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

An ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 10062

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: 12/29/2010
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Dawn Cox

	DC	AJL	CM
1	0.048	0.047	0.047
2	0.049	0.047	0.048
3	0.049	0.048	0.047
4	0.049	0.047	0.047
5	0.049	0.047	0.048
C	0.100	0.100	0.099

ETHANOL CONTROL INFORMATION
LOT NUMBER: A071132 EXPIRATION: 03/2014 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0478 g/100mL
STANDARD DEVIATION: 0.00086
PRECISION CV (%): 1.80
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0389 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0005 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton — FS-5 — 1-24-2011
Melissa L. Pemberton — Forensic Scientist Supervisor — DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
DC	Dawn Cox	Dawn Cox	12/29/2010
AJL	Asa J. Louis		12/29/2010
CM	Christie Mitchell	Christie Mitchell	01/04/2011

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 #: 10062 **Date Prepared:** 12/29/2010

Analyst:	DC	AJL	CM
Date Tested:	12/29/2010	12/29/2010	1/4/2011
Instrument:	HS#3	HS#3	HS#3
1	0.048	0.047	0.047
2	0.049	0.047	0.048
3	0.049	0.048	0.047
4	0.049	0.047	0.047
5	0.049	0.047	0.048
C	0.100	0.100	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000216750	0.0000111856	0.0001016326

Ethanol Control Lot #: A071132
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0478 g/100mL
Standard Deviation: 0.00086 g/100mL
Precision CV (%): 1.80
Equivalent Vapor Concentration: 0.0389 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 1-7-2011
Name Signature Date

Calculations verified by: Jason Skleroy [signature] 1-13-11
Name Signature Date

Method: Hand Calculator

Tech. review performed by: Melissa L. Pemberton [signature] 1-24-2011
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: JASON SKLEROV Date: 01/18/11

Location: WSP-FLSB, SEATTLE, WA Solution Batch Number: 10062

	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: 01/18/11

Reviewer Signature: N/A JMS 1-18-11 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	AL	20110107
Brian Capron		
Brianna Peterson		
Brianne O'Reilly		
Brittany Ball		
Christie Mitchell	CM	1/7/2011
Christopher Johnston		
Dawn Cox	DC	1/7/11
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 10062

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 10062

I, Dawn Cox, 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 in Forensic Chemistry.

The qap solution, Lot Number 10062, was prepared in the Washington State Toxicology Laboratory on 12/29/2010. 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 12/29/2011.

Seattle, WA

1/7/11

Dawn Cox — Date

Forensic Toxicologist

DC/ik

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 10062

I, Asa J. Louis, 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: B.S. degree in Biochemistry and over ten years of toxicology experience.

The qap solution, Lot Number 10062, was prepared in the Washington State Toxicology Laboratory on 12/29/2010. 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 12/29/2011.

Seattle, WA

2011 01 07

Asa J. Louis Date
Forensic Toxicologist

AJL/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 10062

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 qap solution, Lot Number 10062, was prepared in the Washington State Toxicology Laboratory on 12/29/2010. 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 12/29/2011.

Seattle, WA

Christie Mitchell 1/7/2011

Christie Mitchell Date

Forensic Toxicologist

CM/ik

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

Sequence Parameters:

Operator:	Dawn Cox
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:	101229DC
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 # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Calibration filed with Batch 100062

Sequence Table (Front Injector):

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 - DC	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - DC	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - DC	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL -DC	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL - DC	SIMALC3	1	Ctrl Samp		
10	Vial 10	10062 #1	SIMALC3	1	Sample		
11	Vial 11	10062 #2	SIMALC3	1	Sample		
12	Vial 12	10062 #3	SIMALC3	1	Sample		
13	Vial 13	10062 #4	SIMALC3	1	Sample		
14	Vial 14	10062 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL - DC	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL - DC	SIMALC3	1	Ctrl Samp		
17	Vial 17	10063 #1	SIMALC3	1	Sample		
18	Vial 18	10063 #2	SIMALC3	1	Sample		
19	Vial 19	10063 #3	SIMALC3	1	Sample		
20	Vial 20	10063 #4	SIMALC3	1	Sample		
21	Vial 21	10063 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 CTRL - DC	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL - DC	SIMALC3	1	Ctrl Samp		
24	Vial 24	10064 #1	SIMALC3	1	Sample		
25	Vial 25	10064 #2	SIMALC3	1	Sample		
26	Vial 26	10064 #3	SIMALC3	1	Sample		
27	Vial 27	10064 #4	SIMALC3	1	Sample		
28	Vial 28	10064 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 CTRL - DC	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL - DC	SIMALC3	1	Ctrl Samp		
31	Vial 31	10065 #1	SIMALC3	1	Sample		
32	Vial 32	10065 #2	SIMALC3	1	Sample		

10062
10063
10064
10065

DC

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	10065 #3	SIMALC3	1	Sample		
34	Vial 34	10065 #4	SIMALC3	1	Sample		
35	Vial 35	10065 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 CTRL - DC	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL - DC	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!

10062

10063
10064

10065

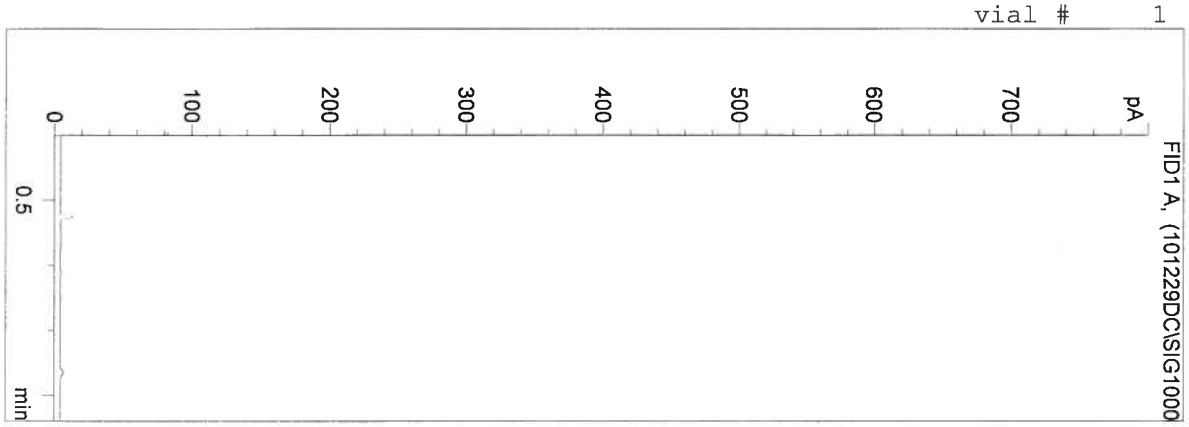
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:24:48 PM
Instrument 3
db-alc2

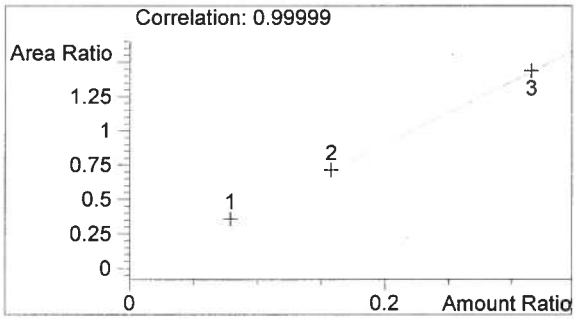
BLANK
Dawn Cox

vial # 1

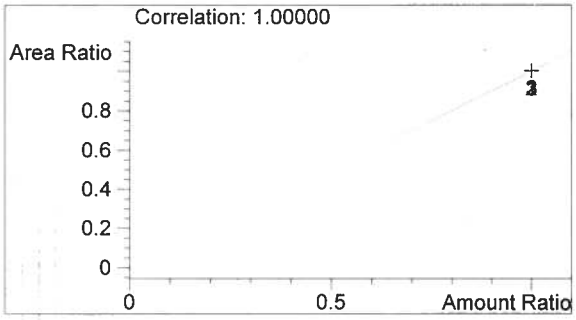


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

10062

10063
10064
10065

DC

WASHINGTON STATE TOXICOLOGY LABORATORY

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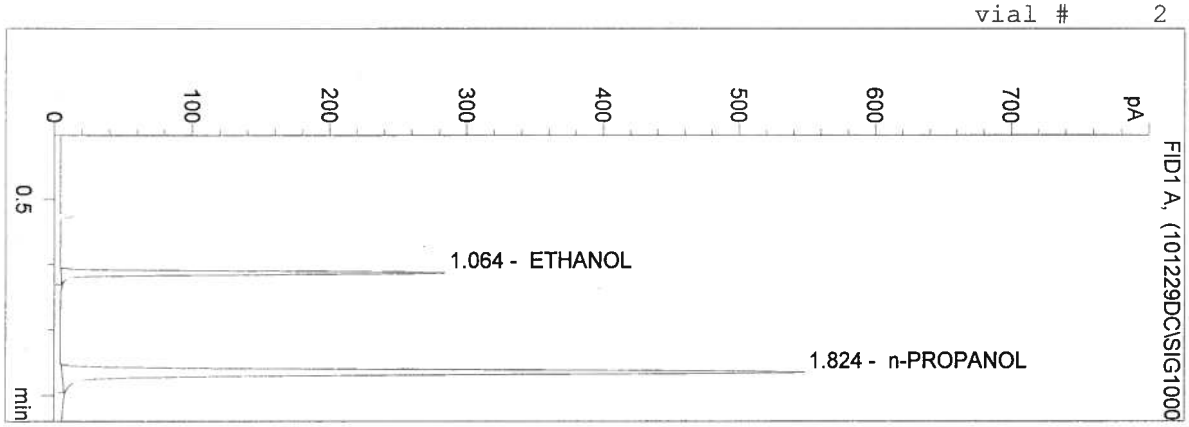
12/29/2010 1:27:55 PM
Instrument 3
db-alc2

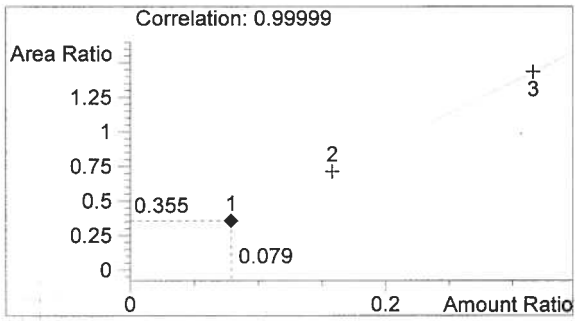
0.079 CAL 1
Dawn Cox

vial # 2

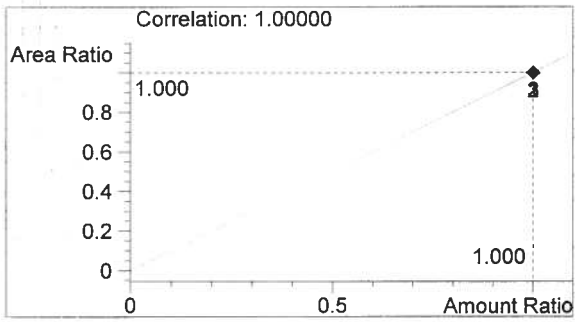


#	Compound	Area	RT
1	ETHANOL	525	1.064
2	n-PROPANOL	1478	1.824

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

10062

10063
10064
10065

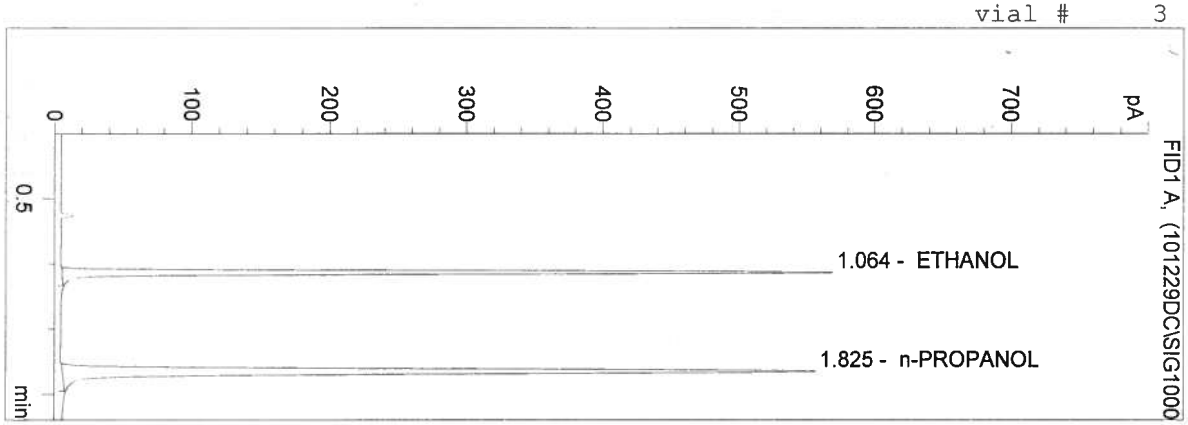
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:31:02 PM
Instrument 3
db-alc2

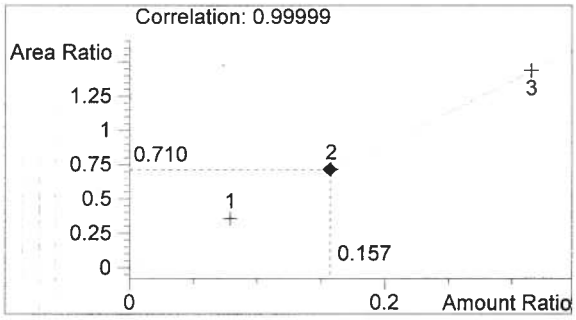
0.158 CAL 2
Dawn Cox

vial # 3

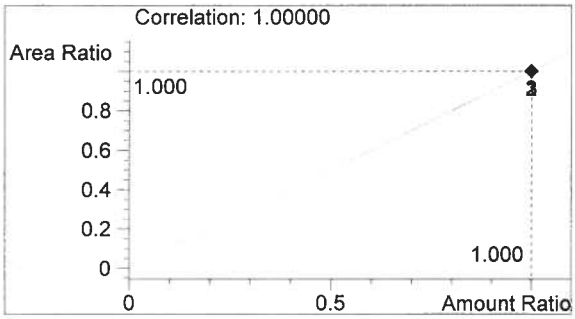


#	Compound	Area	RT
1	ETHANOL	1069	1.064
2	n-PROPANOL	1506	1.825

Totals:



ETHANOL 0.157 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

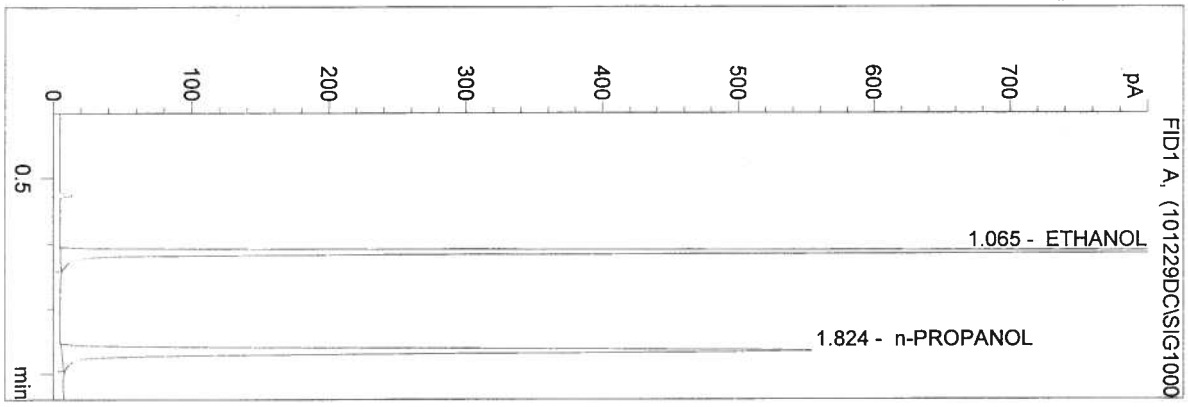
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:34:10 PM
Instrument 3
db-alc2

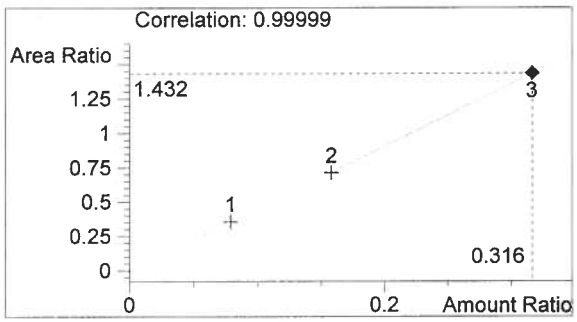
0.316 CAL 3
Dawn Cox

vial # 4

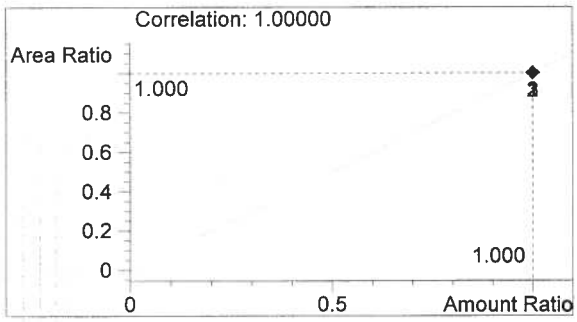


#	Compound	Area	RT
1	ETHANOL	2140	1.065
2	n-PROPANOL	1495	1.824

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

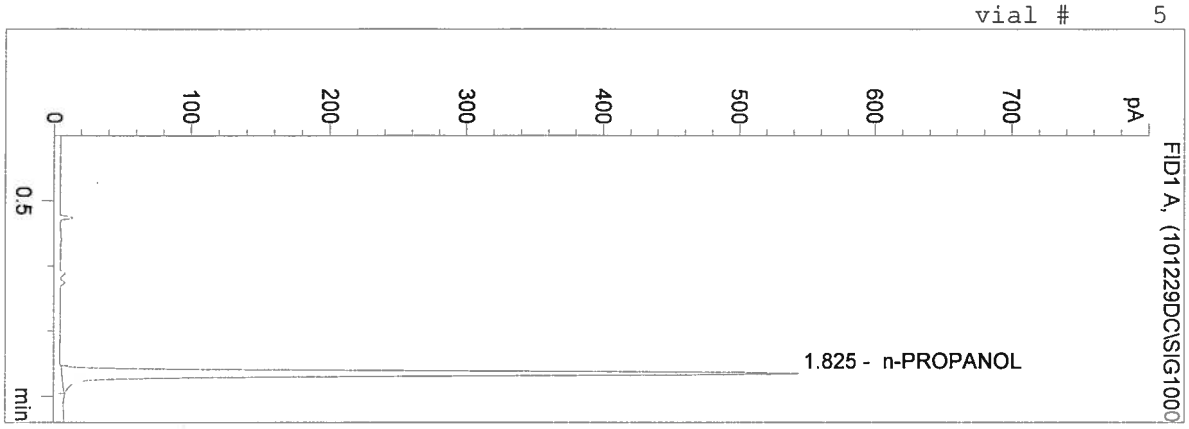
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:37:17 PM
Instrument 3
db-alc2

