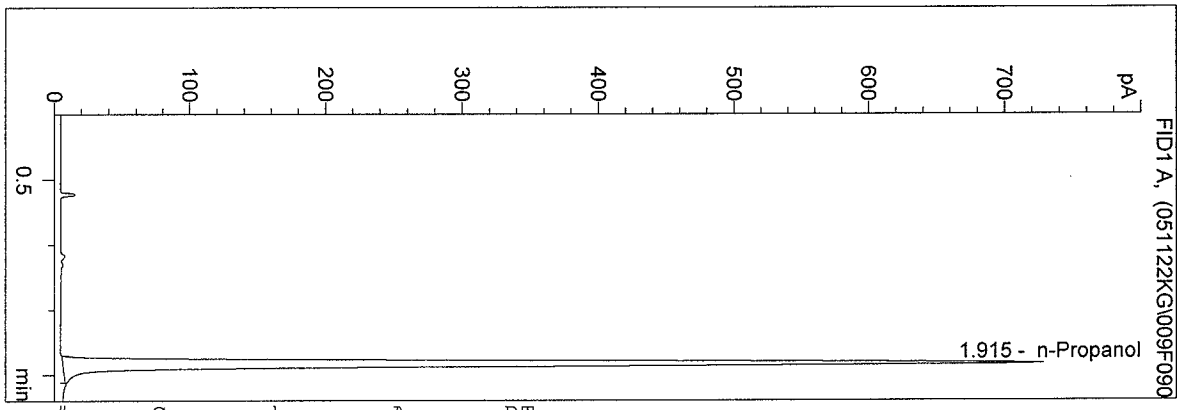
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
11/22/2005 7:23:45 AM
Instrument 5
DB-ALC2

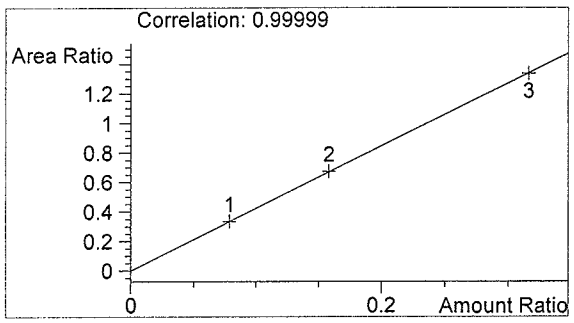
BLANK
Kari Gruendell

vial # 9

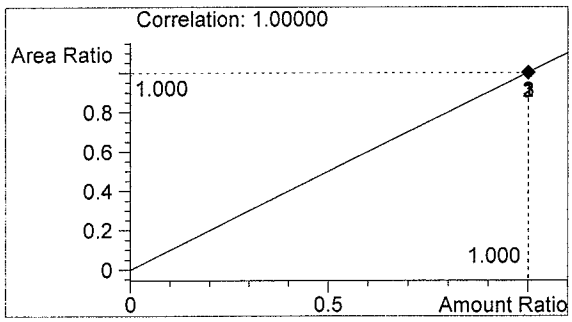


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	2152	1.915

Totals:



Ethanol 0.000 g/100ml



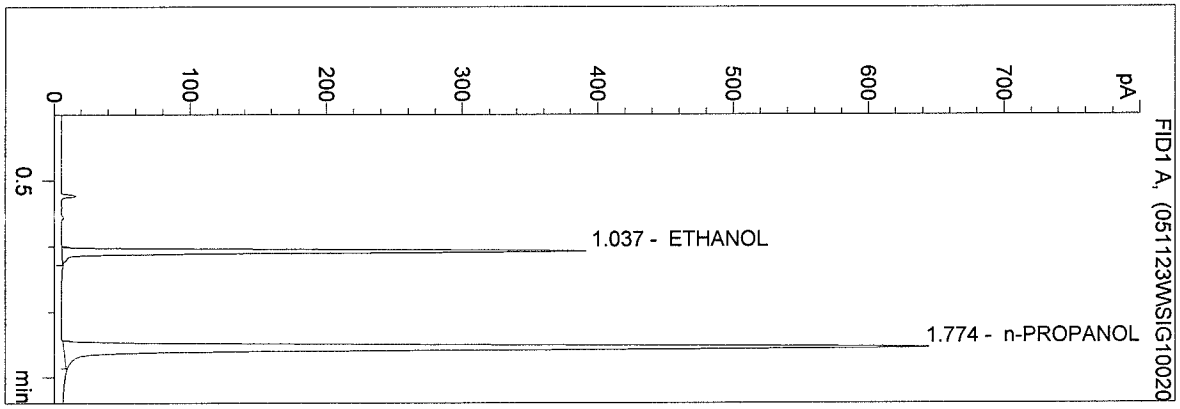
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/23/2005 10:34:30 AM
Instrument 3
db-alc2

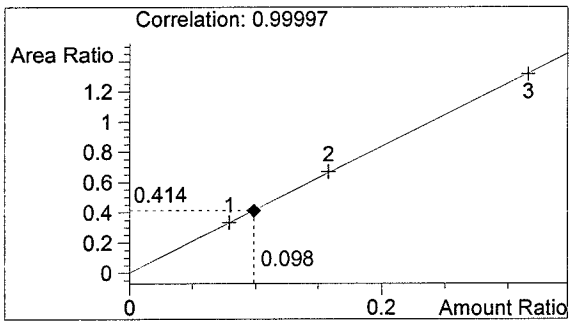
0.10 QC
WP MARSHALL

vial # 20

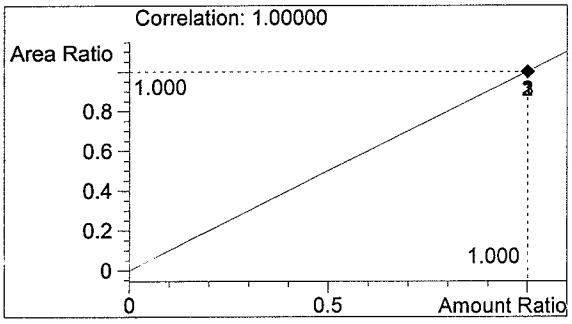


#	Compound	Area	RT
1	ETHANOL	709	1.037
2	n-PROPANOL	1712	1.774

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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11/23/2005 10:37:37 AM
Instrument 3
db-alc2

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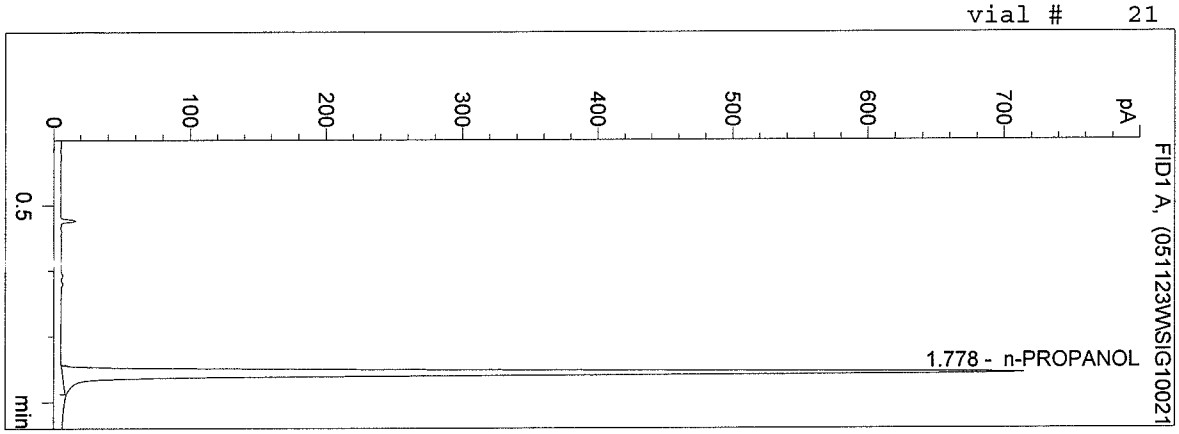
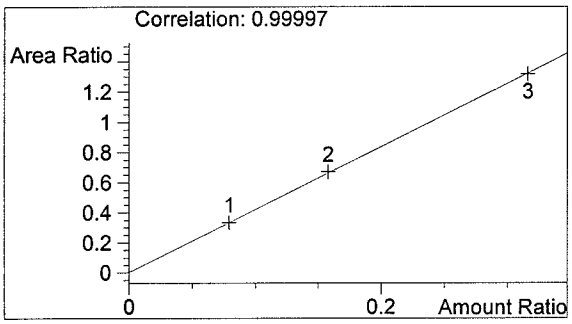
WP MARSHALL

