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

SOLUTION CERTIFICATION DATABASE

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

Batch number **07058** Date prepared: 10/26/2007

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	Anal 13	Anal14	Anal 15	Anal 16
1	0.128	0.128	0.125													
2	0.128	0.130	0.126													
3	0.129	0.130	0.126													
4	0.128	0.129	0.127													
5	0.128	0.130	0.127													
Ctrl	0.099	0.100	0.099													

Statistics:

Avg. solution concent.: 0.1279 g/100 mL

SD: 0.00153

Precision CV (%): 1.1992 %

External Control:

Lot #: A050528 Exp date: MM 07 / YYYY 2011

Target concentration: 0.10 g/100mL

Equivalent vapor concent.: 0.1040 g/210L

Analyst	Name	Signature	Date Tested
1	Christie Mitchell	Christie Mitchell	10/26/2007
2	Brianna Peterson	Brianna Peterson	10/29/2007
3	Amanda Black	Amanda Black	10/29/2007
4			
5			
6			
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11			
12			
13			
14			
15			
16			

Prepared by: Christie Mitchell according to the approved protocol. Final review by: MP

ver 11/14/2007

Batch Worksheet Check Off

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

Please initial below to affirm that you have:

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

	Initials	Date
Brianne Akins		
Brittany Ball		
Amanda Black	AB	10-30-07
Brian Capron		
Rebecca Flaherty		
Ed Formoso		
Christopher Johnston		
Justin Knoy		
Asa Louis		
Estuardo Miranda		
Christie Mitchell	CM	10/30/07
Lisa Noble		
Naziha Nuwayhid		
Melissa Pemberton		
Brianna Peterson	BP	10.30.07
Sarah Swenson		

WASHINGTON STATE TOXICOLOGY LABORATORY
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/ s: KEN DEATON / ROD GULLBERG Date: 11-19-2007

Location: TOX LAB SEATTLE Solution Batch Number: 07058

	YES	NO	
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:	☐	☐	NA
Equivalent vapor concentration correct?	☒	☐	
External Control information correct: (lot # and future date)	☒	☐	
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	
Corrections Necessary/ Comments	☐	☒	

Reviewer Signature: R J Gullberg Date: 11-19-2007

Reviewer Signature: K-L T Date: 11/19/2007

Rev. Date: 10/31/2007

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION FOR LOT 07058

I, Christie Mitchell, do certify under penalty of perjury that:

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

I possess the following qualifications: BA degree in Chemistry and MFS degree in Forensic Science.

The quality assurance solution, Lot Number 07058, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/26/2008.

Seattle, WA

Christie Mitchell 11/15/07
Christie Mitchell Date
Forensic Toxicologist

CM/ms
CMQA

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION FOR LOT 07058

I, Brianna Peterson, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry, MS degree in Forensic Science, Ph.D. degree in Toxicology, and two years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07058, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/26/2008.

Seattle, WA

Brianna Peterson 11/15/07
Brianna Peterson Date
Forensic Toxicologist

BP/ms
BPQA

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION CERTIFICATION FOR LOT 07058

I, Amanda Black, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degrees in Chemistry and Veterinary Science.

The quality assurance solution, Lot Number 07058, was prepared in the Washington State Toxicology Laboratory on 10/26/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of quality assurance solution. It should not be used for evidential breath tests after 10/26/2008.

Seattle, WA

11-16-07

Amanda Black Date
Forensic Toxicologist

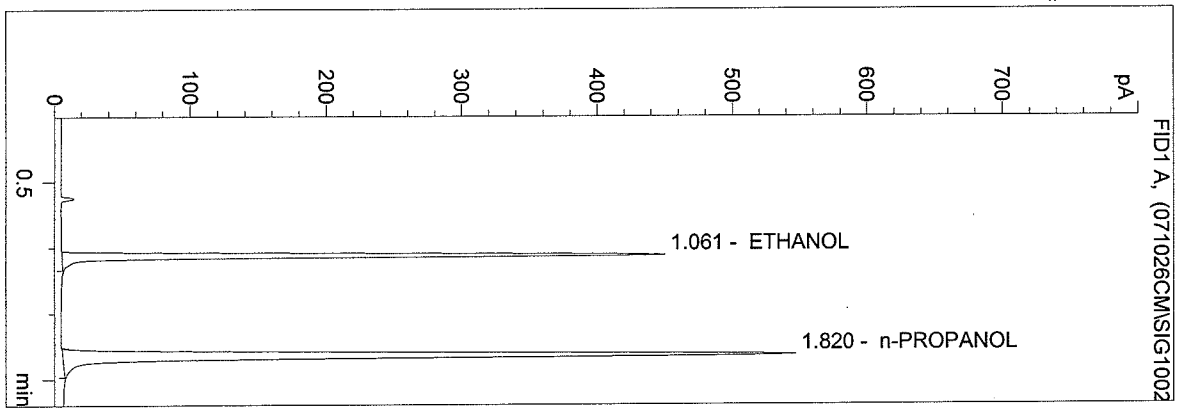
AB/ms
ABQA

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/26/2007 2:18:48 PM
Instrument 3
db-alc2

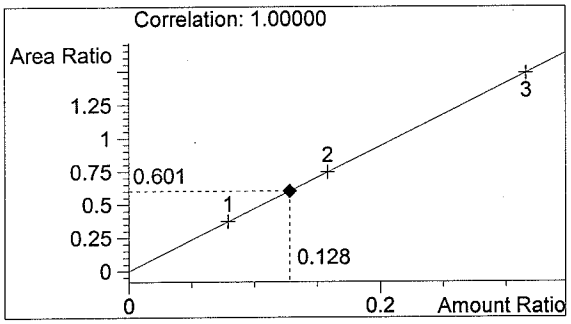
QA 07058-1
Christie Mitchell

vial # 25

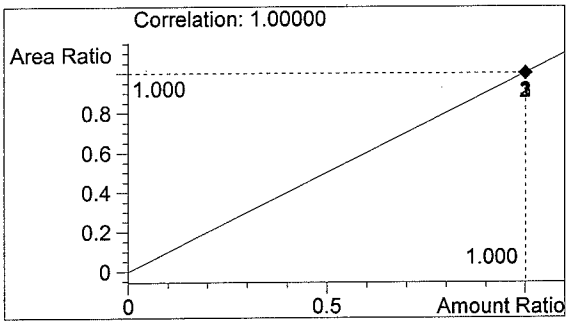


#	Compound	Area	RT
1	ETHANOL	913	1.061
2	n-PROPANOL	1518	1.820

Totals:



ETHANOL 0.128 g/100ml



n-PROPANOL 1.000 g/100ml

CM
10/30/07

Calibration and controls in QA07056

CM
10/26/07

WASHINGTON STATE TOXICOLOGY LABORATORY

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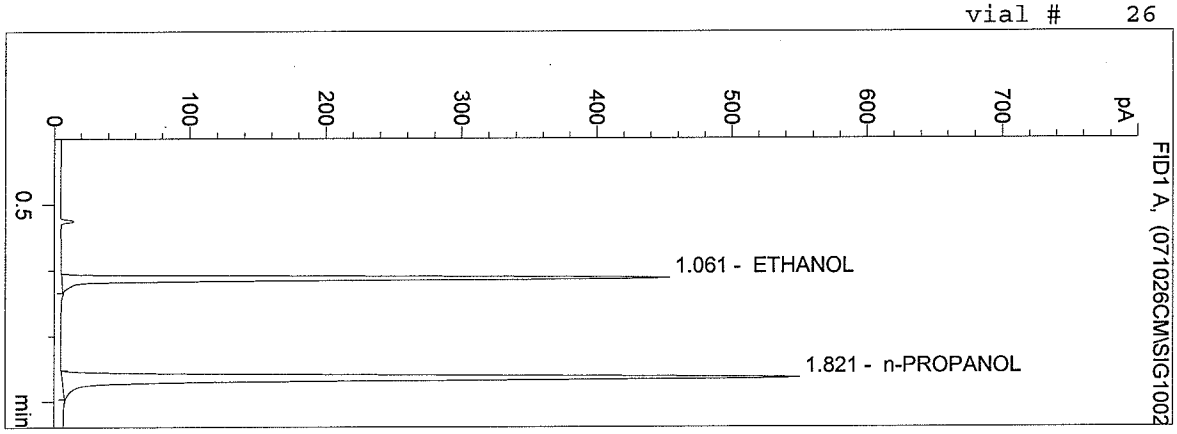
Instrument 3
db-alc2