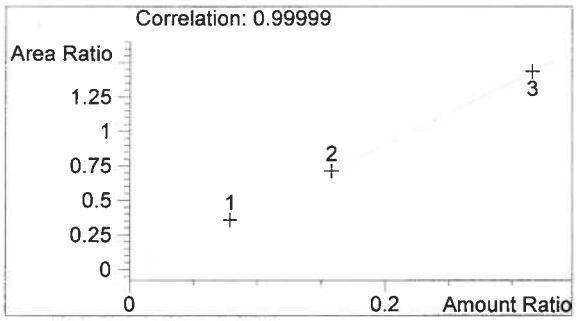
NEG CTRL - DC
Dawn Cox

vial # 5

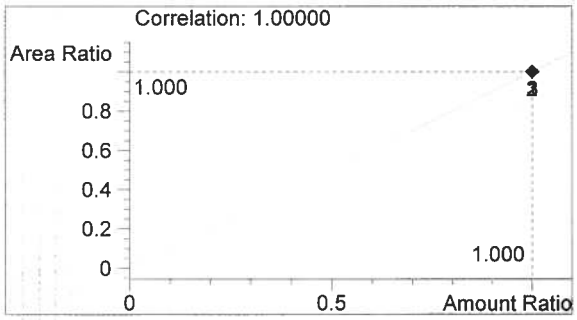


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1465	1.825

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10062

10063

10064

10065

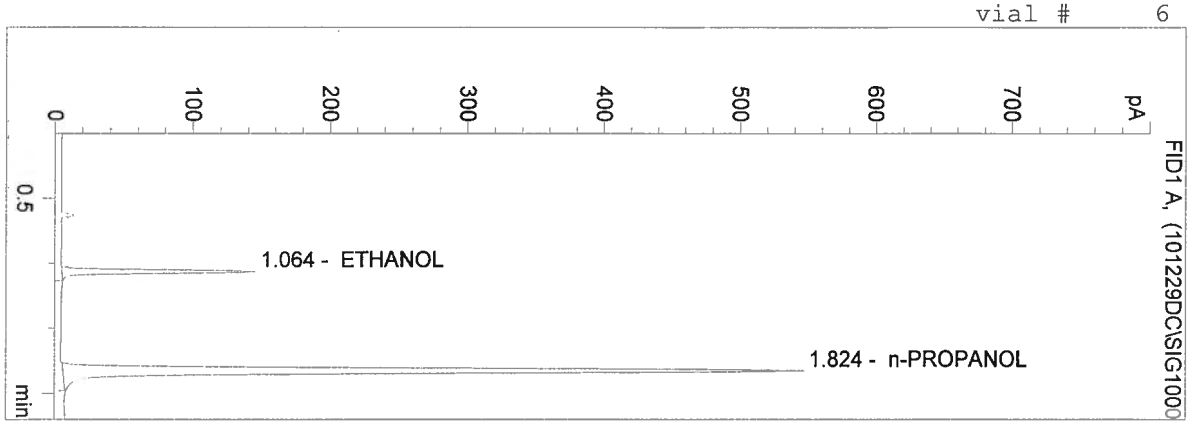
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:40:24 PM
Instrument 3
db-alc2

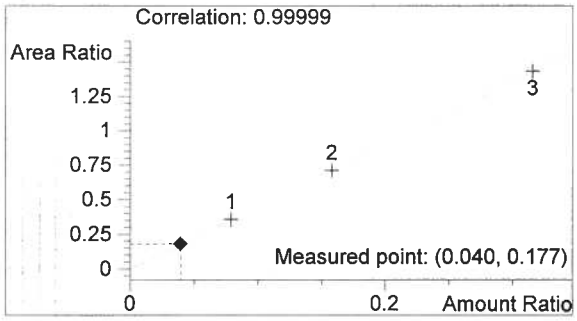
0.04 CTRL - DC
Dawn Cox

vial # 6

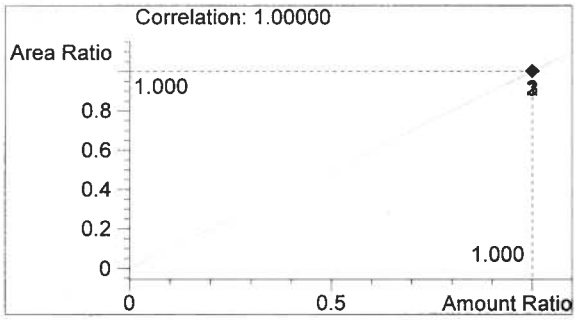


#	Compound	Area	RT
1	ETHANOL	262	1.064
2	n-PROPANOL	1476	1.824

Totals:



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

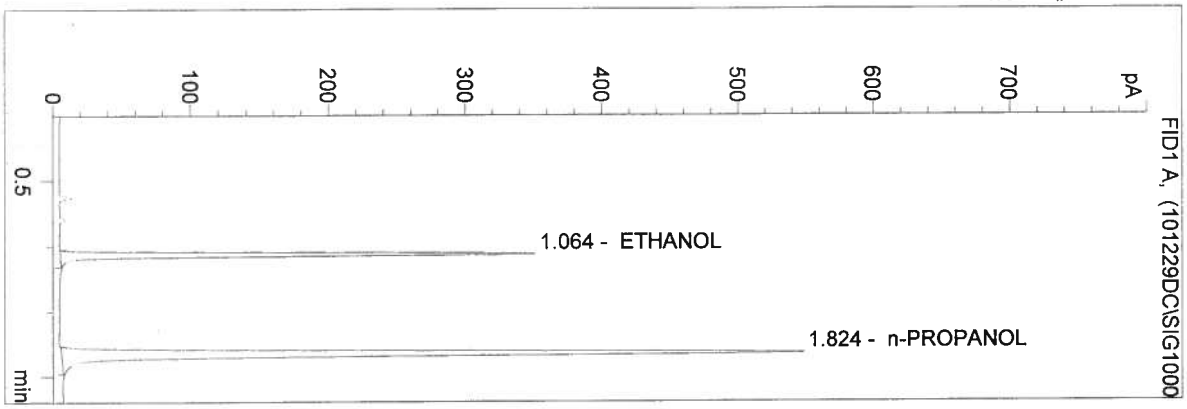
10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:43:31 PM
Instrument 3
db-alc2

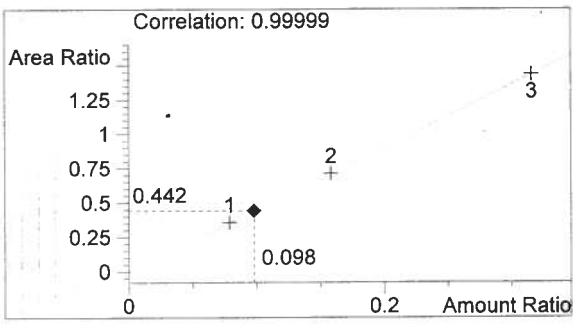
0.10 CTRL - DC
Dawn Cox

vial # 7

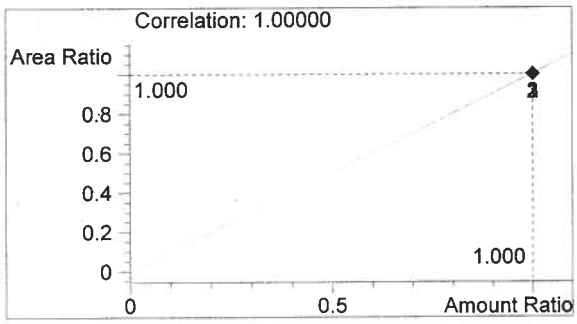


#	Compound	Area	RT
1	ETHANOL	653	1.064
2	n-PROPANOL	1479	1.824

Totals:



ETHANOL 0.098 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

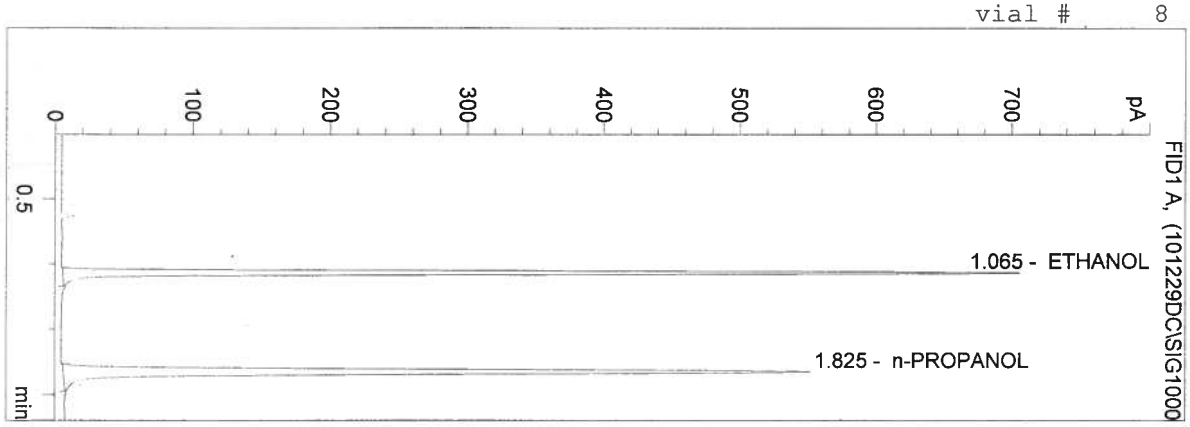
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:46:38 PM
Instrument 3
db-alc2

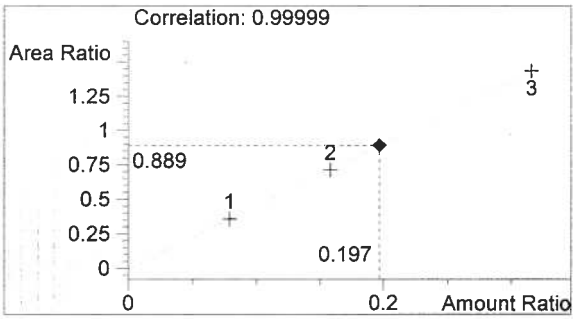
0.20 CTRL -DC
Dawn Cox

vial # 8

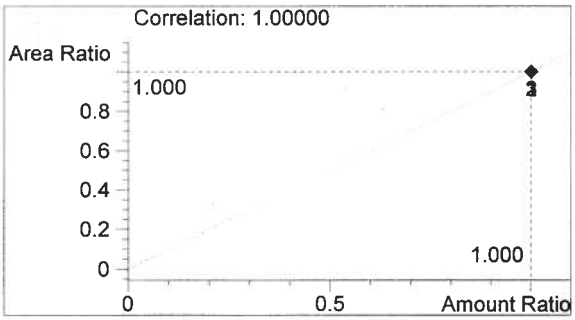


#	Compound	Area	RT
1	ETHANOL	1321	1.065
2	n-PROPANOL	1485	1.825

Totals:



ETHANOL 0.197 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

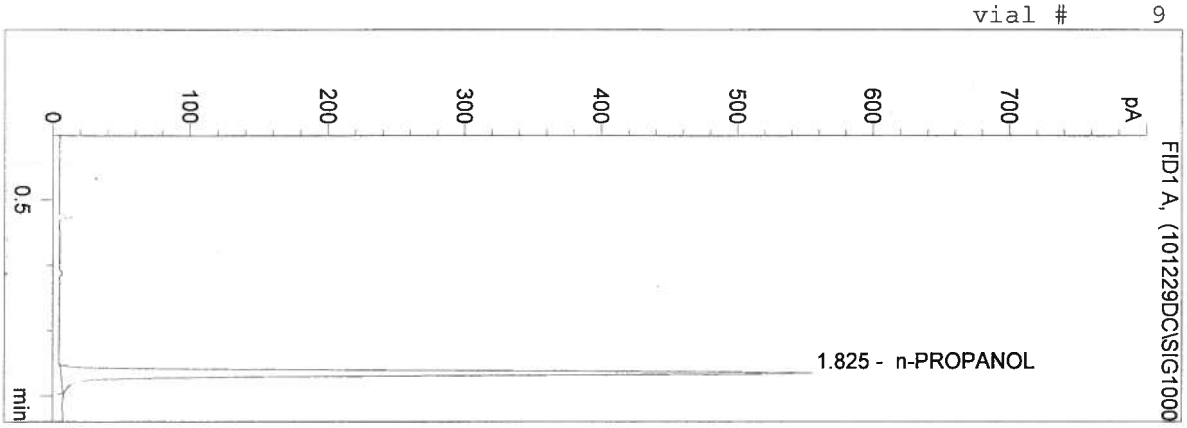
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:49:45 PM
Instrument 3
db-alc2

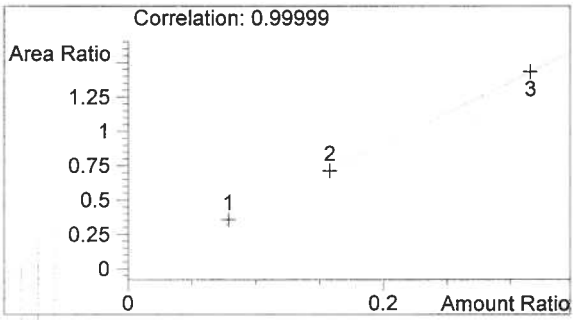
NEG CTRL - DC
Dawn Cox

vial # 9

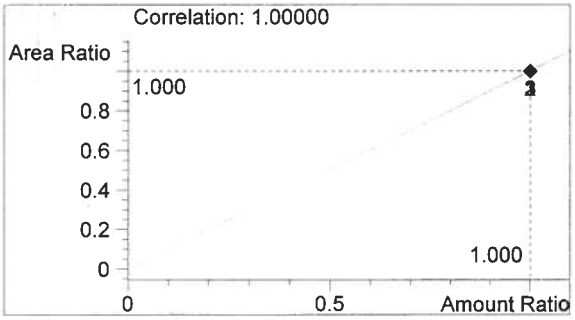


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1500	1.825

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10062

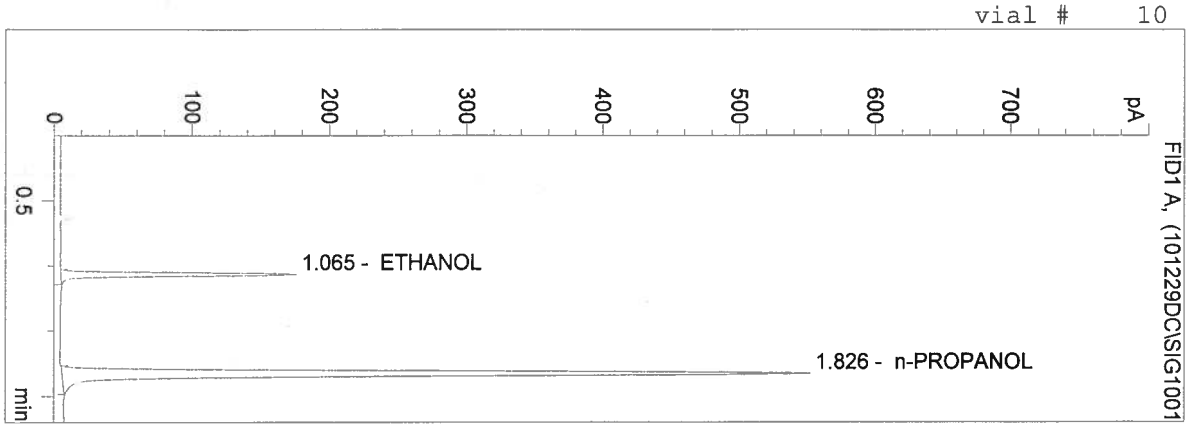
10063
10064
10065
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

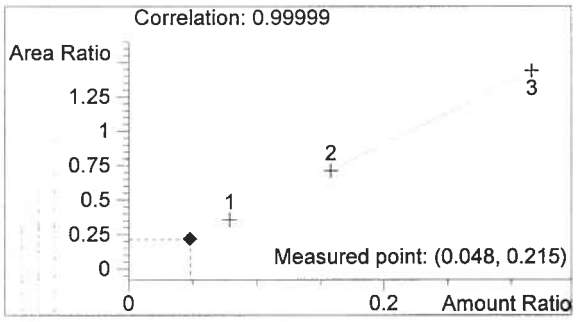
C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:52:57 PM
Instrument 3
db-alc2

10062 #1
Dawn Cox

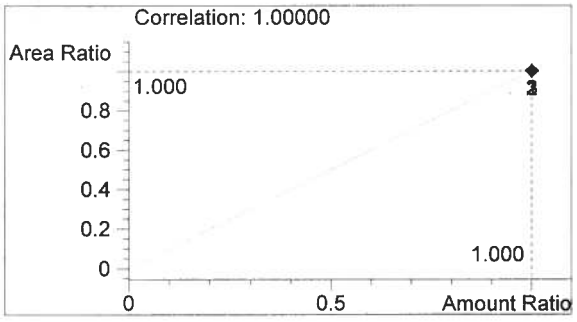
vial # 10



#	Compound	Area	RT
1	ETHANOL	321	1.065
2	n-PROPANOL	1494	1.826
Totals:			



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

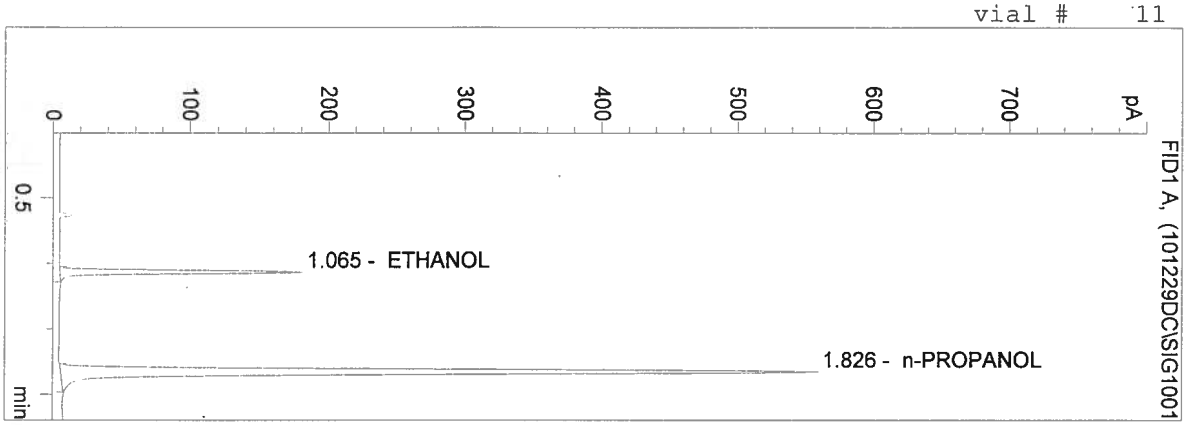
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:56:00 PM
Instrument 3
db-alc2

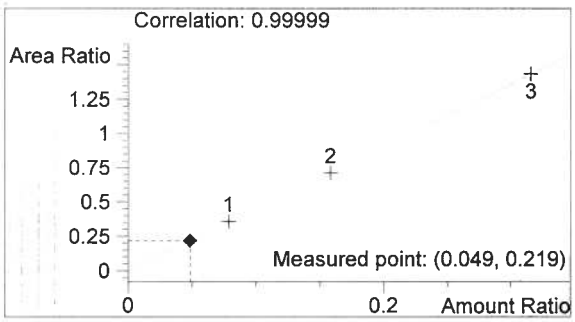
10062 #2
Dawn Cox

vial # 11

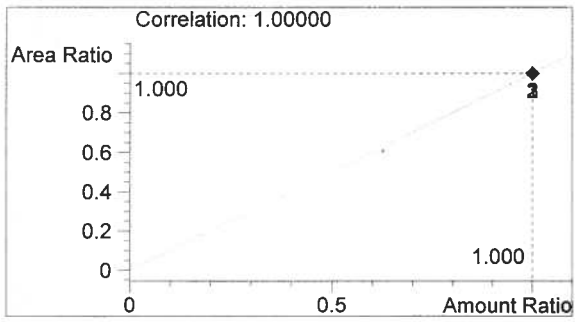


#	Compound	Area	RT
1	ETHANOL	331	1.065
2	n-PROPANOL	1512	1.826

Totals:



ETHANOL 0.049 g/100ml

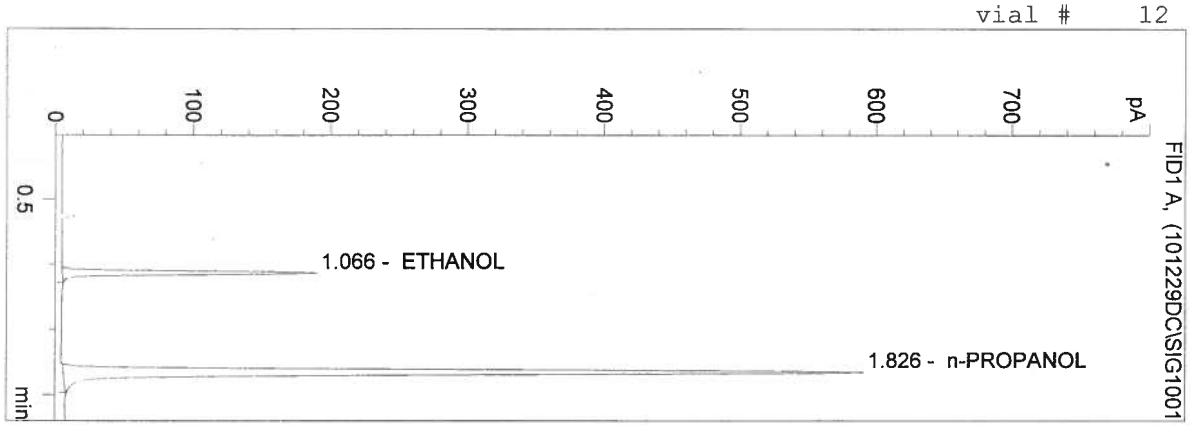


n-PROPANOL 1.000 g/100ml

DC

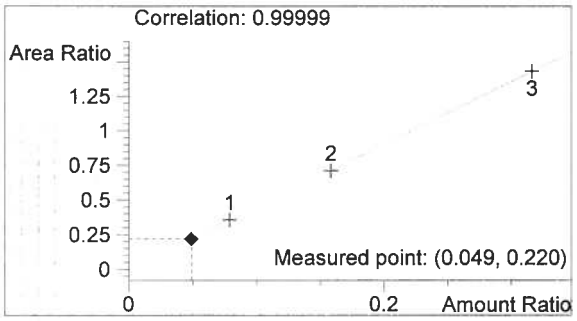
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 1:59:07 PM — 10062 #3
Instrument 3 — Dawn Cox
db-alc2
vial # 12

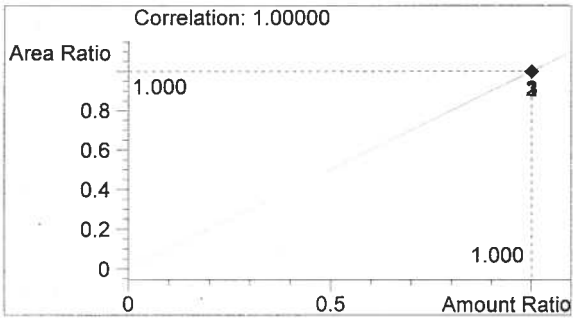


#	Compound	Area	RT
1	ETHANOL	353	1.066
2	n-PROPANOL	1599	1.826

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

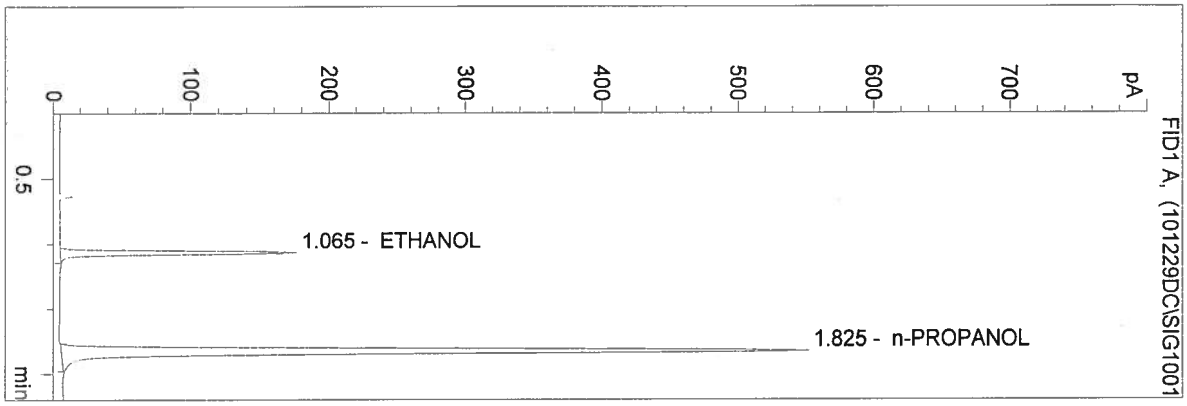
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 2:02:14 PM
Instrument 3
db-alc2

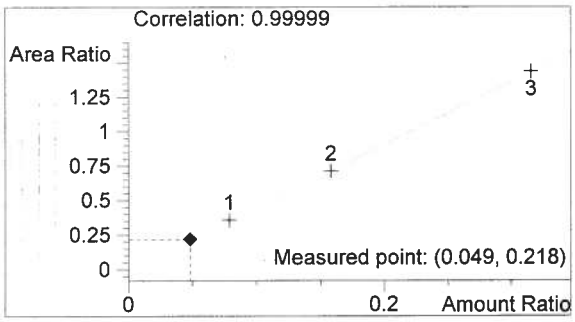
10062 #4
Dawn Cox

vial # 13

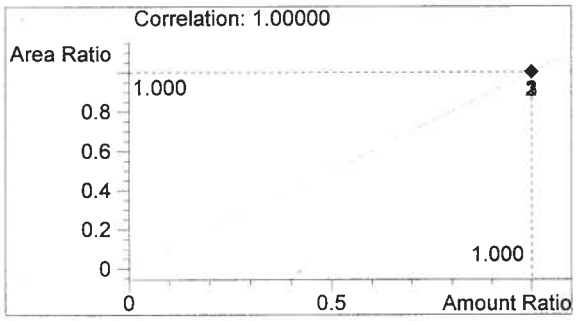


#	Compound	Area	RT
1	ETHANOL	325	1.065
2	n-PROPANOL	1494	1.825

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

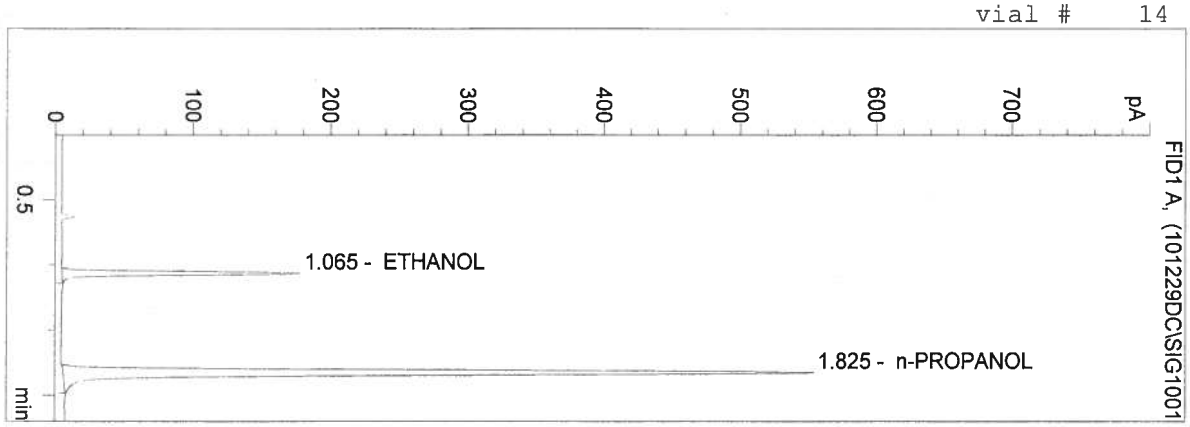
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 2:05:21 PM
Instrument 3
db-alc2

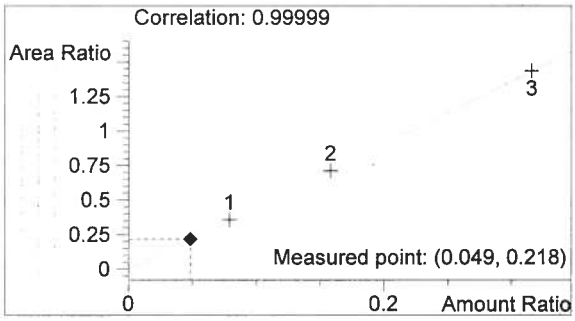
10062 #5
Dawn Cox

vial # 14

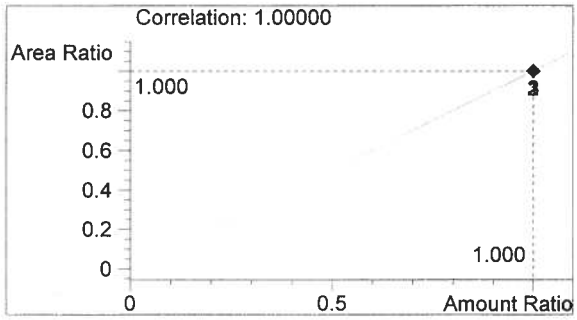


#	Compound	Area	RT
1	ETHANOL	326	1.065
2	n-PROPANOL	1498	1.825

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

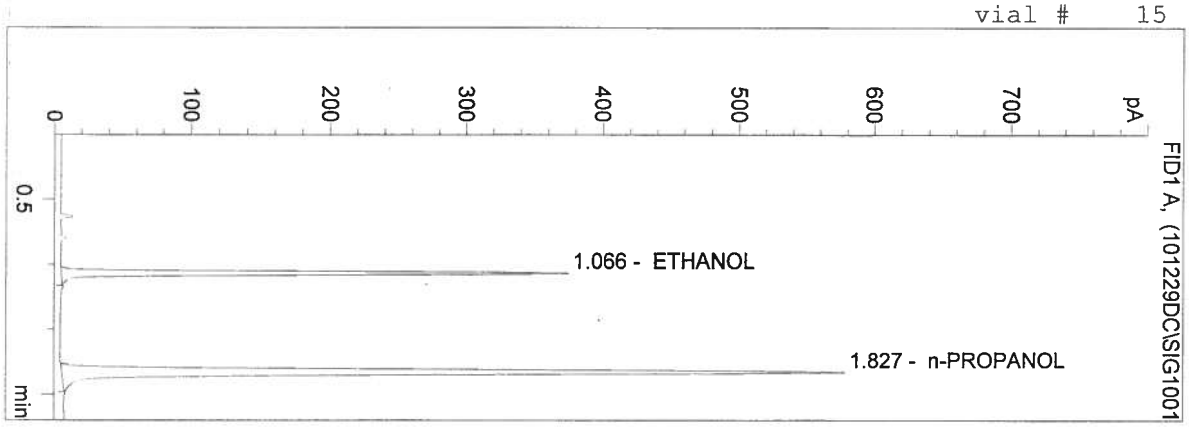
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

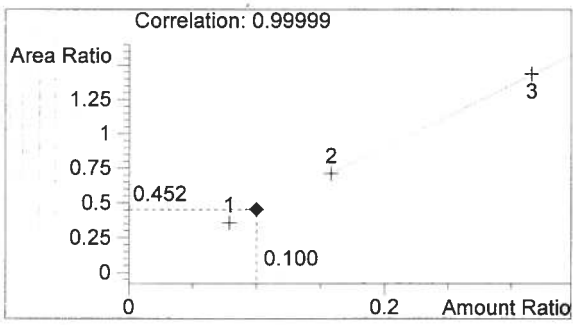
C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 2:08:28 PM
Instrument 3
db-alc2

0.10 CTRL - DC
Dawn Cox

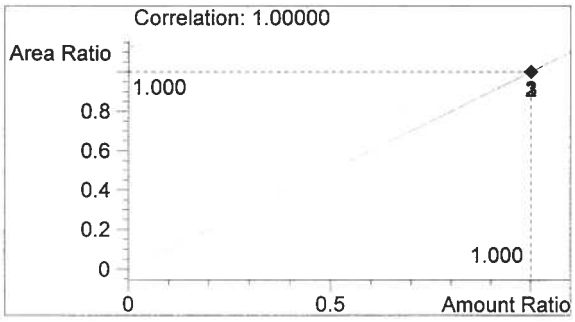
vial # 15



#	Compound	Area	RT
1	ETHANOL	709	1.066
2	n-PROPANOL	1570	1.827
Totals:			



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

10062

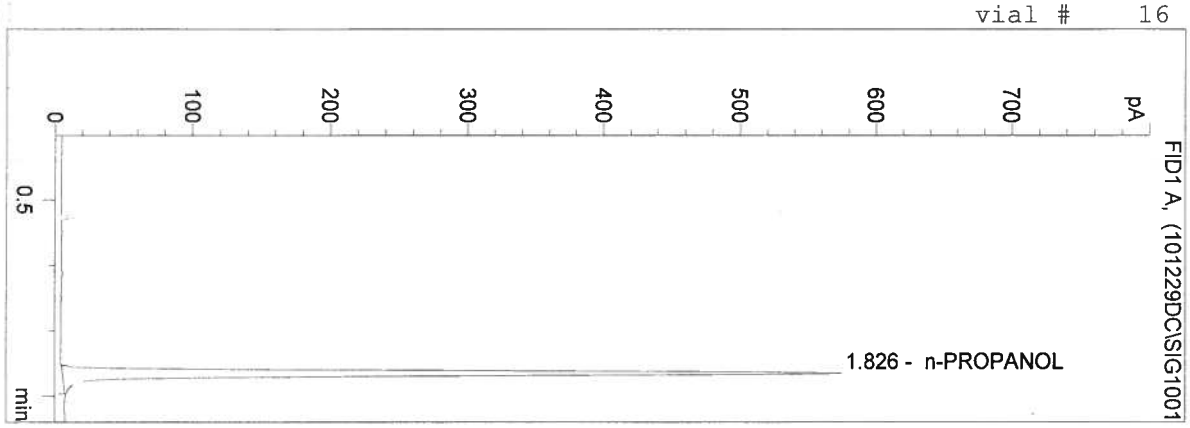
DC

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 2:11:36 PM
Instrument 3
db-alc2

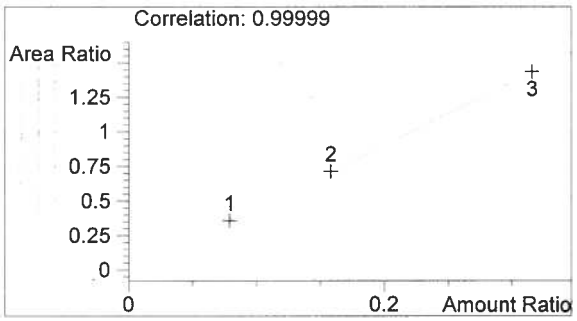
NEG CTRL - DC
Dawn Cox

vial # 16

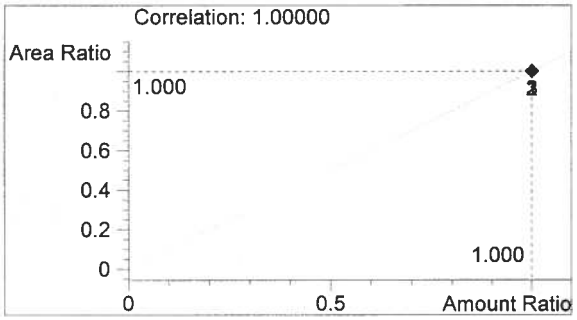


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1556	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

10062

DC

Sequence Parameters:

Operator:	asa louis
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:	101229A1
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 # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

After injection of Vial 11 Tray lock message appeared on auto sample after work hours. Message cleared and run resumed on next morning (20101230). Control sample indicates calibration is still fit for use

AL 20101230

Approved JAK 1/13/11

Sequence Table (Front Injector):

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 - al	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC3	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC3	1	Ctrl Samp		
10	Vial 10	qap0.04 10062 #1	SIMALC3	1	Sample		
11	Vial 11	qap0.04 10062 #2	SIMALC3	1	Sample		
12	Vial 12	qap0.04 10062 #3	SIMALC3	1	Sample		
13	Vial 13	qap0.04 10062 #4	SIMALC3	1	Sample		
14	Vial 14	qap0.04 10062 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC3	1	Ctrl Samp		
17	Vial 17	qap0.08 10063 #1	SIMALC3	1	Sample		
18	Vial 18	qap0.08 10063 #2	SIMALC3	1	Sample		
19	Vial 19	qap0.08 10063 #3	SIMALC3	1	Sample		
20	Vial 20	qap0.08 10063 #4	SIMALC3	1	Sample		
21	Vial 21	qap0.08 10063 #5	SIMALC3	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC3	1	Ctrl Samp		
24	Vial 24	qap0.10 10064 #1	SIMALC3	1	Sample		
25	Vial 25	qap0.10 10064 #2	SIMALC3	1	Sample		
26	Vial 26	qap0.10 10064 #3	SIMALC3	1	Sample		
27	Vial 27	qap0.10 10064 #4	SIMALC3	1	Sample		
28	Vial 28	qap0.10 10064 #5	SIMALC3	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC3	1	Ctrl Samp		
31	Vial 31	qap0.15 10065 #1	SIMALC3	1	Sample		
32	Vial 32	qap0.15 10065 #2	SIMALC3	1	Sample		

Calibrators with 10062

10062

10063

10064

10065

10062

AL 20101230

AL 20101007

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	qap0.15 10065 #3	SIMALC3	1	Sample		
34	Vial 34	qap0.15 10065 #4	SIMALC3	1	Sample		
35	Vial 35	qap0.15 10065 #5	SIMALC3	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC3	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	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!