vial # 21

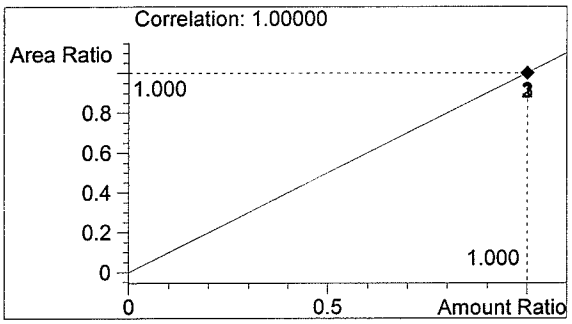


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1903	1.778

Totals:



ETHANOL 0.000 g/100ml



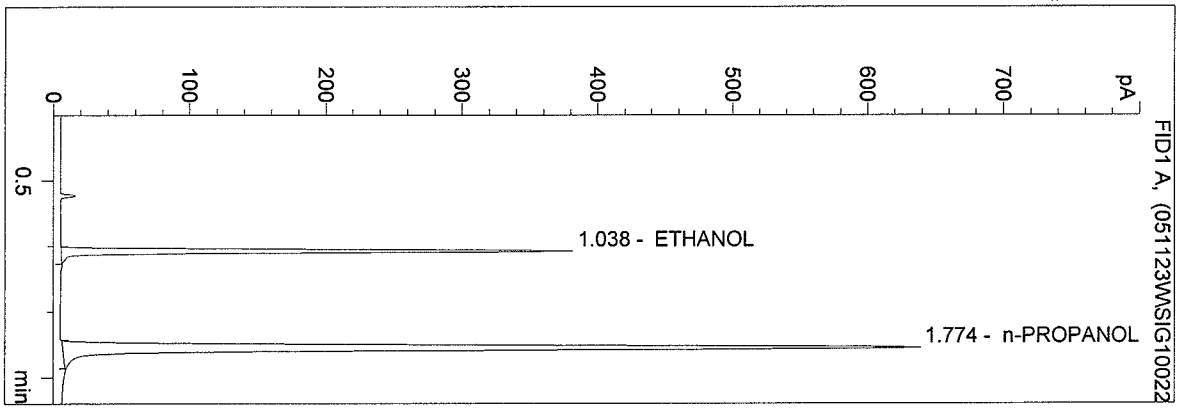
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/23/2005 10:40:44 AM
Instrument 3
db-alc2