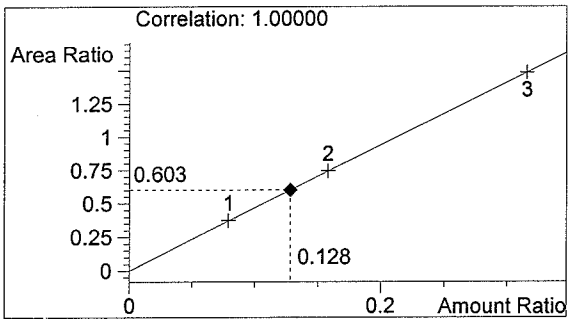
QA 07058-2
Christie Mitchell

vial # 26

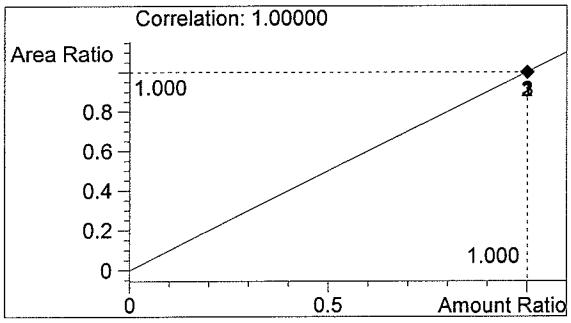


#	Compound	Area	RT
1	ETHANOL	922	1.061
2	n-PROPANOL	1530	1.821

Totals:



ETHANOL 0.128 g/100ml



n-PROPANOL 1.000 g/100ml

CM
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

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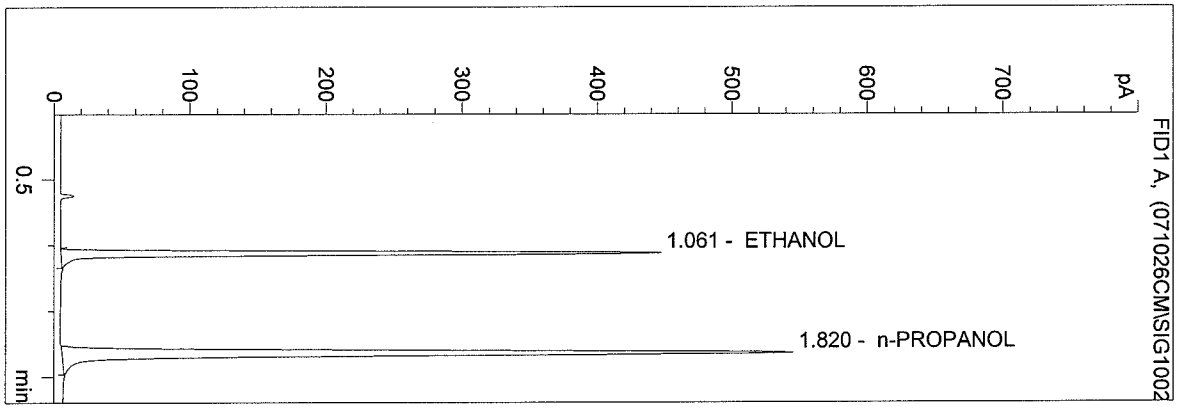
10/26/2007 2:25:03 PM
Instrument 3
db-alc2

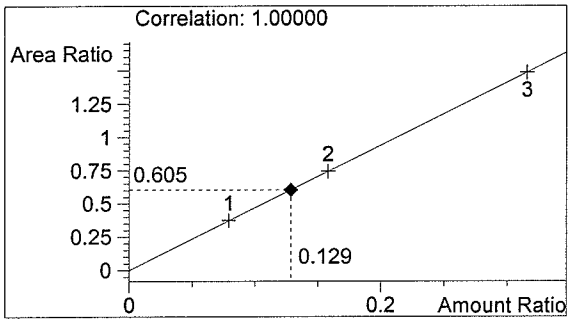
QA 07058-3
Christie Mitchell

vial # 27

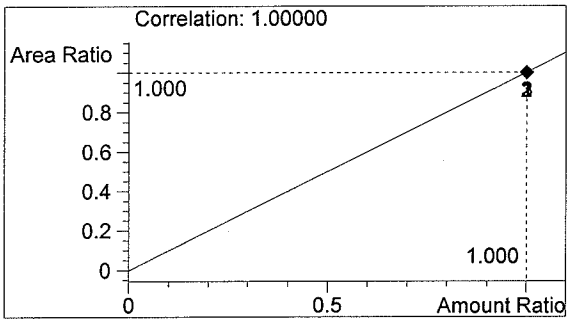


#	Compound	Area	RT
1	ETHANOL	916	1.061
2	n-PROPANOL	1514	1.820

Totals:



ETHANOL 0.129 g/100ml



n-PROPANOL 1.000 g/100ml

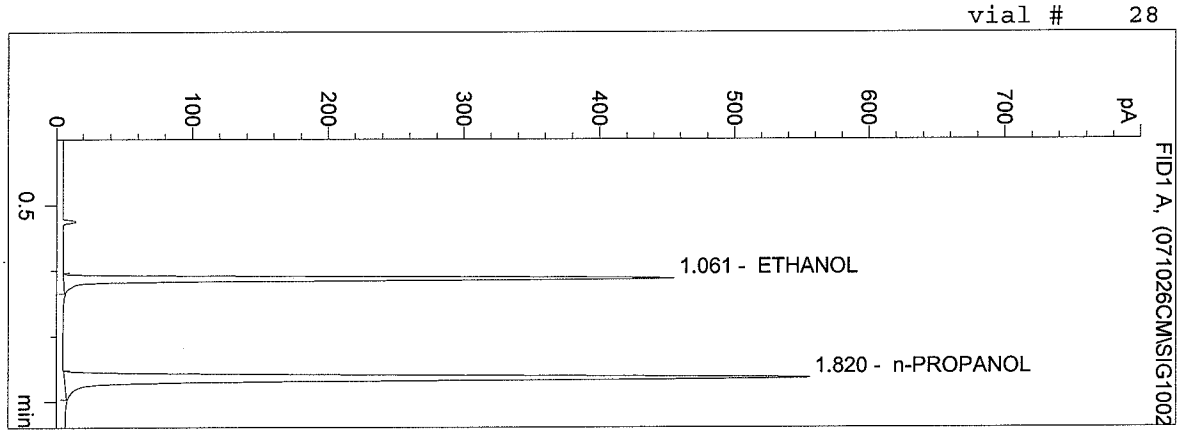
C.M
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/26/2007 2:28:10 PM
Instrument 3
db-alc2

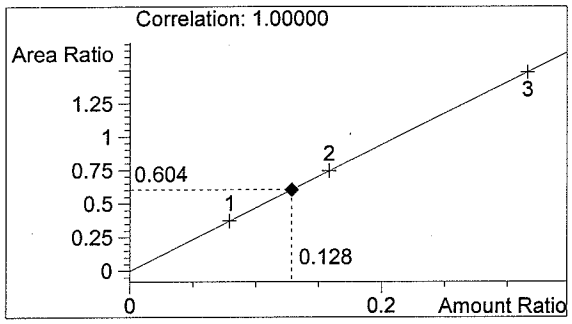
QA 07058-4
Christie Mitchell

vial # 28

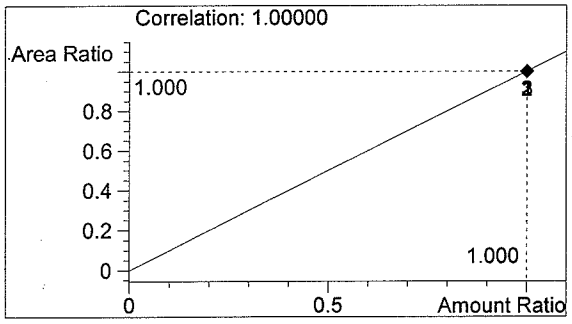


#	Compound	Area	RT
1	ETHANOL	933	1.061
2	n-PROPANOL	1544	1.820

Totals:



ETHANOL 0.128 g/100ml



n-PROPANOL 1.000 g/100ml

CM
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

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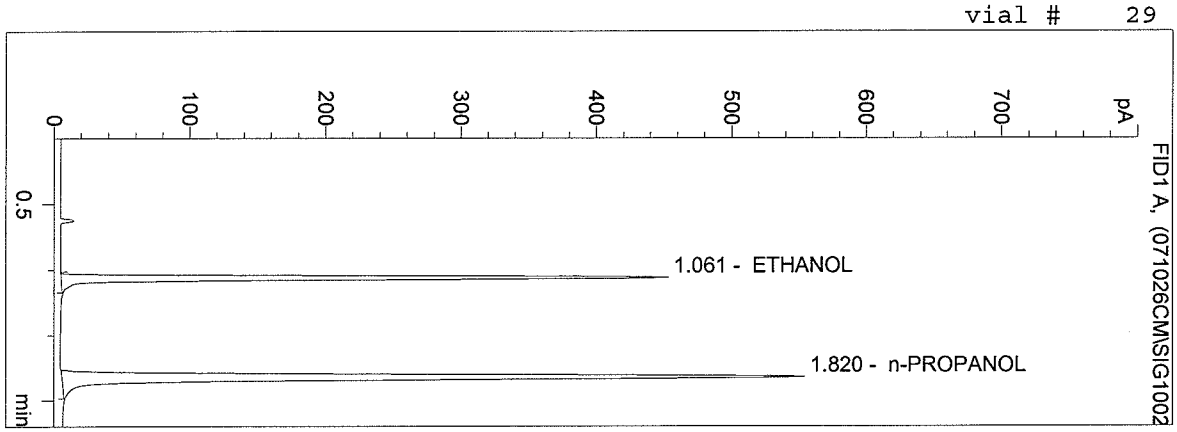
10/26/2007 2:31:17 PM
Instrument 3
db-alc2