10062
10063
10064
10065

10062
A
20101230

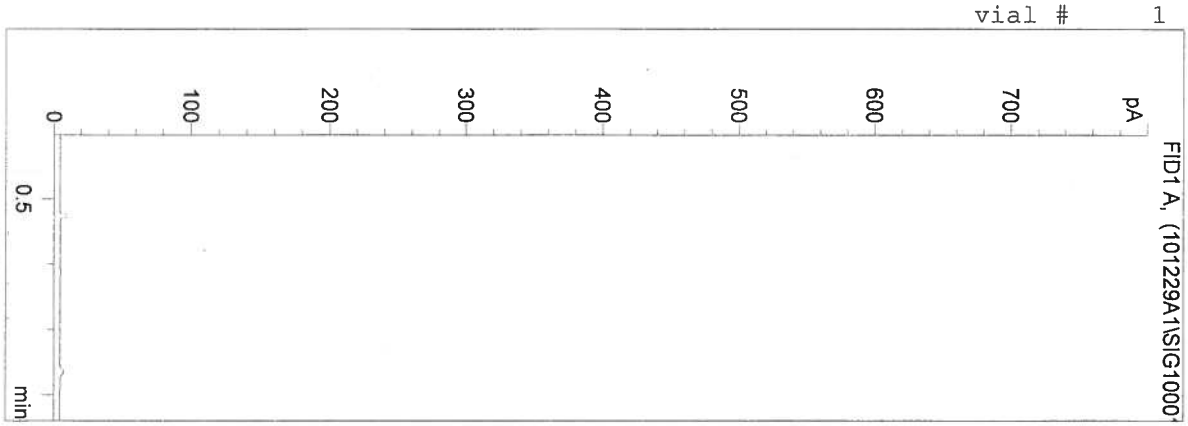
DC
20110107

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 3:44:24 PM
Instrument 3
db-alc2

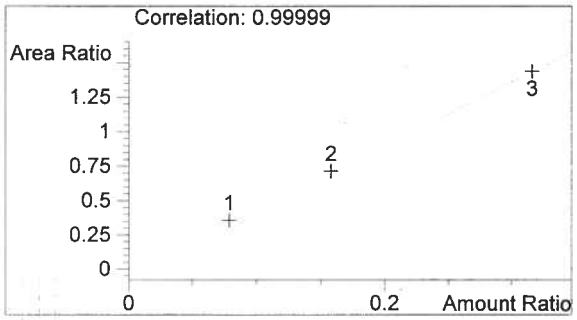
blank
asa louis

vial # 1

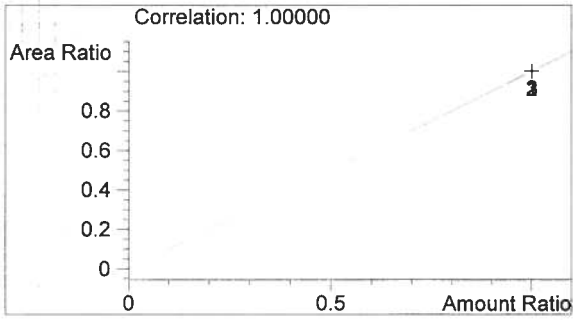


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

10062
10063
10064
10065

AL
20101237

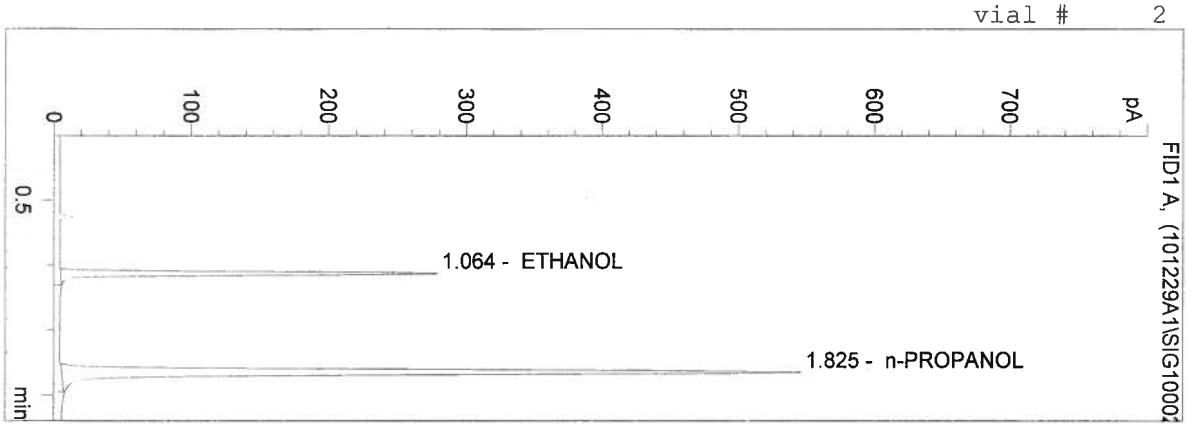
AL
20110107

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 3:47:31 PM
Instrument 3
db-alc2

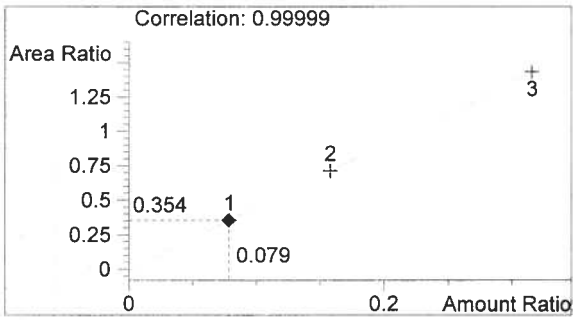
0.079 cal 1
asa louis

vial # 2

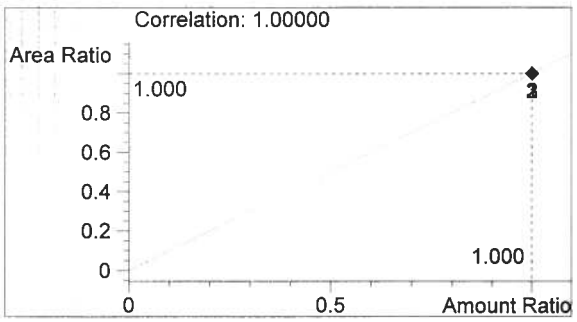


#	Compound	Area	RT
1	ETHANOL	525	1.064
2	n-PROPANOL	1483	1.825

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

A
20101230

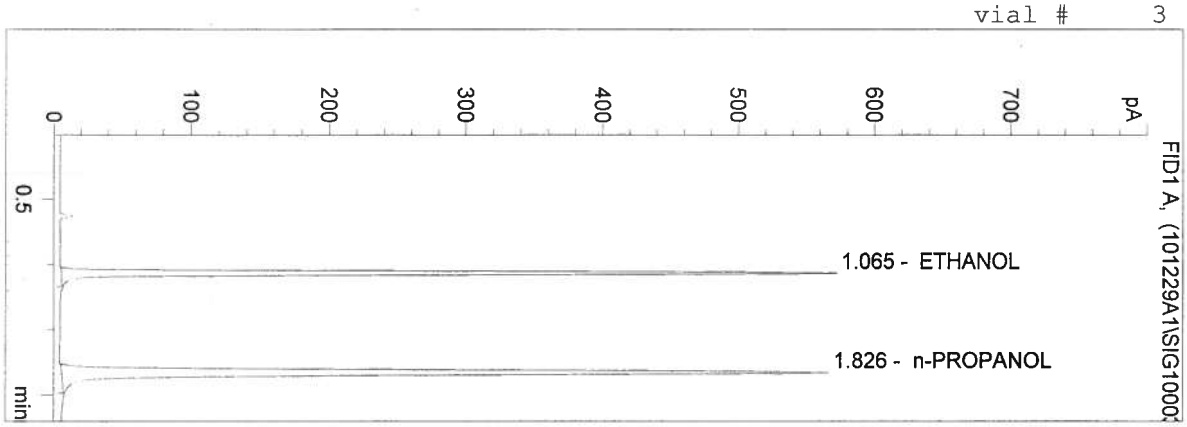
A
20110107

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 3:50:38 PM
Instrument 3
db-alc2

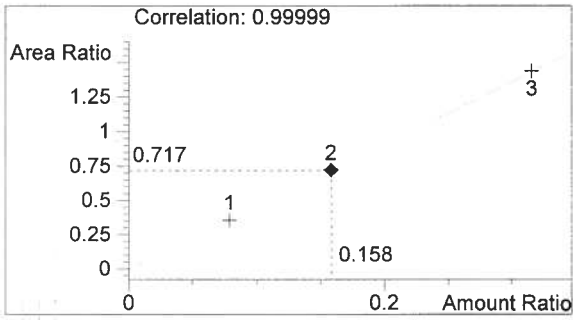
0.158 cal 2
asa louis

vial # 3

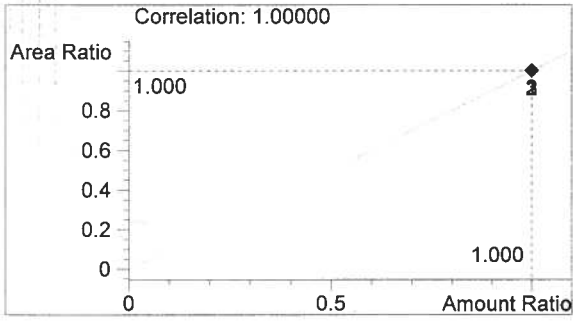


#	Compound	Area	RT
1	ETHANOL	1103	1.065
2	n-PROPANOL	1538	1.826

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

10062
10063
10064
10065

20101230

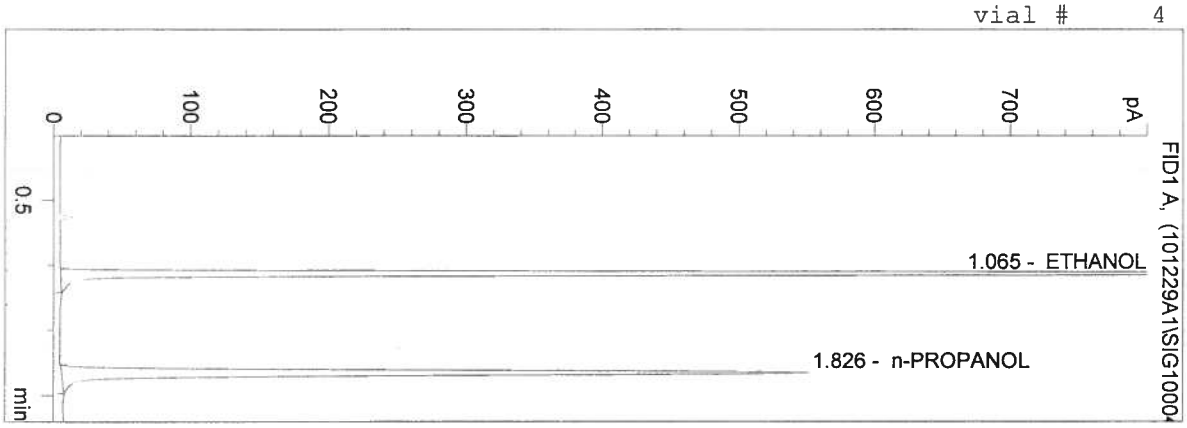
20110107

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 3:53:45 PM
Instrument 3
db-alc2

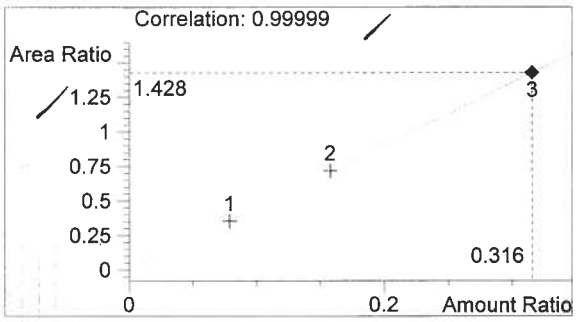
0.316 cal 3
asa louis

vial # 4

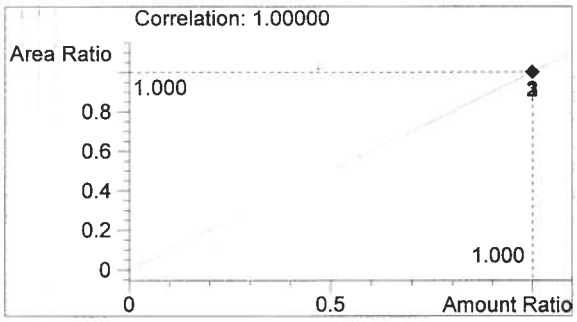


#	Compound	Area	RT
1	ETHANOL	2138	1.065
2	n-PROPANOL	1497	1.826

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

10062

10063
10064
10065

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WASHINGTON STATE TOXICOLOGY LABORATORY

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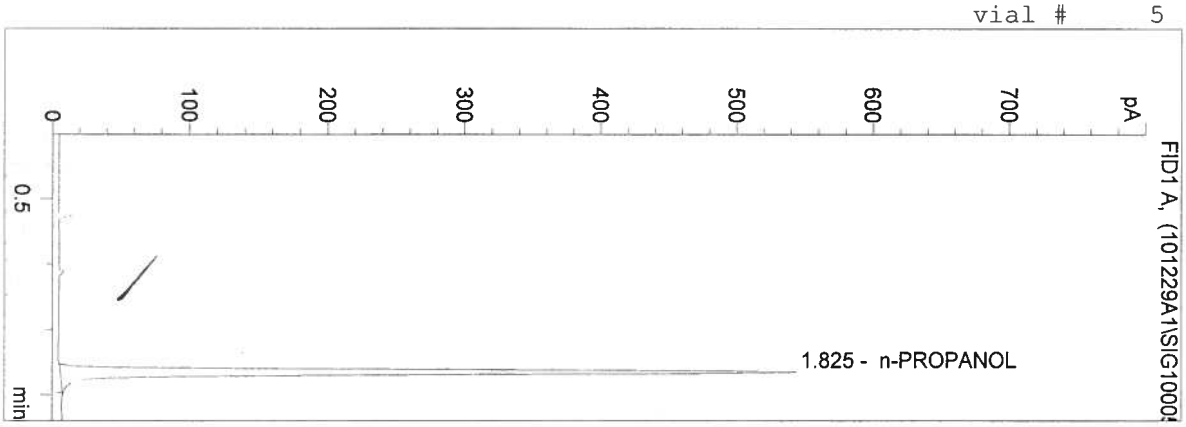
12/29/2010 3:56:52 PM
Instrument 3
db-alc2

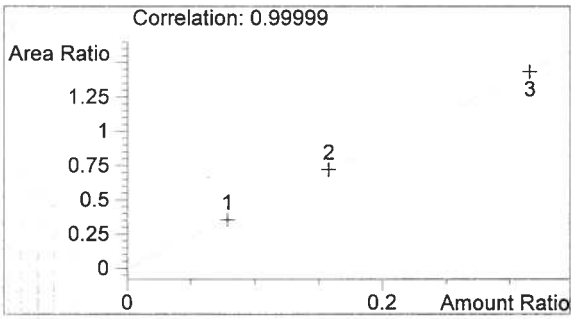
neg ctrl - al
asa louis

vial # 5

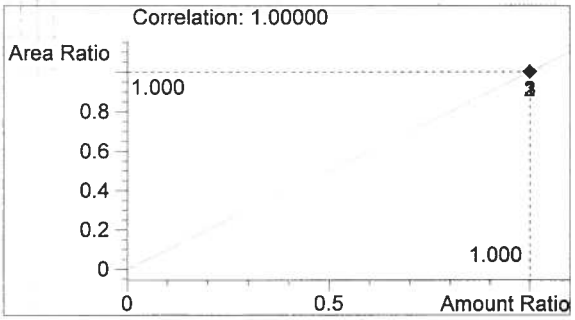


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1475	1.825

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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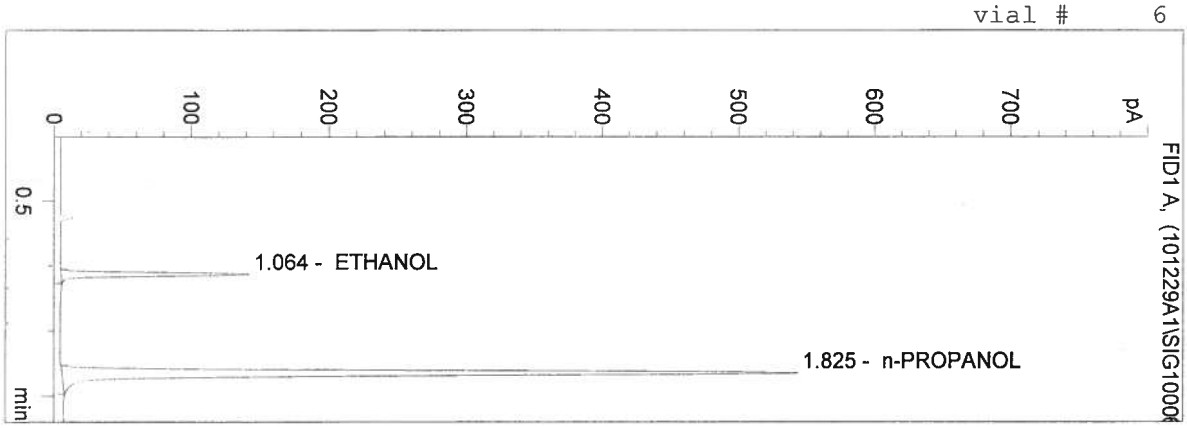
12/29/2010 3:59:59 PM
Instrument 3
db-alc2

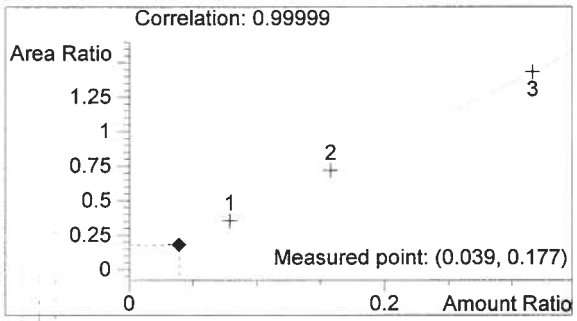
0.04 ctrl - al
asa louis

vial # 6

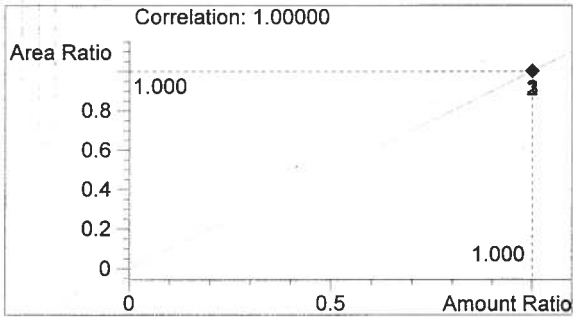


#	Compound	Area	RT
1	ETHANOL	261	1.064
2	n-PROPANOL	1474	1.825

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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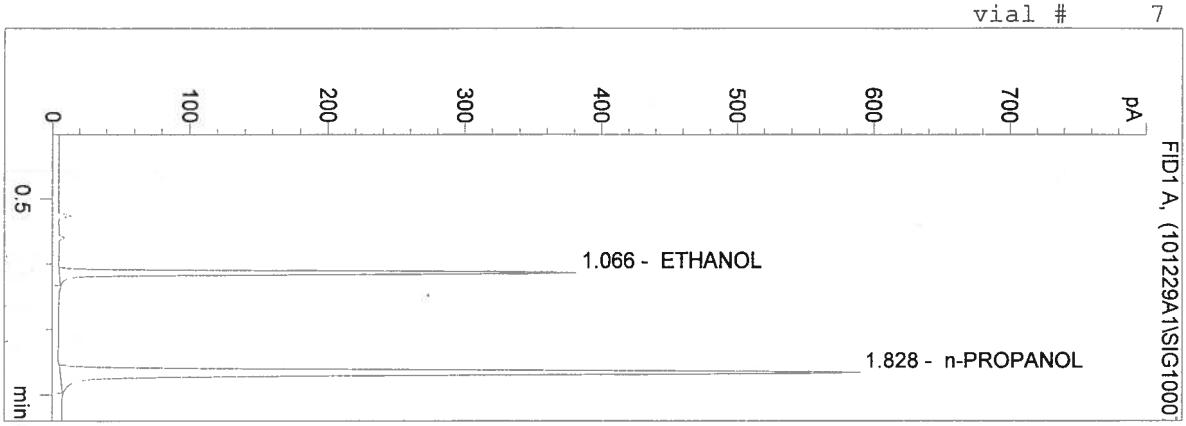
12/29/2010 4:03:06 PM
Instrument 3
db-alc2

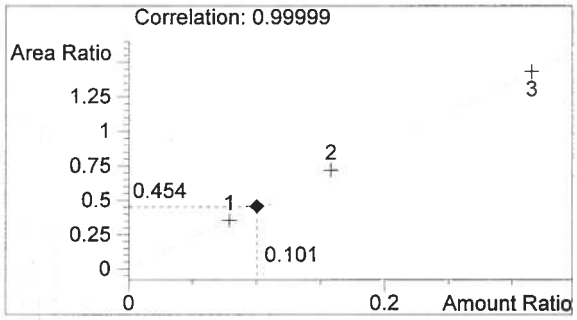
0.10 ctrl - al
asa louis

vial # 7

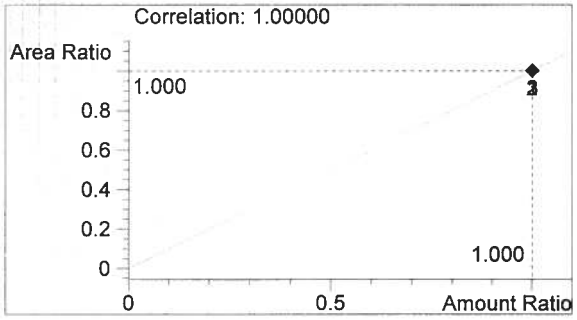


#	Compound	Area	RT
1	ETHANOL	727	1.066
2	n-PROPANOL	1600	1.828

Totals:



ETHANOL 0.101 g/100ml



n-PROPANOL 1.000 g/100ml

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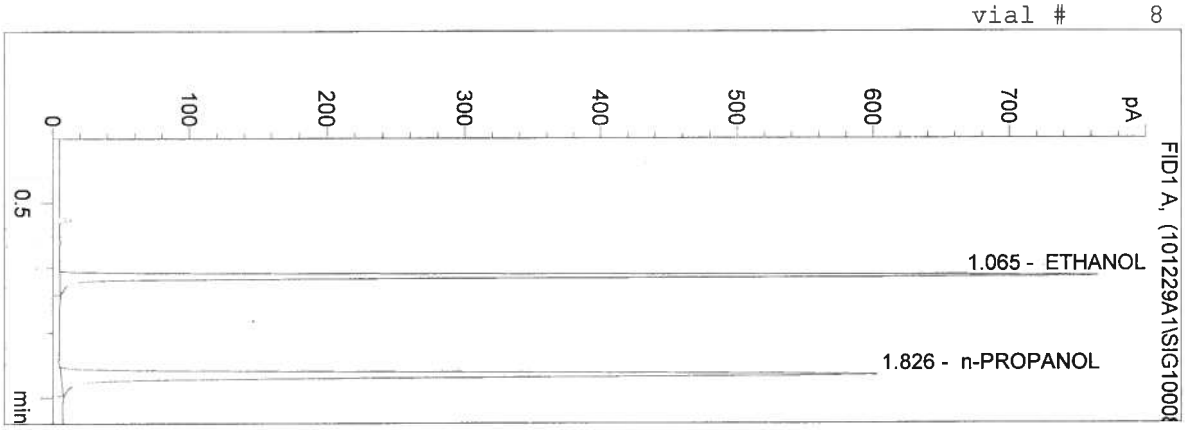
12/29/2010 4:06:14 PM
Instrument 3
db-alc2

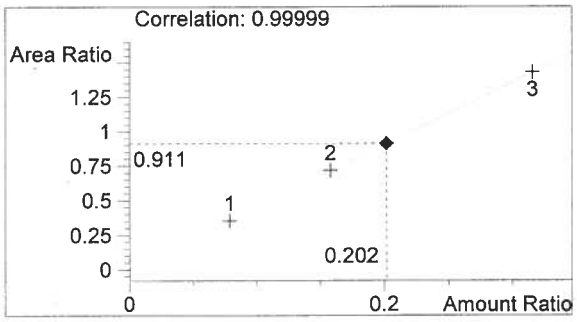
0.20 ctrl - al
asa louis

vial # 8

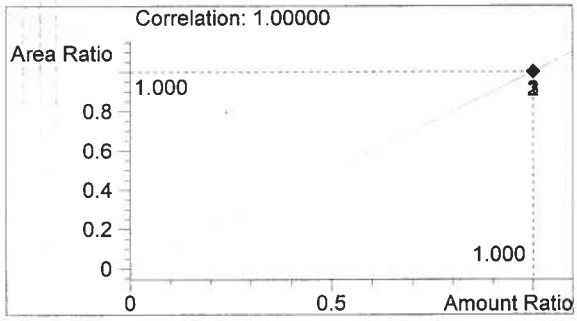


#	Compound	Area	RT
1	ETHANOL	1498	1.065
2	n-PROPANOL	1644	1.826

Totals:



ETHANOL 0.202 g/100ml



n-PROPANOL 1.000 g/100ml

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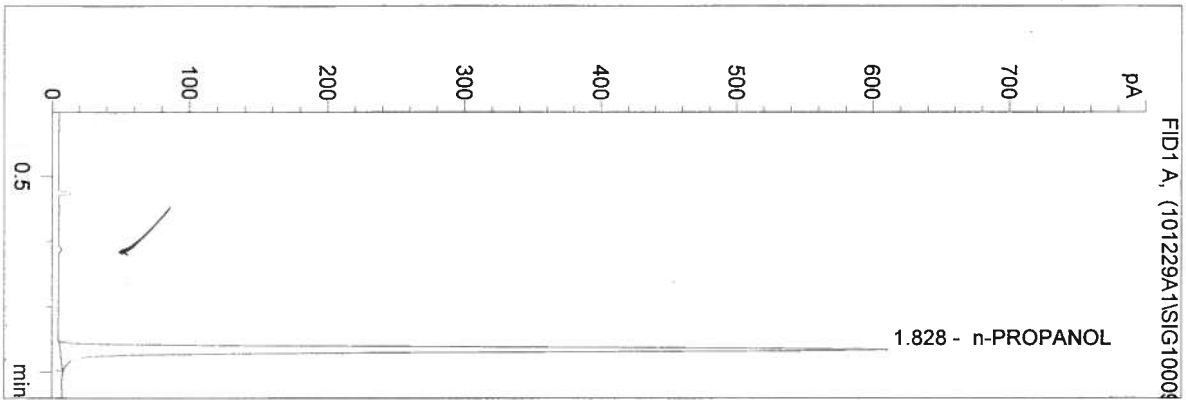
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
12/29/2010 4:09:21 PM
Instrument 3
db-alc2

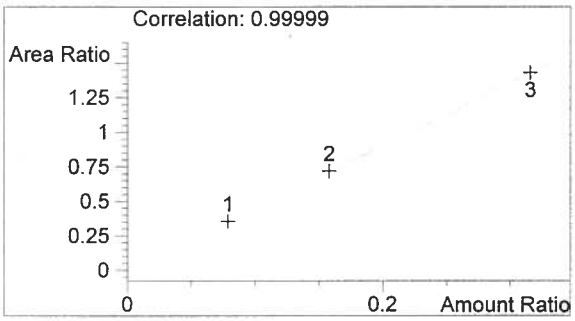
neg ctrl - al
asa louis

vial # 9

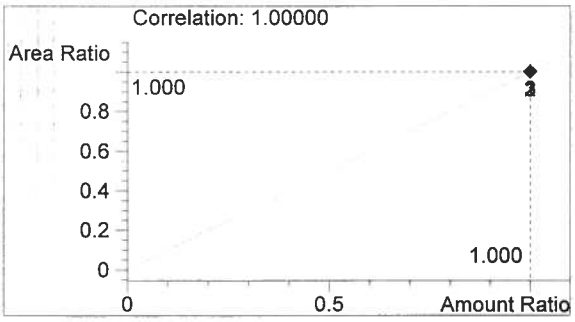


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1665	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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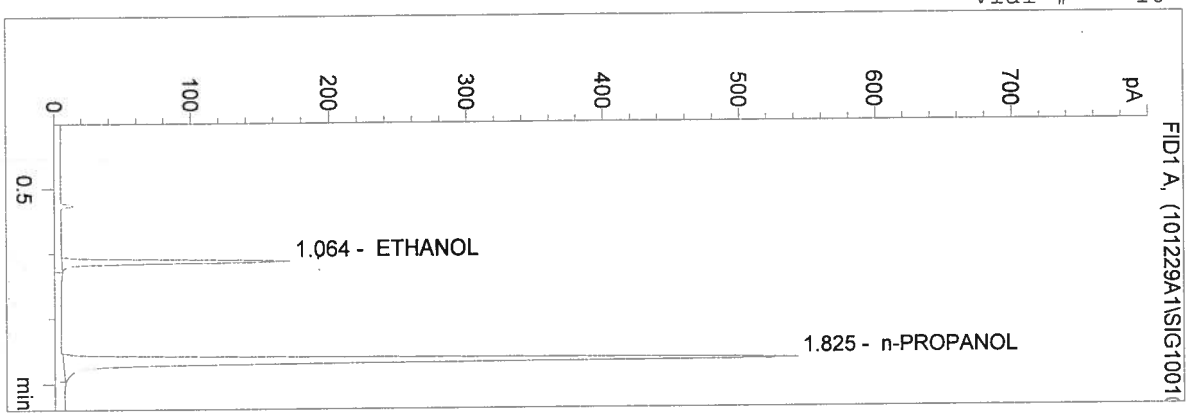
Instrument 3
db-alc2

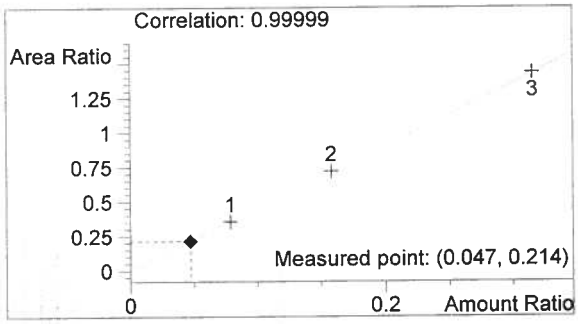
qap0.04 10062 #1
asa louis

vial # 10

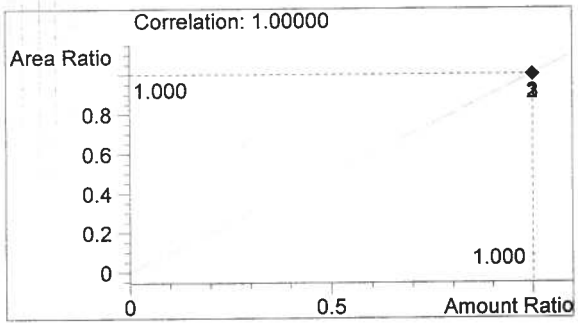


#	Compound	Area	RT
1	ETHANOL	315	1.064
2	n-PROPANOL	1472	1.825

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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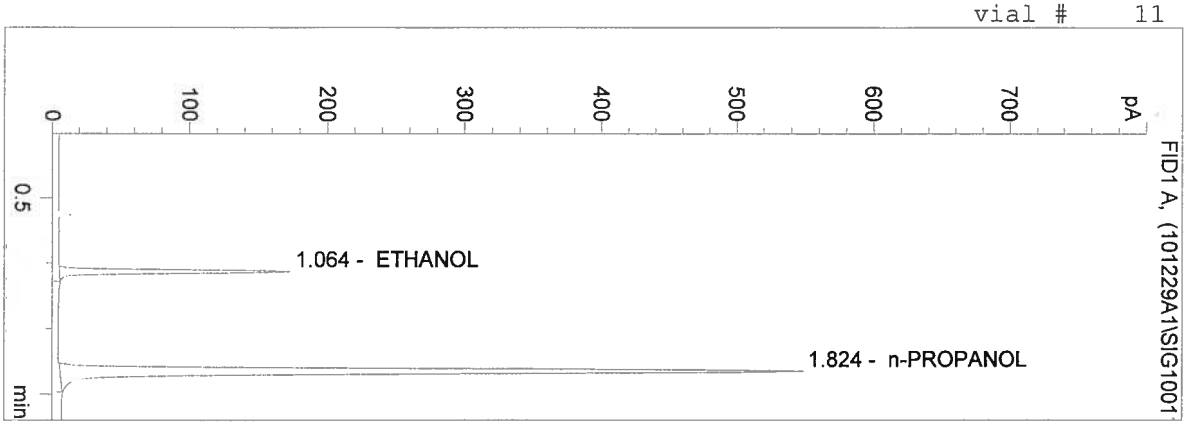
Instrument 3
db-alc2

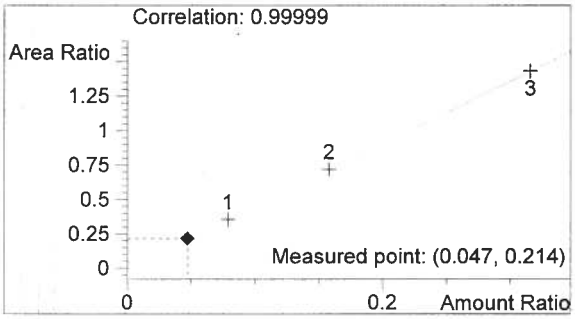
qap0.04 10062 #2
asa louis

vial # 11

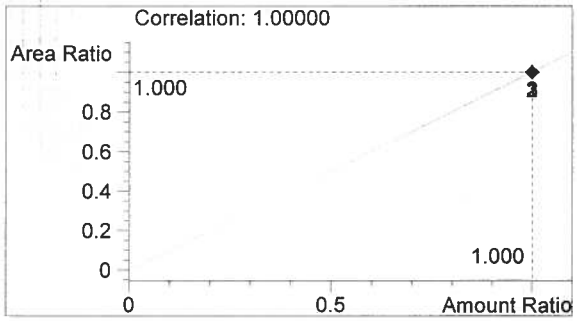


#	Compound	Area	RT
1	ETHANOL	319	1.064
2	n-PROPANOL	1491	1.824

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

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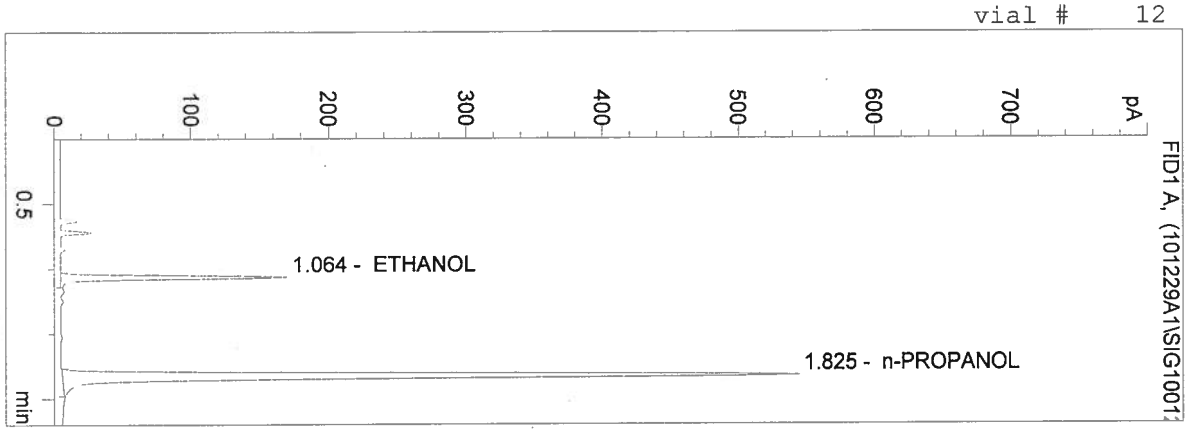
Instrument 3
db-alc2

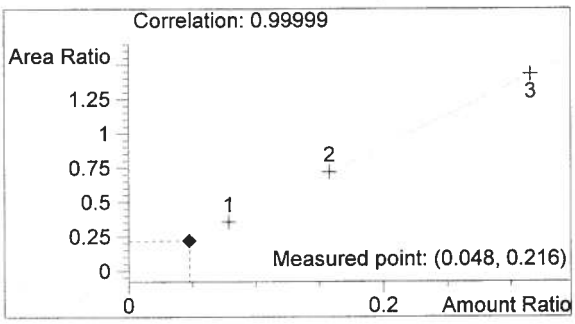
qap0.04 10062 #3
asa louis

vial # 12

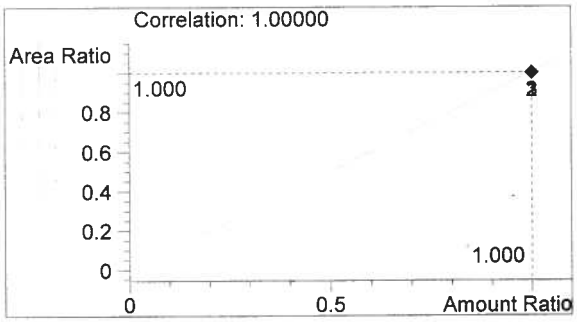


#	Compound	Area	RT
1	ETHANOL	319	1.064
2	n-PROPANOL	1478	1.825

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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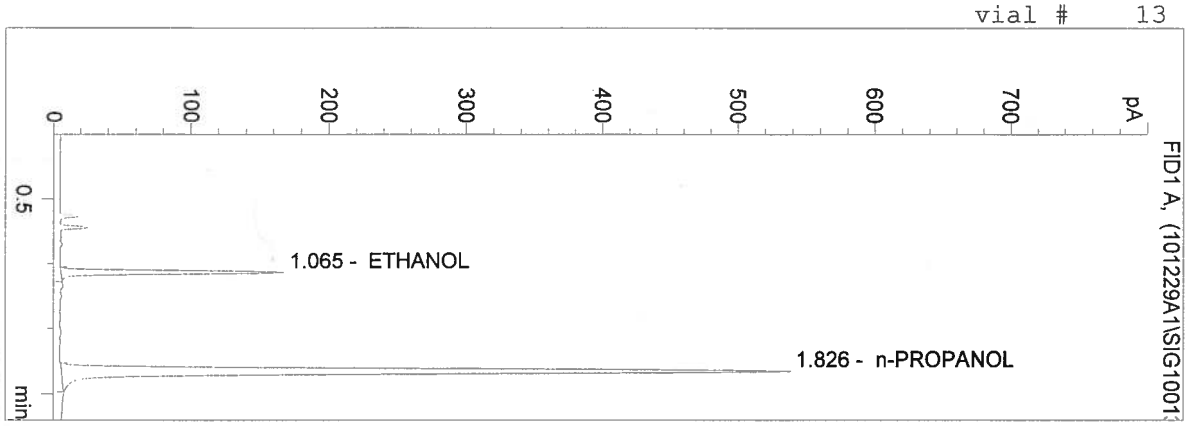
12/30/2010 8:22:05 AM
Instrument 3
db-alc2

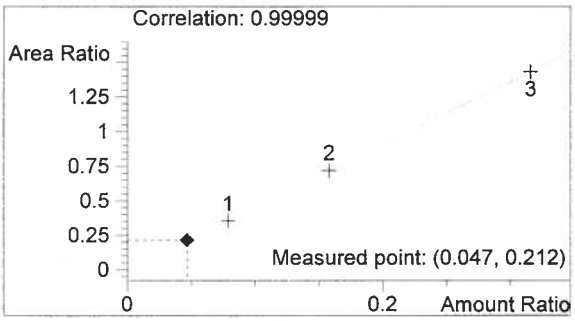
qap0.04 10062 #4
asa louis

vial # 13

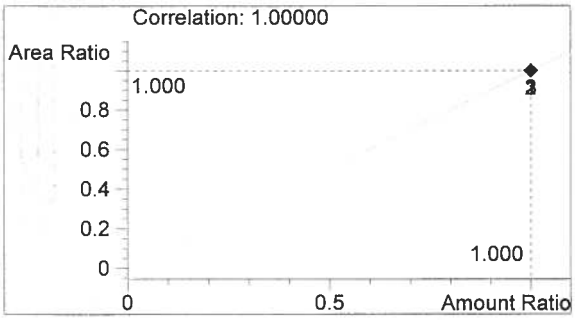


#	Compound	Area	RT
1	ETHANOL	311	1.065
2	n-PROPANOL	1466	1.826

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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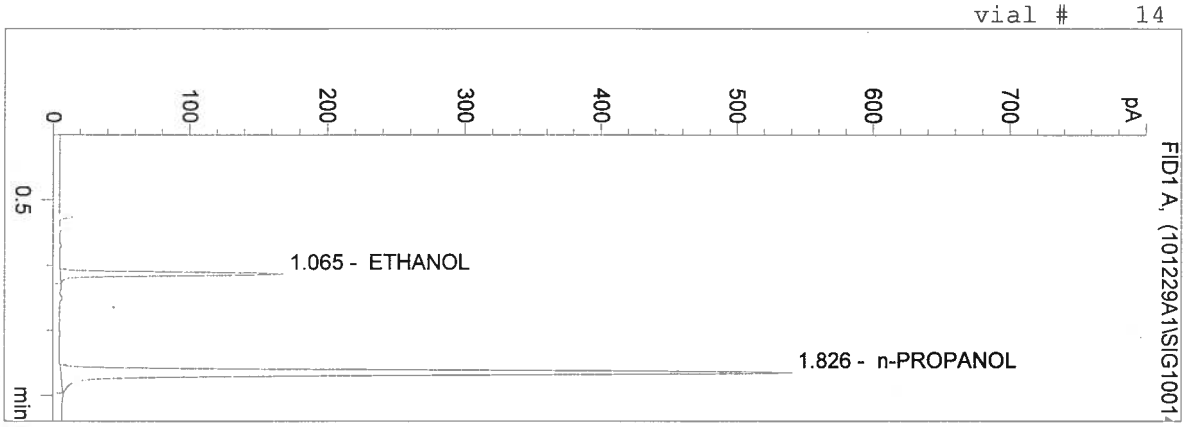
12/30/2010 8:25:12 AM
Instrument 3
db-alc2