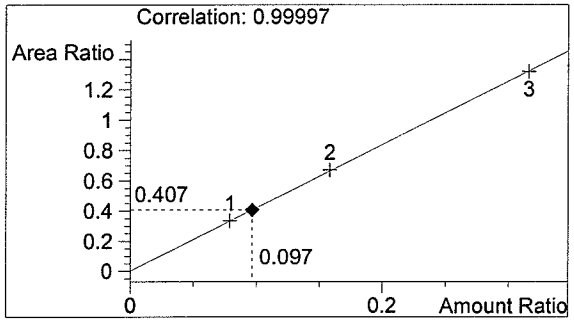
QA 05044
WP MARSHALL

vial # 22

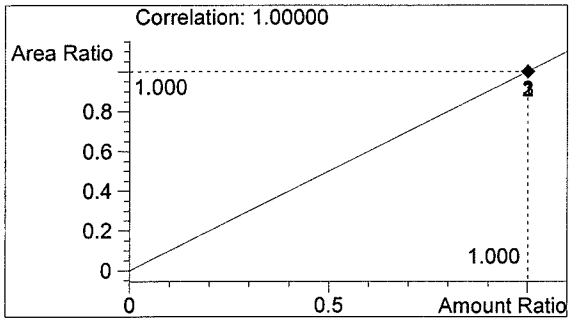


#	Compound	Area	RT
1	ETHANOL	691	1.038
2	n-PROPANOL	1700	1.774

Totals:



ETHANOL 0.097 g/100ml



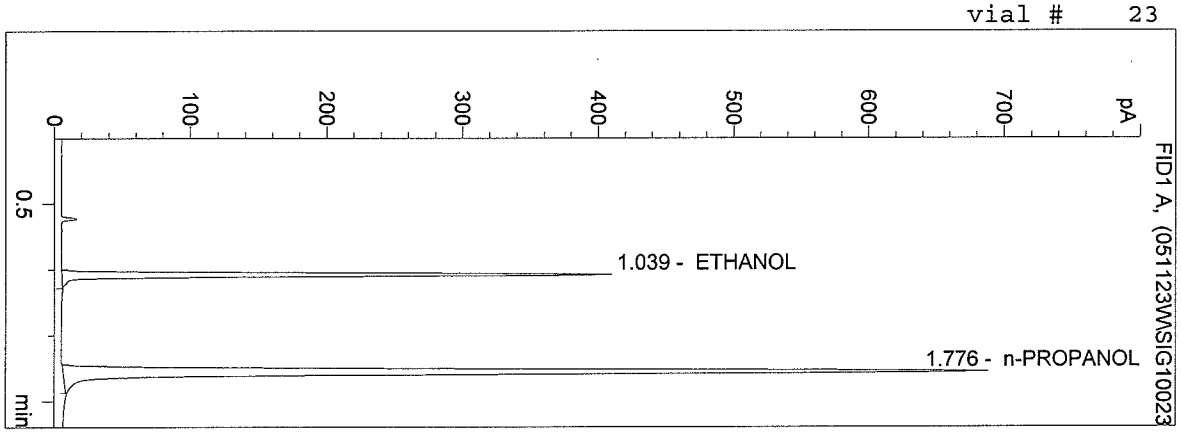
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/23/2005 10:43:51 AM
Instrument 3
db-alc2

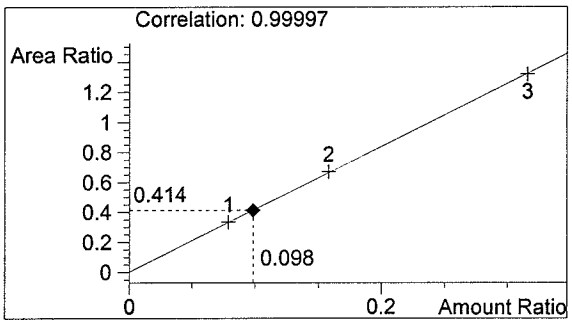
QA 05044
WP MARSHALL

vial # 23

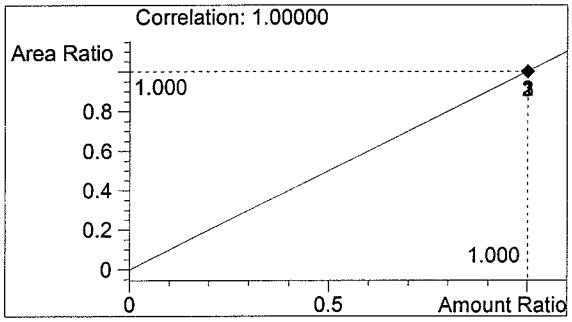


#	Compound	Area	RT
1	ETHANOL	759	1.039
2	n-PROPANOL	1832	1.776

Totals:



ETHANOL 0.098 g/100ml



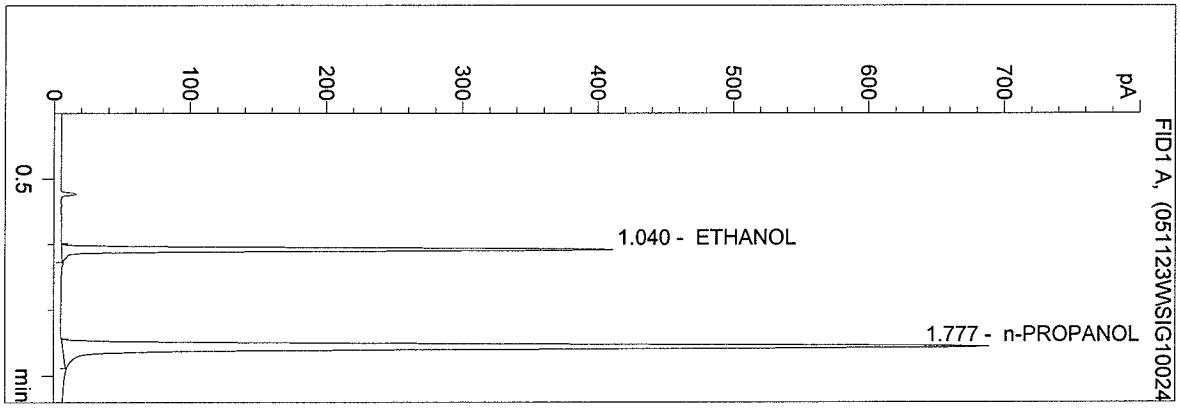
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
11/23/2005 10:46:59 AM
Instrument 3
db-alc2

