WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2000

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 12001

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 01/05/2012
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Naziha Nuwayhid

	NN	CM	RF
1	0.048	0.049	0.049
2	0.047	0.049	0.049
3	0.048	0.050	0.049
4	0.048	0.049	0.049
5	0.048	0.050	0.049
C	0.096	0.099	0.098

ETHANOL CONTROL INFORMATION
LOT NUMBER: A075806 EXPIRATION: 11/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0487 g/100mL
STANDARD DEVIATION: 0.00080
PRECISION CV (%): 1.64
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0396 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0006 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa Pemberton — Forensic Scientist Supervisor — 1-25-12 FS-5 — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
NN	Naziha Nuwayhid		01/05/2012
CM	Christie Mitchell Mata		01/10/2012
RF	Rebecca Flaherty		01/11/2012

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol - Toxicology Laboratory Division
QAP Test Report Calculation Record

QAP Solution Batch #: 12001 **Date Prepared:** 1/5/2012

Analyst:	NN	CM	RF
Date Tested:	1/5/2012	1/10/2012	1/11/2012
Instrument:	HS#3	HS#3	HS#3
1	0.048	0.049	0.049
2	0.047	0.049	0.049
3	0.048	0.050	0.049
4	0.048	0.049	0.049
5	0.048	0.050	0.049
C	0.096	0.099	0.098

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000179119	0.0000815385	0.0001016326

Ethanol Control Lot #: A075806
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0487 g/100mL
Standard Deviation: 0.00080 g/100mL
Precision CV (%): 1.64
Equivalent Vapor Concentration: 0.0396 g/210L
Combined Standard Uncertainty (±): 0.0006 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 1.23.2012
Name Signature Date

Calculations verified by: Jason Sklerov [signature] January 24 2012 Method: Hand Calculator
Name Signature Date

Tech. review performed by: Melissa L. Pemberton [signature] 1.23.2012
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV **Date:** JANUARY 24, 2012

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 12001

	YES	NO	N/A
Analysis dates do not precede preparation date:	☒	☐	☐
Declarations signed and properly dated:	☒	☐	☐
Data entry corresponds to all chromatograms:	☒	☐	☐
All signatures present on Test Report:	☒	☐	☐
Average solution concentration correct:	☒	☐	☐
Standard deviation correct:	☒	☐	☐
CV (%) correct:	☒	☐	☐
Equivalent vapor concentration correct:	☒	☐	☐
All chromatograms and sequences included in file:	☒	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☒	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☒	☐	☐

Comments:

Reviewer Signature: (SKLEROV) **Date:** 1-24-12

Reviewer Signature: N/A (SKS) 1-24-12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson		
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	1/23/12
Christopher Johnston		
Dawn Cox		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid	NN	1/23/12
Rebecca Flaherty	RF	1-23-12
Sarah Swenson		

Batch # 12001

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12001

I, Naziha Nuwayhid, 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: Bachelor and Masters Degrees in Biology, Ph.D. degree in Basic Medical Science, ten years experience in clinical laboratory sciences, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The qap solution, Lot Number 12001, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

Naziha Nuwayhid 1/23/12
NN

Naziha Nuwayhid Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12001

I, Christie Mitchell-Mata, 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, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The qap solution, Lot Number 12001, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

Christie Mitchell-Mata 1/23/2012

Christie Mitchell-Mata Date

Forensic Toxicologist

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 0.04 QAP SOLUTION CERTIFICATION FOR LOT 12001

I, Rebecca Flaherty, do certify under penalty of perjury that:

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

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

The qap solution, Lot Number 12001, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

01-23-12

Rebecca Flaherty — Date

Forensic Toxicologist

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120105NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot #A075264 - Exp. 10/2014
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/2012
3	Vial 3	Ethanol Calibrator 2, E1111-02 - Exp. 02/10/2012
4	Vial 4	Ethanol Calibrator 3, E1111-03 - Exp. 02/10/2012
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

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Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	
37	Vial 37	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL NN	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL NN	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL NN	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL NN	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL NN	SIMALC3	1	Ctrl Samp		
10	Vial 10	12001-1	SIMALC3	1	Sample		
11	Vial 11	12001-2	SIMALC3	1	Sample		
12	Vial 12	12001-3	SIMALC3	1	Sample		
13	Vial 13	12001-4	SIMALC3	1	Sample		
14	Vial 14	12001-5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL NN	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL NN	SIMALC3	1	Ctrl Samp		
17	Vial 17	12002-1	SIMALC3	1	Sample		

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NN

Sequence: C:\HPCHEM\2\SEQUENCE\NNQARUN3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	12002-2	SIMALC3	1	Sample		
19	Vial 19	12002-3	SIMALC3	1	Sample		
20	Vial 20	12002-4	SIMALC3	1	Sample		
21	Vial 21	12002-5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL NN	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL NN	SIMALC3	1	Ctrl Samp		
24	Vial 24	12003-1	SIMALC3	1	Sample		
25	Vial 25	12003-2	SIMALC3	1	Sample		
26	Vial 26	12003-3	SIMALC3	1	Sample		
27	Vial 27	12003-4	SIMALC3	1	Sample		
28	Vial 28	12003-5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL NN	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL NN	SIMALC3	1	Ctrl Samp		
31	Vial 31	12004-1	SIMALC3	1	Sample		
32	Vial 32	12004-2	SIMALC3	1	Sample		
33	Vial 33	12004-3	SIMALC3	1	Sample		
34	Vial 34	12004-4	SIMALC3	1	Sample		
35	Vial 35	12004-5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL NN	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL NN	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

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Calibration Table

Calib. Data Modified : Thursday, January 05, 2012 2:10:26 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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
1.064	1	1	7.86300e-2	528.92407	1.48660e-4		1	Ethanol
		2	1.55890e-1	1022.82739	1.52411e-4			
		3	3.12180e-1	2020.64343	1.54495e-4			
1.824	1	1	1.00000	1358.48181	7.36116e-4	I1		n-Propanol
		2	1.00000	1316.86633	7.59379e-4			
		3	1.00000	1311.78882	7.62318e-4			

Peak Sum Table

No Entries in table

12001
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Calibration Curves

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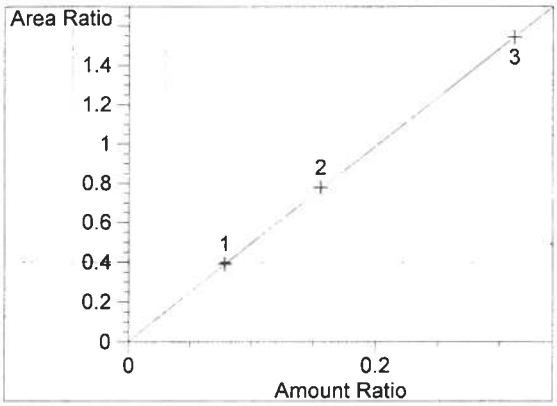
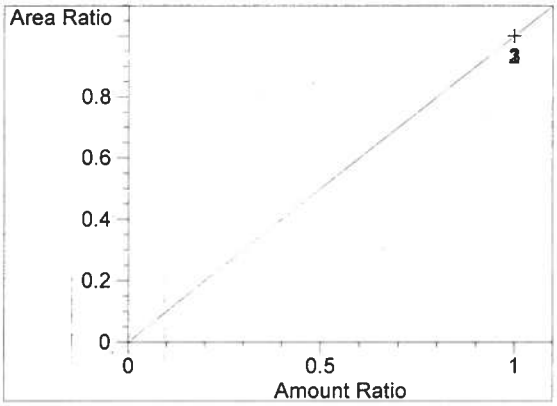


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00439
Formula: y = mx + b
m: 4.93546
b: 2.05428e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.824
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

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NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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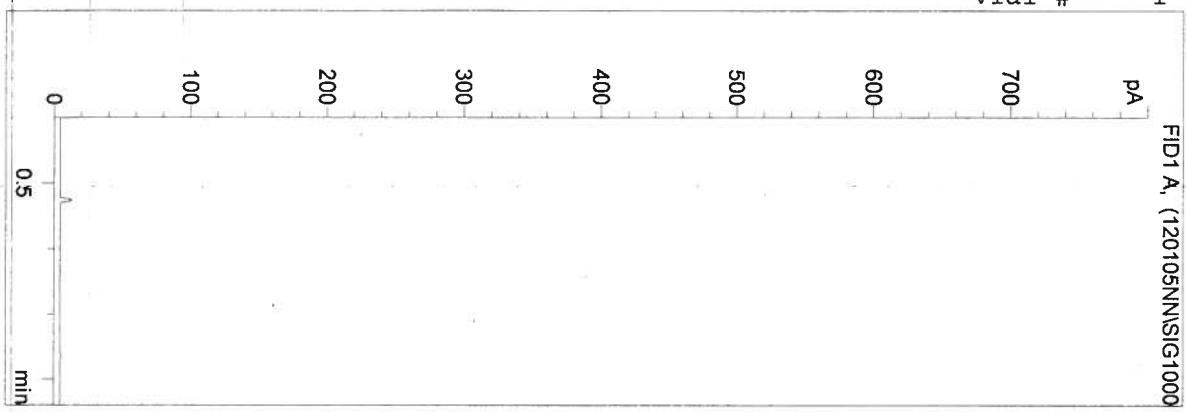
1/5/2012 1:58:52 PM
Instrument 3
DB-ALC2

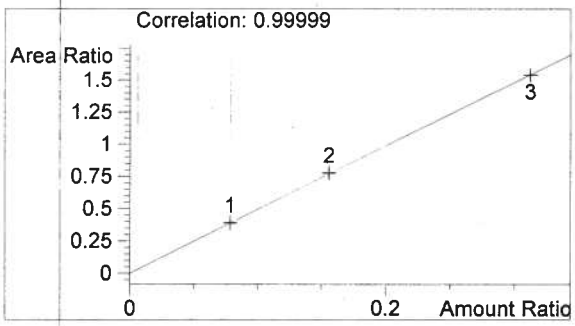
BLANK
Naziha Nuwayhid, PhD

vial # 1

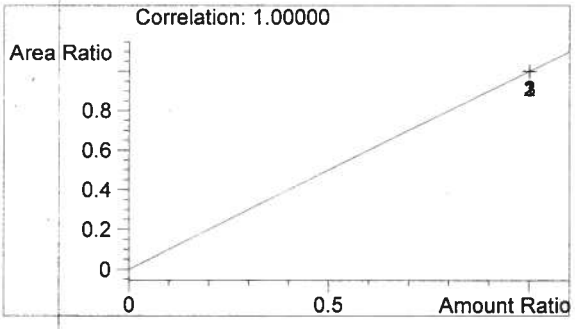


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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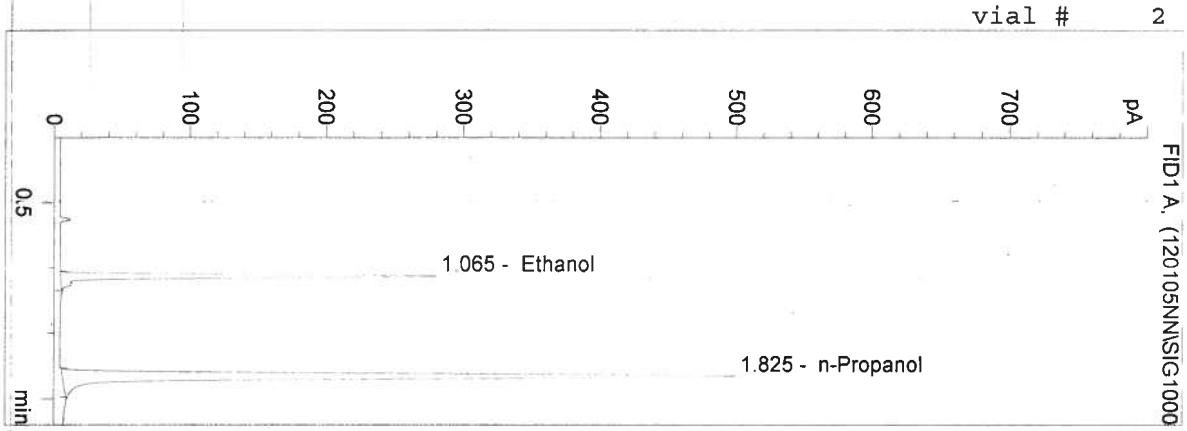
Instrument 3
DB-ALC2

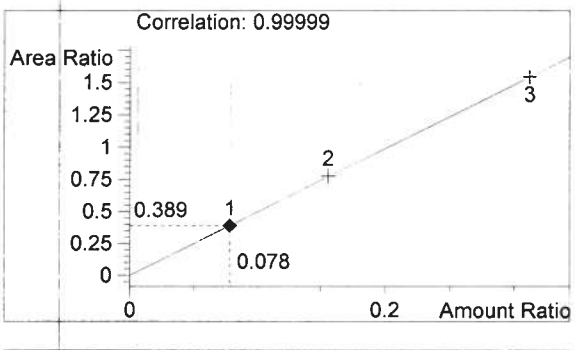
0.079 CAL
Naziha Nuwayhid, PhD

vial # 2

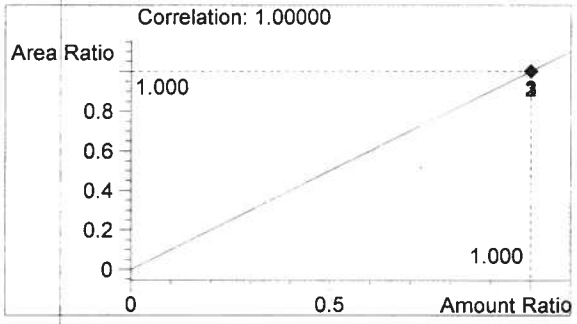


#	Compound	Area	RT
1	Ethanol	529	1.065
2	n-Propanol	1358	1.825

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

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NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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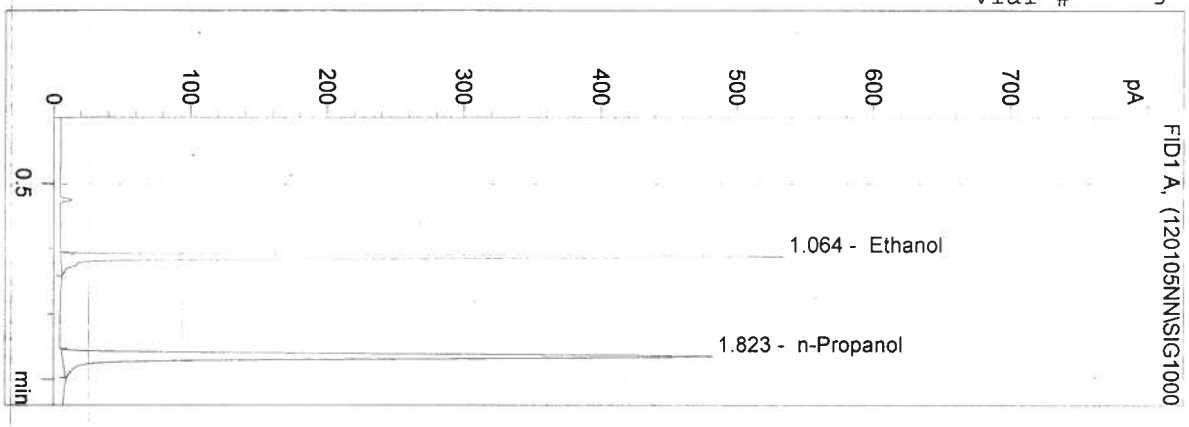
Instrument 3
DB-ALC2

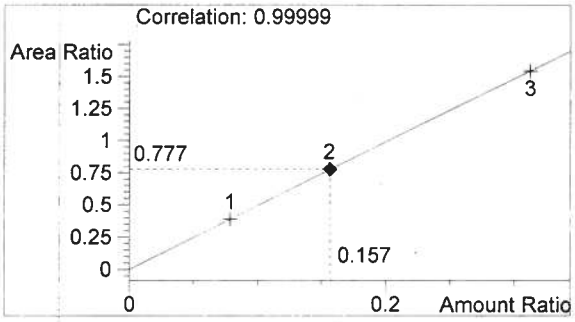
0.158 CAL
Naziha Nuwayhid, PhD

vial # 3

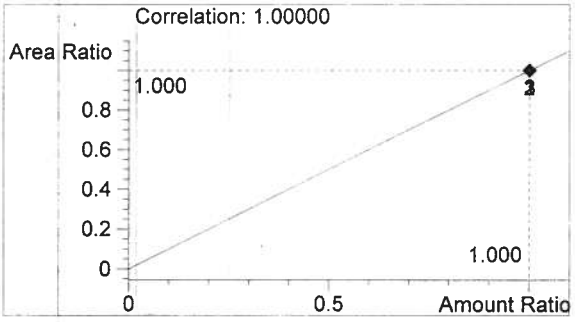


#	Compound	Area	RT
1	Ethanol	1023	1.064
2	n-Propanol	1317	1.823

Totals:



Ethanol 0.157 g/100ml



n-Propanol 1.000 g/100ml

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NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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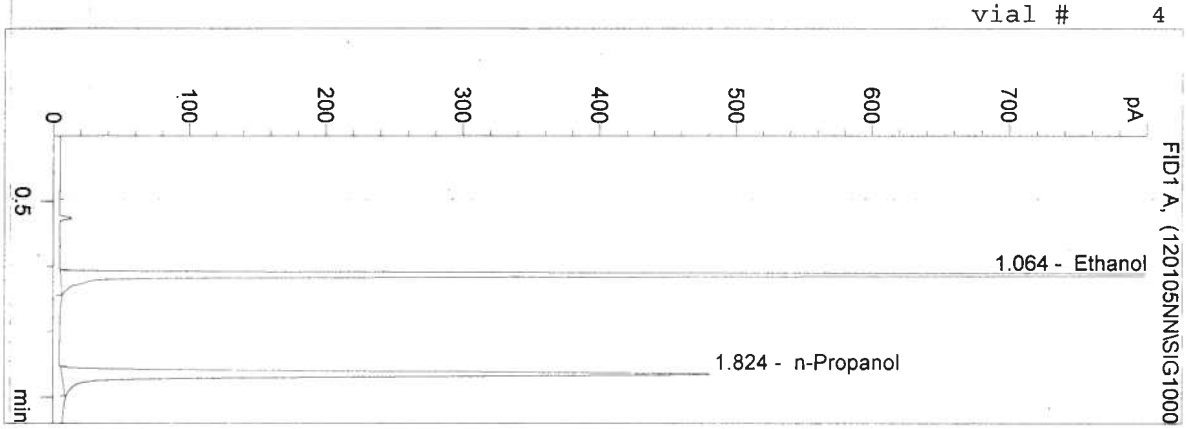
Instrument 3
DB-ALC2

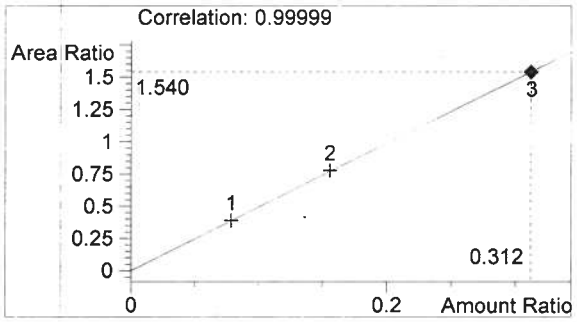
0.316 CAL
Naziha Nuwayhid, PhD

vial # 4

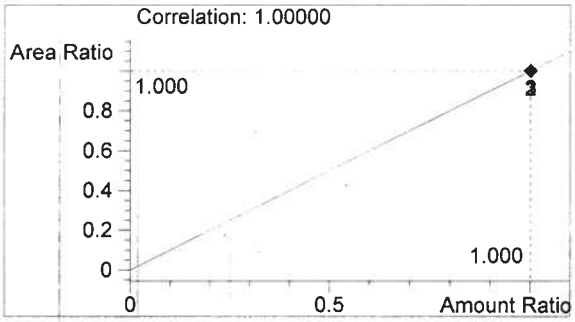


#	Compound	Area	RT
1	Ethanol	2021	1.064
2	n-Propanol	1312	1.824

Totals:



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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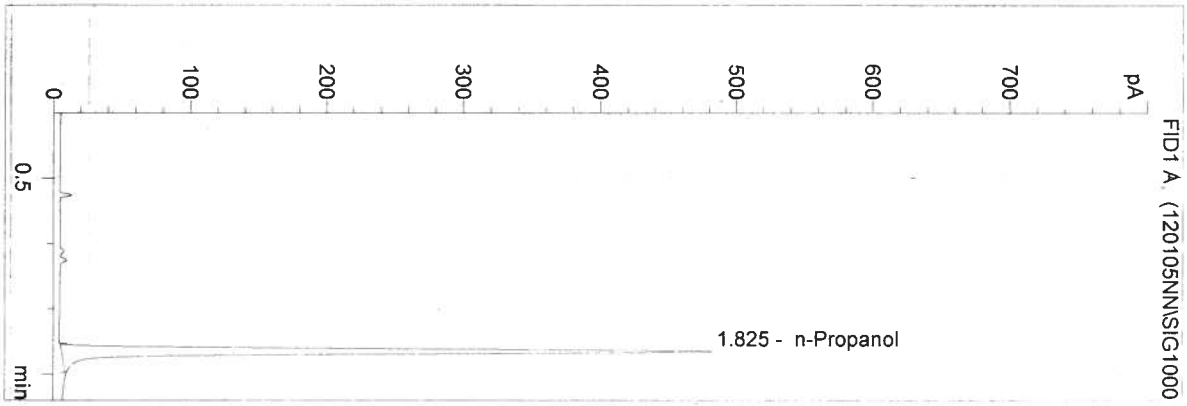
Instrument 3
DB-ALC2