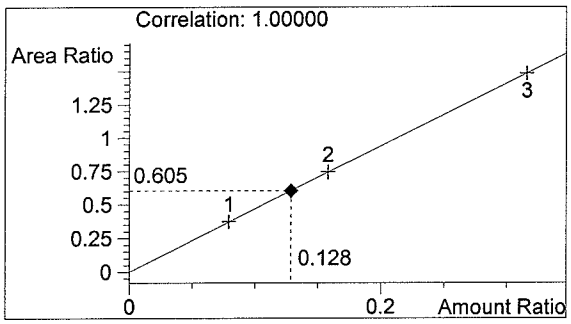
07058-5
QA ~~07059-5~~ CM
Christie Mitchell 10/29/07

vial # 29

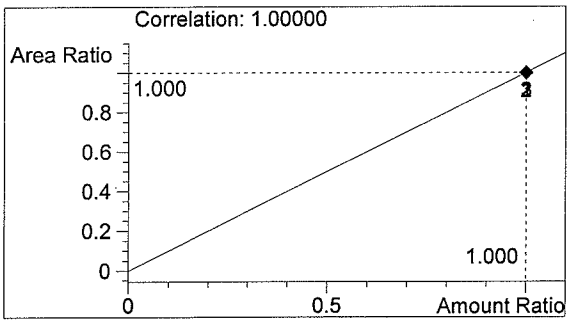


#	Compound	Area	RT
1	ETHANOL	933	1.061
2	n-PROPANOL	1544	1.820

Totals:



ETHANOL 0.128 g/100ml



n-PROPANOL 1.000 g/100ml

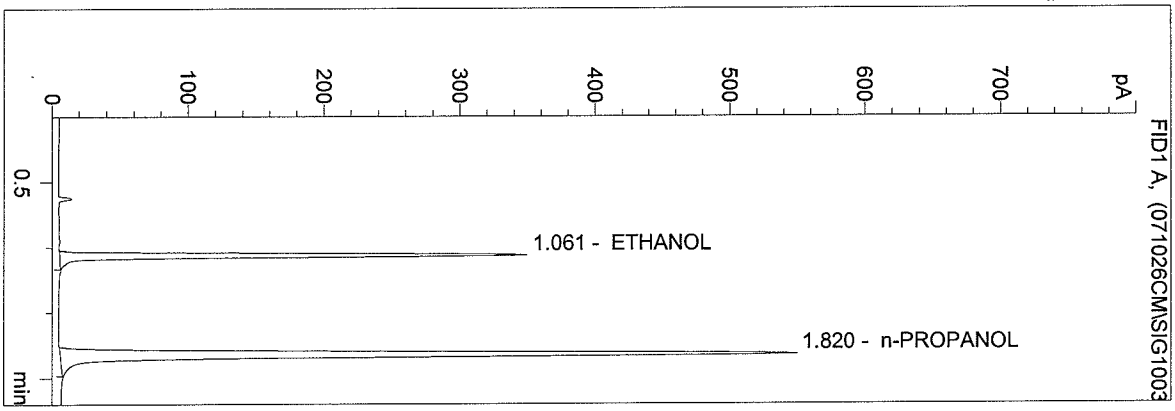
CM
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\BLDALCO3.M
10/26/2007 2:34:24 PM
Instrument 3
db-alc2

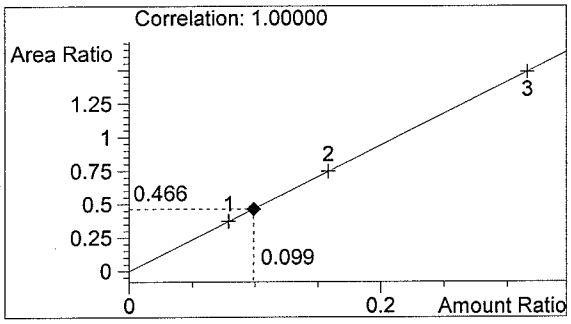
0.10 CONTROL-CM
Christie Mitchell

vial # 30

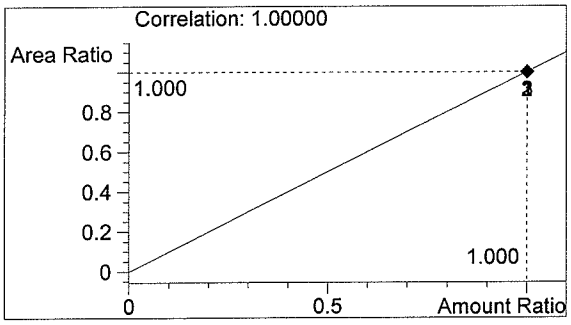


#	Compound	Area	RT
1	ETHANOL	710	1.061
2	n-PROPANOL	1524	1.820

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

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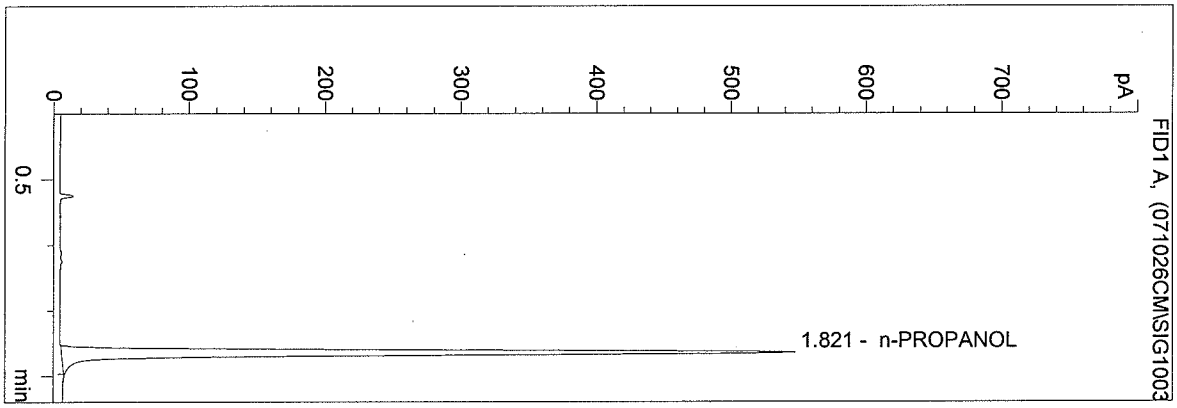
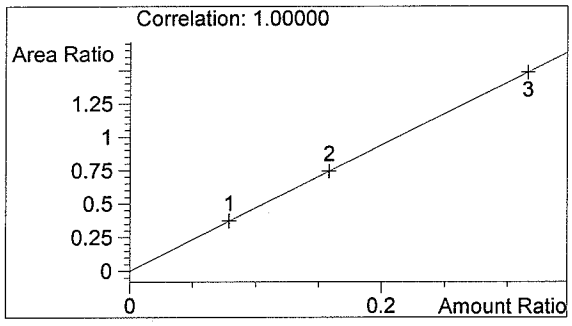
10/26/2007 2:37:31 PM
Instrument 3
db-alc2

BLANK
Christie Mitchell

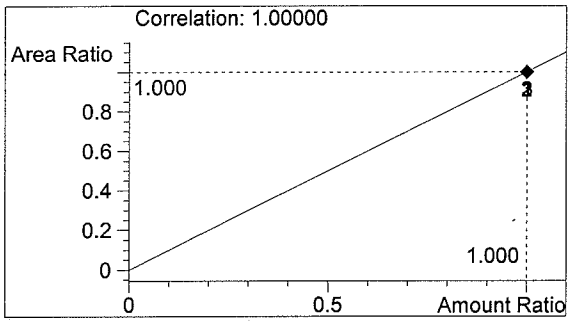
vial # 31



#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1525	1.821
Totals:			