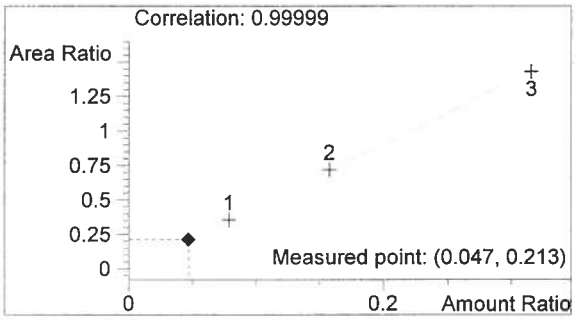
qap0.04 10062 #5
asa louis

vial # 14

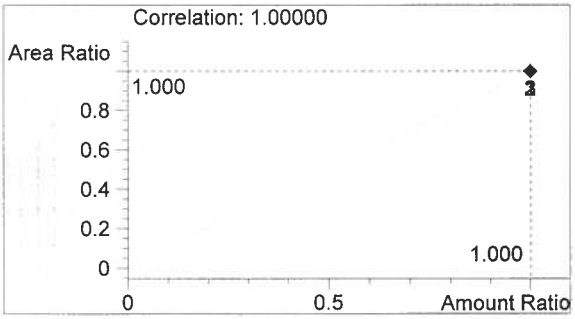


#	Compound	Area	RT
1	ETHANOL	313	1.065
2	n-PROPANOL	1471	1.826

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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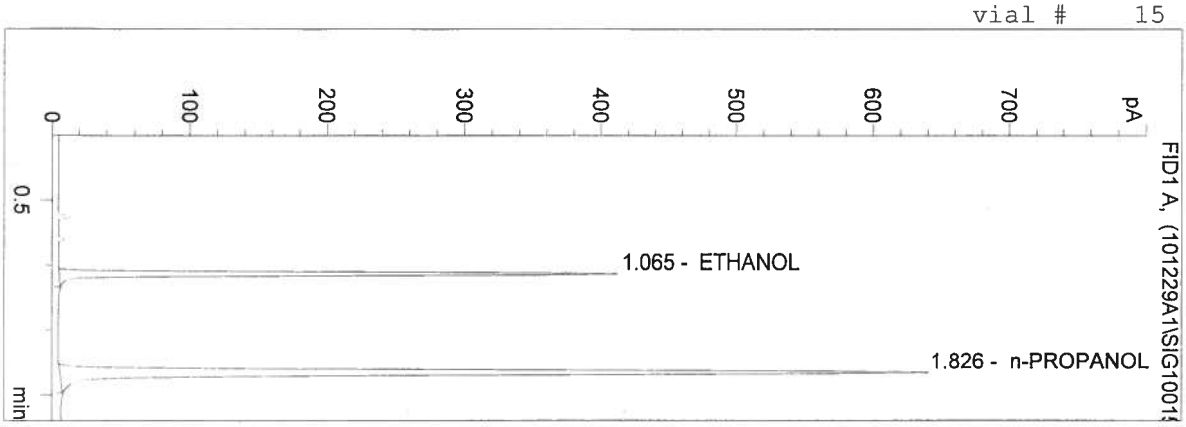
Instrument 3
db-alc2

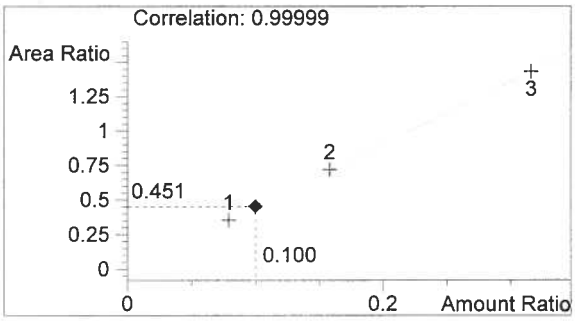
0.10 ctrl - al
asa louis

vial # 15

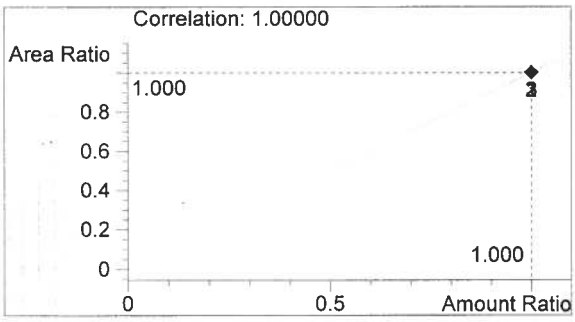


#	Compound	Area	RT
1	ETHANOL	786	1.065
2	n-PROPANOL	1742	1.826

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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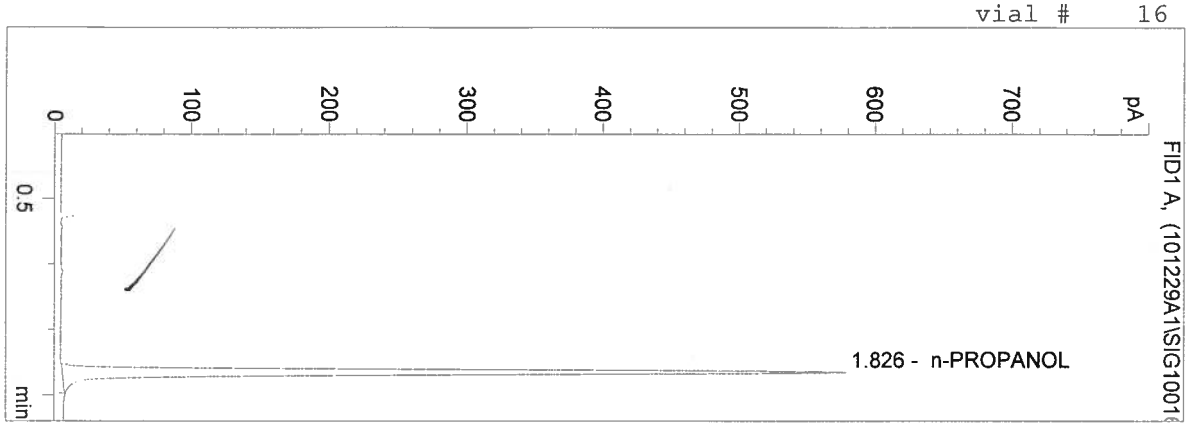
Instrument 3
db-alc2

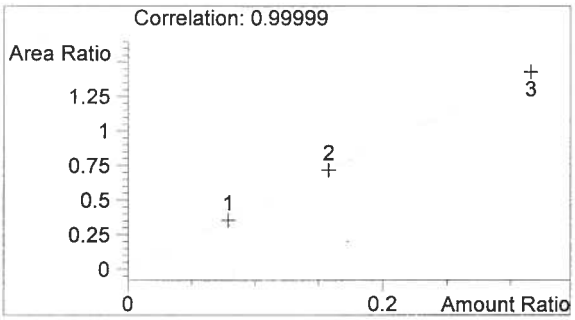
neg ctrl - al
asa louis

vial # 16

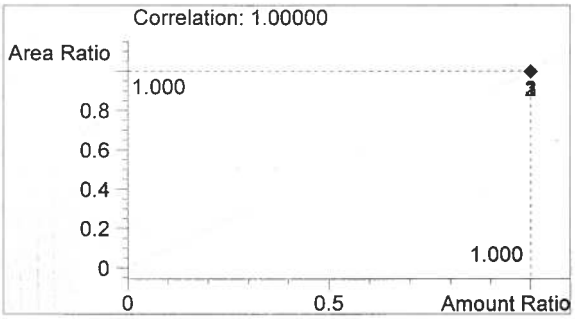


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1573	1.826

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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Sequence Parameters:

Operator:	Christie Mitchell
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:	110104CM
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 # A071132 - exp 03/2014
0.20 Control - Lot # A073849 - exp 07/2014

Sequence Table (Front Injector):

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 10062 #1	SIMALC3	1	Sample		
11	Vial 11	QAP 10062 #2	SIMALC3	1	Sample		
12	Vial 12	QAP 10062 #3	SIMALC3	1	Sample		
13	Vial 13	QAP 10062 #4	SIMALC3	1	Sample		
14	Vial 14	QAP 10062 #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 10063 #1	SIMALC3	1	Sample		
18	Vial 18	QAP 10063 #2	SIMALC3	1	Sample		
19	Vial 19	QAP 10063 #3	SIMALC3	1	Sample		
20	Vial 20	QAP 10063 #4	SIMALC3	1	Sample		
21	Vial 21	QAP 10063 #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 10064 #1	SIMALC3	1	Sample		
25	Vial 25	QAP 10064 #2	SIMALC3	1	Sample		
26	Vial 26	QAP 10064 #3	SIMALC3	1	Sample		
27	Vial 27	QAP 10064 #4	SIMALC3	1	Sample		
28	Vial 28	QAP 10064 #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 10065 #1	SIMALC3	1	Sample		
32	Vial 32	QAP 10065 #2	SIMALC3	1	Sample		

Calibration data filed with 10062

10062 CM
10063
10064 1/4/2011
10065 CM

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 10065 #3	SIMALC3	1	Sample		
34	Vial 34	QAP 10065 #4	SIMALC3	1	Sample		
35	Vial 35	QAP 10065 #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!

CM

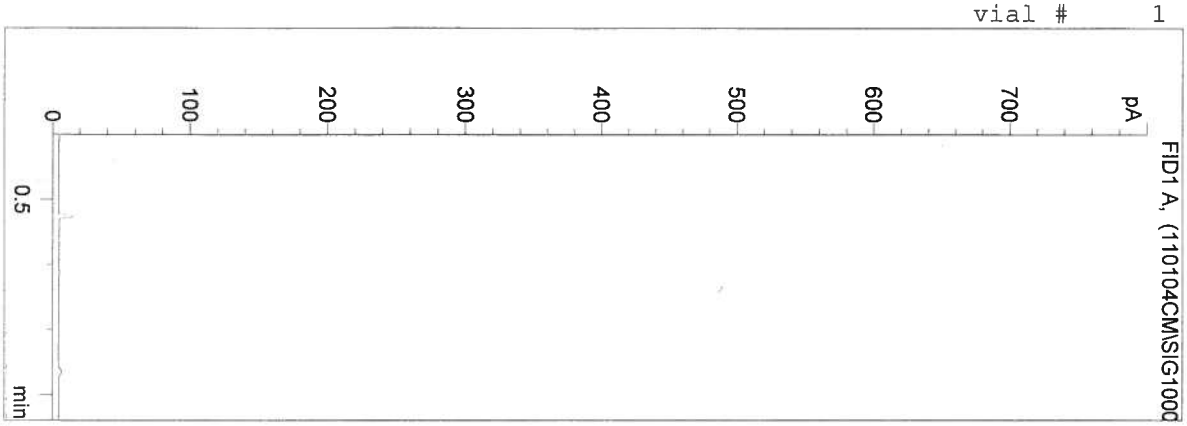
10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

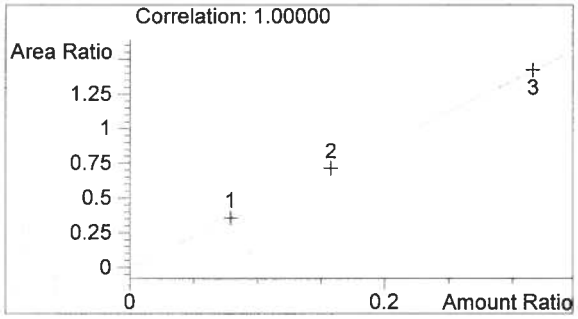
C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 10:26:12 AM
Instrument 3
db-alc2

BLANK
Christie Mitchell

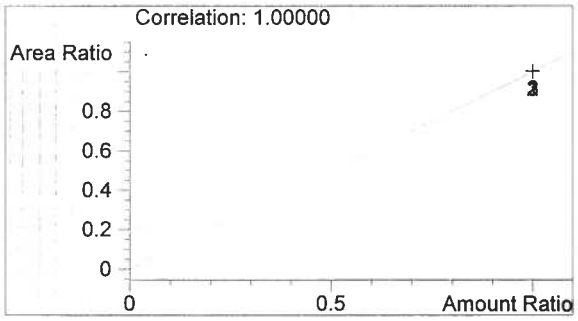
vial # 1



#	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

CM

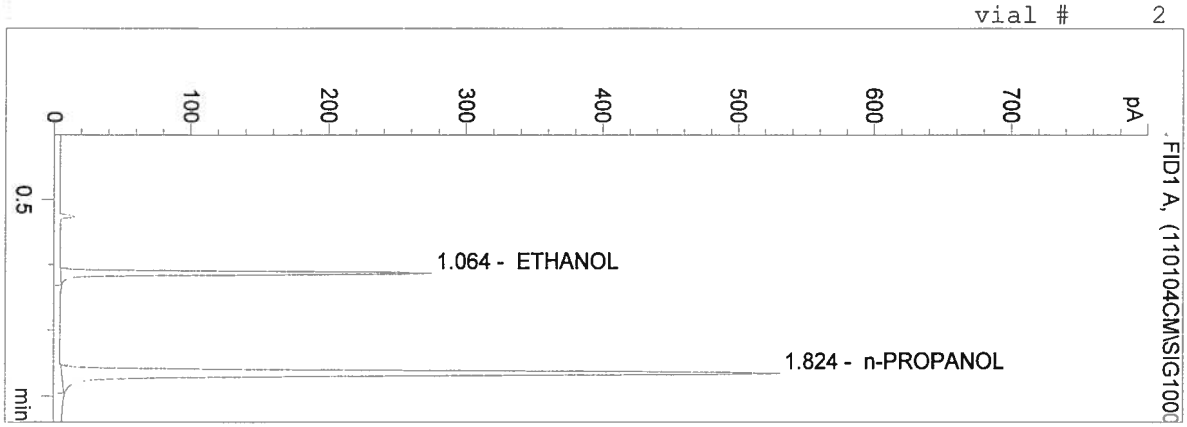
10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 10:29:19 AM
Instrument 3
db-alc2

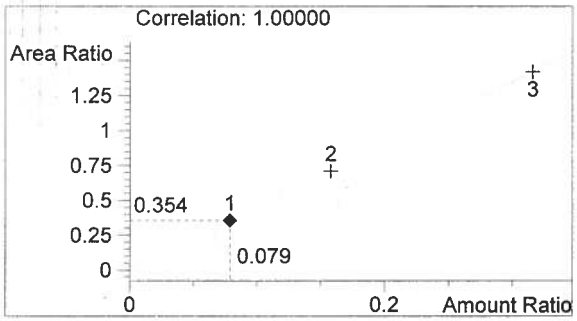
0.079 CAL 1
Christie Mitchell

vial # 2

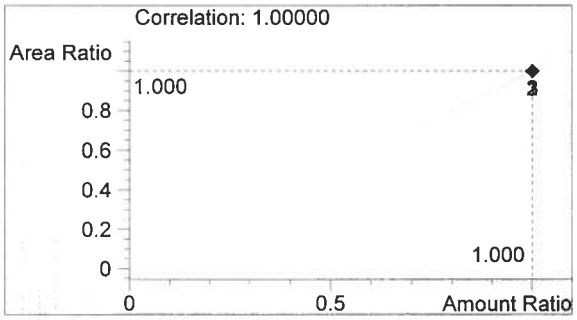


#	Compound	Area	RT
1	ETHANOL	511	1.064
2	n-PROPANOL	1441	1.824

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

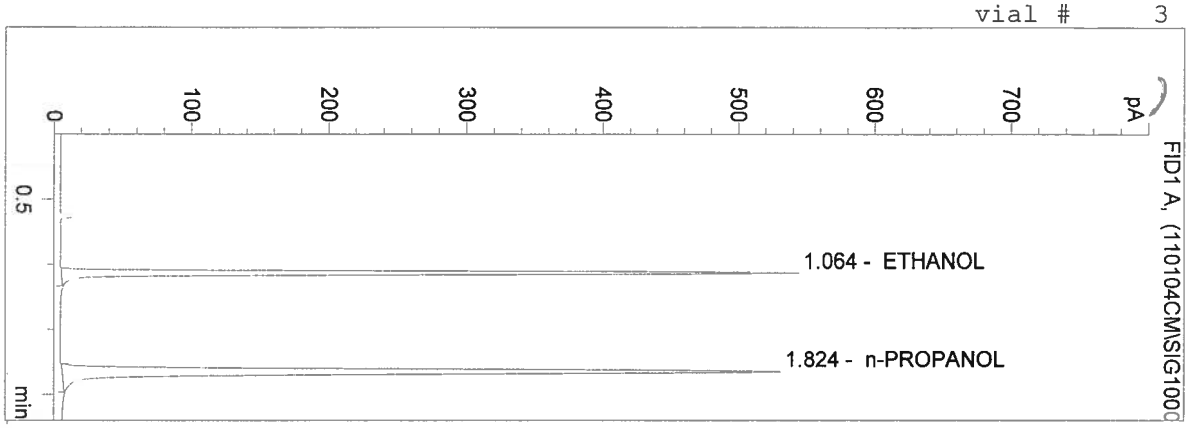
10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 10:32:26 AM
Instrument 3
db-alc2

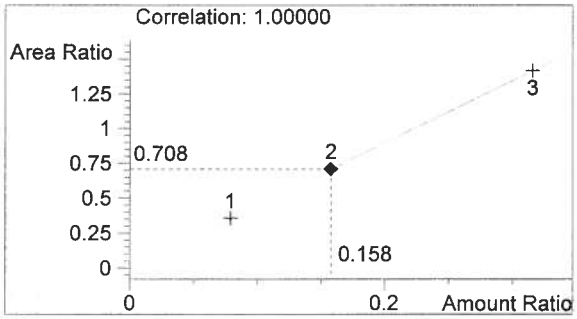
0.158 CAL 2
Christie Mitchell

vial # 3

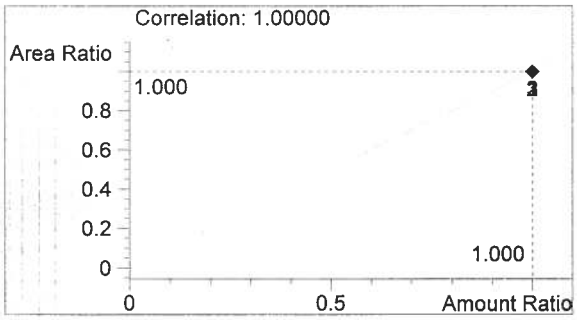


#	Compound	Area	RT
1	ETHANOL	1020	1.064
2	n-PROPANOL	1440	1.824

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

10063

10064

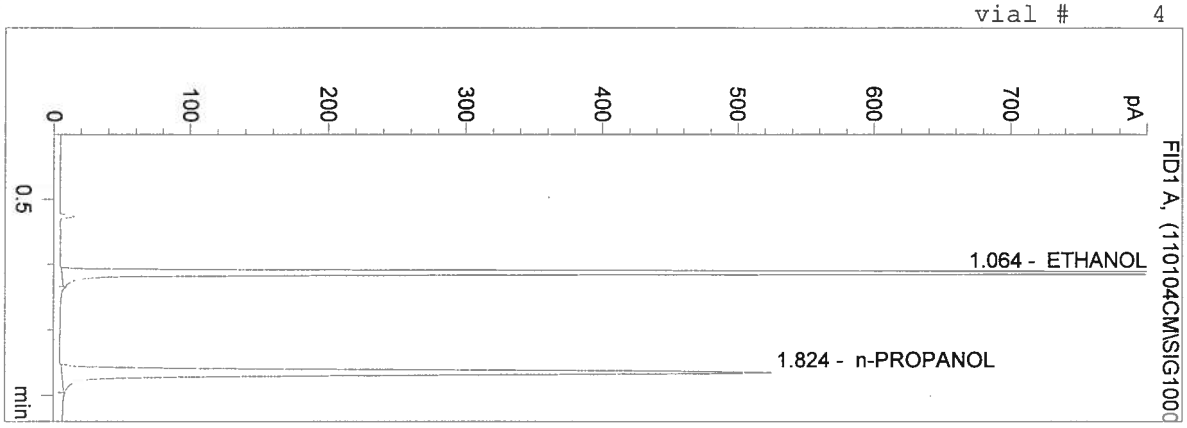
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 10:35:33 AM
Instrument 3
db-alc2