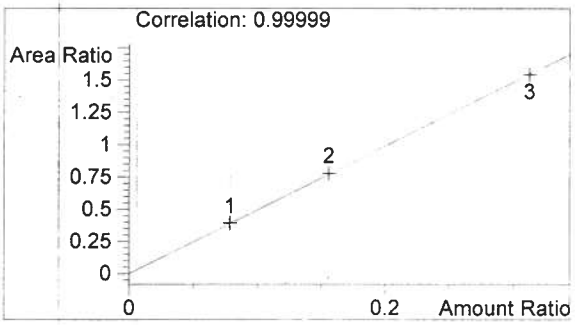
NEG CTRL NN
Naziha Nuwayhid, PhD

vial # 5

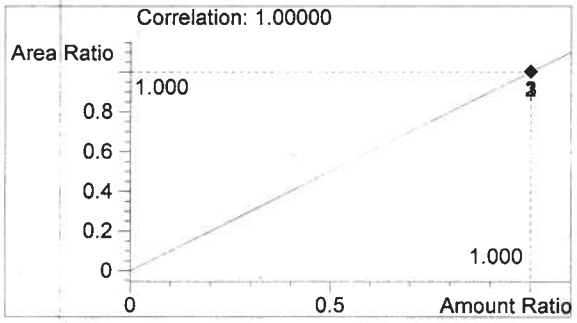


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1318	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
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1/16/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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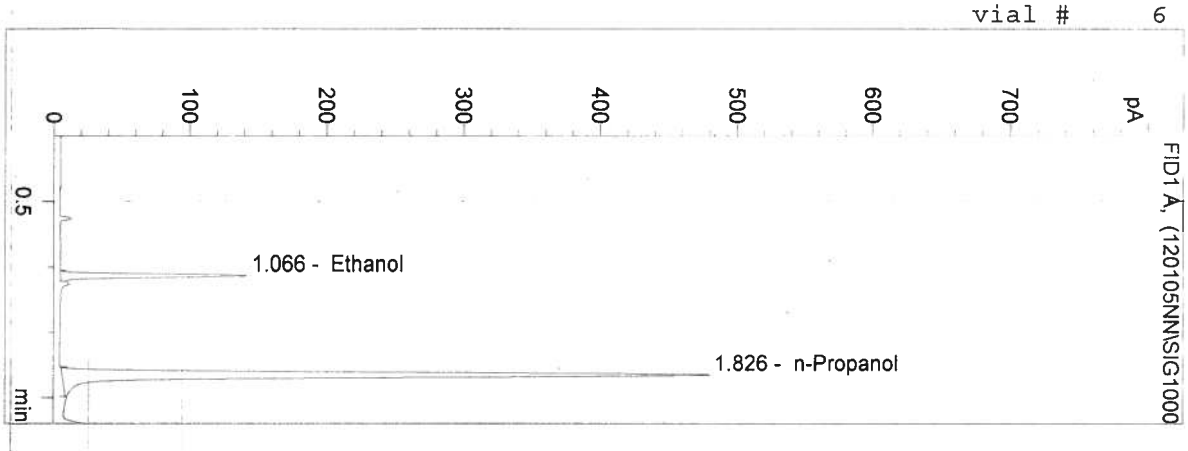
Instrument 3
DB-ALC2

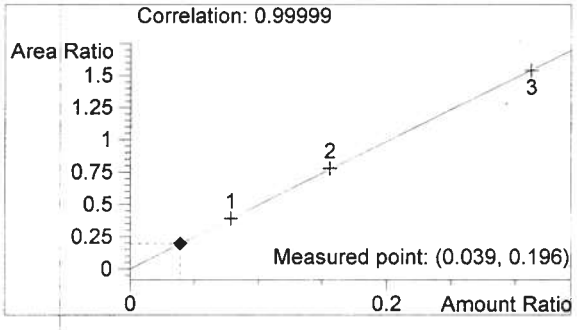
0.04 CTRL NN
Naziha Nuwayhid, PhD

vial # 6

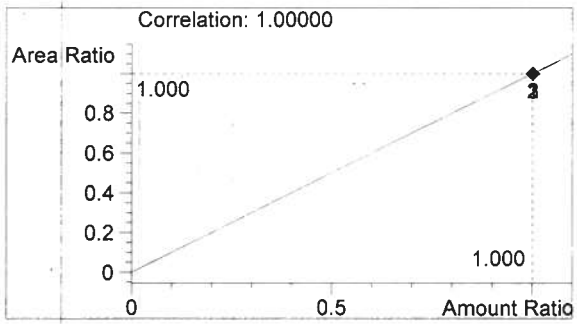


#	Compound	Area	RT
1	Ethanol	256	1.066
2	n-Propanol	1309	1.826

Totals:



Ethanol 0.039 g/100ml



n-Propanol 1.000 g/100ml

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1/6/12 NN

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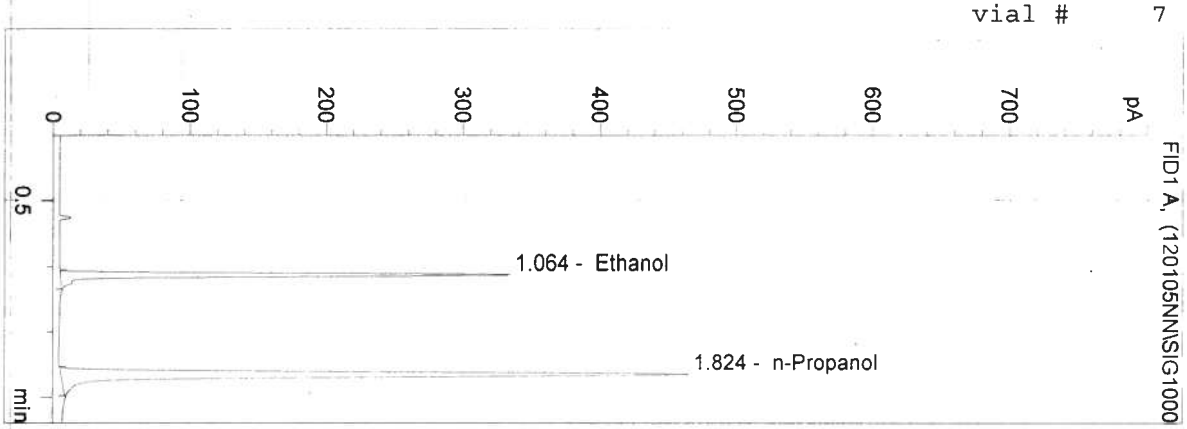
C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 2:17:36 PM
Instrument 3
DB-ALC2

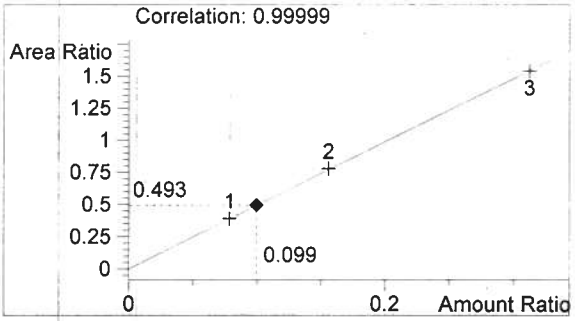
0.10 CTRL NN
Naziha Nuwayhid, PhD

vial # 7

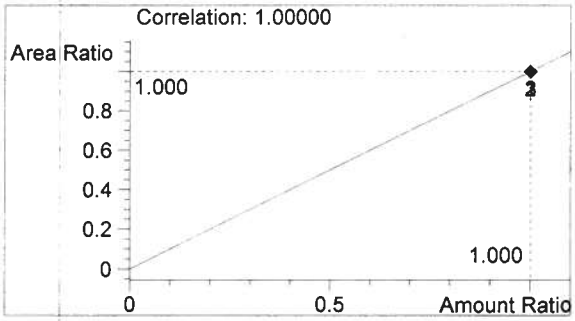


#	Compound	Area	RT
1	Ethanol	623	1.064
2	n-Propanol	1264	1.824

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

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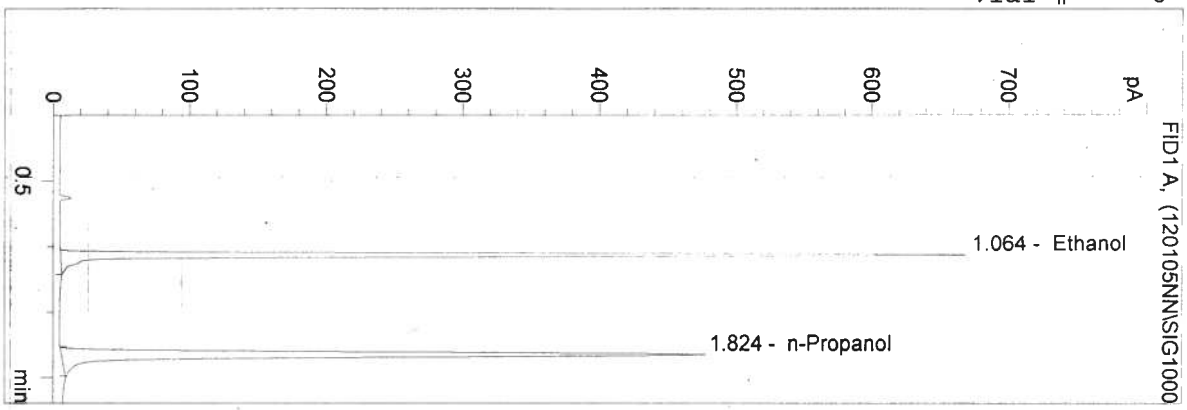
Instrument 3
DB-ALC2

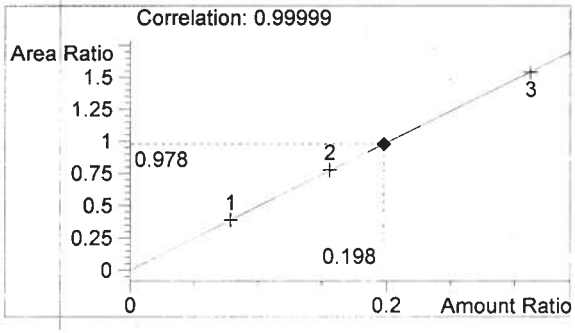
0.20 CTRL NN
Naziha Nuwayhid, PhD

vial # 8

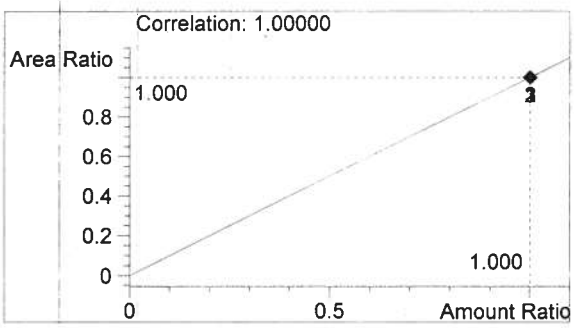


#	Compound	Area	RT
1	Ethanol	1271	1.064
2	n-Propanol	1300	1.824

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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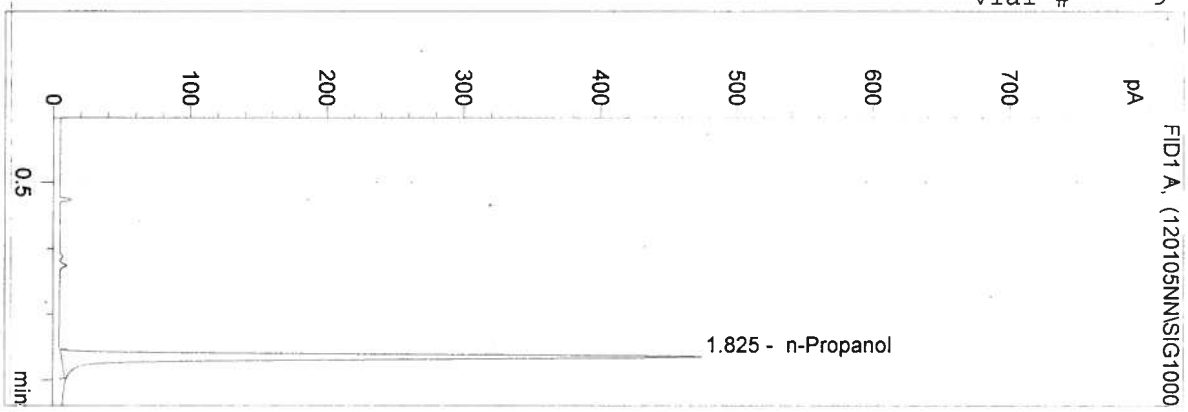
Instrument 3
DB-ALC2

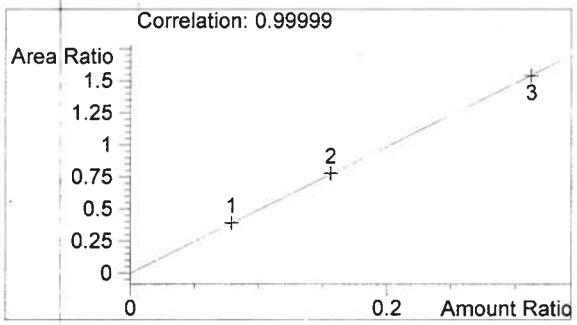
NEG CTRL NN
Naziha Nuwayhid, PhD

vial # 9

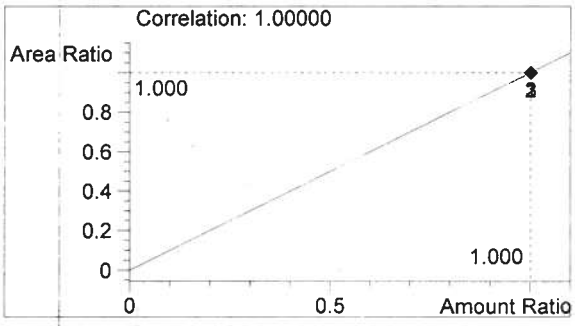


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1293	1.825

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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NN

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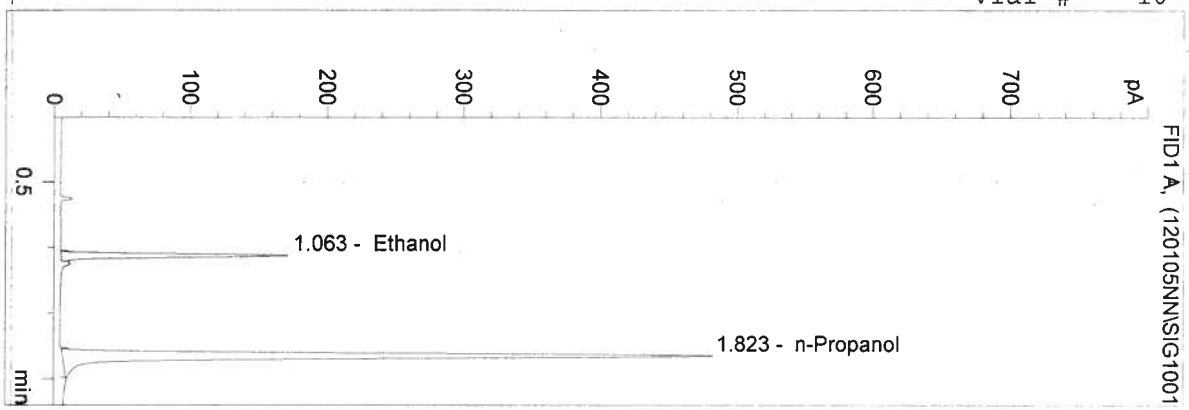
Instrument 3
DB-ALC2

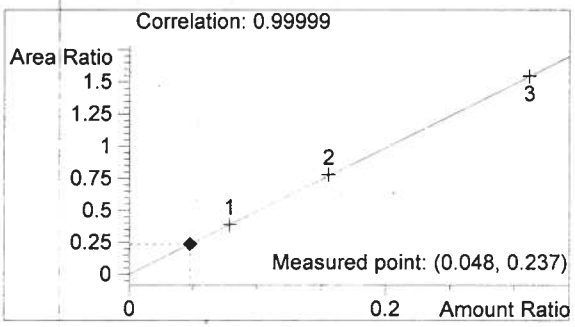
12001-1
Naziha Nuwayhid, PhD

vial # 10

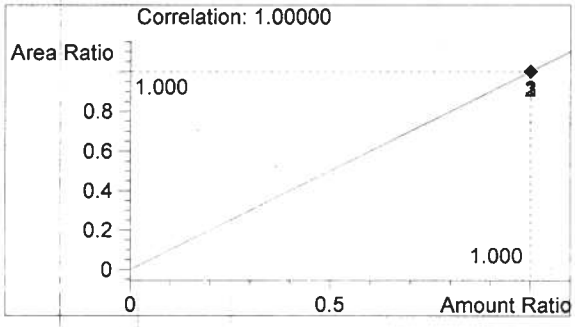


#	Compound	Area	RT
1	Ethanol	311	1.063
2	n-Propanol	1314	1.823

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

1/6/12
MW

WASHINGTON STATE TOXICOLOGY LABORATORY

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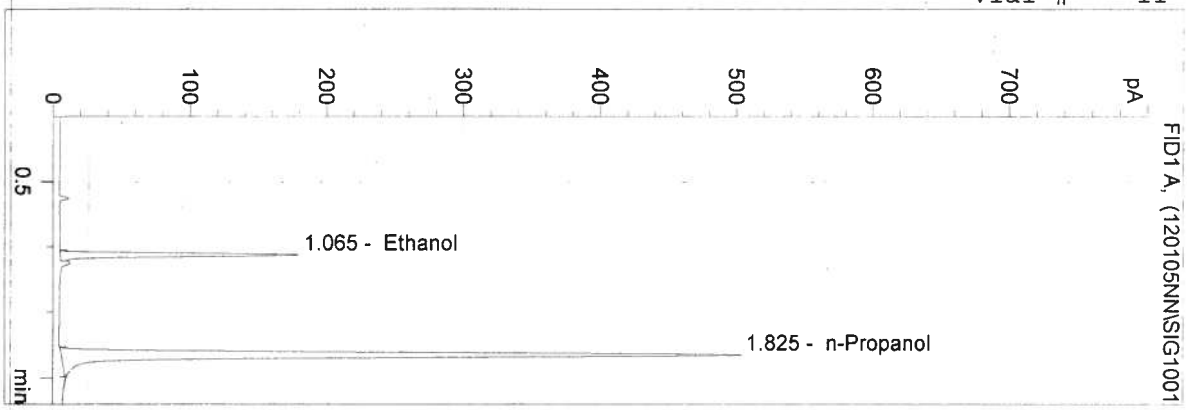
1/5/2012 2:30:05 PM
Instrument 3
DB-ALC2

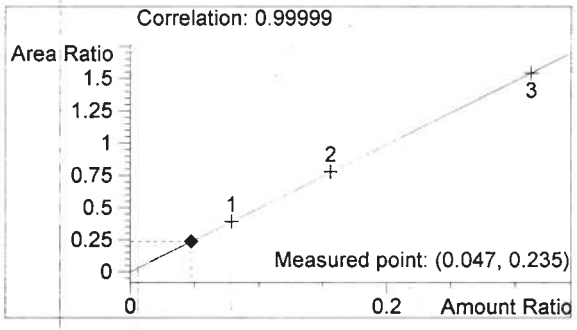
12001-2
Naziha Nuwayhid, PhD

vial # 11

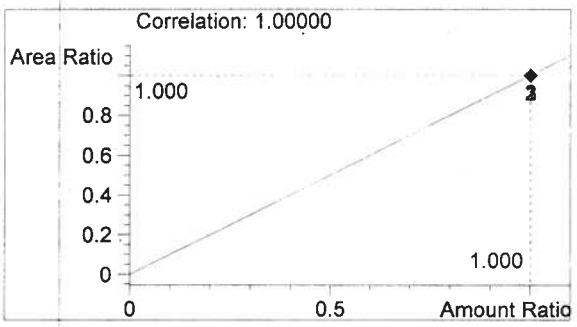


#	Compound	Area	RT
1	Ethanol	322	1.065
2	n-Propanol	1368	1.825

Totals:



Ethanol 0.047 g/100ml



n-Propanol 1.000 g/100ml

1/6/12
NN

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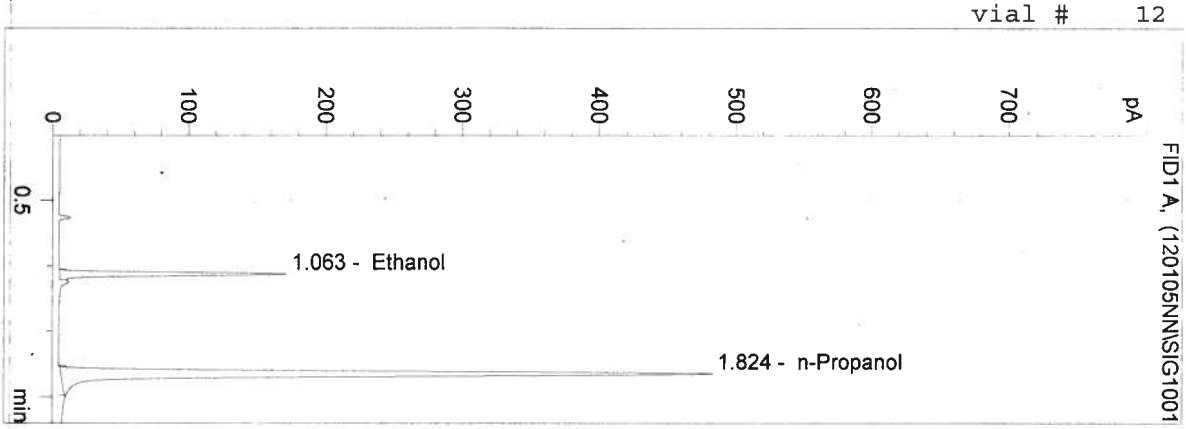
Instrument 3
DB-ALC2

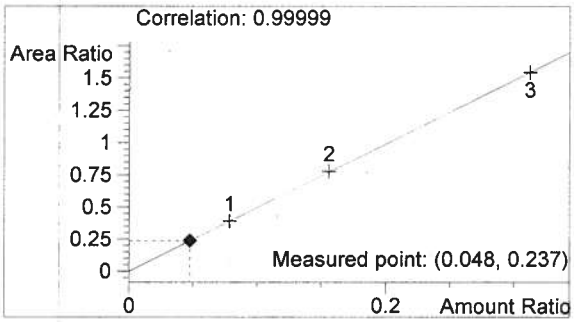
12001-3
Naziha Nuwayhid, PhD

vial # 12

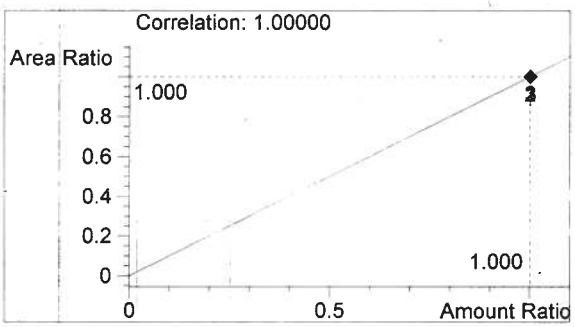


#	Compound	Area	RT
1	Ethanol	313	1.063
2	n-Propanol	1320	1.824

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

1/6/12
NN

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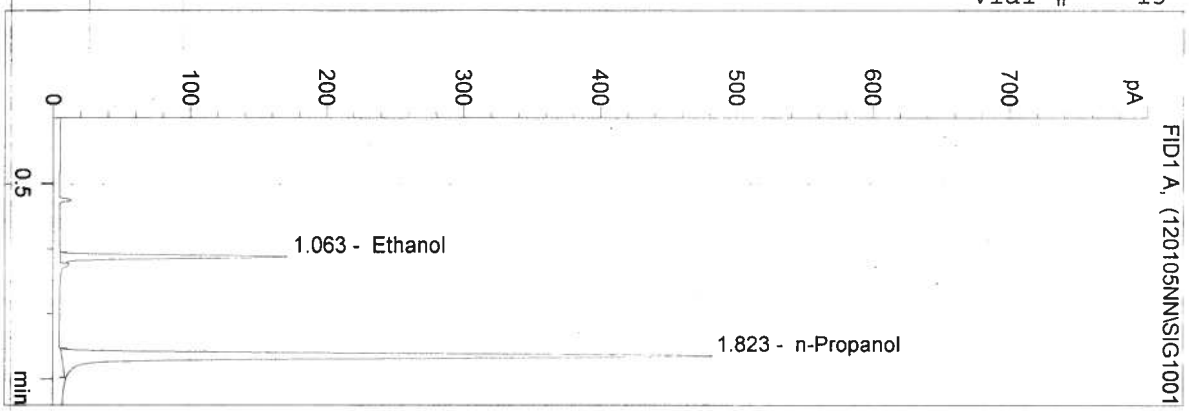
Instrument 3
DB-ALC2

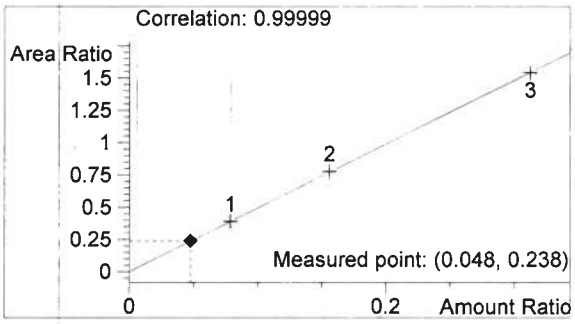
12001-4
Naziha Nuwayhid, PhD

vial # 13

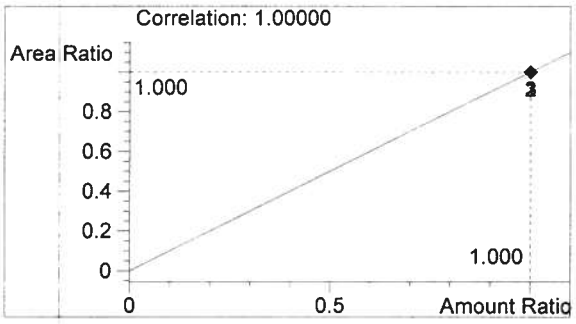


#	Compound	Area	RT
1	Ethanol	314	1.063
2	n-Propanol	1318	1.823

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

NN 1/18/12 NN

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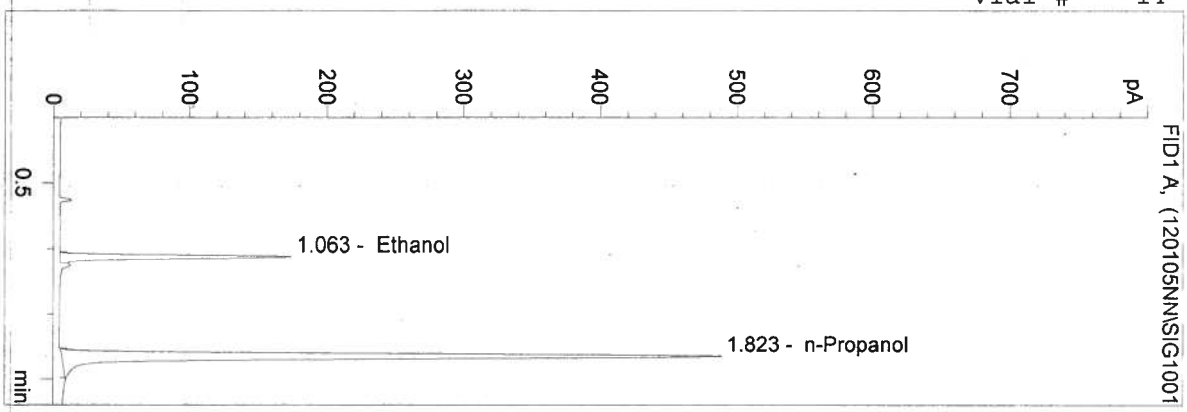
Instrument 3
DB-ALC2

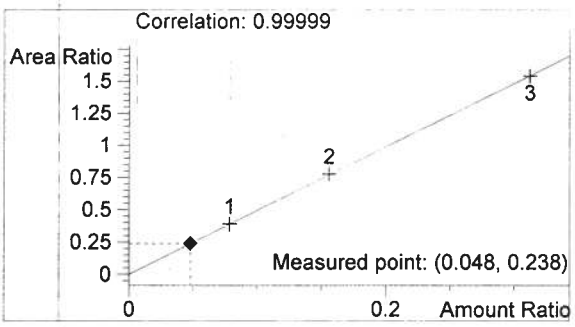
12001-5
Naziha Nuwayhid, PhD

vial # 14

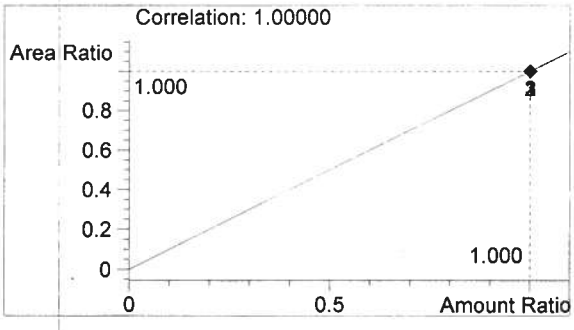


#	Compound	Area	RT
1	Ethanol	317	1.063
2	n-Propanol	1330	1.823

Totals:



Ethanol 0.048 g/100ml



n-Propanol 1.000 g/100ml

1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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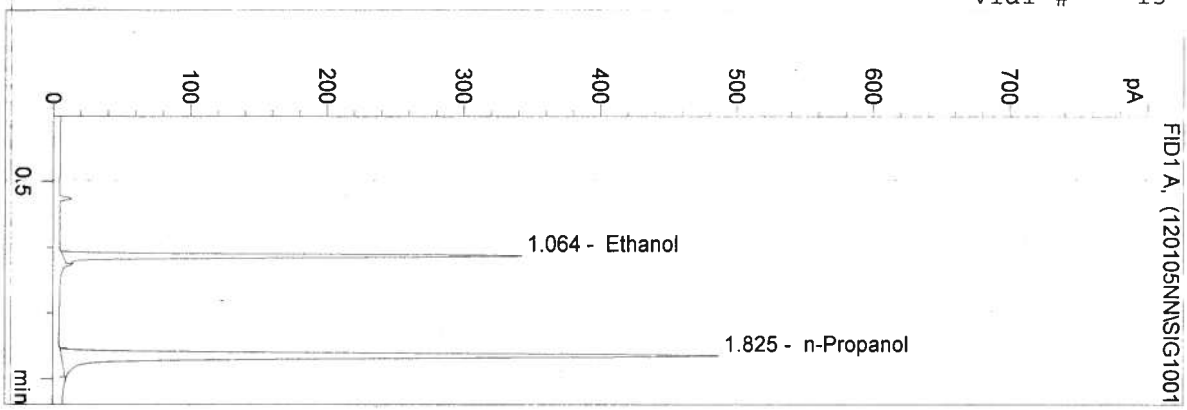
Instrument 3
DB-ALC2

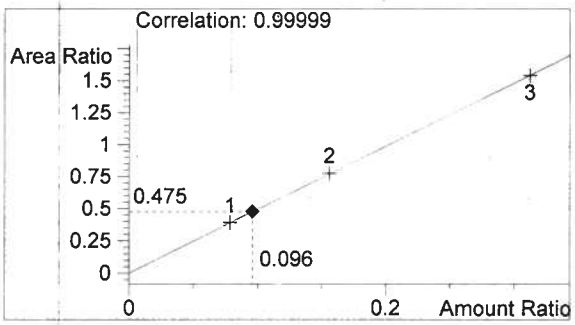
0.10 CTRL NN
Naziha Nuwayhid, PhD

vial # 15

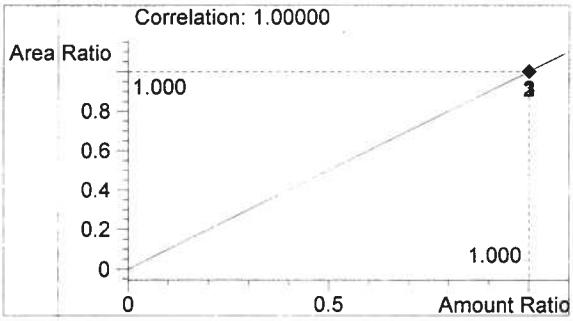


#	Compound	Area	RT
1	Ethanol	633	1.064
2	n-Propanol	1334	1.825

Totals:



Ethanol 0.096 g/100ml



n-Propanol 1.000 g/100ml

12001

1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

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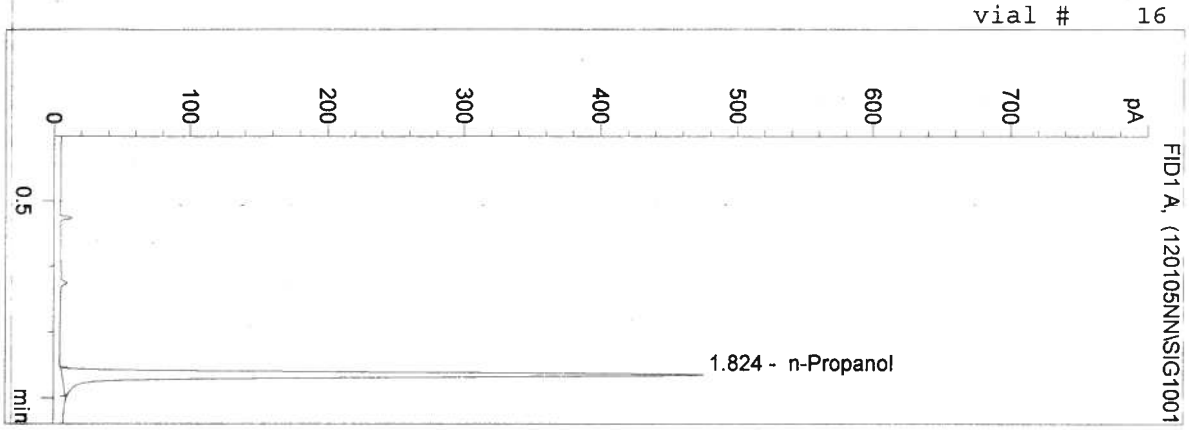
Instrument 3
DB-ALC2

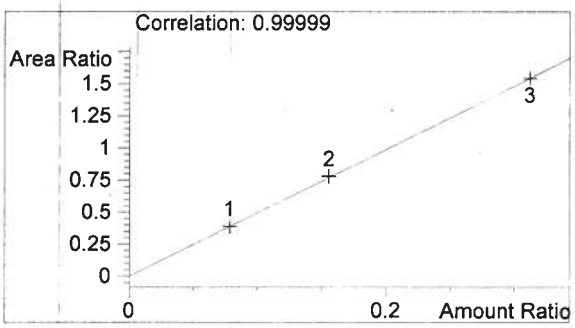
NEG CTRL NN
Naziha Nuwayhid, PhD

vial # 16

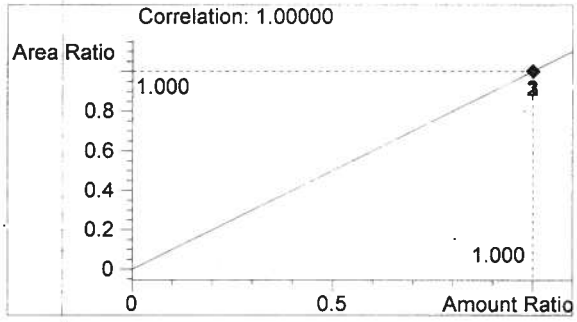


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1296	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12001

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NN

Sequence Parameters:

Operator:	Christie Mitchell Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120110CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A077459 - exp 02/2015
0.10 Control - Lot # A075806 - exp 11/2014
0.20 Control - Lot # A076521 - exp 12/2014

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Lot#E1111-01
3	Vial 3	Lot#E1111-02
4	Vial 4	Lot#E1111-03
5	Vial 5	
6	Vial 6	
7	Vial 7	
8	Vial 8	
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	
15	Vial 15	
16	Vial 16	

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CM

Line	Location	Sample Information
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	
37	Vial 37	

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CM	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CM	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 12001 #1	SIMALC3	1	Sample		
11	Vial 11	QAP 12001 #2	SIMALC3	1	Sample		
12	Vial 12	QAP 12001 #3	SIMALC3	1	Sample		
13	Vial 13	QAP 12001 #4	SIMALC3	1	Sample		
14	Vial 14	QAP 12001 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 12002 #1	SIMALC3	1	Sample		

12001
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12004
CM

Sequence: C:\HPCHEM\2\SEQUENCE\CMQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
18	Vial 18	QAP 12002 #2	SIMALC3	1	Sample		
19	Vial 19	QAP 12002 #3	SIMALC3	1	Sample		
20	Vial 20	QAP 12002 #4	SIMALC3	1	Sample		
21	Vial 21	QAP 12002 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 12003 #1	SIMALC3	1	Sample		
25	Vial 25	QAP 12003 #2	SIMALC3	1	Sample		
26	Vial 26	QAP 12003 #3	SIMALC3	1	Sample		
27	Vial 27	QAP 12003 #4	SIMALC3	1	Sample		
28	Vial 28	QAP 12003 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 12004 #1	SIMALC3	1	Sample		
32	Vial 32	QAP 12004 #2	SIMALC3	1	Sample		
33	Vial 33	QAP 12004 #3	SIMALC3	1	Sample		
34	Vial 34	QAP 12004 #4	SIMALC3	1	Sample		
35	Vial 35	QAP 12004 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL-CM	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL-CM	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

12001
12002
12003
12004

Calibration Table

Calib. Data Modified : Tuesday, January 10, 2012 9:44:50 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.064	1		1	7.86300e-2	505.43811	1.55568e-4		1	Ethanol
			2	1.55890e-1	1003.23846	1.55387e-4			
			3	3.12180e-1	2012.22424	1.55142e-4			
1.823	1		1	1.00000	1408.09766	7.10178e-4	I1		n-Propanol
			2	1.00000	1405.67590	7.11402e-4			
			3	1.00000	1393.71069	7.17509e-4			

Peak Sum Table

No Entries in table

12001
12002
12003
12004
CM

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Calibration Curves

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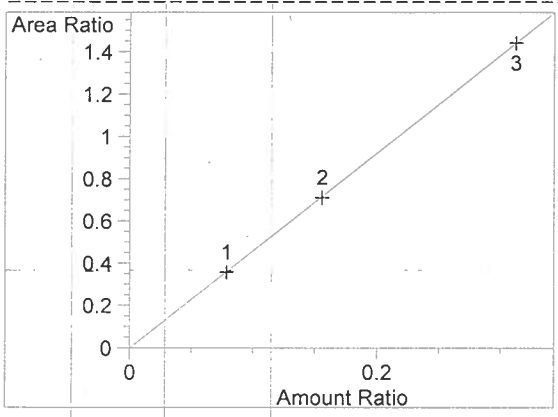
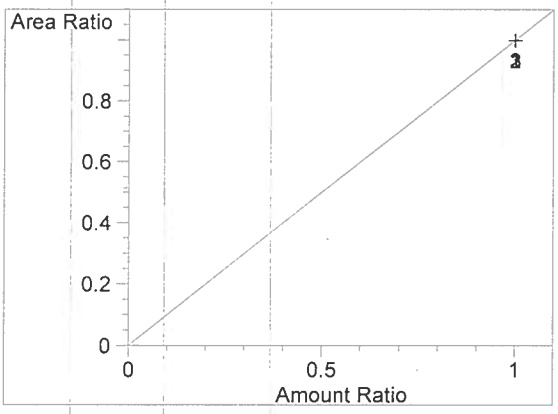


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00440
Formula: y = mx + b
m: 4.62737
b: -3.33390e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.823
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

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12001
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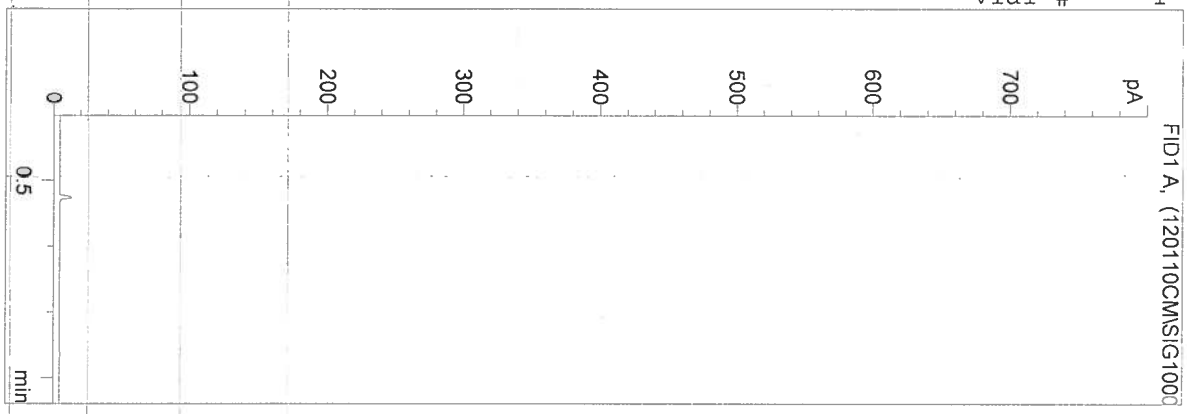
C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 9:33:15 AM
Instrument 3
DB-ALC2