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM
10/30/07

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
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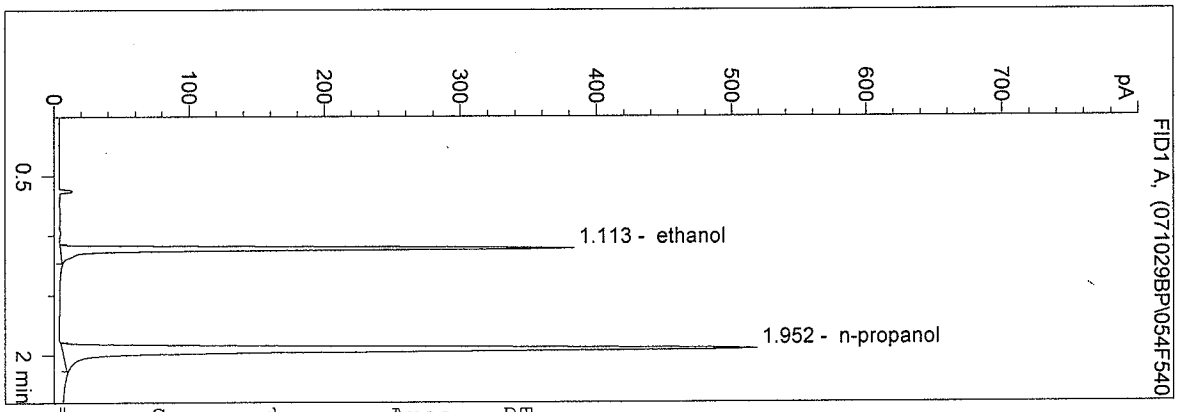
Instrument 5
DB-ALC2

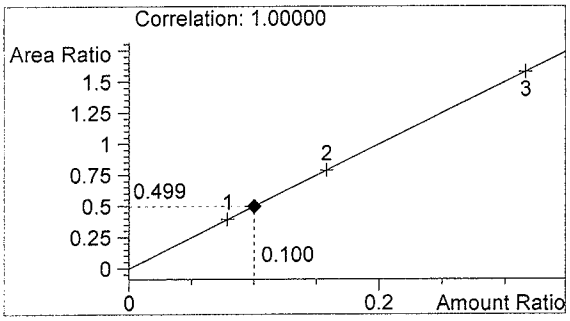
0.10 CTRL BP
BRIANNA PETERSON

vial # 54

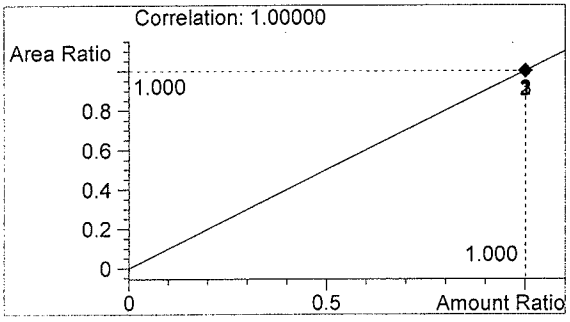


#	Compound	Area	RT
1	ethanol	770	1.113
2	n-propanol	1545	1.952

Totals:



ethanol 0.100 g/100ml



n-propanol 1.000 g/100ml

BP
10.30.07

CALIBRATION DATA WITH
0708356
BP

WASHINGTON STATE TOXICOLOGY LABORATORY

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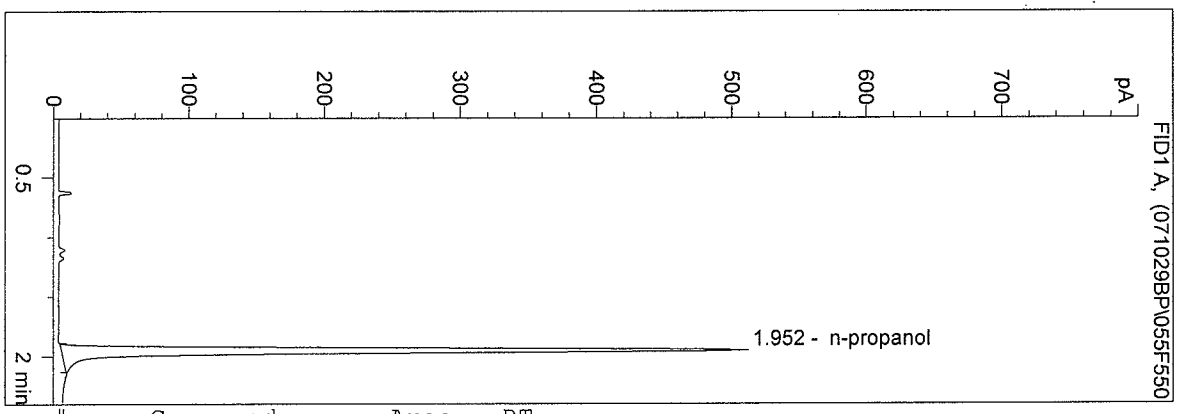
10/29/2007 3:54:24 PM
Instrument 5
DB-ALC2

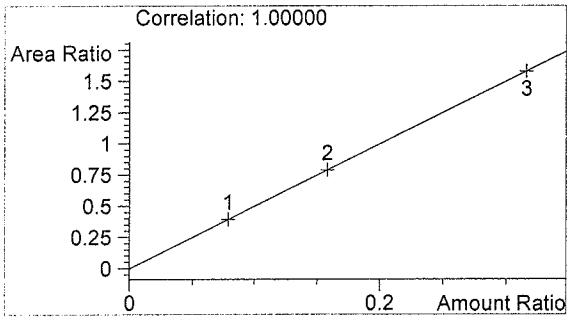
BLANK
BRIANNA PETERSON

vial # 55

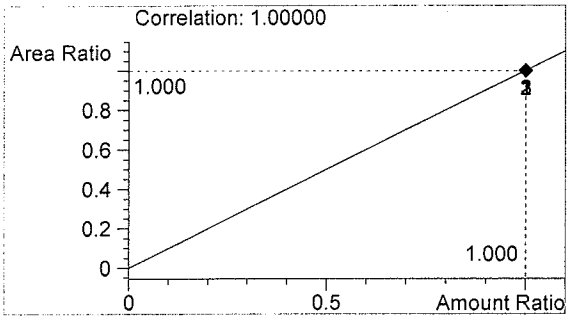


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1516	1.952

Totals:



ethanol 0.000 g/100ml



n-propanol 1.000 g/100ml

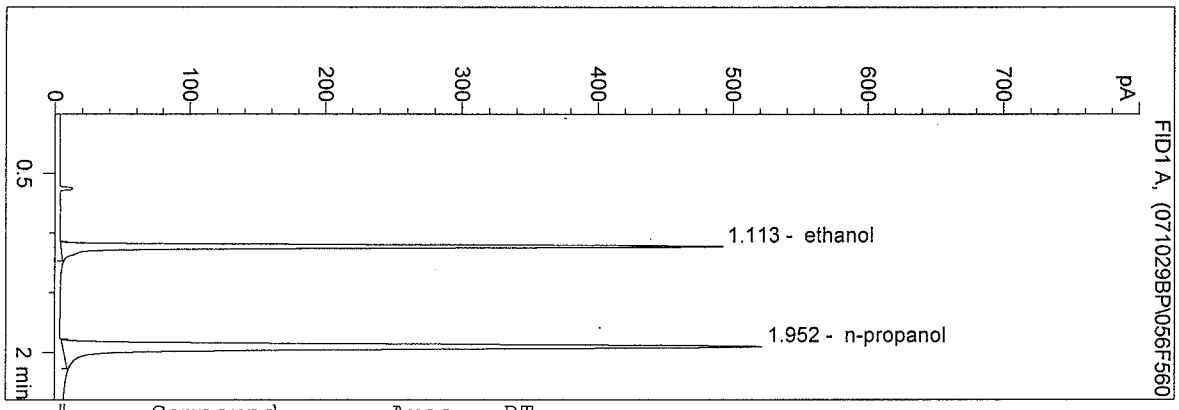
BP
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
10/29/2007 3:59:01 PM
Instrument 5
DB-ALC2

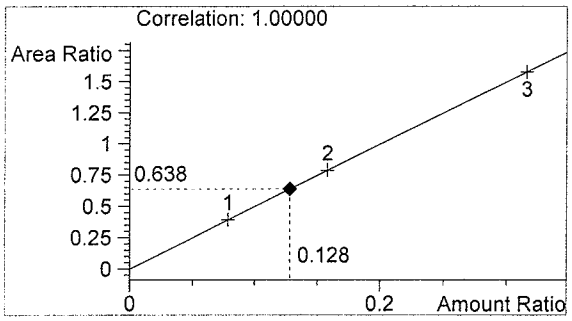
QA 07058-1
BRIANNA PETERSON

vial # 56

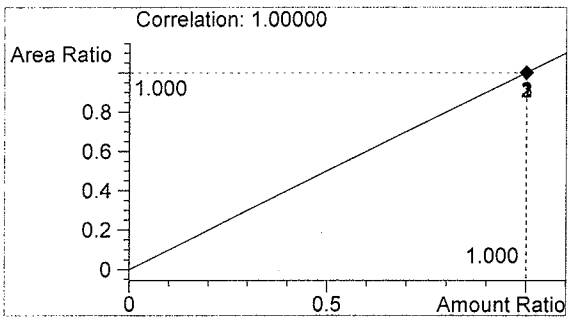


#	Compound	Area	RT
1	ethanol	990	1.113
2	n-propanol	1551	1.952

Totals:



ethanol 0.128 g/100ml



n-propanol 1.000 g/100ml

BP
10-30-07

WASHINGTON STATE TOXICOLOGY LABORATORY

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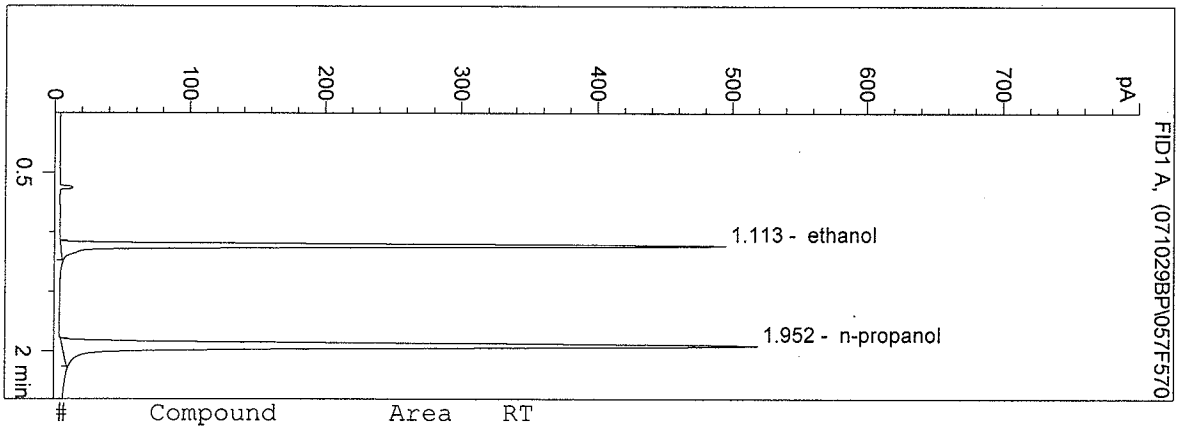
10/29/2007 4:02:54 PM
Instrument 5
DB-ALC2

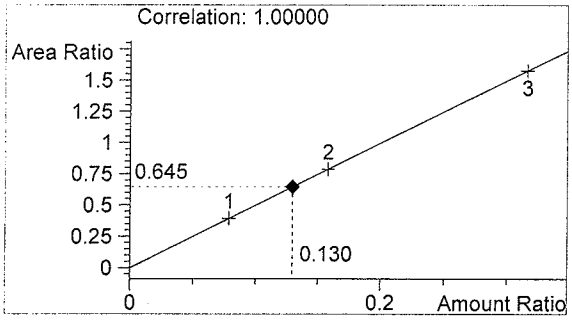
QA 07058-2
BRIANNA PETERSON

vial # 57

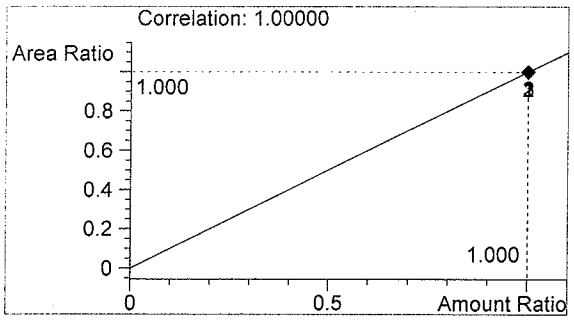


#	Compound	Area	RT
1	ethanol	994	1.113
2	n-propanol	1541	1.952

Totals:



ethanol 0.130 g/100ml



n-propanol 1.000 g/100ml

BP
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

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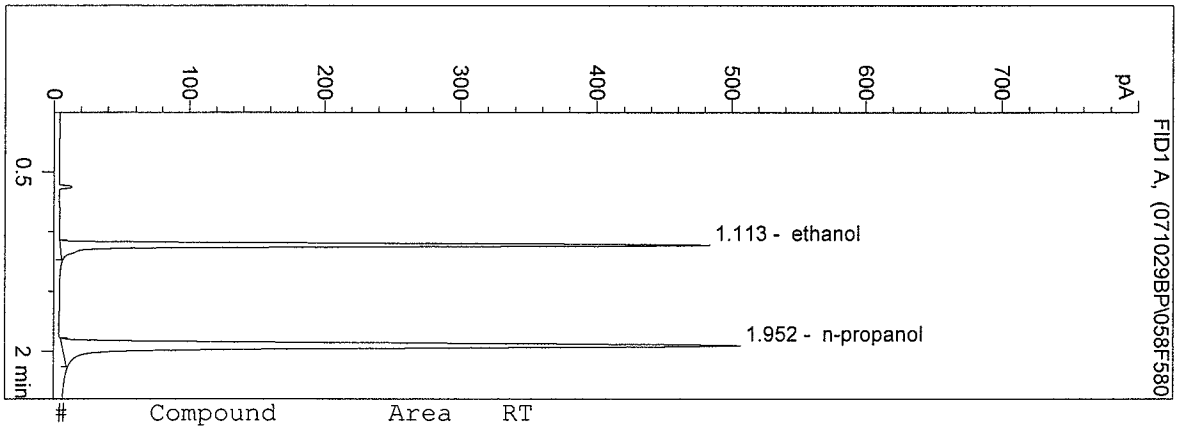
10/29/2007 4:06:29 PM
Instrument 5
DB-ALC2

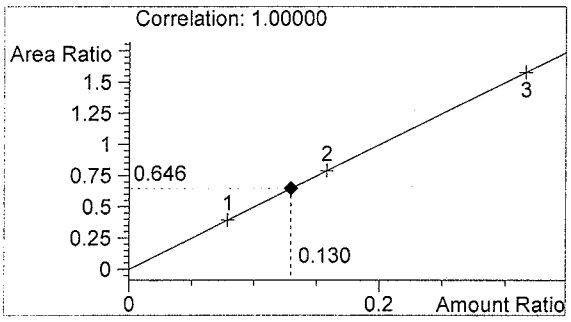
QA 07058-3
BRIANNA PETERSON

vial # 58

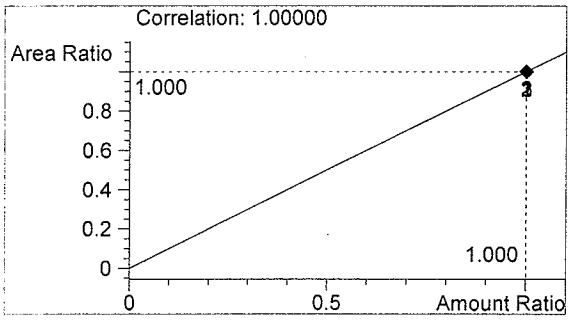


#	Compound	Area	RT
1	ethanol	970	1.113
2	n-propanol	1503	1.952

Totals:



ethanol 0.130 g/100ml



n-propanol 1.000 g/100ml

BP
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

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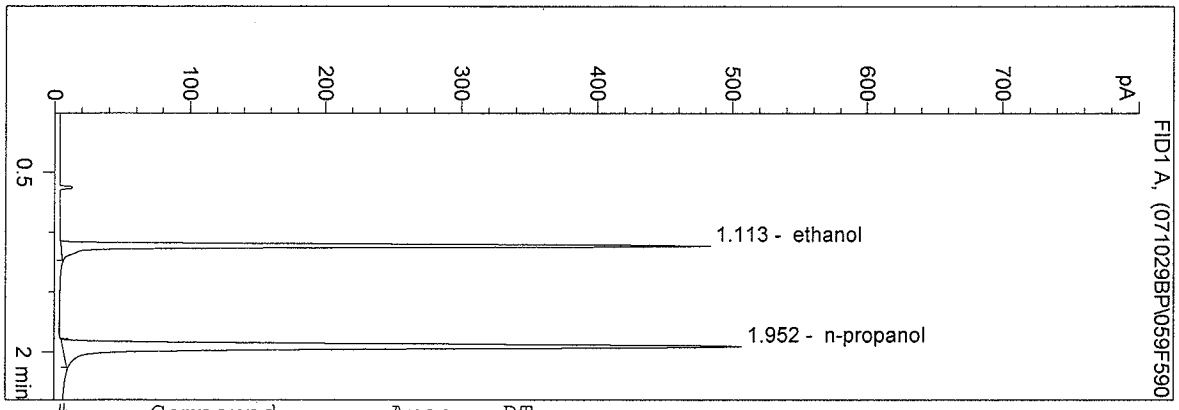
10/29/2007 4:11:01 PM
Instrument 5
DB-ALC2