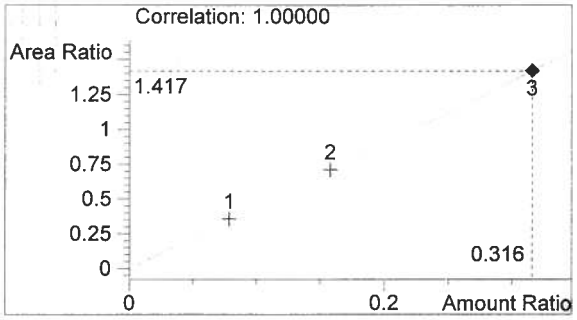
0.316 CAL 3
Christie Mitchell

vial # 4

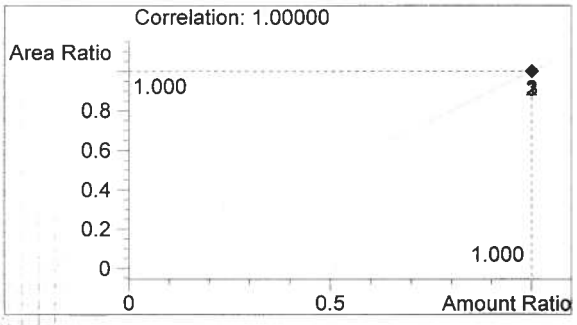


#	Compound	Area	RT
1	ETHANOL	2014	1.064
2	n-PROPANOL	1422	1.824

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

CM

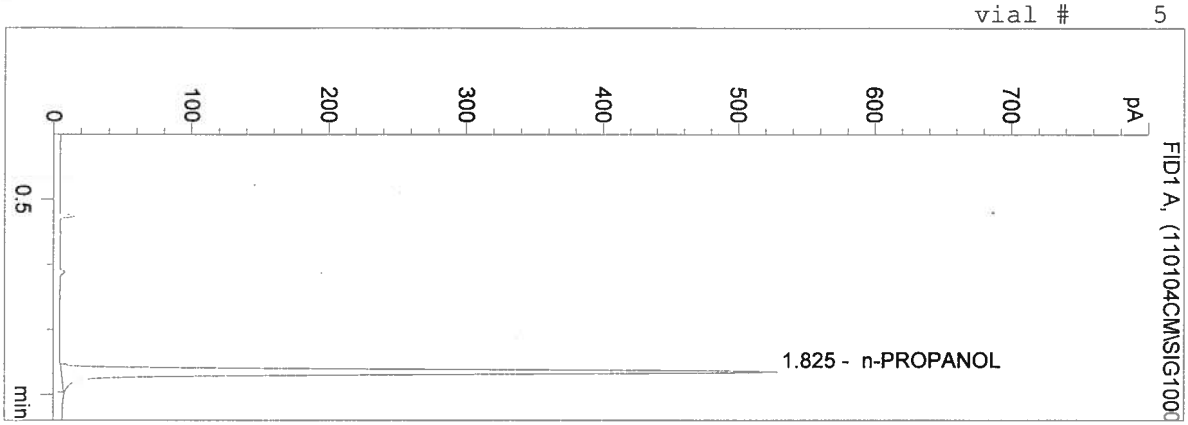
10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 10:38:41 AM
Instrument 3
db-alc2

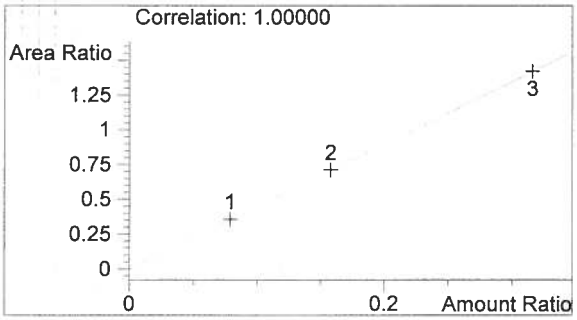
NEG CTRL-CM
Christie Mitchell

vial # 5

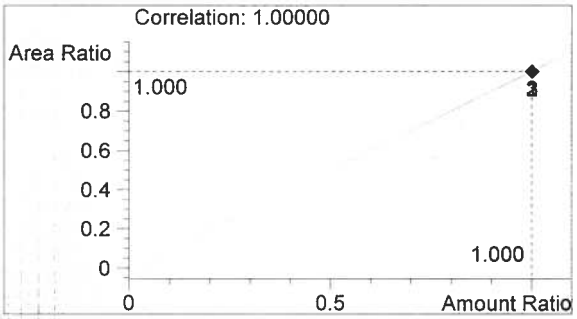


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1434	1.825

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

10063

10064

10065

WASHINGTON STATE TOXICOLOGY LABORATORY

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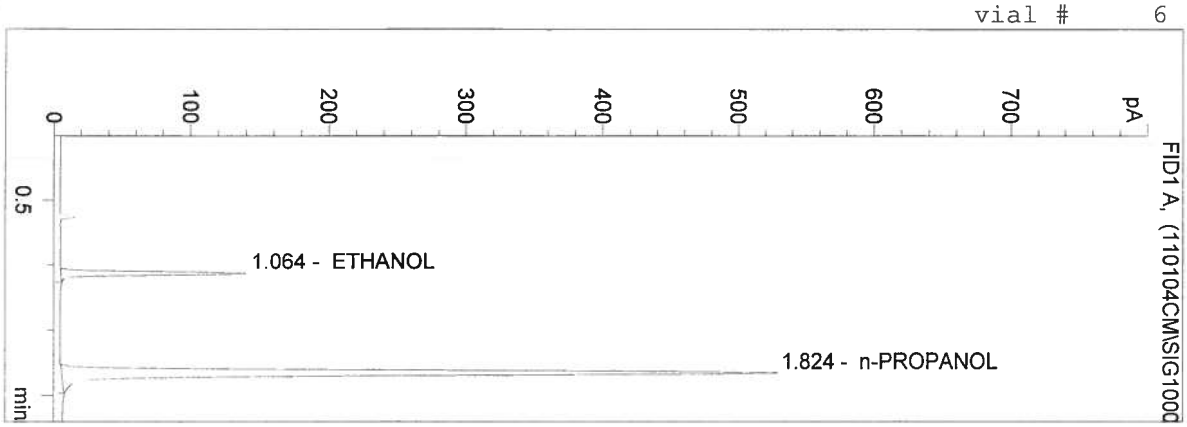
1/4/2011 10:41:48 AM
Instrument 3
db-alc2

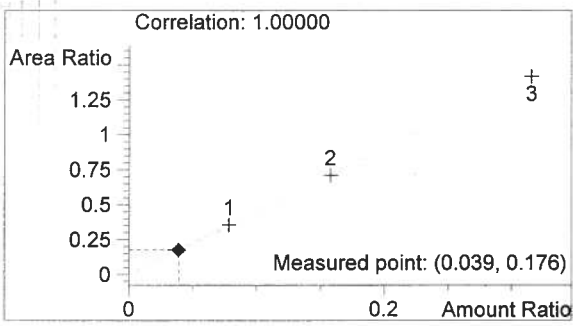
0.04 CTRL-CM
Christie Mitchell

vial # 6

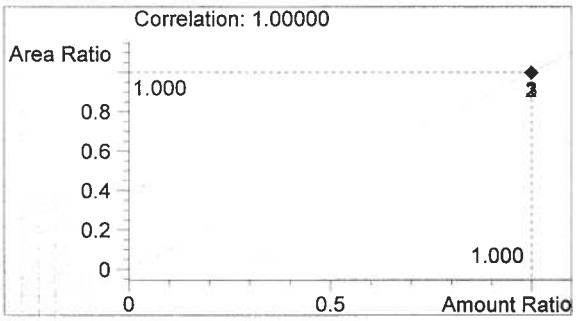


#	Compound	Area	RT
1	ETHANOL	253	1.064
2	n-PROPANOL	1435	1.824

Totals:



ETHANOL 0.039 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062
10063
10064
10065

WASHINGTON STATE TOXICOLOGY LABORATORY

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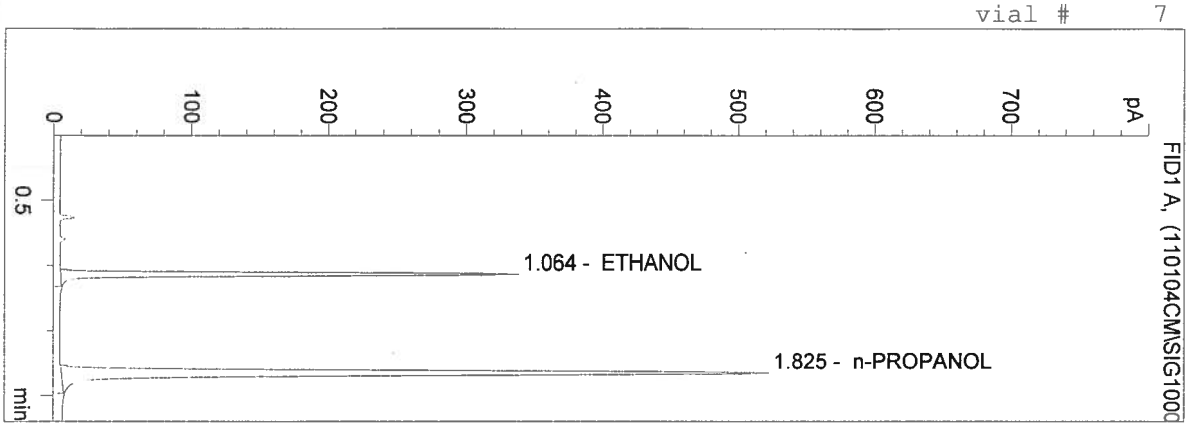
1/4/2011 10:44:55 AM
Instrument 3
db-alc2

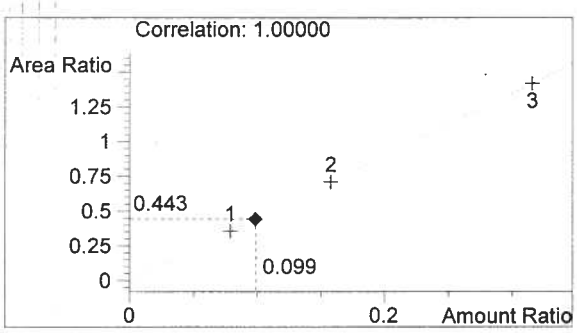
0.10 CTRL-CM
Christie Mitchell

vial # 7

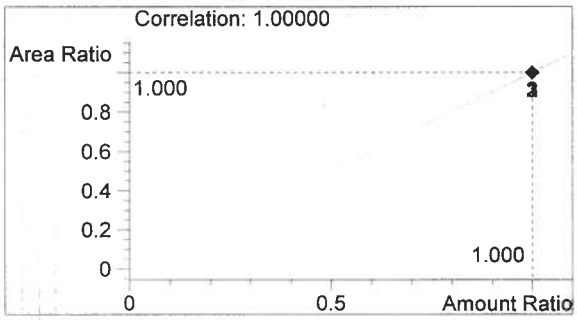


#	Compound	Area	RT
1	ETHANOL	628	1.064
2	n-PROPANOL	1416	1.825

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

10063

10064

10065

WASHINGTON STATE TOXICOLOGY LABORATORY

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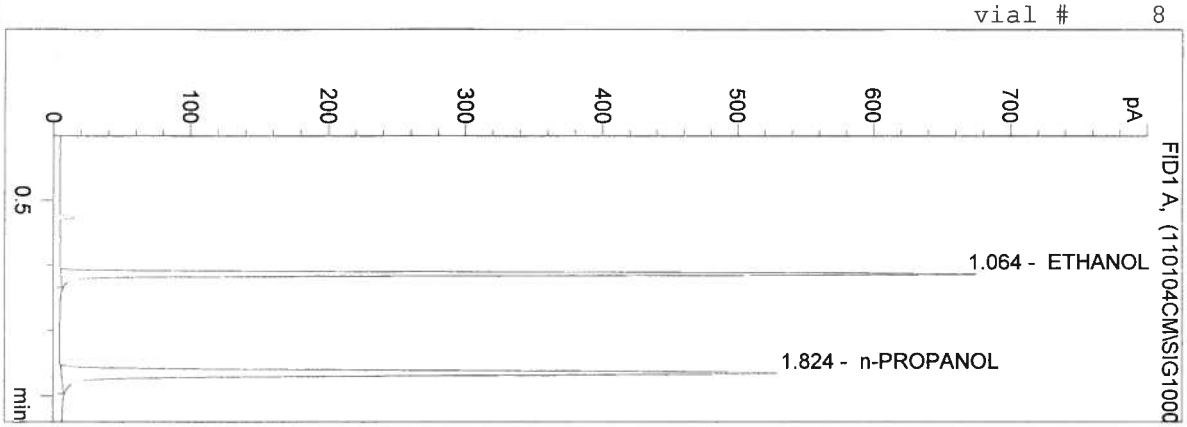
1/4/2011 10:48:02 AM
Instrument 3
db-alc2

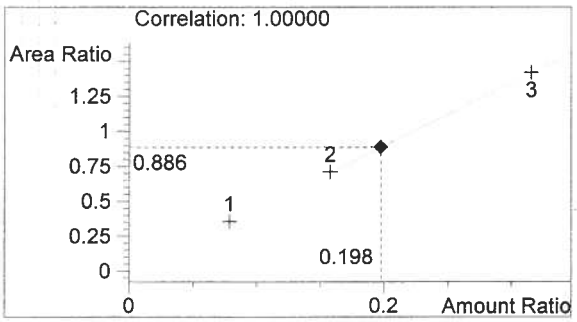
0.20 CTRL-CM
Christie Mitchell

vial # 8

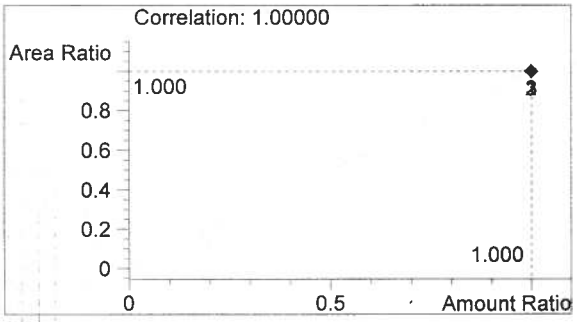


#	Compound	Area	RT
1	ETHANOL	1269	1.064
2	n-PROPANOL	1433	1.824

Totals:



ETHANOL 0.198 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

10063

10064

10065

WASHINGTON STATE TOXICOLOGY LABORATORY

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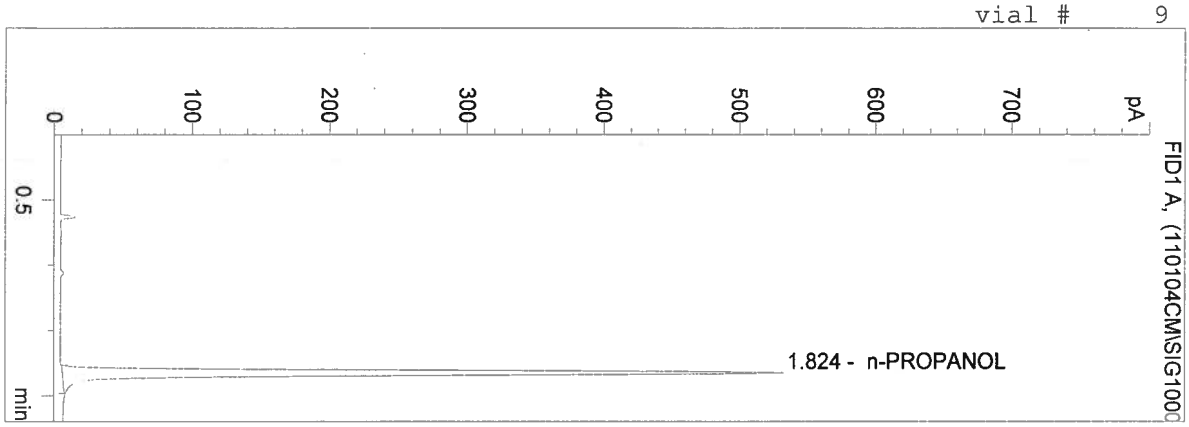
1/4/2011 10:51:09 AM
Instrument 3
db-alc2

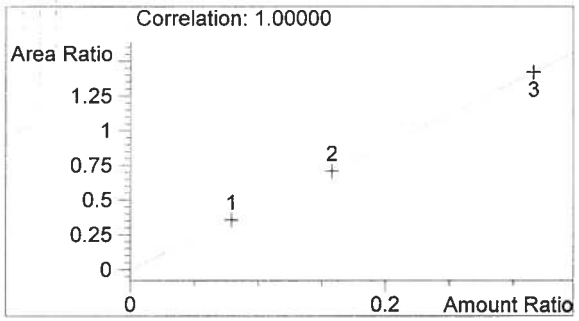
NEG CTRL-CM
Christie Mitchell

vial # 9

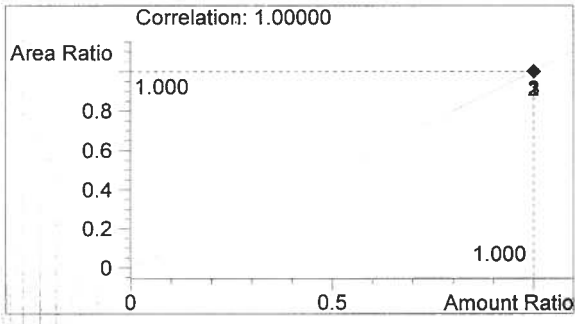


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1446	1.824

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

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10064

10065

WASHINGTON STATE TOXICOLOGY LABORATORY

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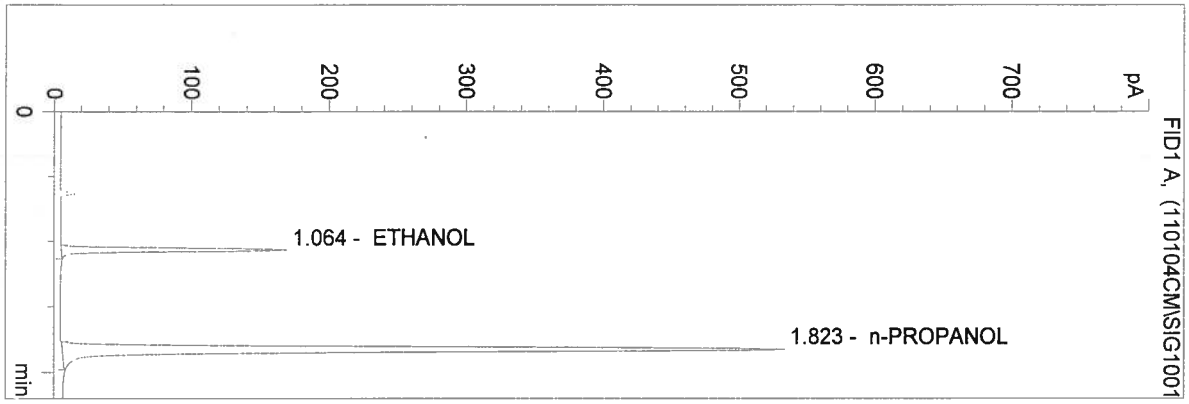
1/4/2011 10:54:16 AM
Instrument 3
db-alc2