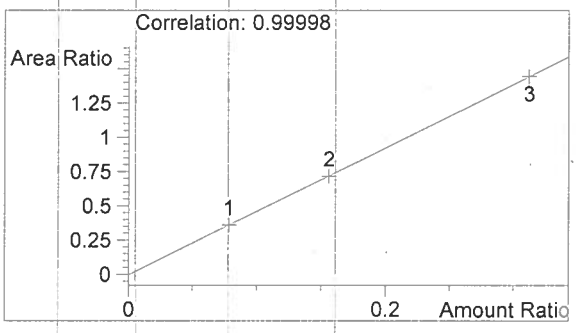
BLANK
Christie Mitchell Mata

vial # 1

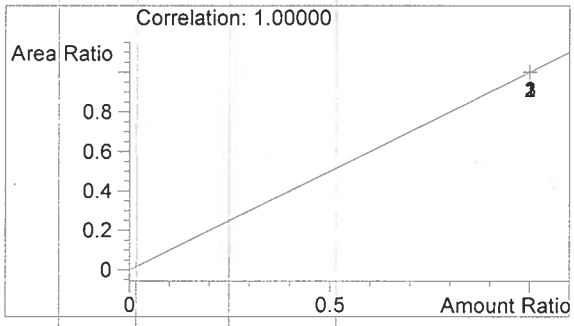


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000

Totals:



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

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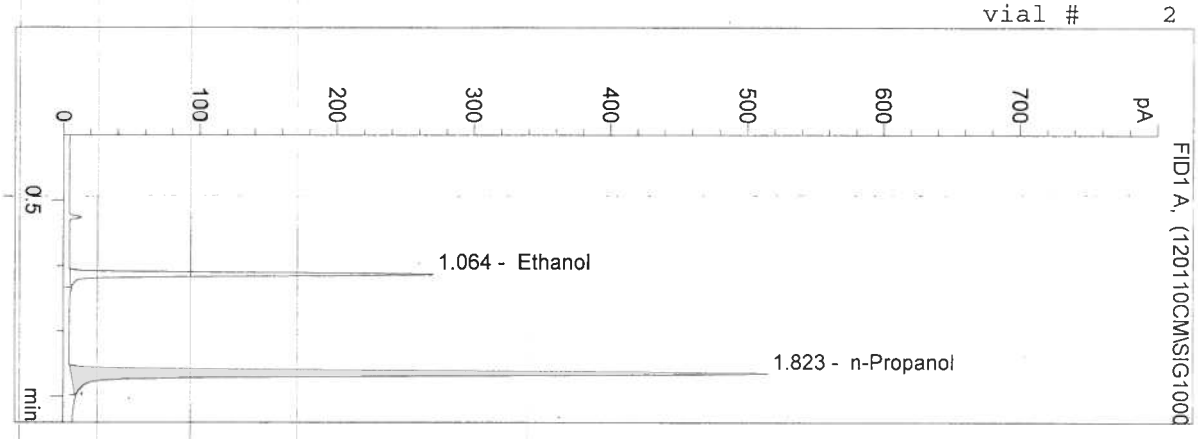
Instrument 3
DB-ALC2

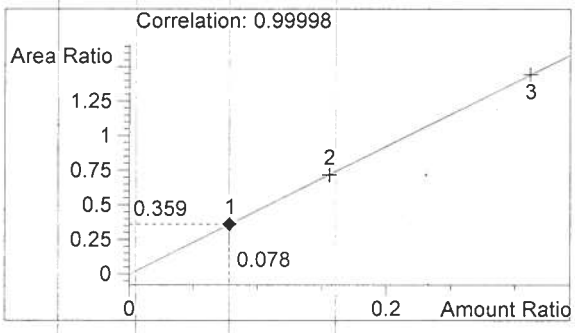
0.079 CAL 1
Christie Mitchell Mata

vial # 2

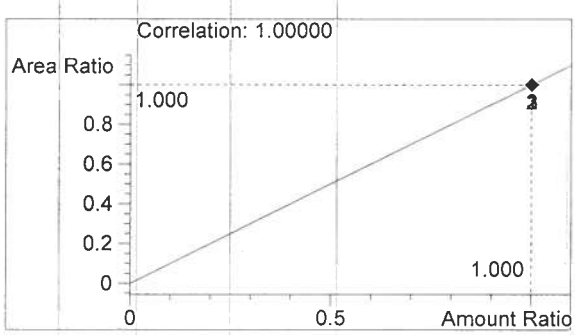


#	Compound	Area	RT
1	Ethanol	505	1.064
2	n-Propanol	1408	1.823

Totals:



Ethanol 0.078 g/100ml



n-Propanol 1.000 g/100ml

12001
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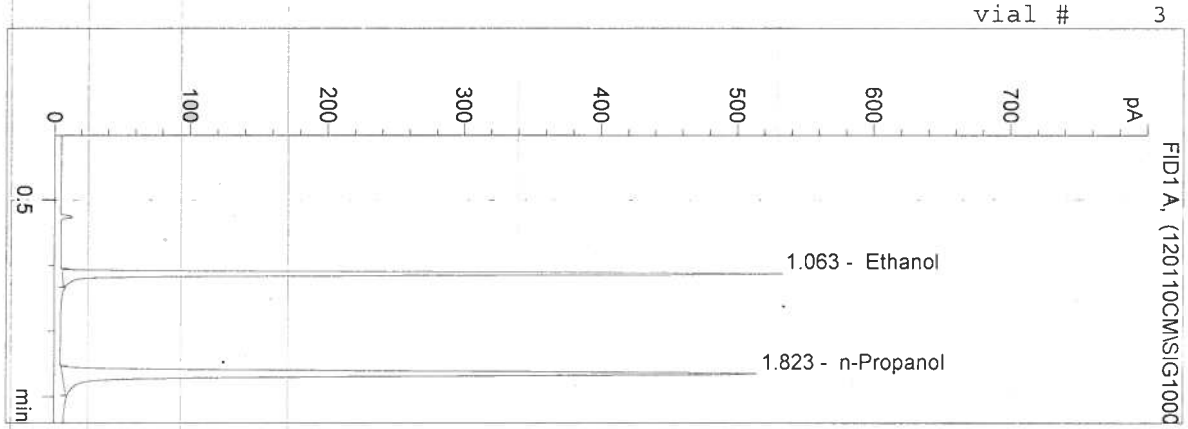
Instrument 3
DB-ALC2

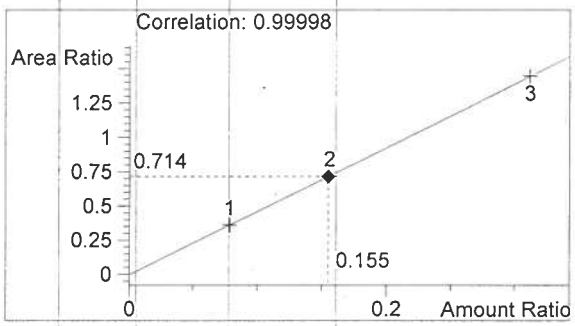
0.158 CAL 2
Christie Mitchell Mata

vial # 3

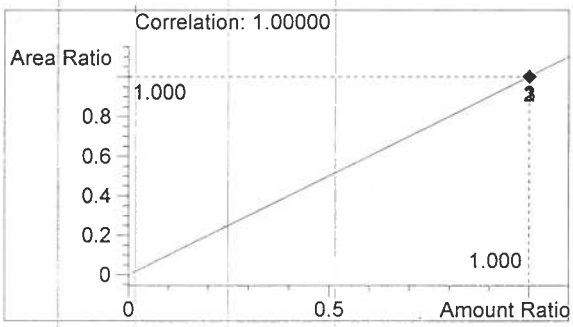


#	Compound	Area	RT
1	Ethanol	1003	1.063
2	n-Propanol	1406	1.823

Totals:



Ethanol 0.155 g/100ml



n-Propanol 1.000 g/100ml

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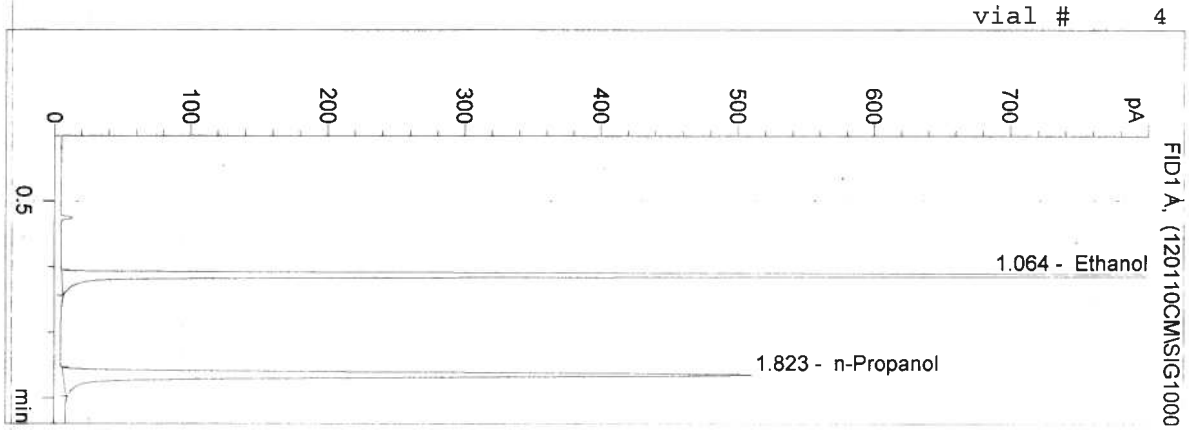
Instrument 3
DB-ALC2

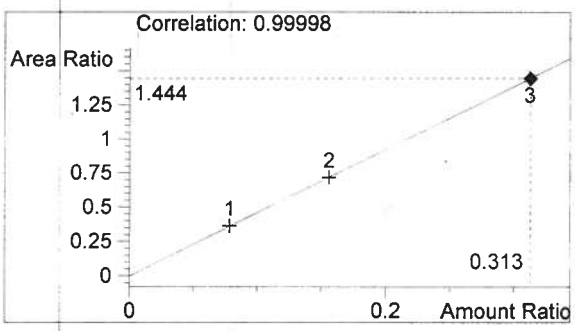
0.316 CAL 3
Christie Mitchell Mata

vial # 4

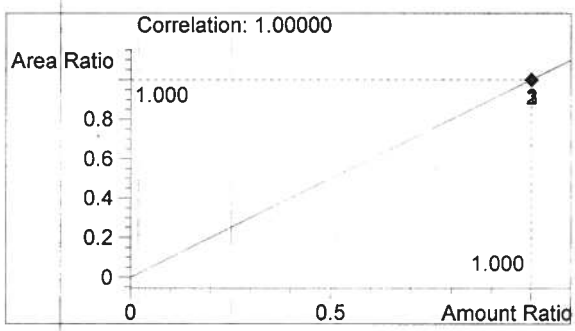


#	Compound	Area	RT
1	Ethanol	2012	1.064
2	n-Propanol	1394	1.823

Totals:



Ethanol 0.313 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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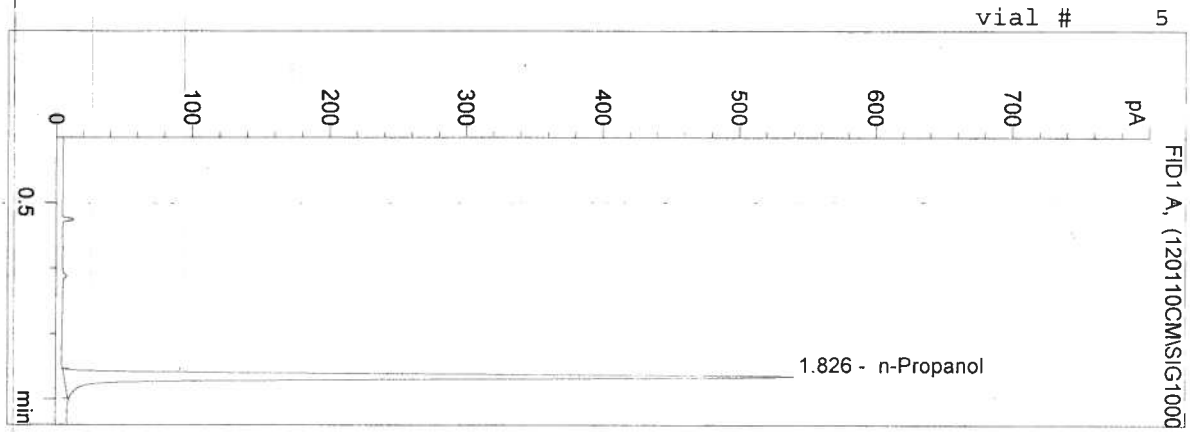
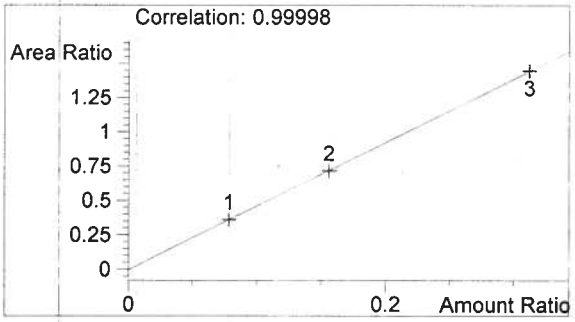
NEG CTRL-CM
Christie Mitchell Mata

vial # 5

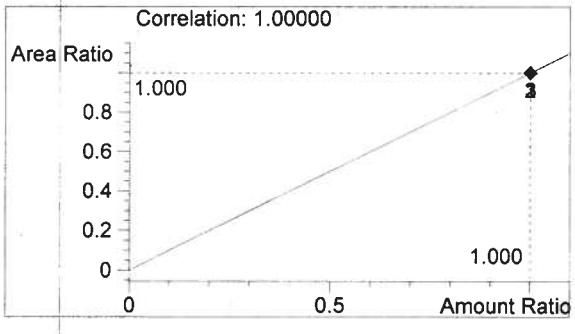


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1484	1.826

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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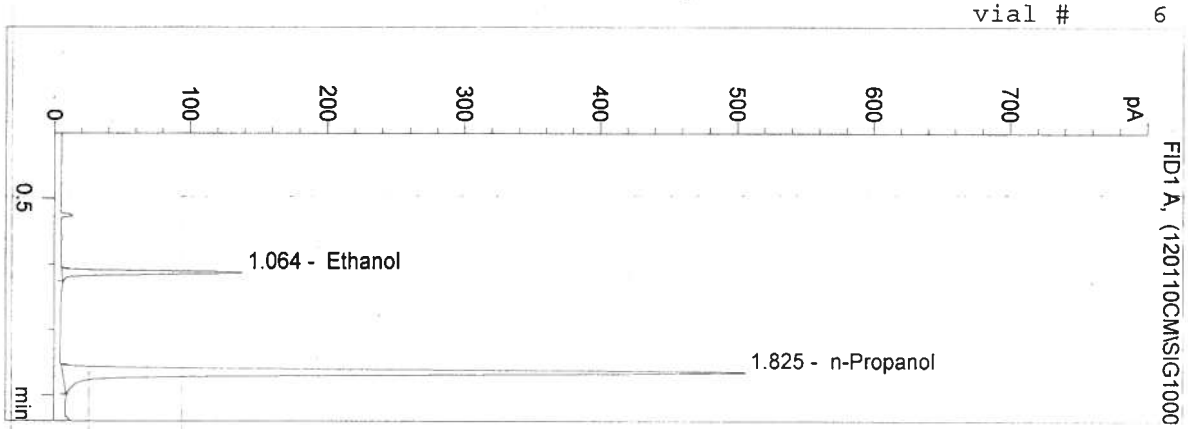
Instrument 3
DB-ALC2

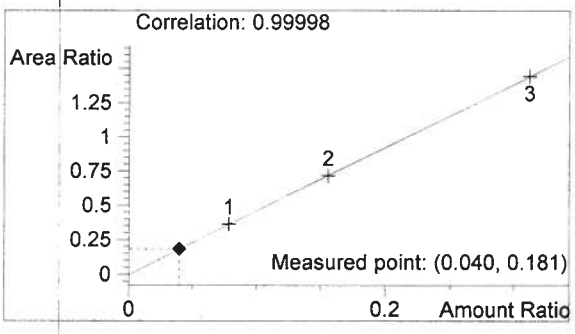
0.04 CTRL-CM
Christie Mitchell Mata

vial # 6

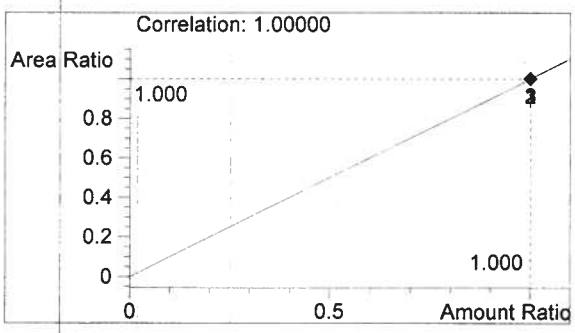


#	Compound	Area	RT
1	Ethanol	251	1.064
2	n-Propanol	1387	1.825

Totals:



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

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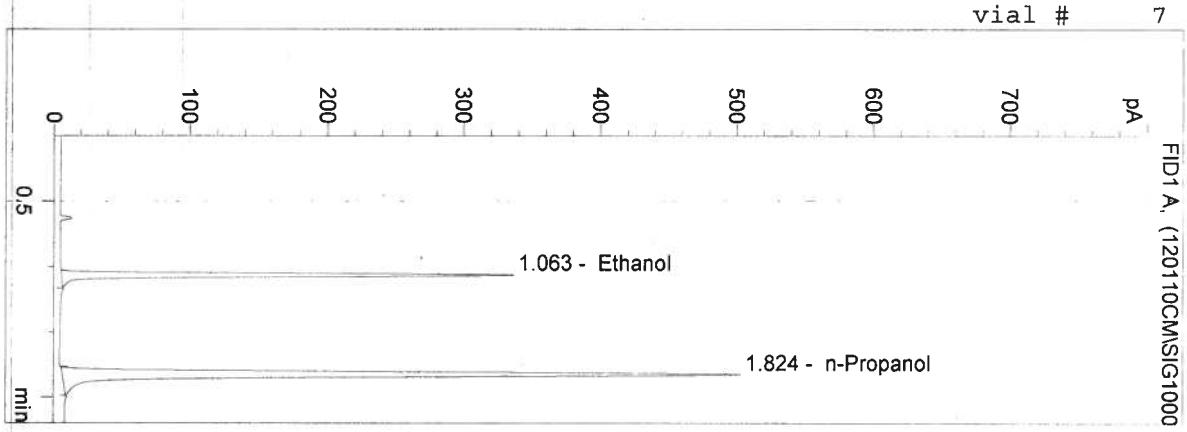
Instrument 3
DB-ALC2