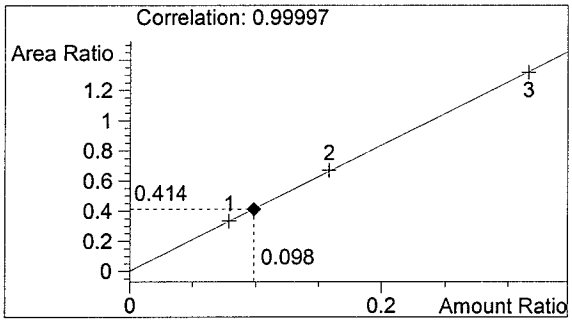
QA 05044
WP MARSHALL

vial # 24

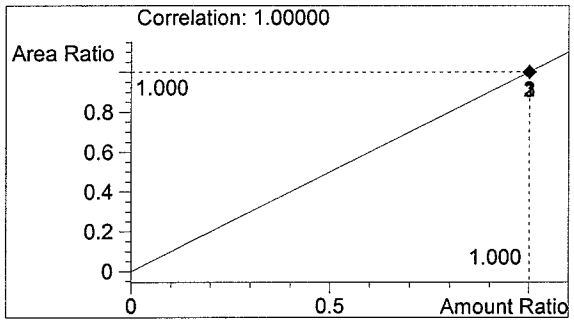


#	Compound	Area	RT
1	ETHANOL	761	1.040
2	n-PROPANOL	1837	1.777

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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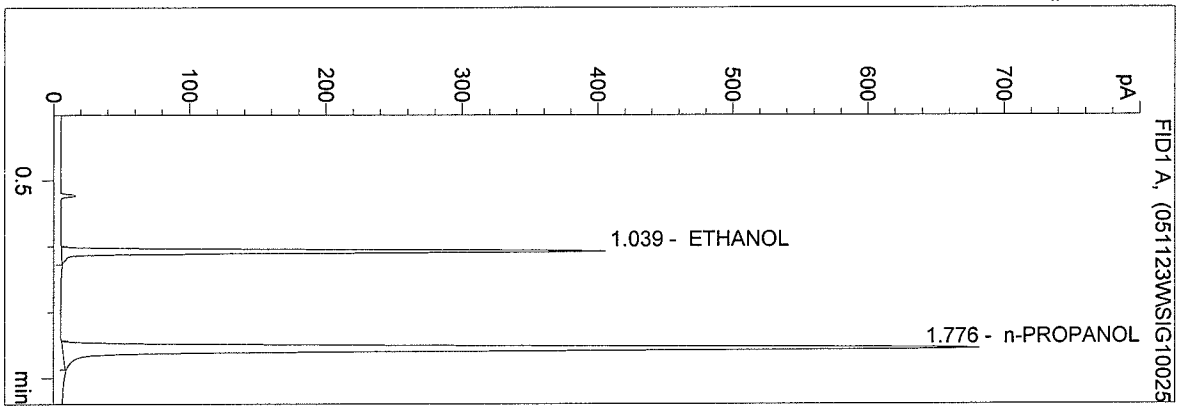
11/23/2005 10:50:06 AM
Instrument 3
db-alc2

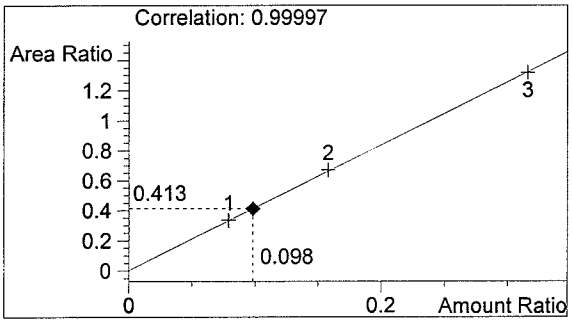
QA 05044
WP MARSHALL

vial # 25

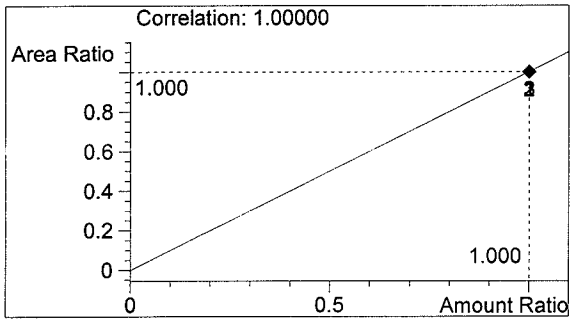


#	Compound	Area	RT
1	ETHANOL	749	1.039
2	n-PROPANOL	1814	1.776

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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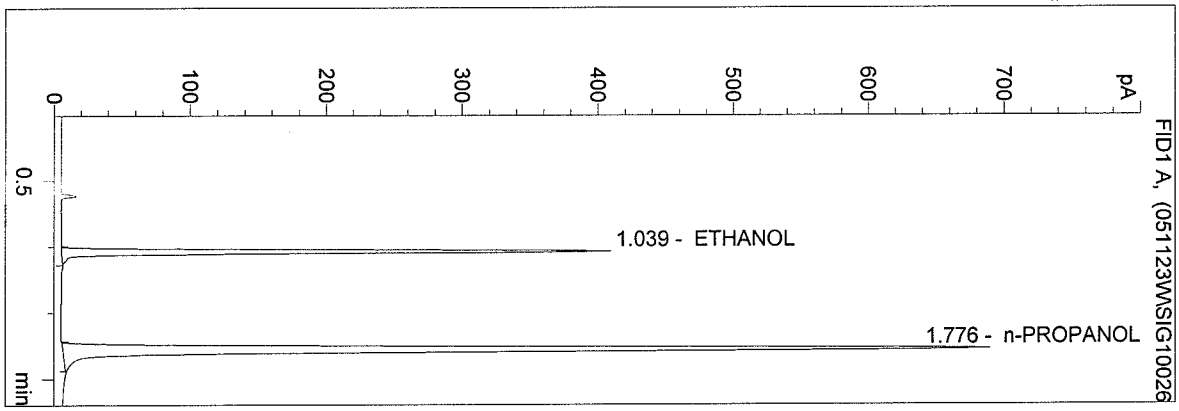
Instrument 3
db-alc2