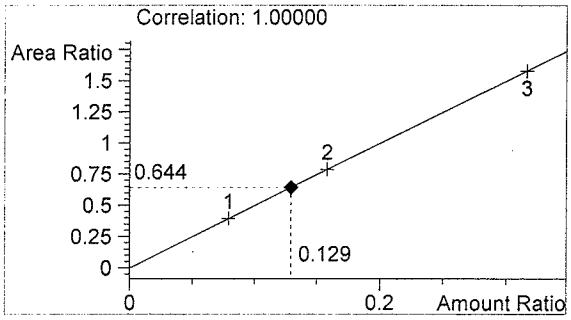
QA 07058-4
BRIANNA PETERSON

vial # 59

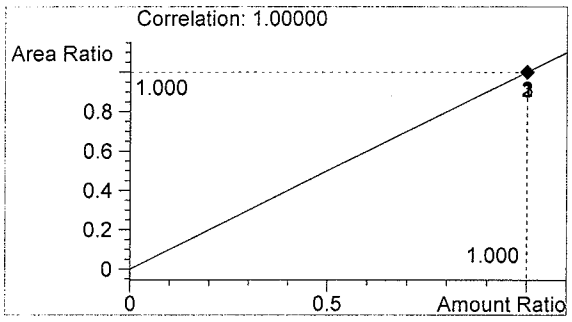


#	Compound	Area	RT
1	ethanol	968	1.113
2	n-propanol	1504	1.952

Totals:



ethanol 0.129 g/100ml



n-propanol 1.000 g/100ml

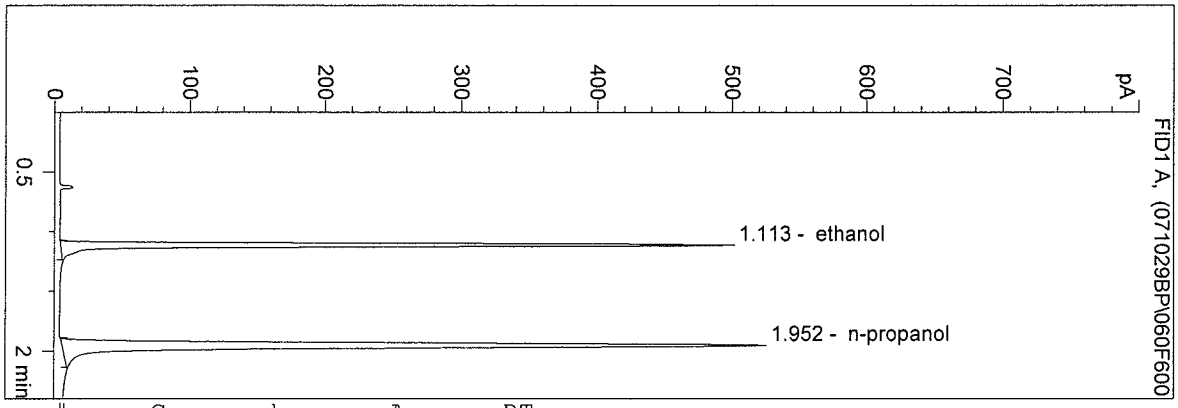
BP
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
10/29/2007 4:14:52 PM
Instrument 5
DB-ALC2

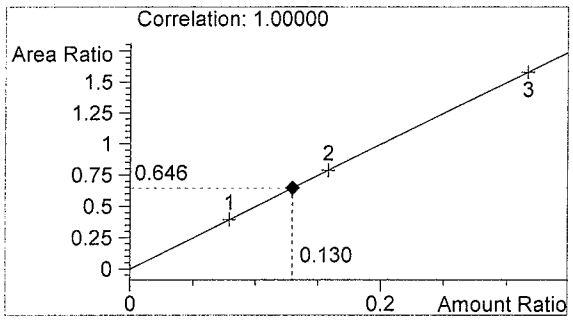
QA 07058-5
BRIANNA PETERSON

vial # 60

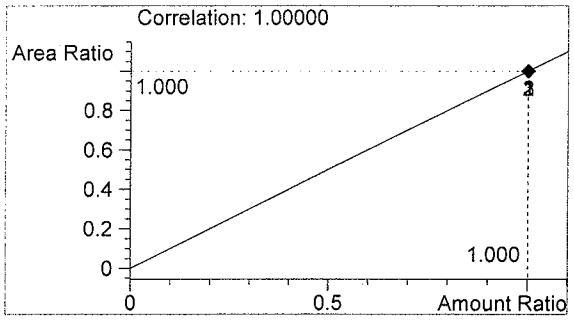


#	Compound	Area	RT
1	ethanol	1008	1.113
2	n-propanol	1561	1.952

Totals:



ethanol 0.130 g/100ml



n-propanol 1.000 g/100ml

BP
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

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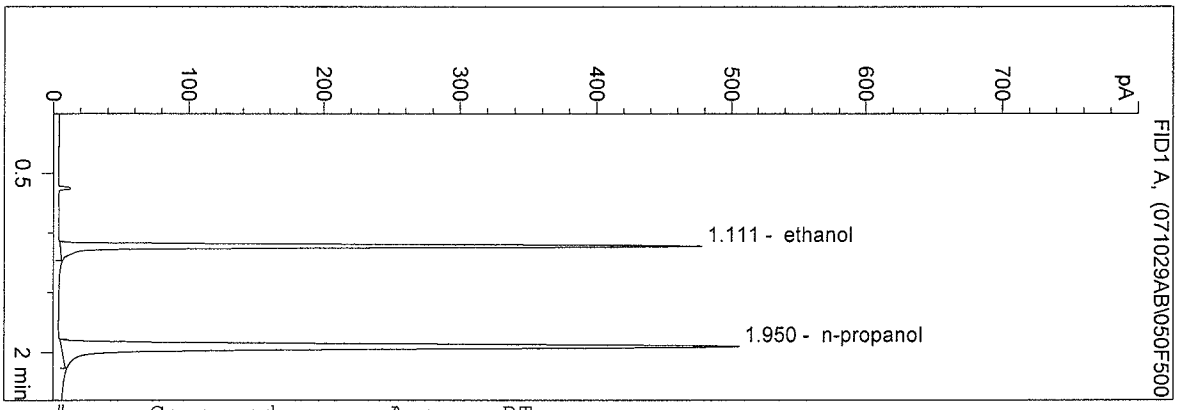
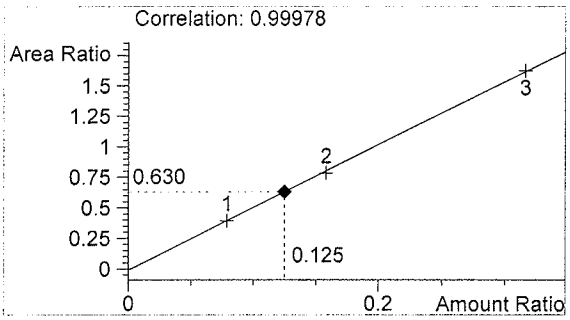
10/29/2007 8:36:42 PM
Instrument 5
DB-ALC2

QA 07058-1
A. Black

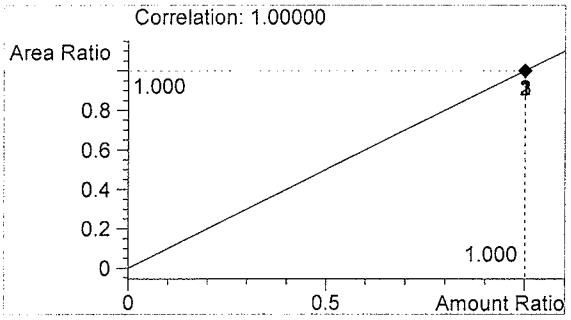
vial # 50



#	Compound	Area	RT
1	ethanol	951	1.111
2	n-propanol	1510	1.950
Totals:			



ethanol 0.125 g/100ml



n-propanol 1.000 g/100ml

OS
10-30-07

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WASHINGTON STATE TOXICOLOGY LABORATORY

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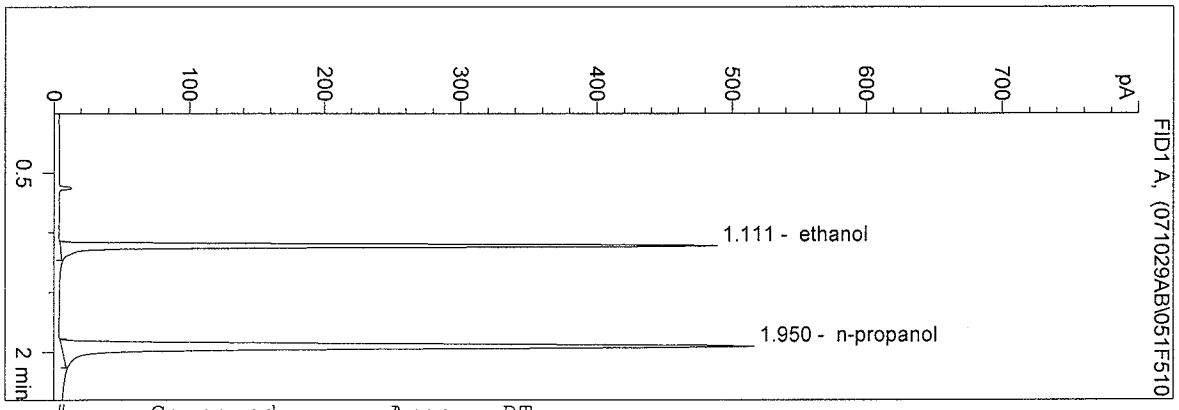
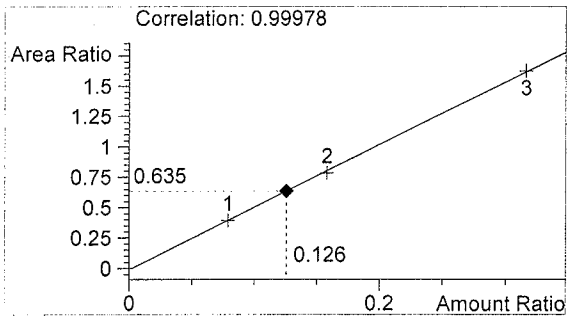
Instrument 5
DB-ALC2