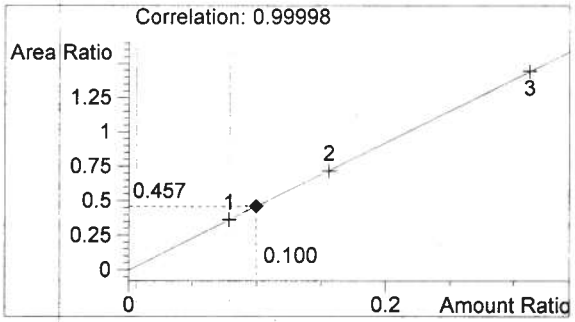
0.10 CTRL-CM
Christie Mitchell Mata

vial # 7

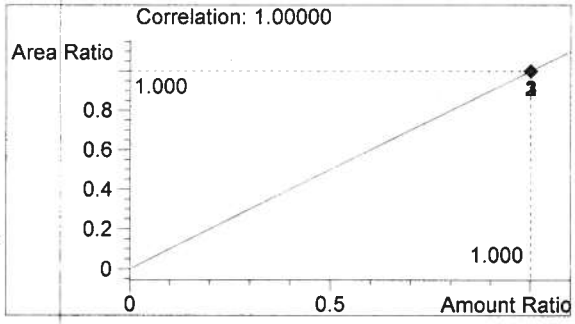


#	Compound	Area	RT
1	Ethanol	629	1.063
2	n-Propanol	1375	1.824

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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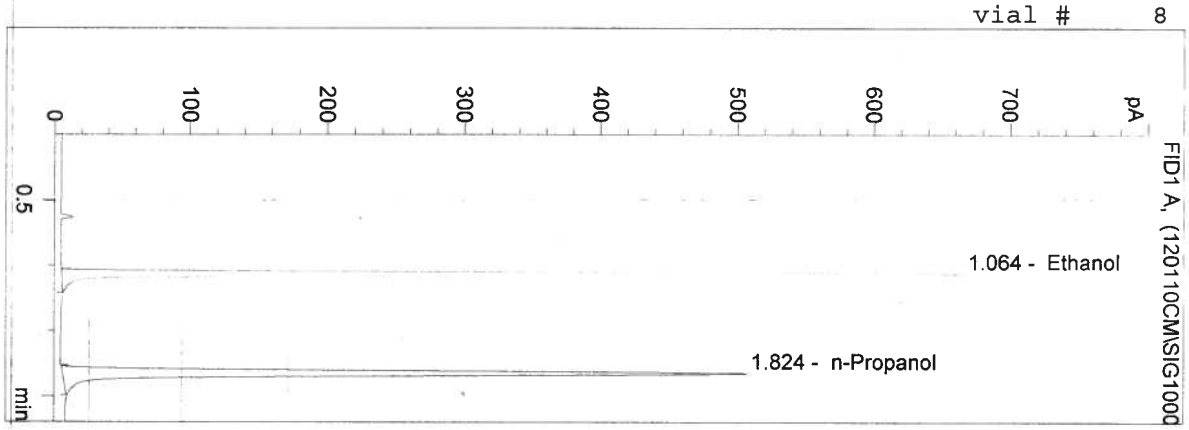
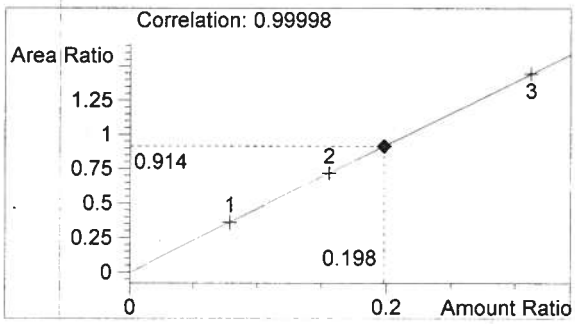
0.20 CTRL-CM
Christie Mitchell Mata

vial # 8

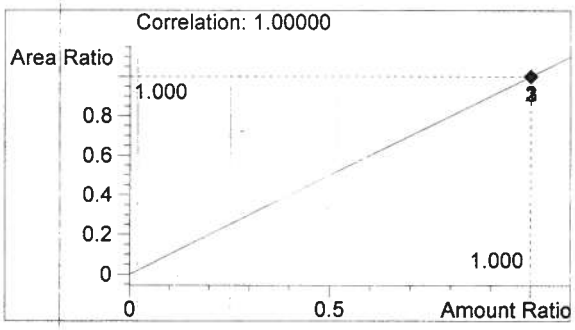


#	Compound	Area	RT
1	Ethanol	1267	1.064
2	n-Propanol	1386	1.824

Totals:



Ethanol 0.198 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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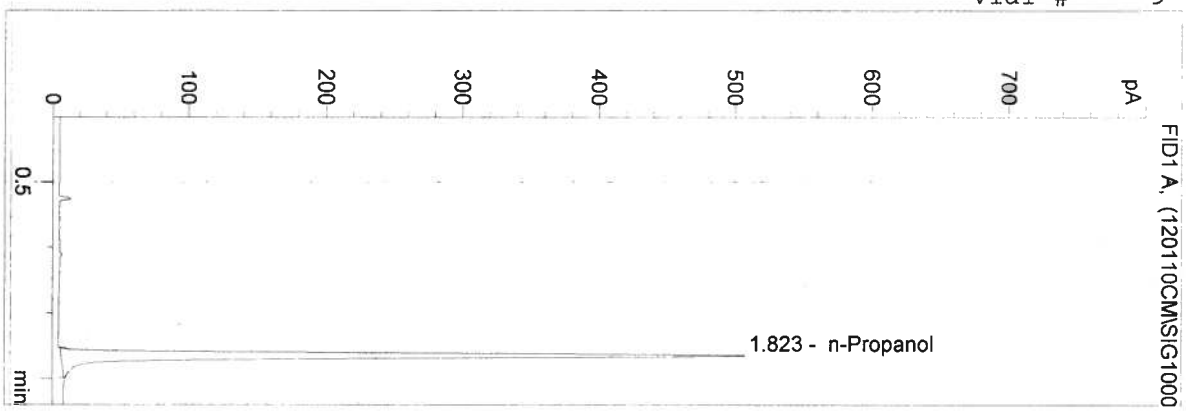
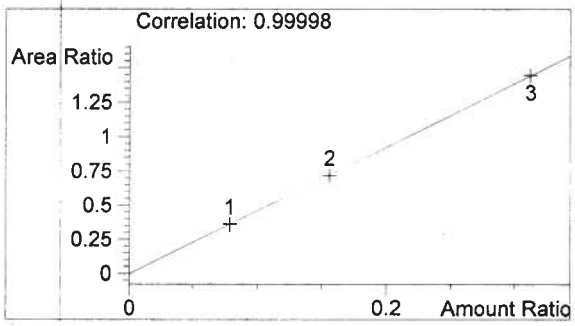
NEG CTRL-CM
Christie Mitchell Mata

vial # 9

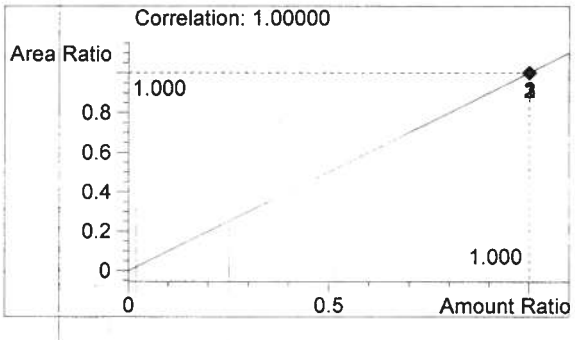


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1385	1.823

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

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Instrument 3
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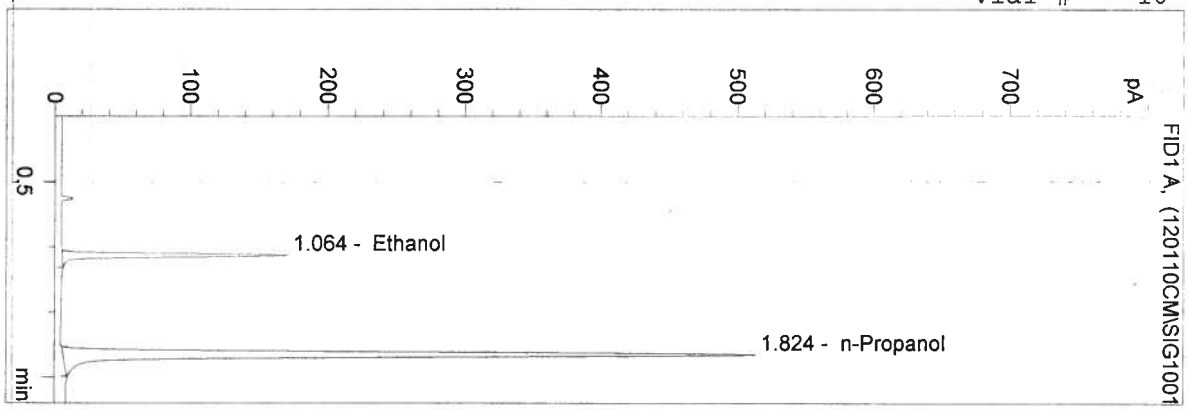
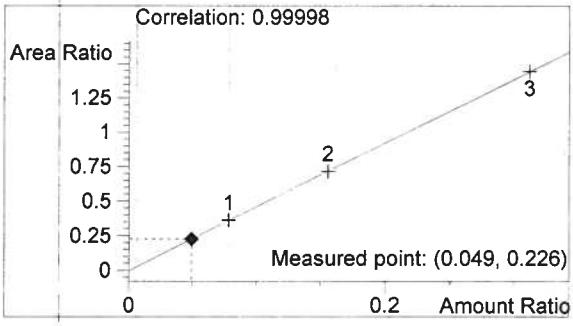
QAP 12001 #1
Christie Mitchell Mata

vial # 10

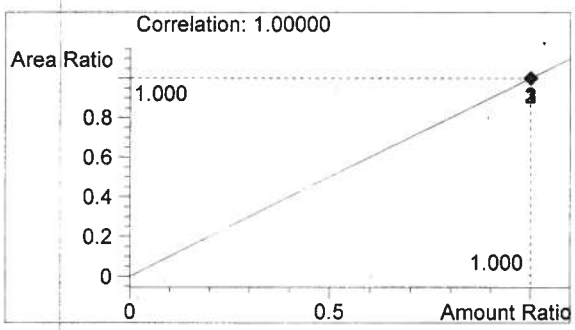


#	Compound	Area	RT
1	Ethanol	317	1.064
2	n-Propanol	1404	1.824

Totals:



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

C2

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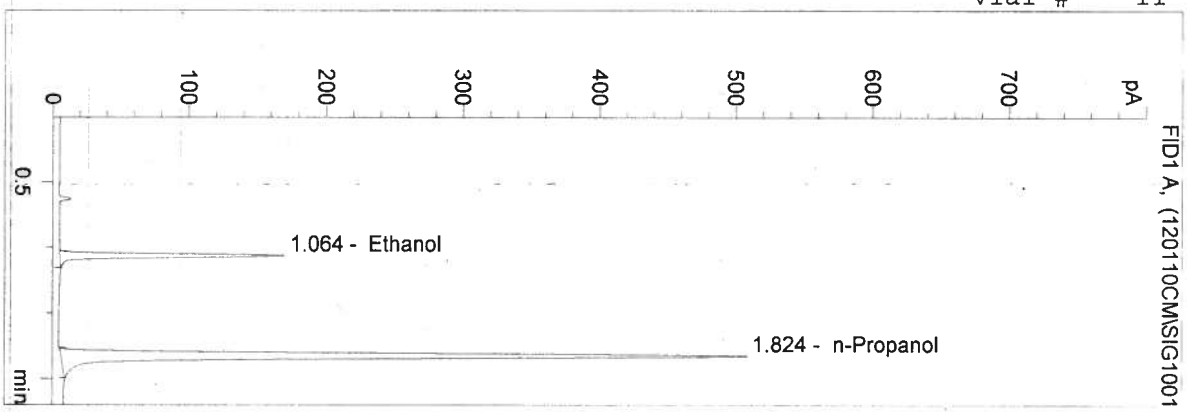
Instrument 3
DB-ALC2

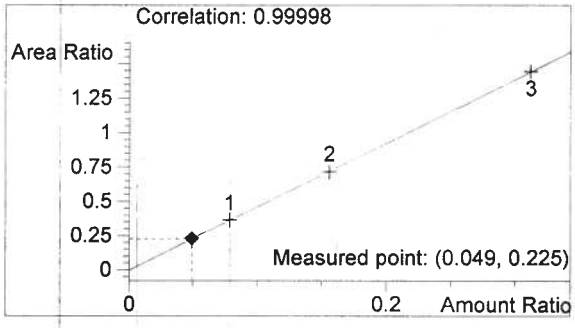
QAP 12001 #2
Christie Mitchell Mata

vial # 11

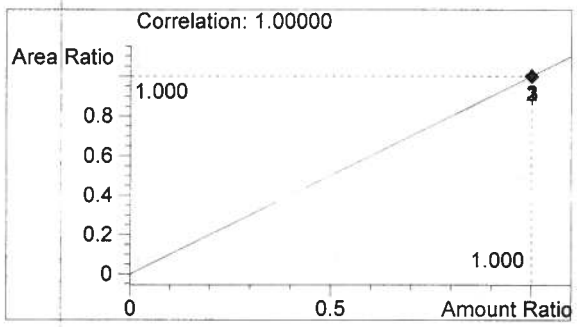


#	Compound	Area	RT
1	Ethanol	312	1.064
2	n-Propanol	1388	1.824

Totals:



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

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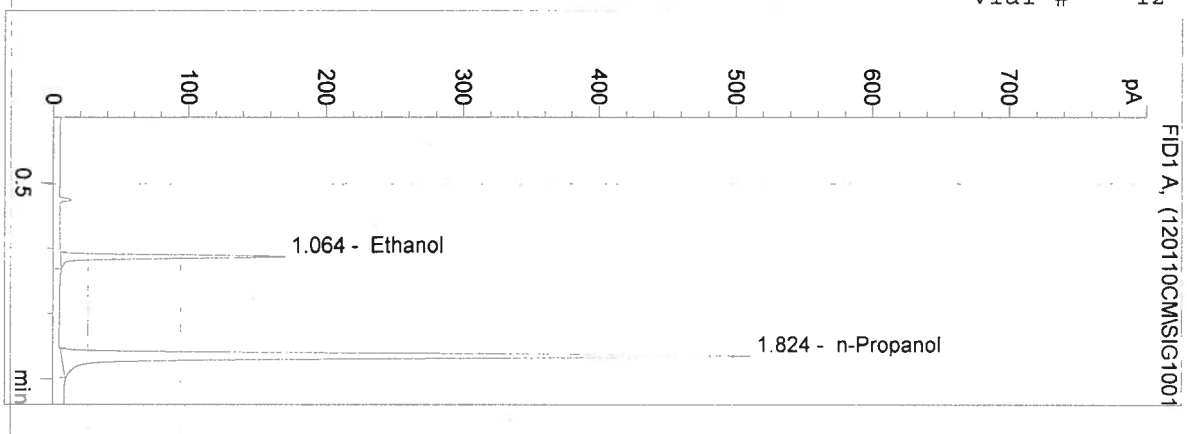
Instrument 3
DB-ALC2

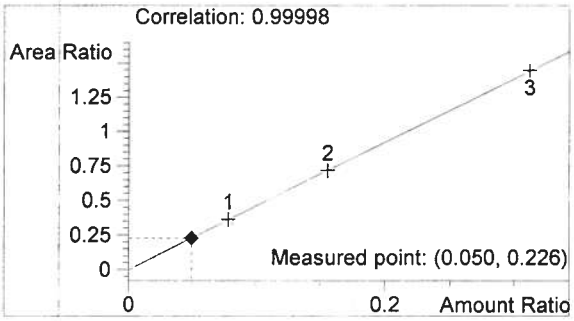
QAP 12001 #3
Christie Mitchell Mata

vial # 12

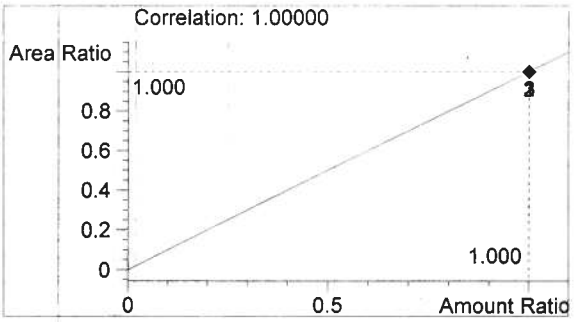


#	Compound	Area	RT
1	Ethanol	316	1.064
2	n-Propanol	1397	1.824

Totals:



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

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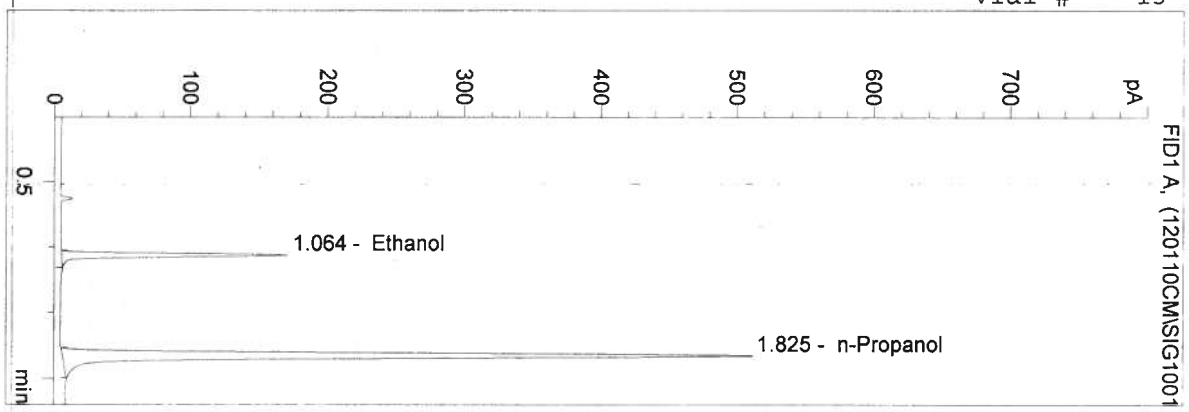
Instrument 3
DB-ALC2

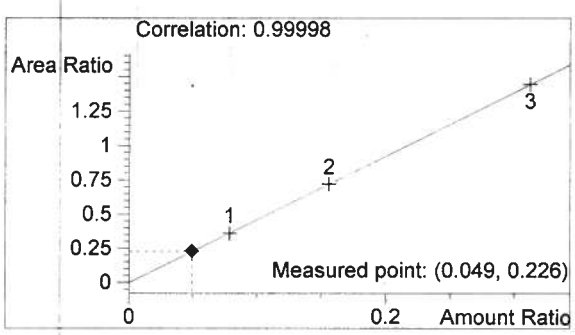
QAP 12001 #4
Christie Mitchell Mata

vial # 13

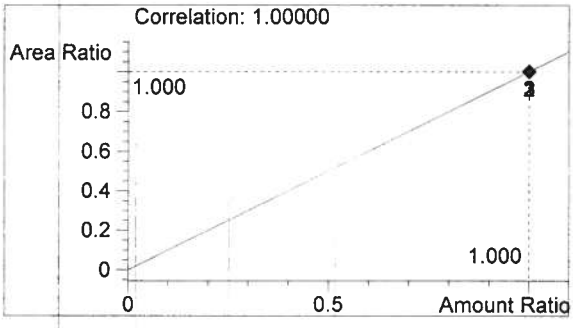


#	Compound	Area	RT
1	Ethanol	315	1.064
2	n-Propanol	1398	1.825

Totals:



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

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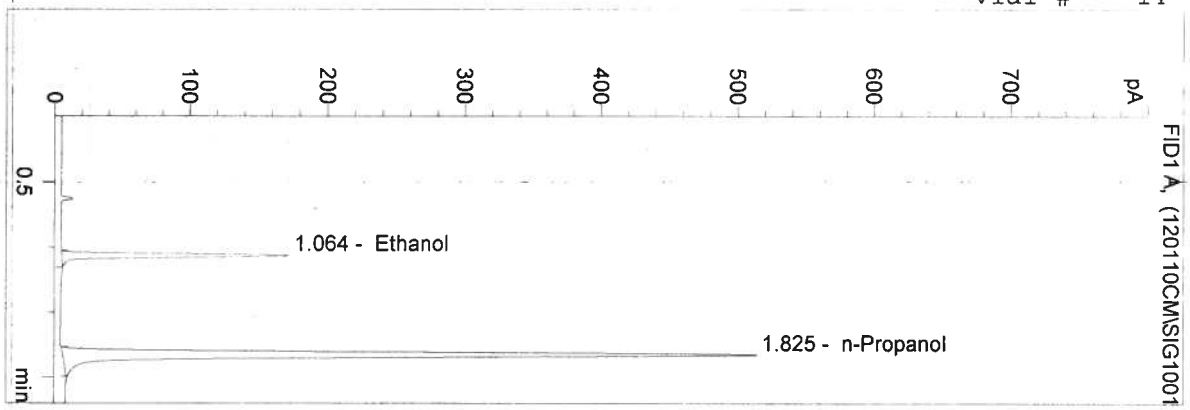
Instrument 3
DB-ALC2

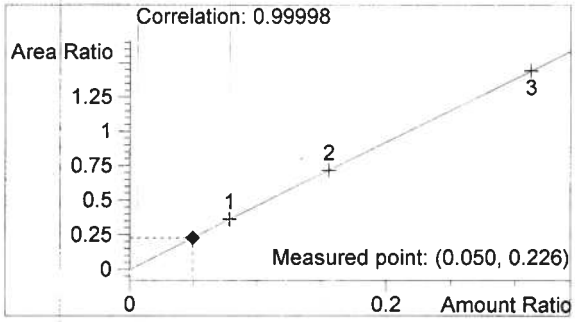
QAP 12001 #5
Christie Mitchell Mata

vial # 14

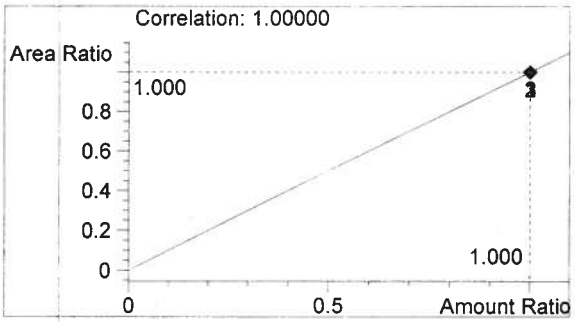


#	Compound	Area	RT
1	Ethanol	318	1.064
2	n-Propanol	1405	1.825

Totals:



Ethanol 0.050 g/100ml



n-Propanol 1.000 g/100ml

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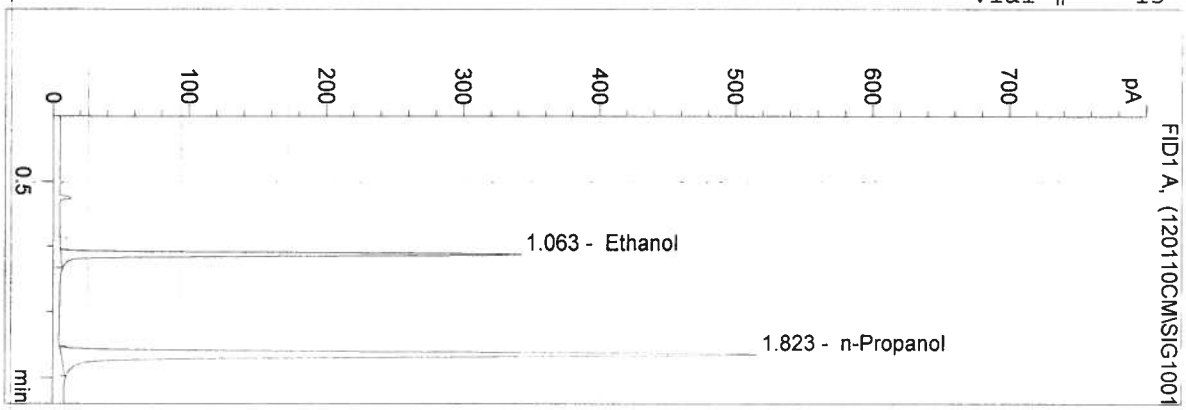
Instrument 3
DB-ALC2

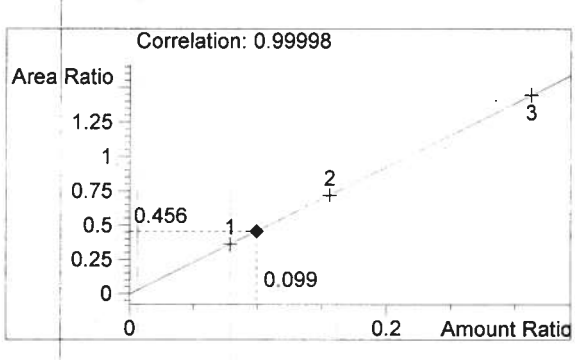
0.10 CTRL-CM
Christie Mitchell Mata

vial # 15

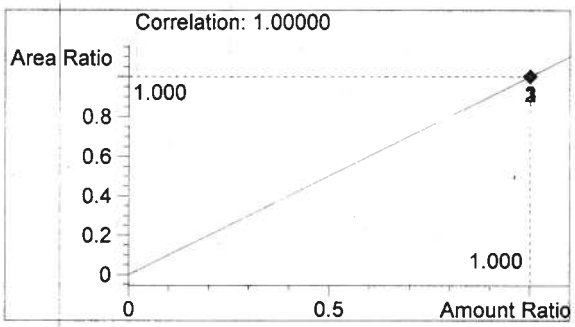


#	Compound	Area	RT
1	Ethanol	643	1.063
2	n-Propanol	1411	1.823

Totals:



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12001

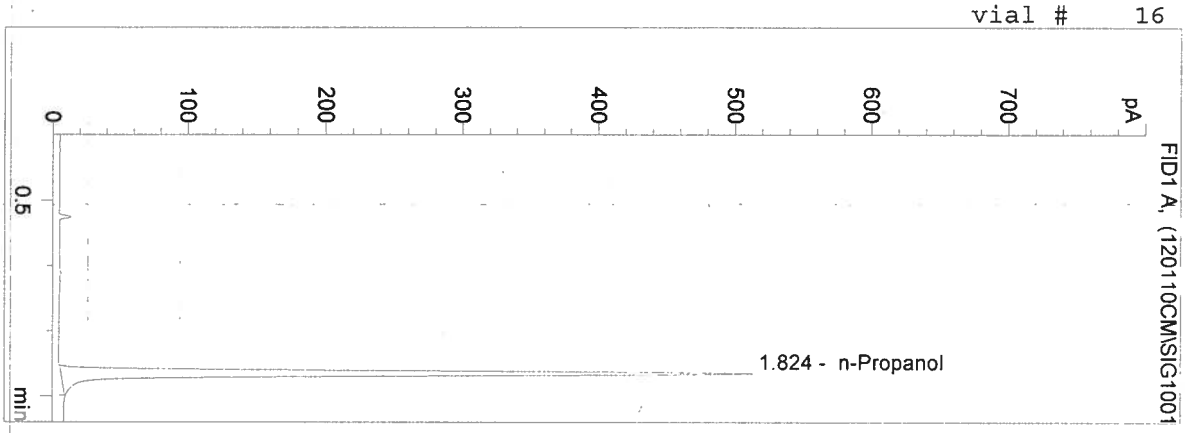
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:20:04 AM
Instrument 3
DB-ALC2

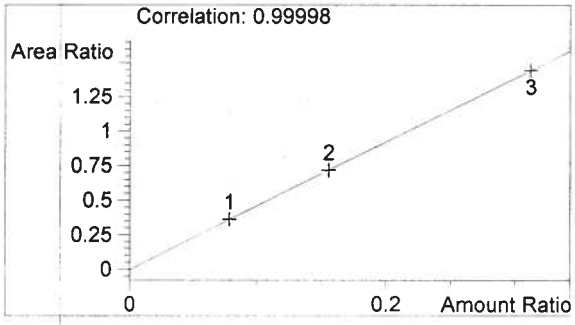
NEG CTRL-CM
Christie Mitchell Mata

vial # 16

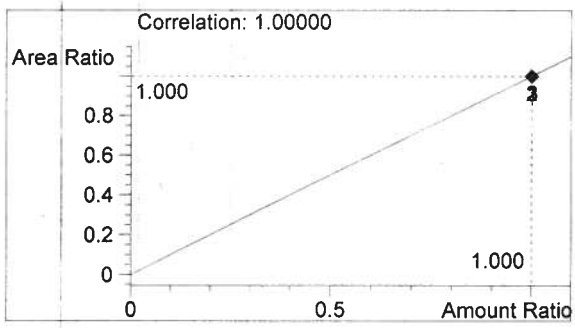


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1404	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12001

CM

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	120111RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
Ethanol Calibrator 2, E1111-02 - Exp. 02/10/12
Ethanol Calibrator 3, E1111-03 - Exp. 02/10/12

0.04 Control - Lot #A077459 - Exp. 02/2015
0.10 Control - Lot #A075806 - Exp. 11/2014
0.20 Control - Lot #A076521 - Exp. 12/2014

RF 1/11/12

Sequence Table (Front Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	
2	Vial 2	Ethanol Calibrator 1, E1111-01 - Exp. 02/10/12
3	Vial 3	Ethanol Calibrator 2, E1111-02 - Exp. 02/10/12
4	Vial 4	Ethanol Calibrator 3, E1111-03 - Exp. 02/10/12
5	Vial 5	
6	Vial 6	0.04 Control - Lot #A077459 - Exp. 02/2015
7	Vial 7	0.10 Control - Lot #A075806 - Exp. 11/2014
8	Vial 8	0.20 Control - Lot #A076521 - Exp. 12/2014
9	Vial 9	
10	Vial 10	
11	Vial 11	
12	Vial 12	
13	Vial 13	
14	Vial 14	

12001
12002
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12004

Sequence: C:\HPCHEM\2\SEQUENCE\RFQAP3.S

Line	Location	Sample Information
15	Vial 15	0.10 Control - Lot #A075806 - Exp. 11/2014
16	Vial 16	
17	Vial 17	
18	Vial 18	
19	Vial 19	
20	Vial 20	
21	Vial 21	
22	Vial 22	0.10 Control - Lot #A075806 - Exp. 11/2014
23	Vial 23	
24	Vial 24	
25	Vial 25	
26	Vial 26	
27	Vial 27	
28	Vial 28	
29	Vial 29	0.10 Control - Lot #A075806 - Exp. 11/2014
30	Vial 30	
31	Vial 31	
32	Vial 32	
33	Vial 33	
34	Vial 34	
35	Vial 35	
36	Vial 36	0.10 Control - Lot #A075806 - Exp. 11/2014
37	Vial 37	

R.F.
1/11/12

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	Neg Control-RF	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control-RF	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control-RF	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control-RF	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control-RF	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 12001 #1	SIMALC3	1	Sample		
11	Vial 11	QAP 12001 #2	SIMALC3	1	Sample		
12	Vial 12	QAP 12001 #3	SIMALC3	1	Sample		
13	Vial 13	QAP 12001 #4	SIMALC3	1	Sample		

12001
12002
12003
12004

Sequence: C:\HPCHEM\2\SEQUENCE\RFQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
14	Vial 14	QAP 12001 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control-RF	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control-RF	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 12002 #1	SIMALC3	1	Sample		
18	Vial 18	QAP 12002 #2	SIMALC3	1	Sample		
19	Vial 19	QAP 12002 #3	SIMALC3	1	Sample		
20	Vial 20	QAP 12002 #4	SIMALC3	1	Sample		
21	Vial 21	QAP 12002 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control-RF	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control-RF	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 12003 #1	SIMALC3	1	Sample		
25	Vial 25	QAP 12003 #2	SIMALC3	1	Sample		
26	Vial 26	QAP 12003 #3	SIMALC3	1	Sample		
27	Vial 27	QAP 12003 #4	SIMALC3	1	Sample		
28	Vial 28	QAP 12003 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control-RF	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control-RF	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 12004 #1	SIMALC3	1	Sample		
32	Vial 32	QAP 12004 #2	SIMALC3	1	Sample		
33	Vial 33	QAP 12004 #3	SIMALC3	1	Sample		
34	Vial 34	QAP 12004 #4	SIMALC3	1	Sample		
35	Vial 35	QAP 12004 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control-RF	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control-RF	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC3	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC3	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

RF
1/11/12

12001
12002
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12004

Calibration Table

Calib. Data Modified : Wednesday, January 11, 2012 2:14:12 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

RF 1/11/12

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

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
1.064	1	1	7.86300e-2	534.55200	1.47095e-4	1		Ethanol
		2	1.55890e-1	1013.07422	1.53878e-4			
		3	3.12180e-1	1989.09070	1.56946e-4			
1.823	1	1	1.00000	1460.40503	6.84742e-4	I1		n-Propanol
		2	1.00000	1401.51746	7.13512e-4			
		3	1.00000	1383.21655	7.22953e-4			

Peak Sum Table

No Entries in table

12001
12002
12003
12004

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Calibration Curves

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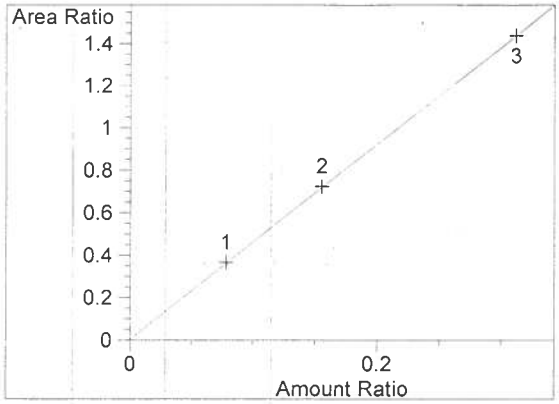
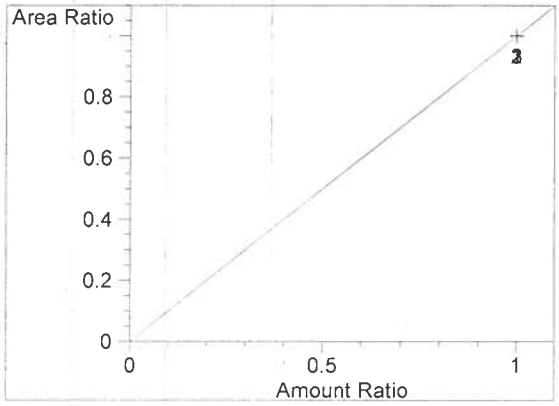


Ethanol at exp. RT: 1.064
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00304
Formula: y = mx + b
m: 4.60391
b: 2.48241e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.823
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

RF
1/11/12

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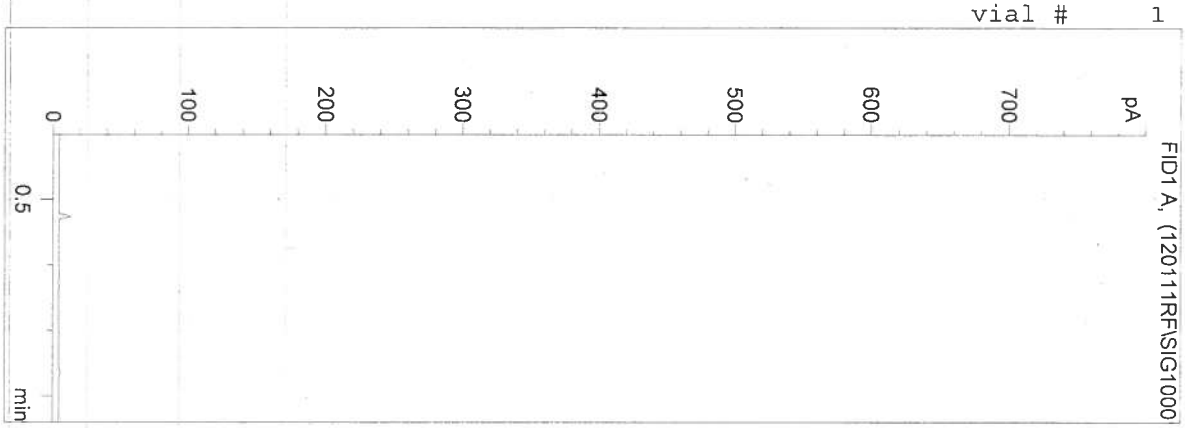
12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:02:38 PM
Instrument 3
DB-ALC2

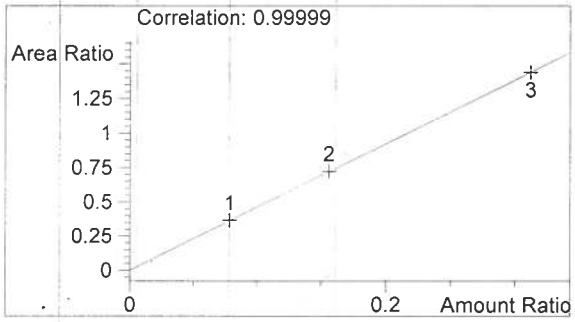
BLANK
Rebecca Flaherty

vial # 1

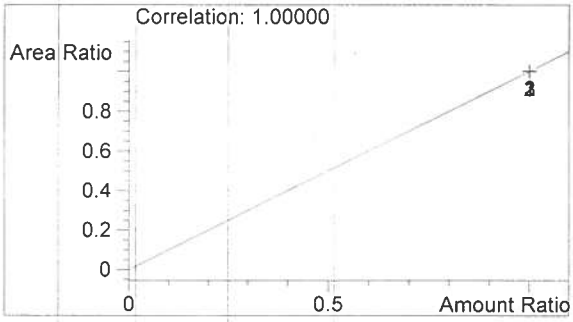


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	0	0.000
Totals:			

RF
1/11/12



Ethanol 0.000 g/100ml



n-Propanol 0.000 g/100ml

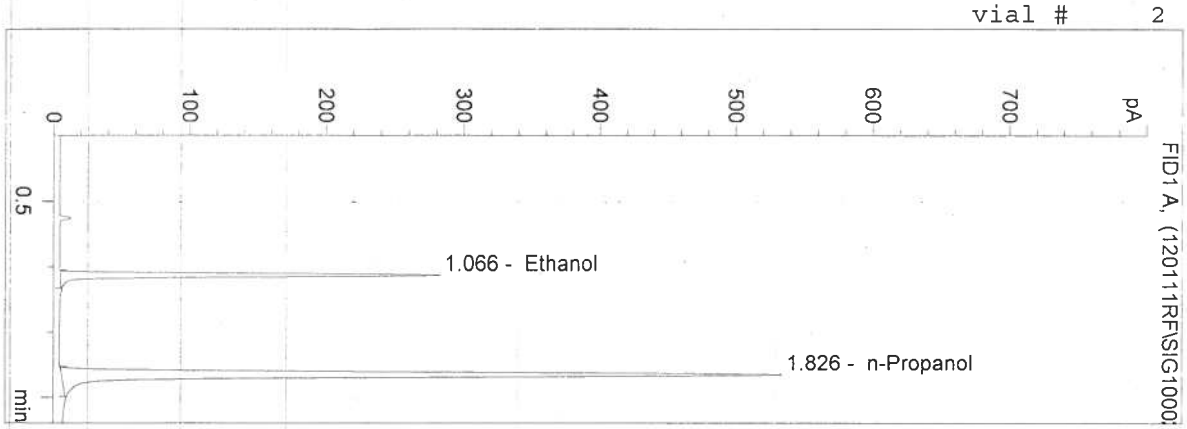
12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:05:45 PM
Instrument 3
DB-ALC2

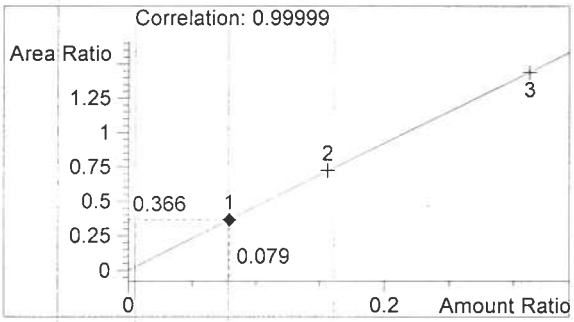
0.079 CAL 1
Rebecca Flaherty

vial # 2

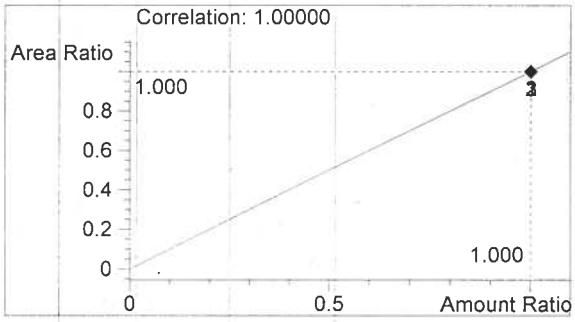


#	Compound	Area	RT
1	Ethanol	535	1.066
2	n-Propanol	1460	1.826
Totals:			

RF
1/11/12



Ethanol 0.079 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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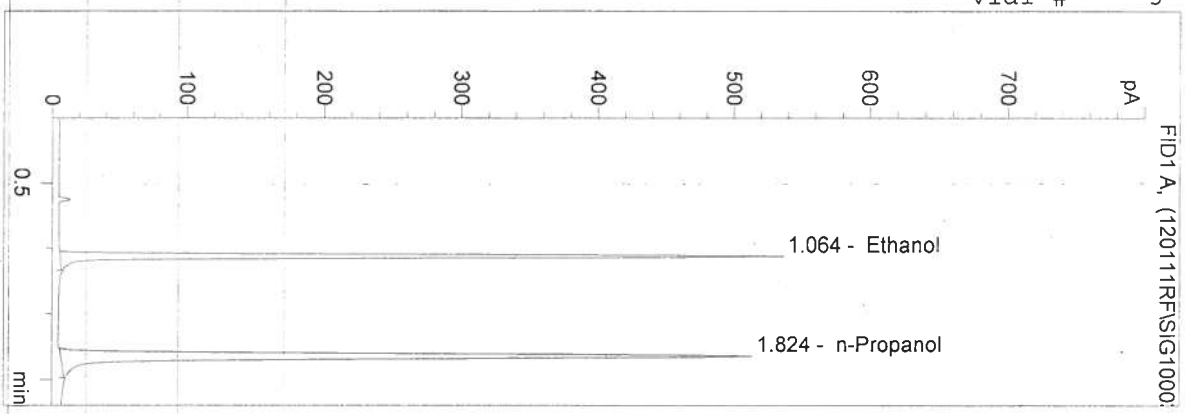
1/11/2012 2:08:52 PM
Instrument 3
DB-ALC2

0.158 CAL 2
Rebecca Flaherty

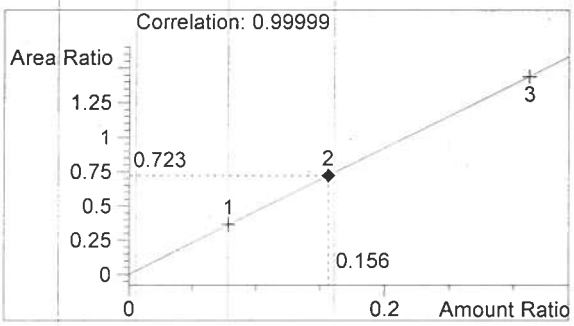
vial # 3



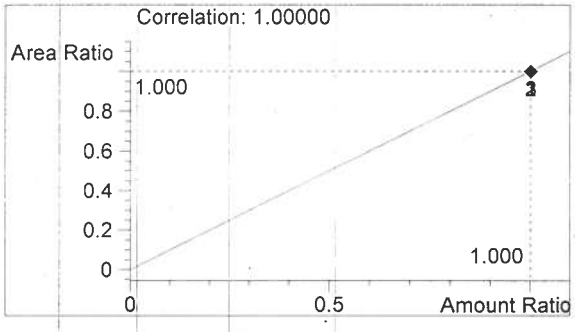
#	Compound	Area	RT
1	Ethanol	1013	1.064
2	n-Propanol	1402	1.824