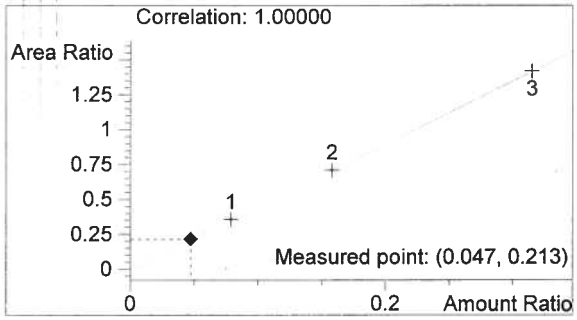
QAP 10062 #1
Christie Mitchell

vial # 10

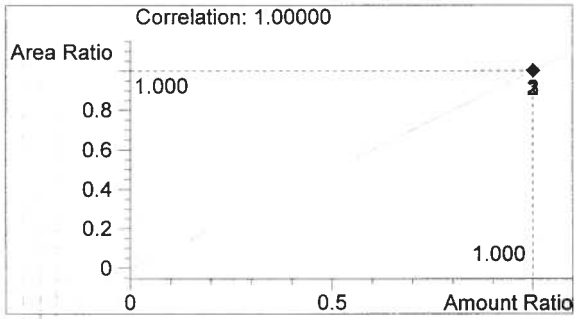


#	Compound	Area	RT
1	ETHANOL	308	1.064
2	n-PROPANOL	1448	1.823

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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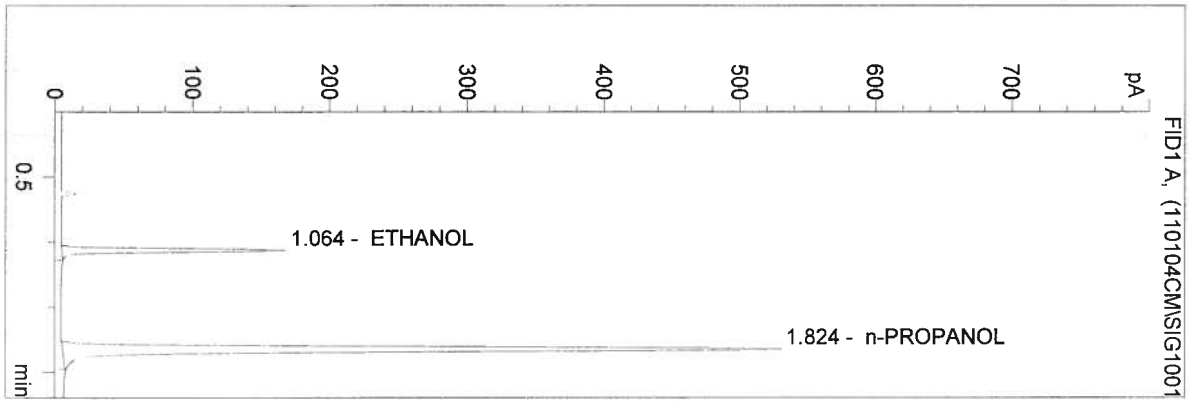
1/4/2011 10:57:23 AM
Instrument 3
db-alc2

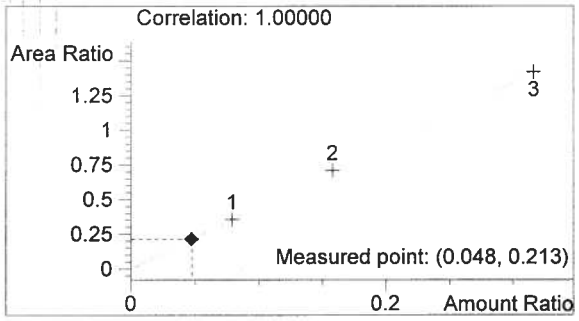
QAP 10062 #2
Christie Mitchell

vial # 11

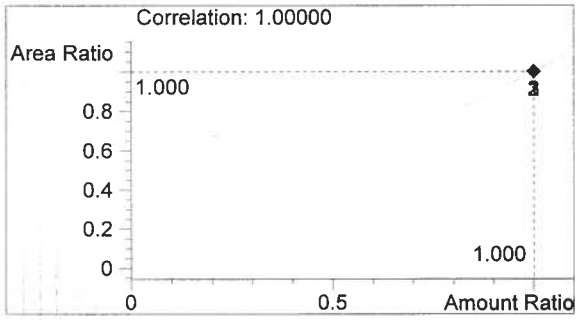


#	Compound	Area	RT
1	ETHANOL	308	1.064
2	n-PROPANOL	1444	1.824

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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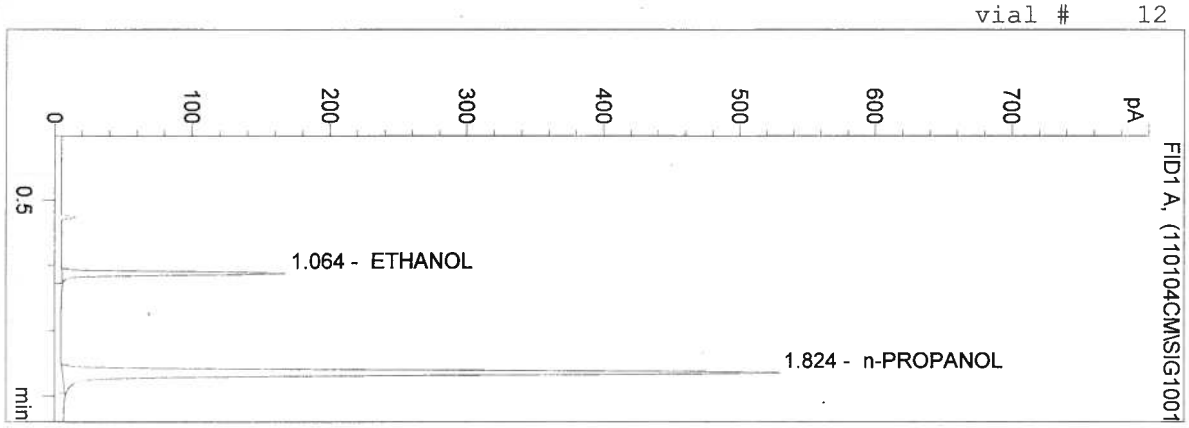
1/4/2011 11:00:31 AM
Instrument 3
db-alc2

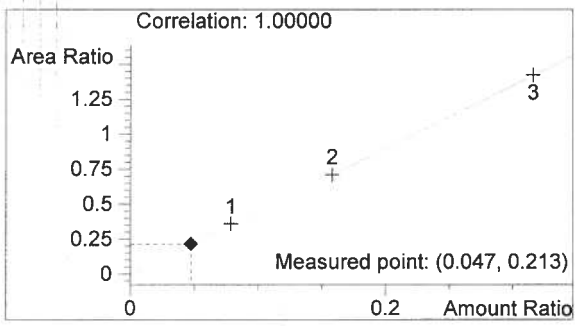
QAP 10062 #3
Christie Mitchell

vial # 12

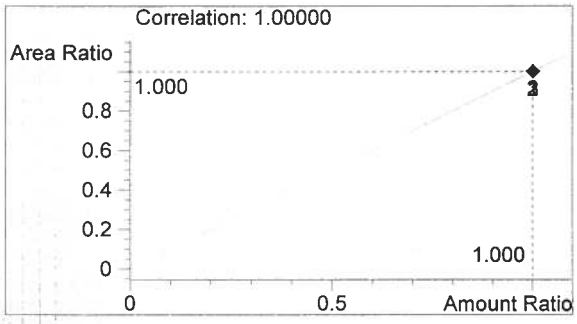


#	Compound	Area	RT
1	ETHANOL	307	1.064
2	n-PROPANOL	1440	1.824

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

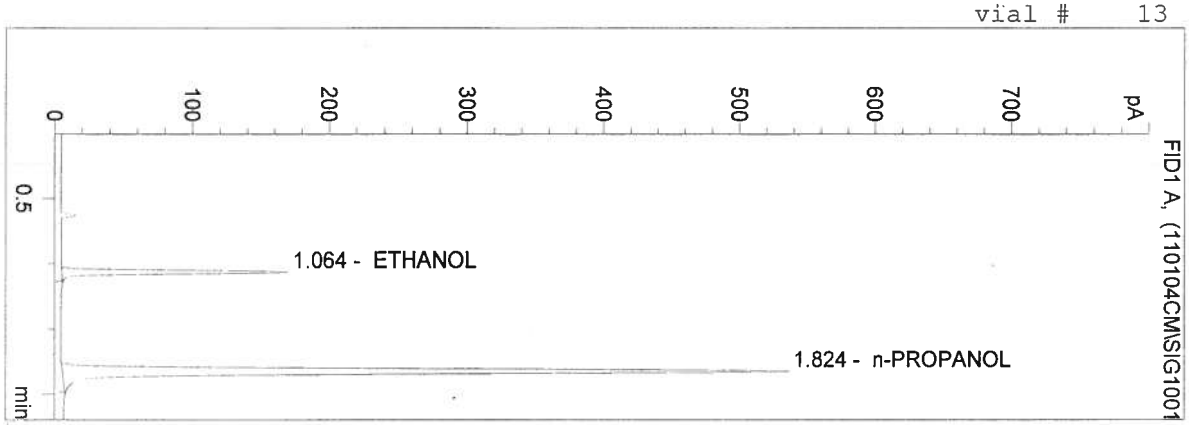
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 11:03:38 AM
Instrument 3
db-alc2

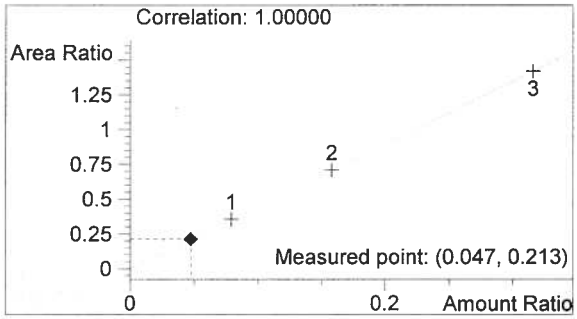
QAP 10062 #4
Christie Mitchell

vial # 13

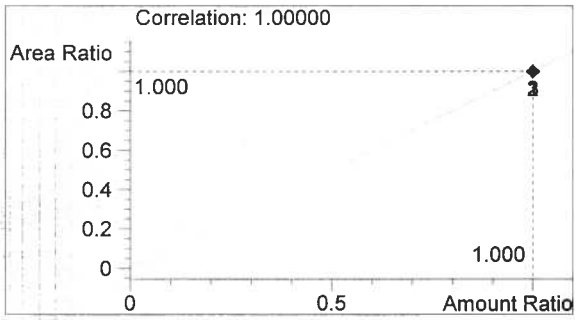


#	Compound	Area	RT
1	ETHANOL	310	1.064
2	n-PROPANOL	1456	1.824

Totals:



ETHANOL 0.047 g/100ml



n-PROPANOL 1.000 g/100ml

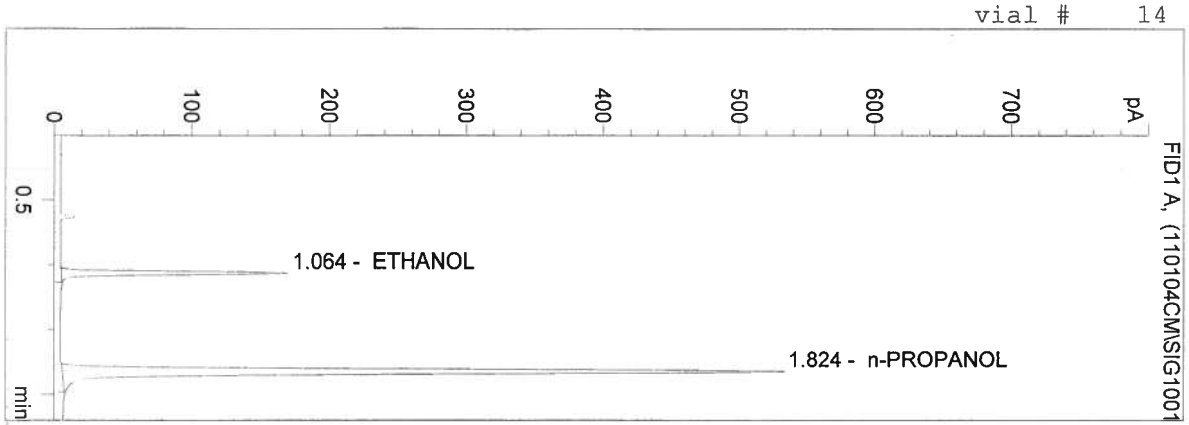
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 11:06:45 AM
Instrument 3
db-alc2

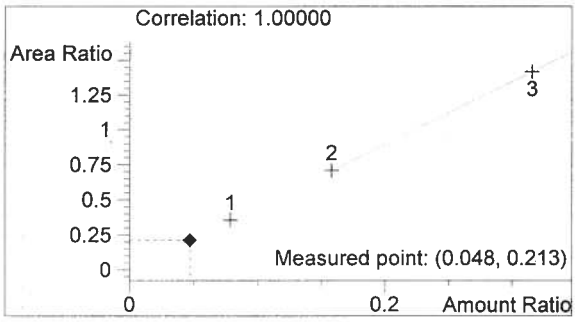
QAP 10062 #5
Christie Mitchell

vial # 14

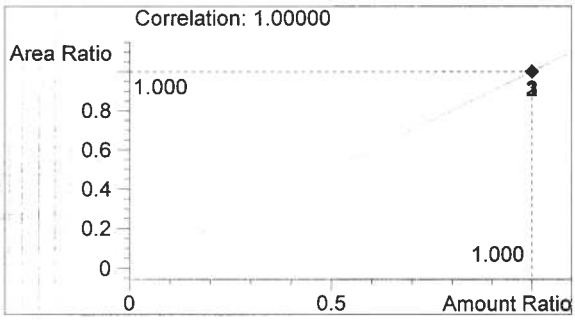


#	Compound	Area	RT
1	ETHANOL	308	1.064
2	n-PROPANOL	1443	1.824

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

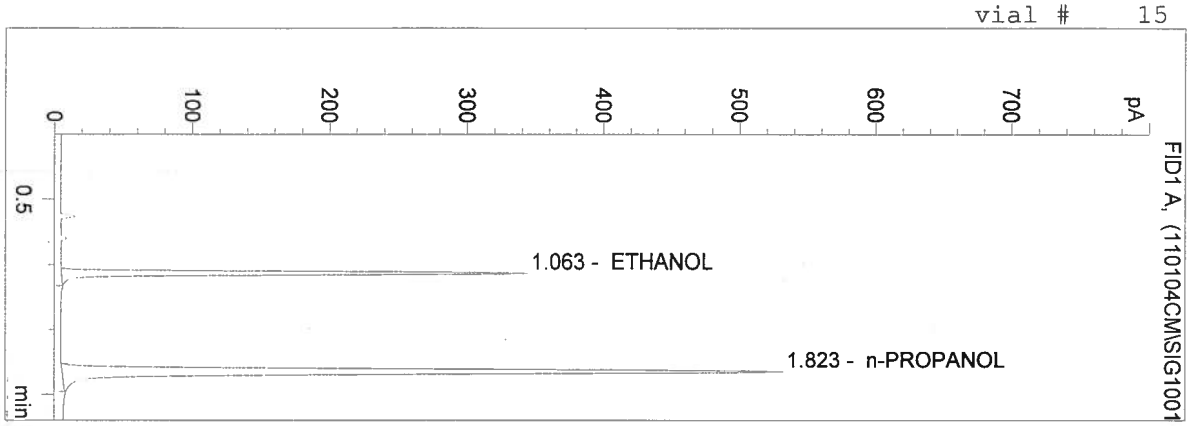
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

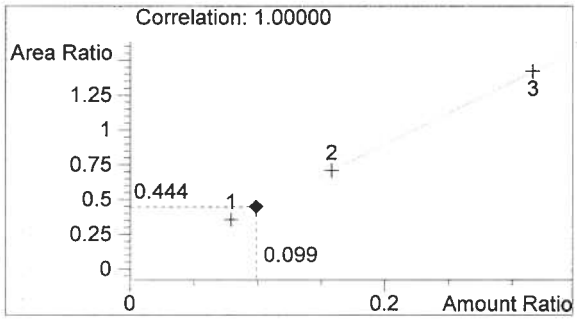
C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 11:09:52 AM
Instrument 3
db-alc2

0.10 CTRL-CM
Christie Mitchell

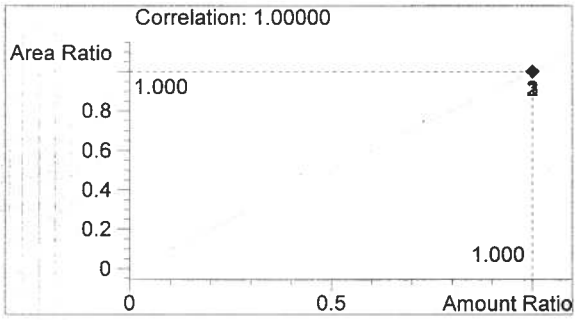
vial # 15



#	Compound	Area	RT
1	ETHANOL	641	1.063
2	n-PROPANOL	1443	1.823
Totals:			



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM

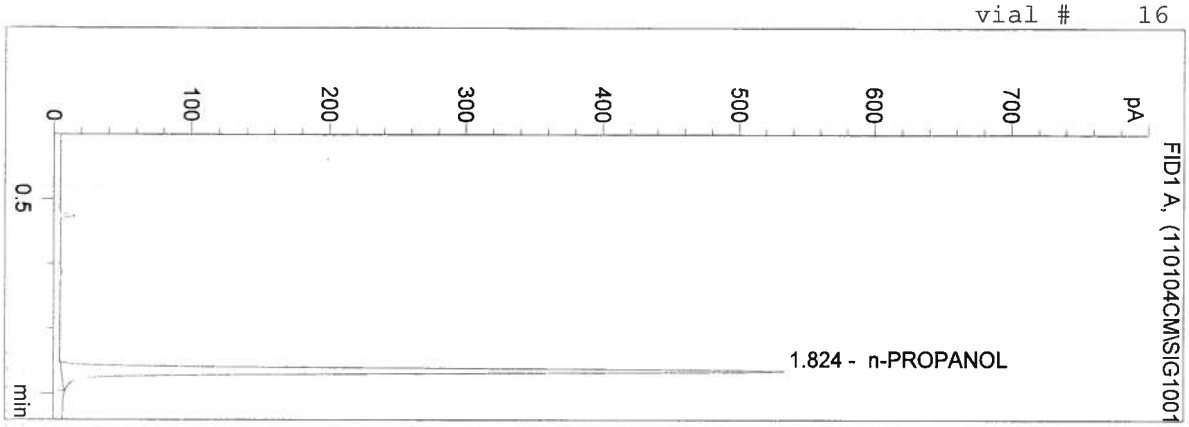
10062

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/4/2011 11:12:59 AM
Instrument 3
db-alc2

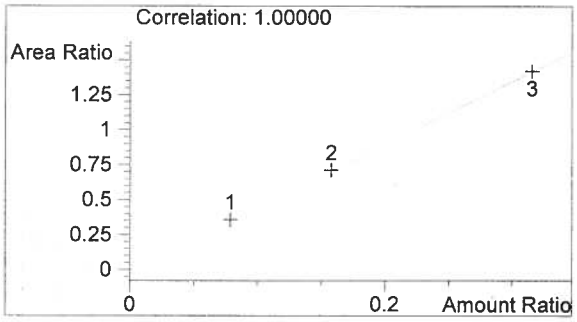
NEG CTRL-CM
Christie Mitchell

vial # 16

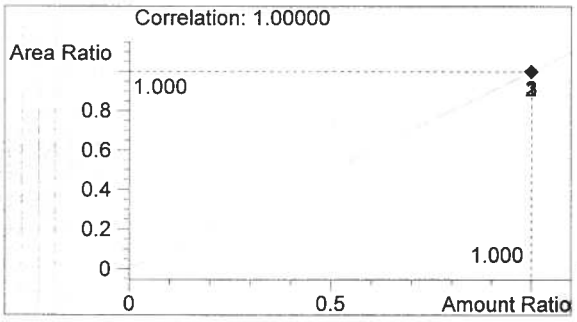


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1453	1.824

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

10062

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

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

Preparation Date: 12/29/10 Initials of Preparer: DC

Expiration Date: 12/29/11

Lot # of 200-proof Ethanol used in preparation: ZQ0777

Date the 200-proof Ethanol bottle was opened: 11/30/10

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	☑	10062
QAP 0.08	22.4	18	☑	10063
QAP 0.10	28.1	18	☑	10064
QAP 0.15	42.0	18	☑	10065
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 ☑ 12/29/10 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:

Dawn Ele
Analyst Signature

12/29/10
Date