QA 07058-2
A. Black

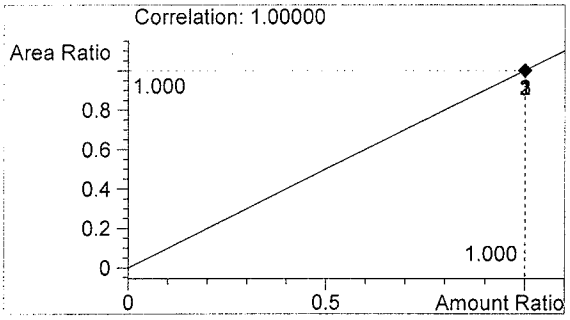
vial # 51



#	Compound	Area	RT
1	ethanol	975	1.111
2	n-propanol	1536	1.950
Totals:			



ethanol 0.126 g/100ml



n-propanol 1.000 g/100ml

OS
10.30.07

WASHINGTON STATE TOXICOLOGY LABORATORY

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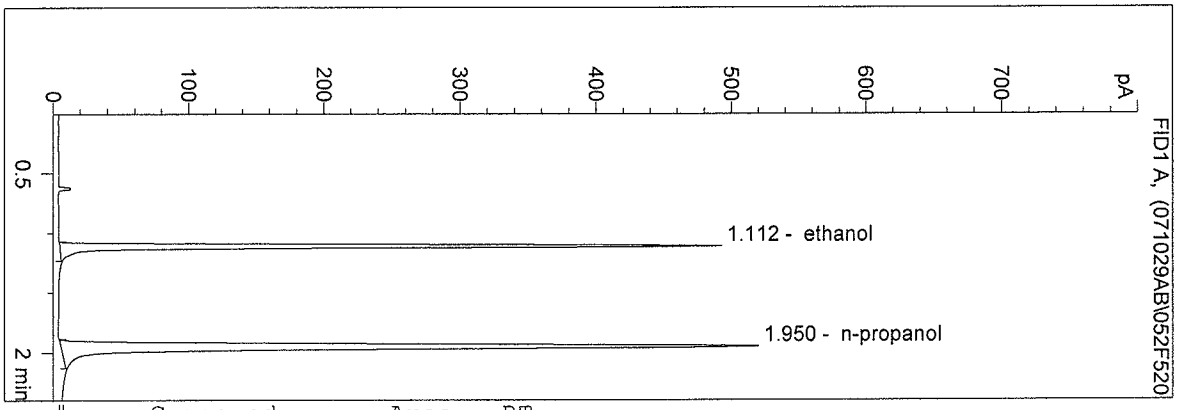
10/29/2007 8:45:16 PM
Instrument 5
DB-ALC2

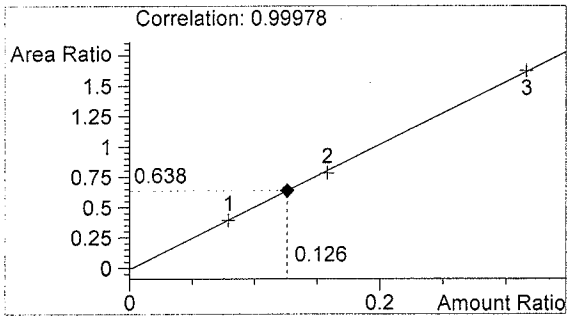
QA 07058-3
A. Black

vial # 52

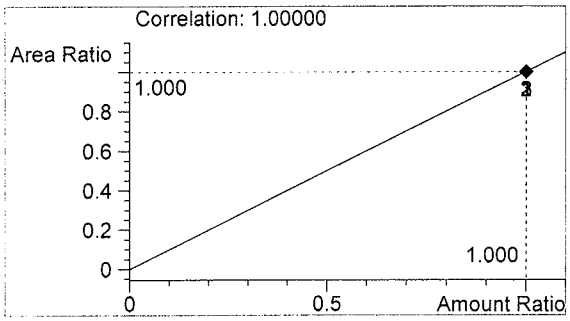


#	Compound	Area	RT
1	ethanol	985	1.112
2	n-propanol	1545	1.950

Totals:



ethanol 0.126 g/100ml



n-propanol 1.000 g/100ml

QB
10-30-07

WASHINGTON STATE TOXICOLOGY LABORATORY

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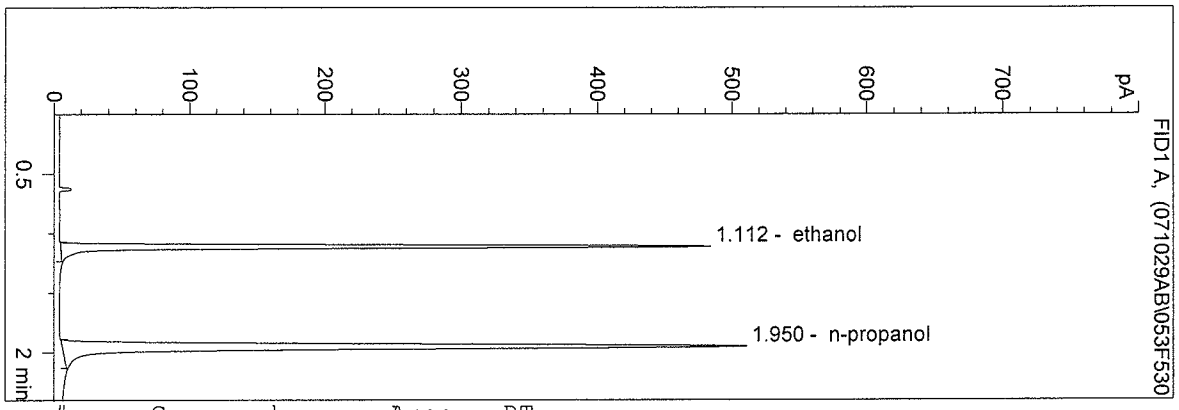
10/29/2007 8:48:51 PM
Instrument 5
DB-ALC2

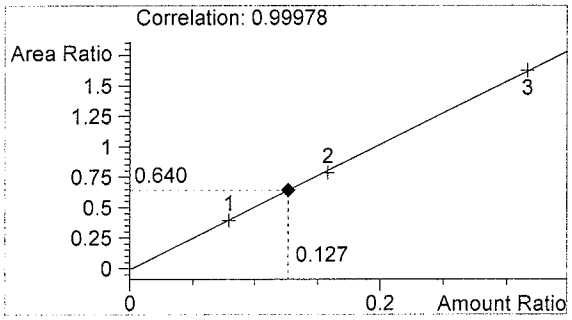
QA 07058-4
A. Black

vial # 53

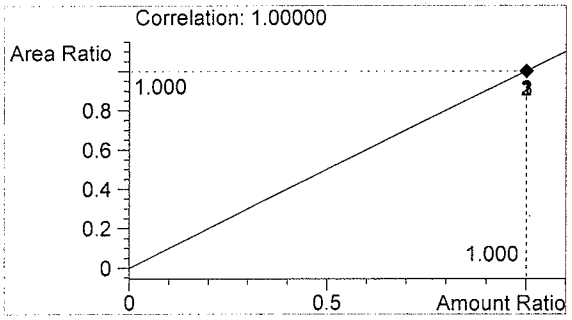


#	Compound	Area	RT
1	ethanol	970	1.112
2	n-propanol	1516	1.950

Totals:



ethanol 0.127 g/100ml



n-propanol 1.000 g/100ml

QS
10-30-07

WASHINGTON STATE TOXICOLOGY LABORATORY

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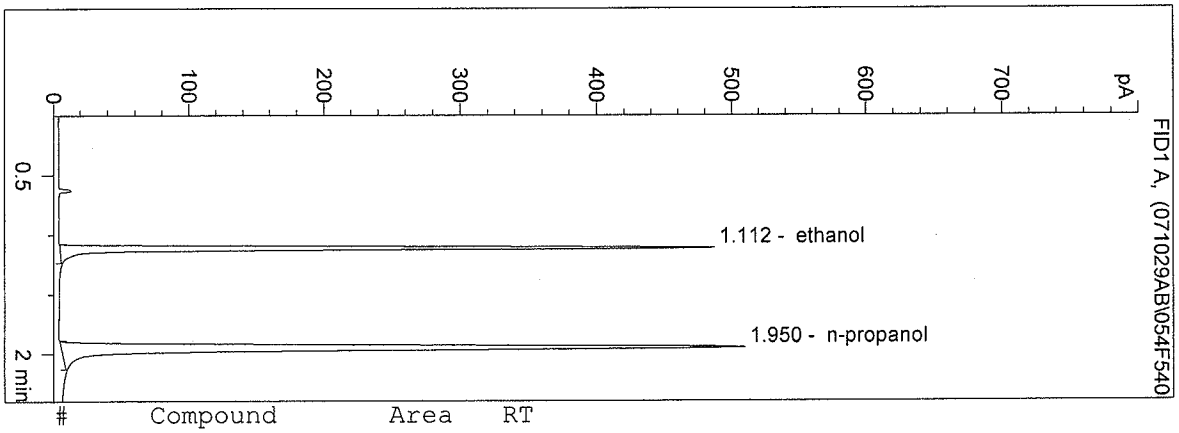
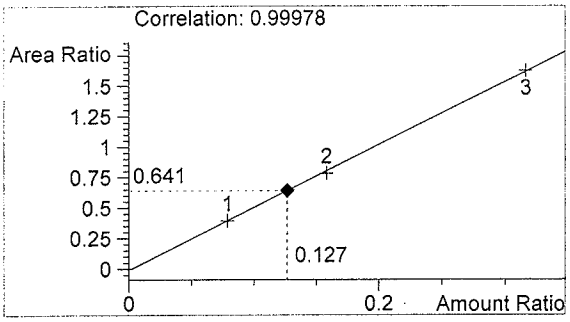
Instrument 5
DB-ALC2

QA 07058-5
A. Black

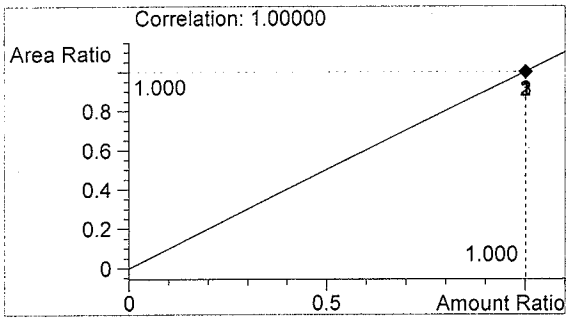
vial # 54



#	Compound	Area	RT
1	ethanol	970	1.112
2	n-propanol	1515	1.950
Totals:			



ethanol 0.127 g/100ml



n-propanol 1.000 g/100ml

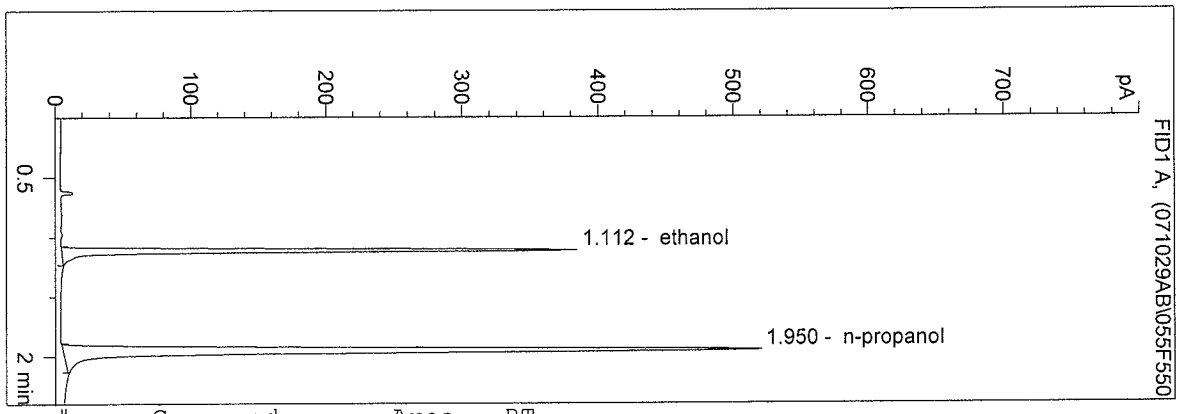
QB
10-30-07

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
10/29/2007 8:57:10 PM
Instrument 5
DB-ALC2

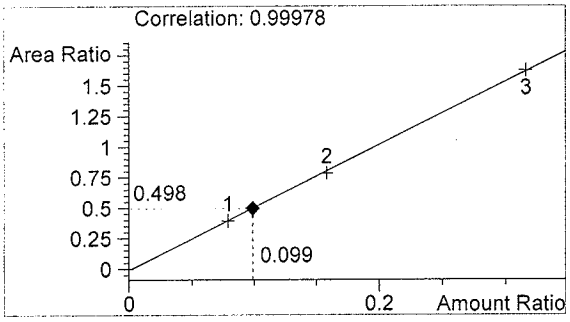
0.10 AB Control
A. Black

vial # 55

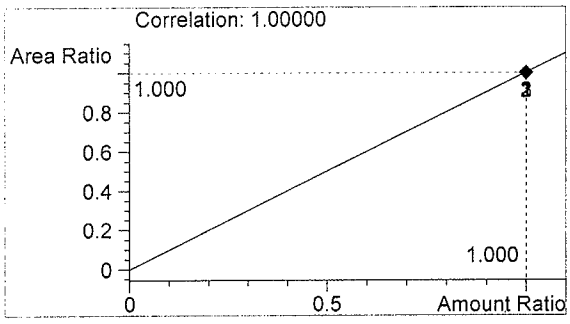


#	Compound	Area	RT
1	ethanol	770	1.112
2	n-propanol	1547	1.950

Totals:



ethanol 0.099 g/100ml



n-propanol 1.000 g/100ml

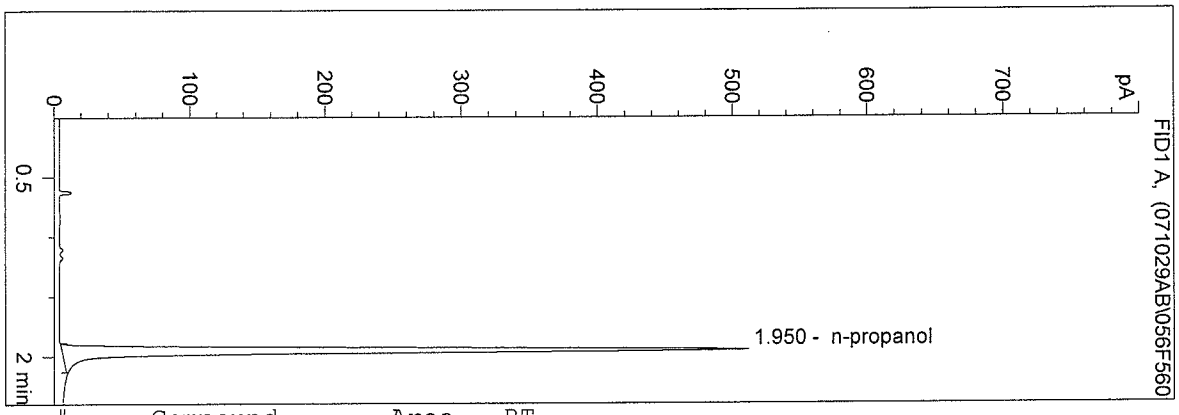
OB
10-30-07

WASHINGTON STATE TOXICOLOGY LABORATORY

D:\HPCHEM\1\METHODS\BLDALCO2.M
10/29/2007 9:00:48 PM
Instrument 5
DB-ALC2

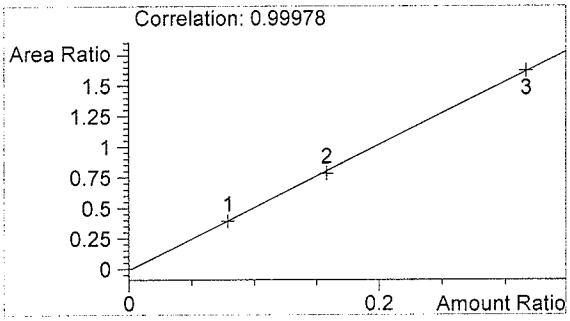
BLANK
A. Black

vial # 56

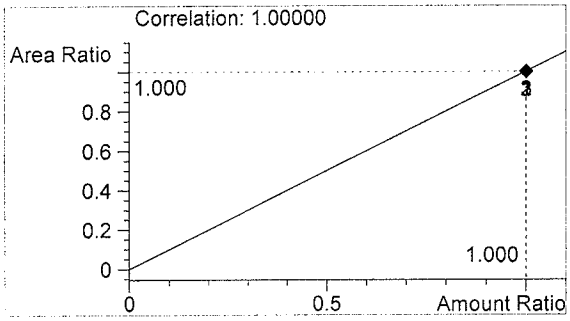


#	Compound	Area	RT
1	ethanol	0	0.000
2	n-propanol	1522	1.950

Totals:



ethanol 0.000 g/100ml



n-propanol 1.000 g/100ml

CB
10-30-07