Totals:

RF 1/11/12



Ethanol 0.156 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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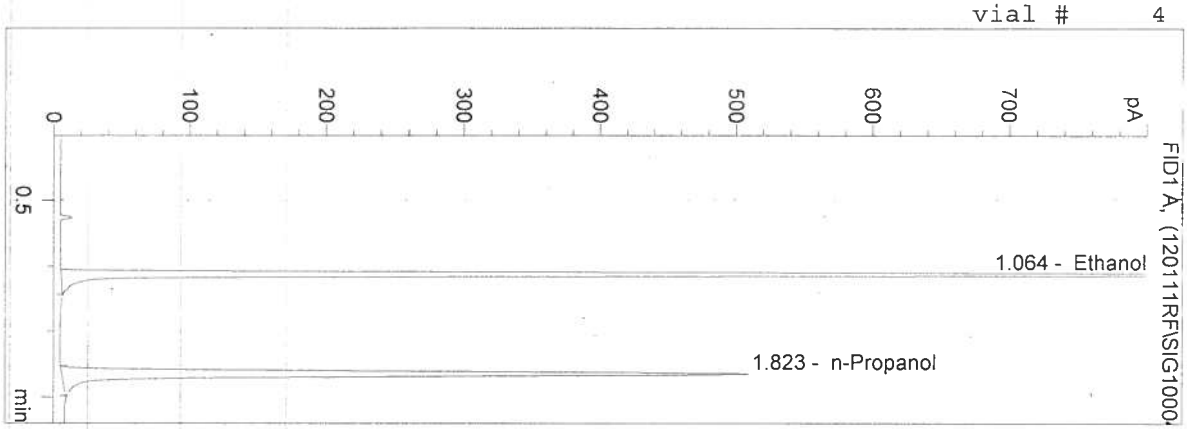
1/11/2012 2:12:00 PM
Instrument 3
DB-ALC2

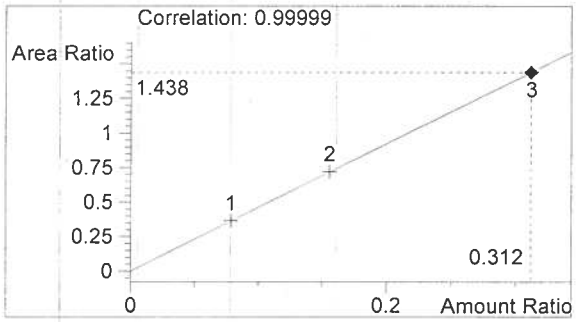
0.316 CAL 3
Rebecca Flaherty

vial # 4

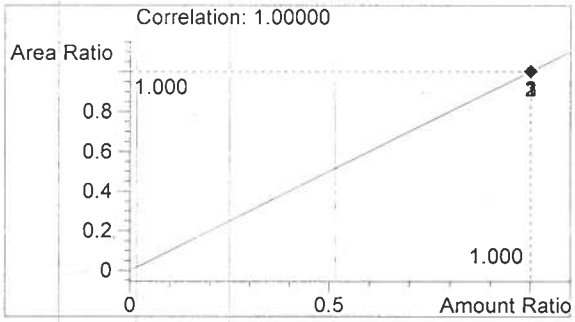


#	Compound	Area	RT
1	Ethanol	1989	1.064
2	n-Propanol	1383	1.823
Totals:			

RF
1/11/12



Ethanol 0.312 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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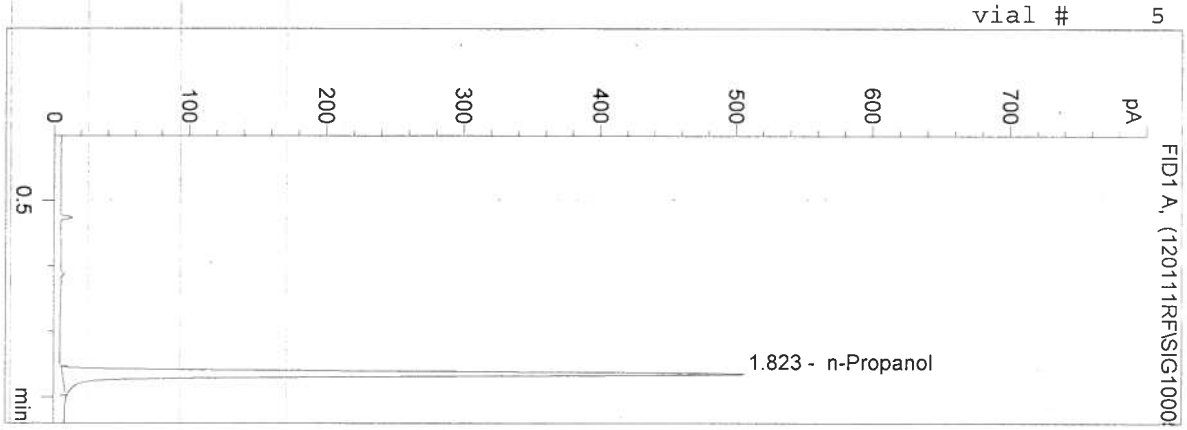
1/11/2012 2:15:07 PM
Instrument 3
DB-ALC2

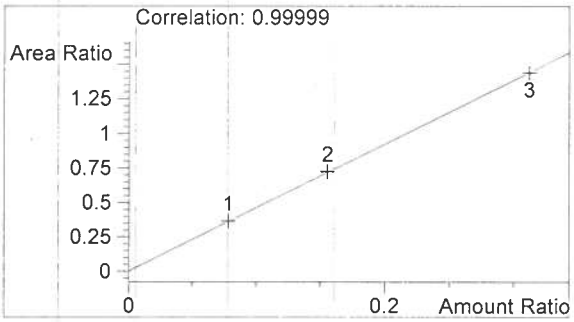
Neg Control-RF
Rebecca Flaherty

vial # 5

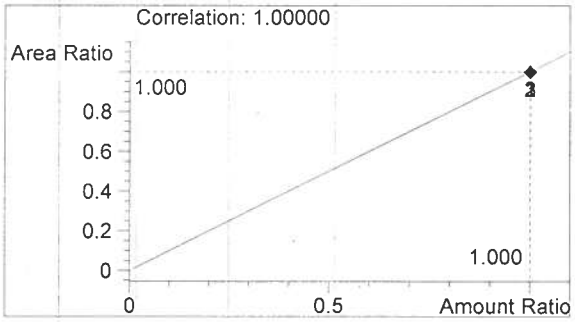


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1378	1.823
Totals:			

RF
1/11/12



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

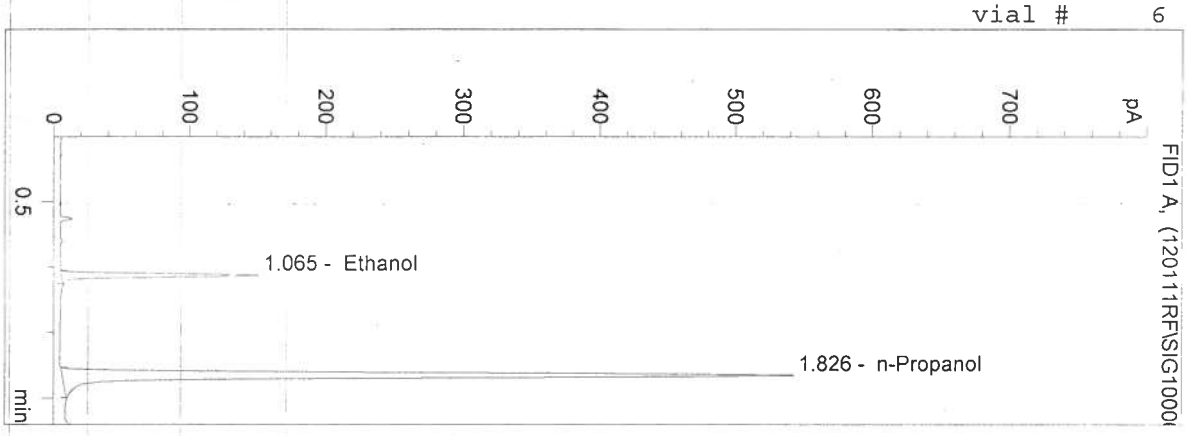
12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:18:14 PM
Instrument 3
DB-ALC2

0.04 Control-RF
Rebecca Flaherty

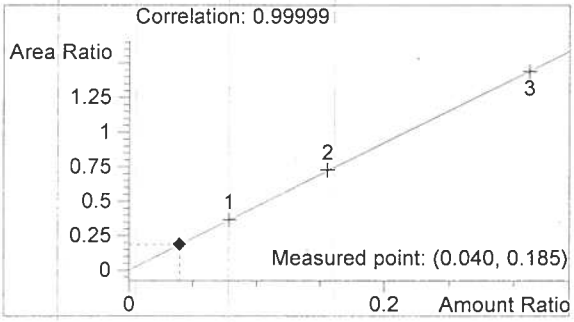
vial # 6



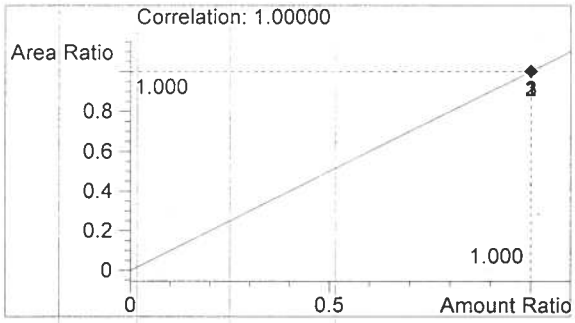
#	Compound	Area	RT
1	Ethanol	275	1.065
2	n-Propanol	1483	1.826

Totals:

RF 1/11/12



Ethanol 0.040 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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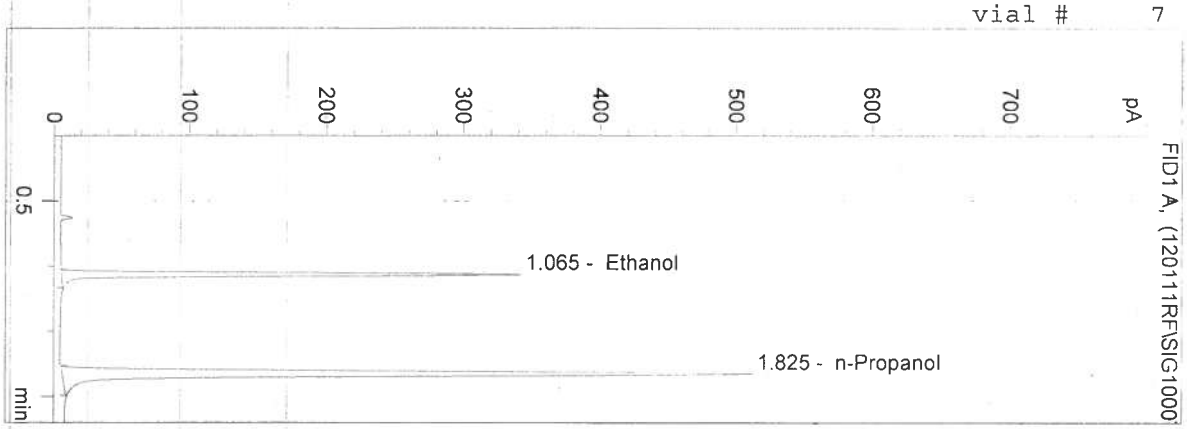
1/11/2012 2:21:21 PM
Instrument 3
DB-ALC2

0.10 Control-RF
Rebecca Flaherty

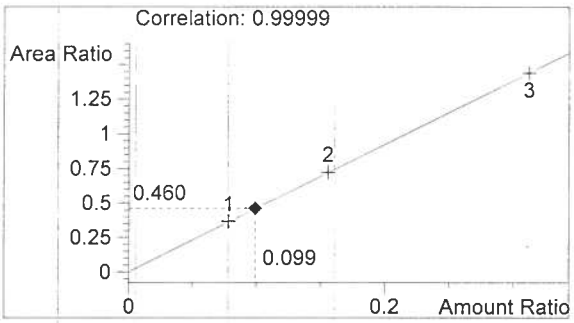
vial # 7



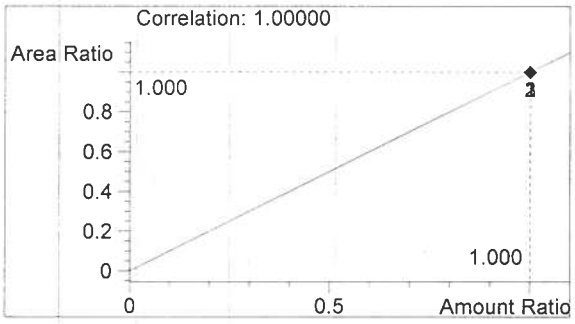
#	Compound	Area	RT
1	Ethanol	645	1.065
2	n-Propanol	1403	1.825

Totals:

RF 1/11/12



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

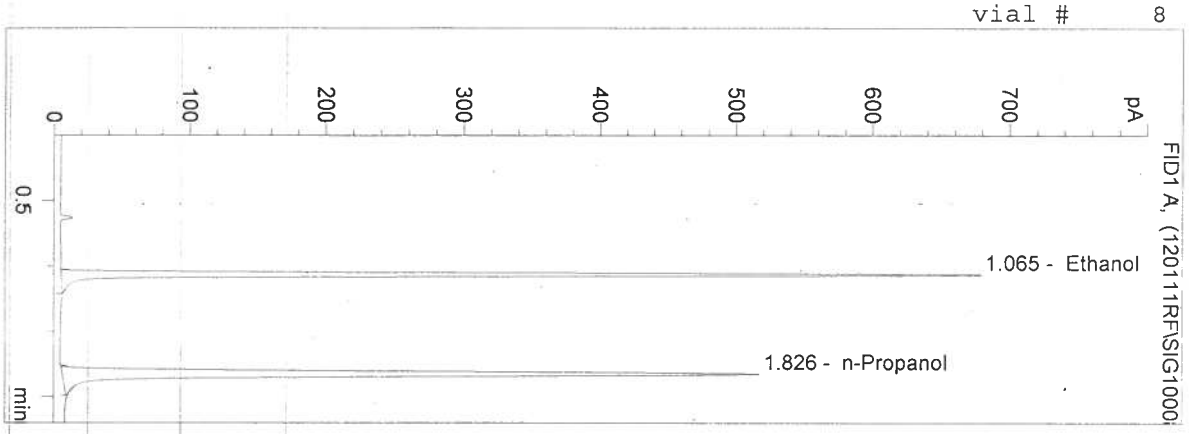
12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:24:29 PM
Instrument 3
DB-ALC2

0.20 Control-RF
Rebecca Flaherty

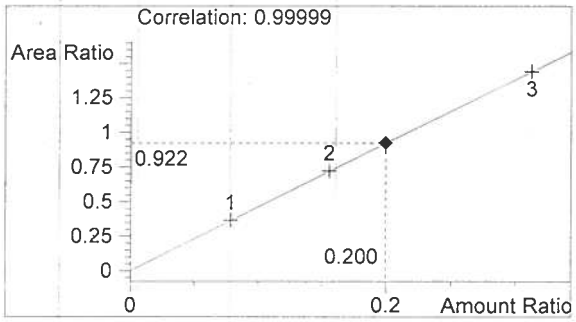
vial # 8



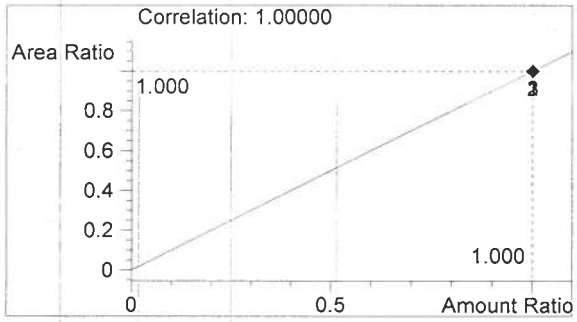
#	Compound	Area	RT
1	Ethanol	1305	1.065
2	n-Propanol	1415	1.826

Totals:

RF 1/11/12



Ethanol 0.200 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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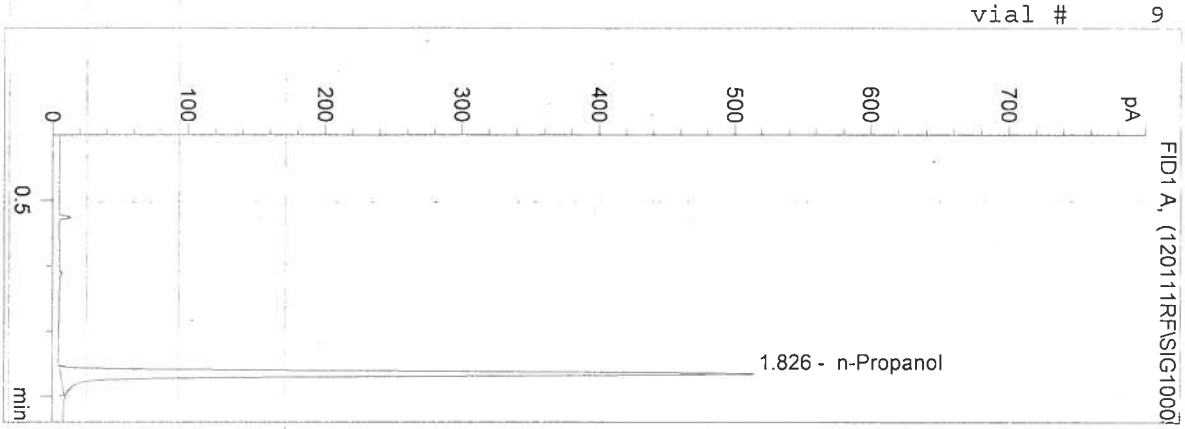
Instrument 3
DB-ALC2

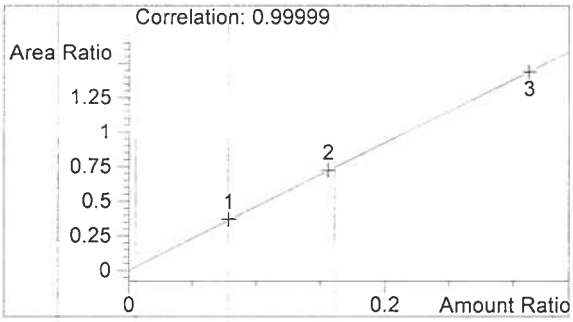
Neg Control-RF
Rebecca Flaherty

vial # 9

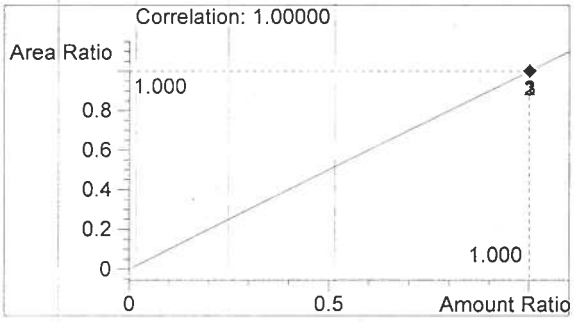


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1409	1.826
Totals:			

RF 1/11/12



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12001
12002
12003
12004

WASHINGTON STATE TOXICOLOGY LABORATORY

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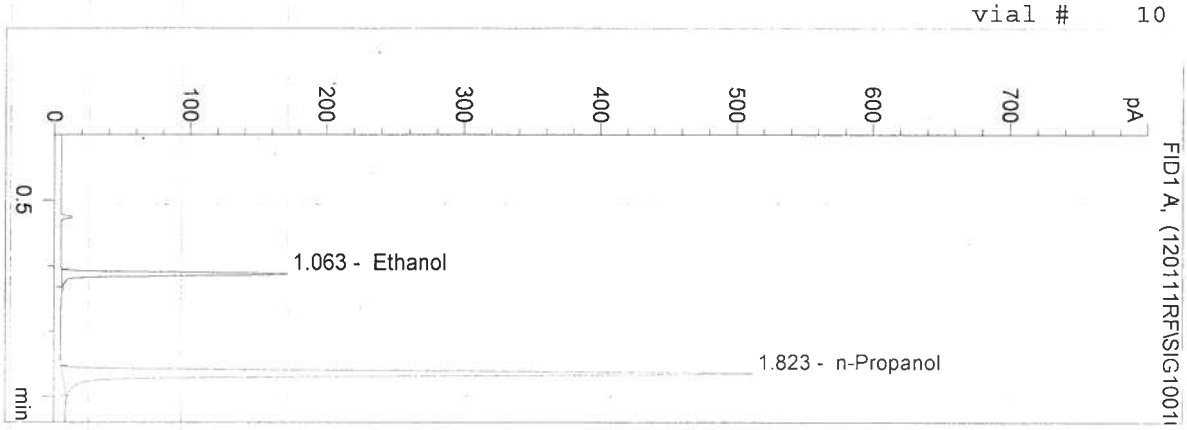
Instrument 3
DB-ALC2