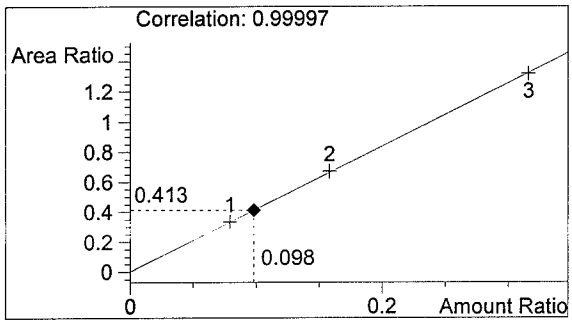
QA 05044
WP MARSHALL

vial # 26

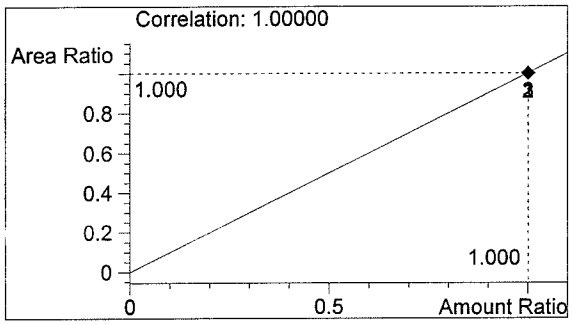


#	Compound	Area	RT
1	ETHANOL	757	1.039
2	n-PROPANOL	1835	1.776

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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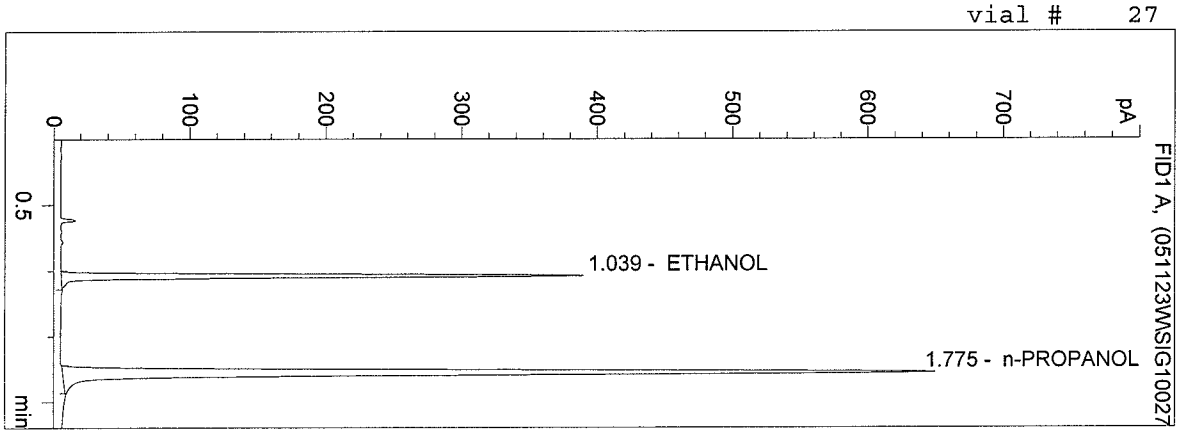
Instrument 3
db-alc2