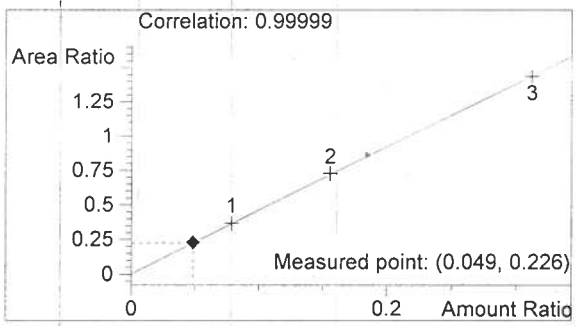
QAP 12001 #1
Rebecca Flaherty

vial # 10

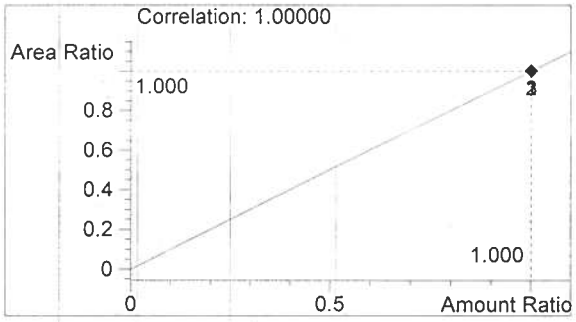


#	Compound	Area	RT
1	Ethanol	317	1.063
2	n-Propanol	1402	1.823
Totals:			

RF
1/11/12



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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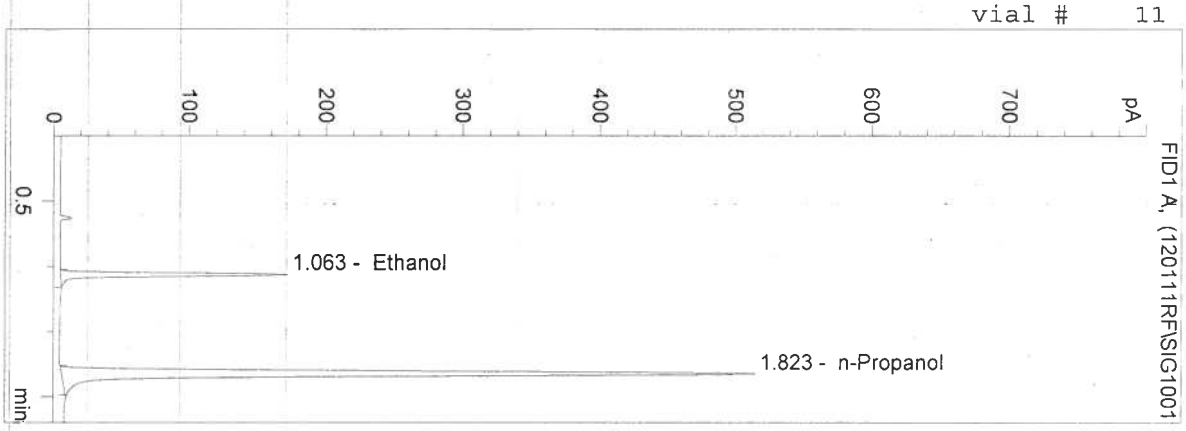
Instrument 3
DB-ALC2

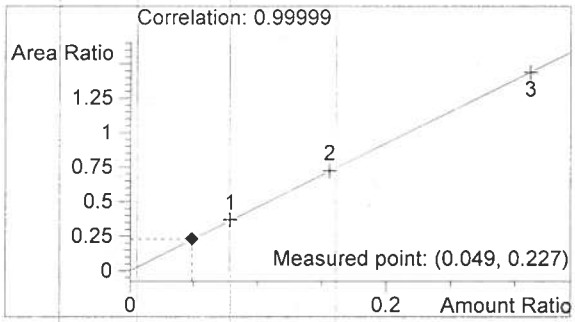
QAP 12001 #2
Rebecca Flaherty

vial # 11

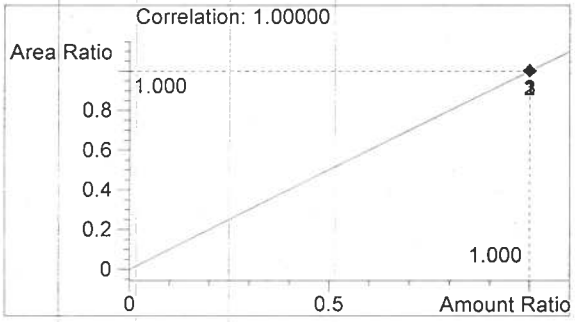


#	Compound	Area	RT
1	Ethanol	320	1.063
2	n-Propanol	1412	1.823
Totals:			

RF
1/11/12



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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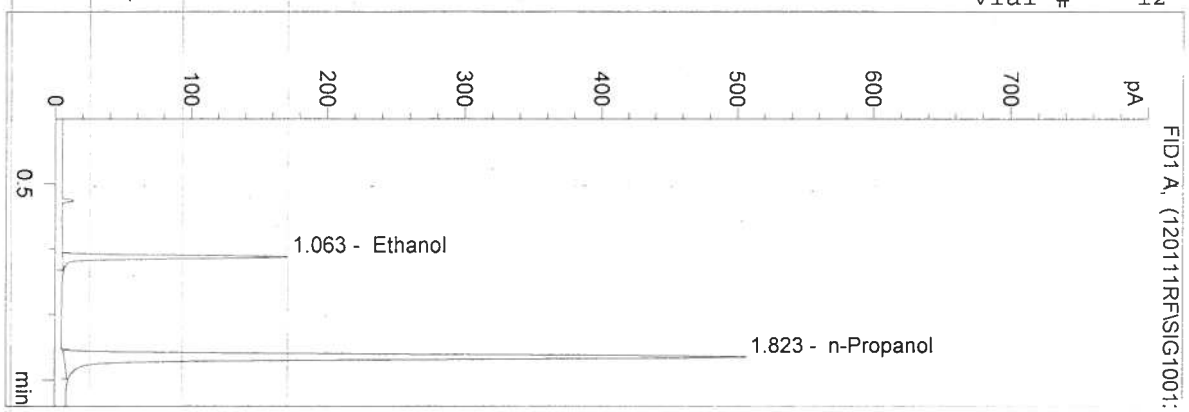
Instrument 3
DB-ALC2

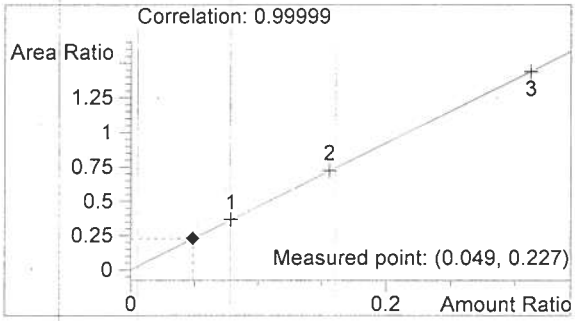
QAP 12001 #3
Rebecca Flaherty

vial # 12

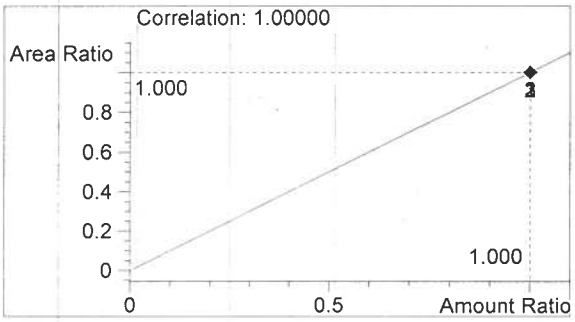


#	Compound	Area	RT
1	Ethanol	313	1.063
2	n-Propanol	1379	1.823
Totals:			

RF 1/11/12



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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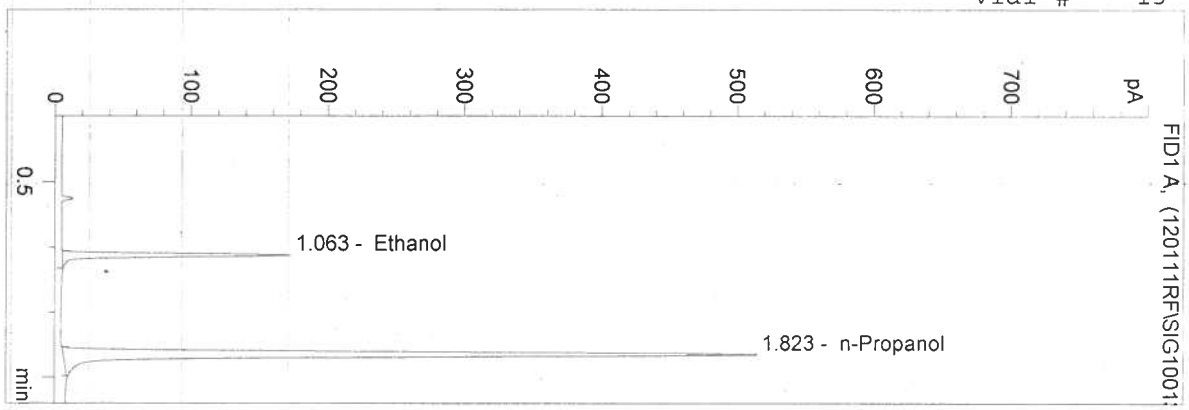
Instrument 3
DB-ALC2

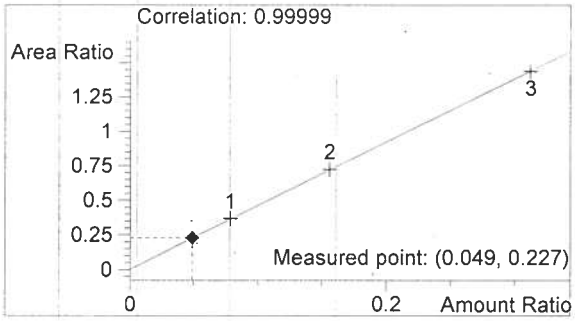
QAP 12001 #4
Rebecca Flaherty

vial # 13

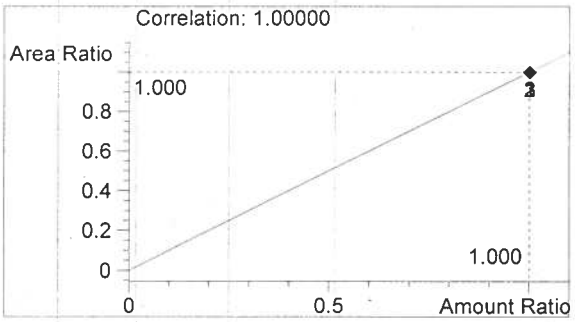


#	Compound	Area	RT
1	Ethanol	319	1.063
2	n-Propanol	1404	1.823
Totals:			

RE
1/11/12



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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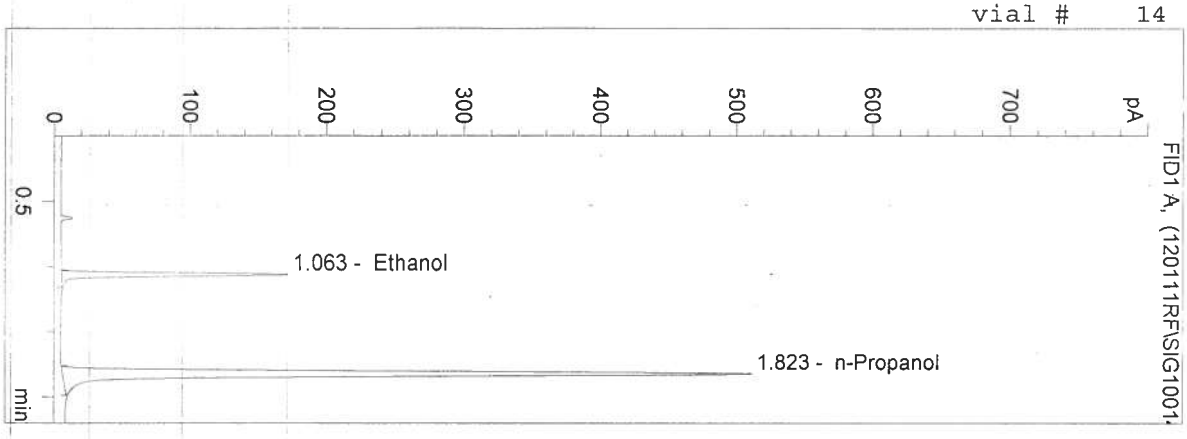
Instrument 3
DB-ALC2

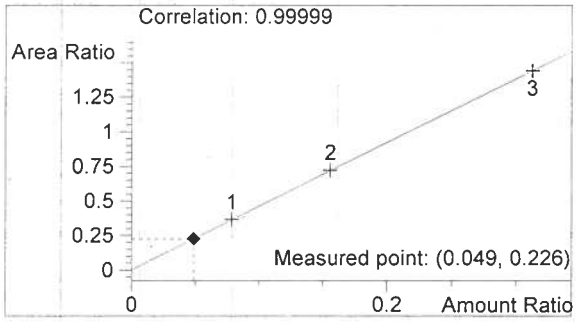
QAP 12001 #5
Rebecca Flaherty

vial # 14

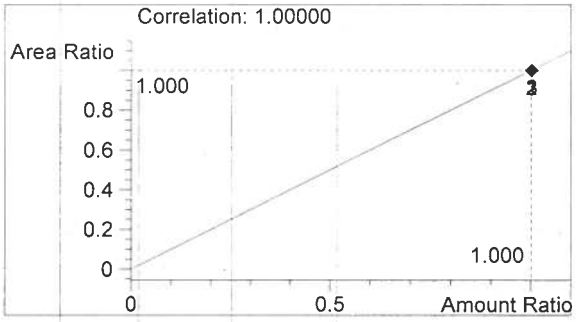


#	Compound	Area	RT
1	Ethanol	316	1.063
2	n-Propanol	1394	1.823
Totals:			

RF 1/11/12



Ethanol 0.049 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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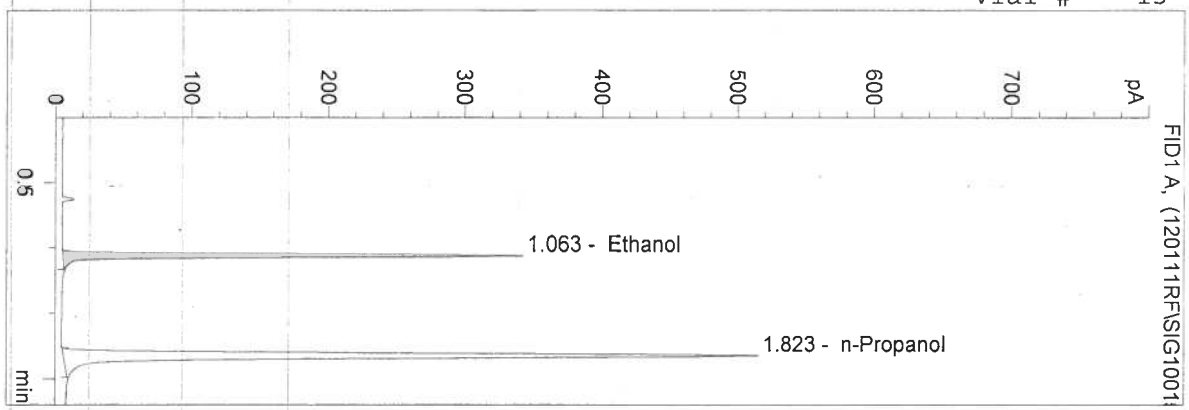
Instrument 3
DB-ALC2

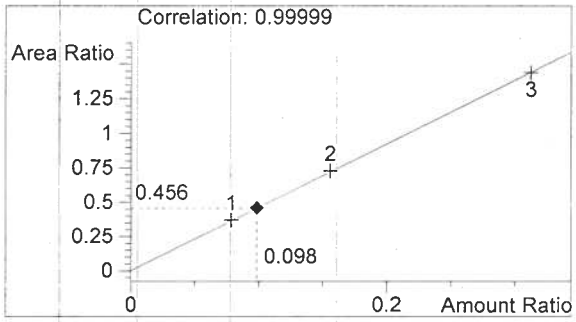
0.10 Control-RF
Rebecca Flaherty

vial # 15

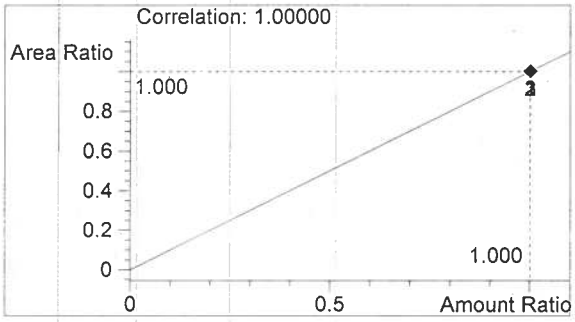


#	Compound	Area	RT
1	Ethanol	640	1.063
2	n-Propanol	1405	1.823
Totals:			

RF
1/11/12



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

12001

WASHINGTON STATE TOXICOLOGY LABORATORY

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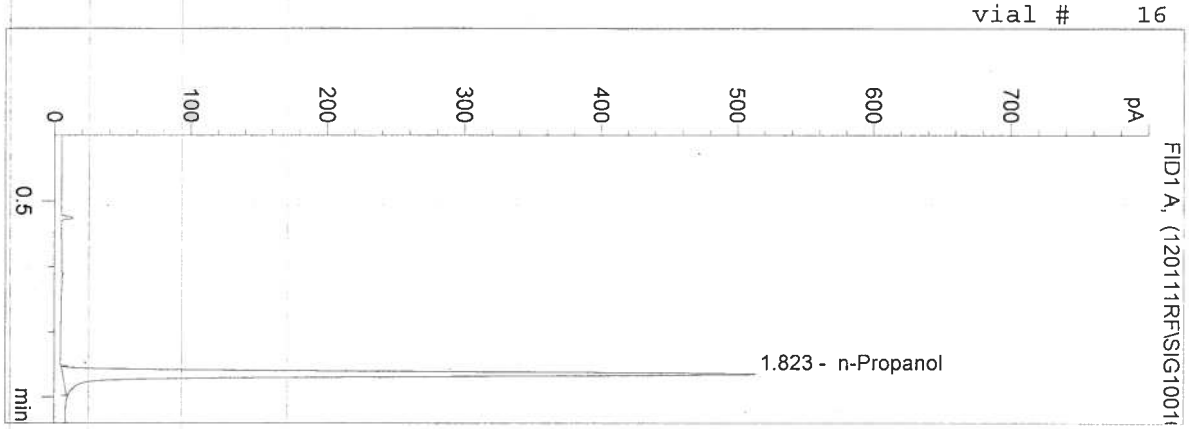
Instrument 3
DB-ALC2

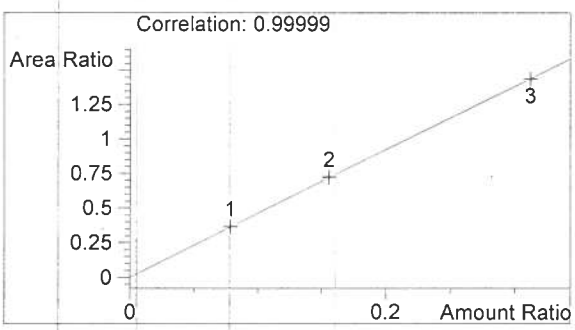
Neg Control-RF
Rebecca Flaherty

vial # 16

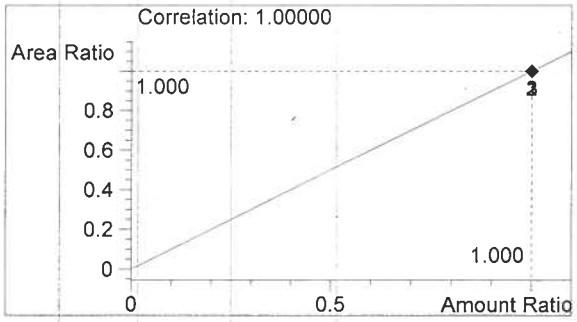


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1399	1.823
Totals:			

RF 1/11/12



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12001

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: Jan 5, 2012 Initials of Preparer: NN

Expiration Date: Jan 5, 2013

Lot # of 200-proof Ethanol used in preparation: ZW0039

Date the 200-proof Ethanol bottle was opened: 11-14-11

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	12001
QAP 0.08	22.4	18	☑	12002
QAP 0.10	28.1	18	☑	12003
QAP 0.15	42.0	18	☑	12004
ESS	66.5	52	☐	

Stir bar is rotating	☑	
Stirred for minimum 30 minutes; 2 hours for ESS	☑	
Spigot purged	☑	
Aliquot taken	☑	
Batch labeled, packaged and sealed	☑	Jan 6, 2012 Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Analyst Signature

Jan 6, 2012
Date