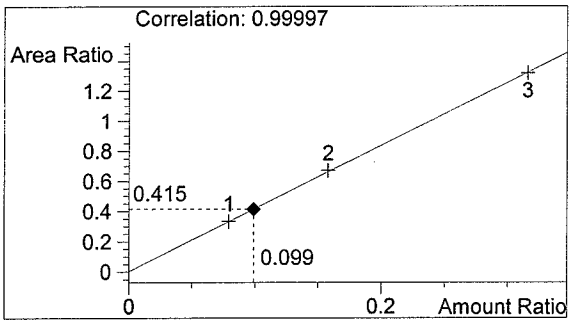
0.10 QC
WP MARSHALL

vial # 27

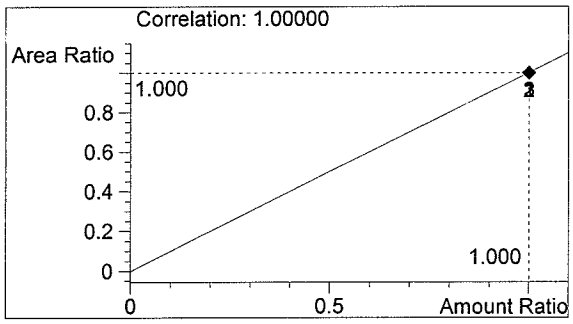


#	Compound	Area	RT
1	ETHANOL	718	1.039
2	n-PROPANOL	1730	1.775

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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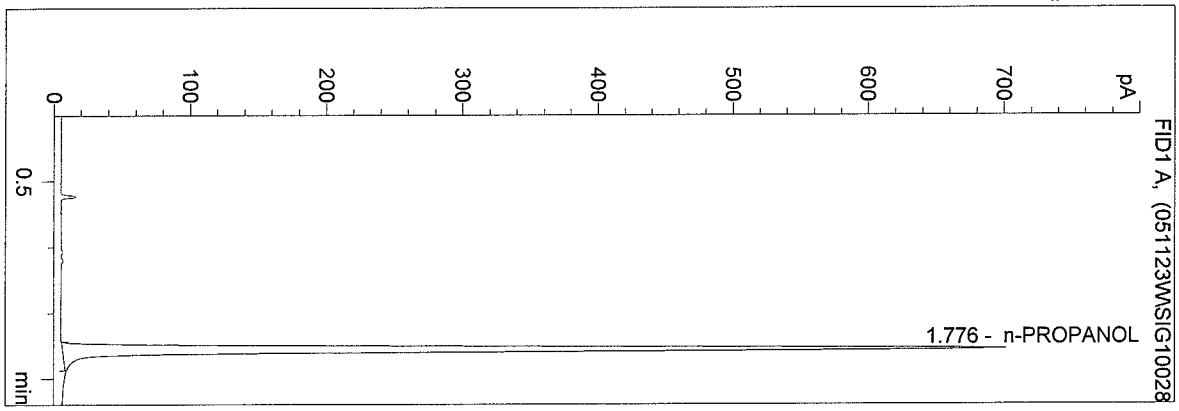
11/23/2005 10:59:27 AM
Instrument 3
db-alc2

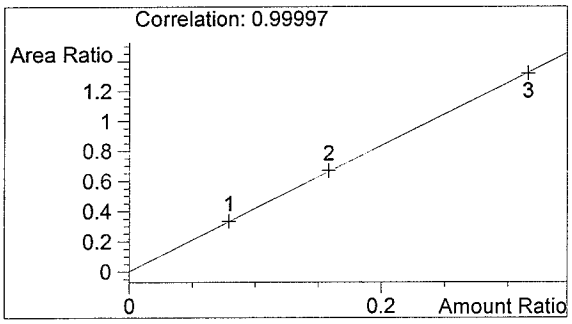
BLANK
WP MARSHALL

vial # 28

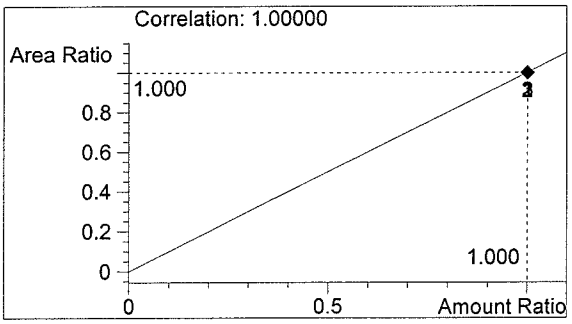


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1867	1.776

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml