Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Rod Gullberg + Randolph Vranish **Date:** 8-10-2009

Location: TOX LAB- SEATTLE **Solution Batch Number:** 09028

	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: [signature] **Date:** 8-10-2009

Reviewer Signature: [signature] **Date:** 8-10-2009

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 09028

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: 07/14/2009
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa Louis

	AL	RF	CM
1	0.048	0.050	0.049
2	0.048	0.050	0.049
3	0.048	0.049	0.049
4	0.048	0.049	0.049
5	0.048	0.049	0.049
C	0.096	0.099	0.099

ETHANOL CONTROL INFORMATION
LOT NUMBER: A064767 EXPIRATION: 04/2013 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0488 g/100mL
STANDARD DEVIATION: 0.00068

PRECISION CV (%): 1.39
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0397 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L. Pemberton FS-5
Melissa L. Pemberton Forensic Scientist Supervisor

8/11/09
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AL	Asa Louis		07/14/2009
RF	Rebecca Flaherty		07/16/2009
CM	Christie Mitchell		07/17/2009

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 #: 09028 **Date Prepared:** 7/14/2009

Analyst:	AL	RF	CM
Date Tested:	7/14/2009	7/16/2009	7/17/2009
Instrument:	HS#3	HS#3	HS#3
1	0.048	0.050	0.049
2	0.048	0.050	0.049
3	0.048	0.049	0.049
4	0.048	0.049	0.049
5	0.048	0.049	0.049
C	0.096	0.099	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000000900	0.0000127974	0.0001041233	0.0005333333	0.0001016326

Ethanol Control Lot #: A064767
Control Uncertainty (%): 0.03
Maximum (-) Control Bias: 0.004
Maximum (+) Control Bias: 0.000

Average Solution Concentration: 0.0488 g/100mL
Standard Deviation: 0.00068 g/100mL
Precision CV (%): 1.39
Equivalent Vapor Concentration: 0.0397 g/210L
Combined Standard Uncertainty (±): 0.0011 g/210L

Calculations performed by: Melissa L. Pemberton Melissa L. Pemberton 9/11/09
Name Signature Date

Calculations verified by: ROA G. GULLBERG R G Gullberg 9-16-09 Method: EXCEL
Name Signature Date

Tech. review performed by: Melissa L. Pemberton Melissa L. Pemberton 9/11/09
Name Signature Date

SOLUTION CERTIFICATE REVIEW

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

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 certificate
3) Signed the certificate

	Initials	Date
Amanda Black		
Asa Louis	AL	20090804
Brian Capron		
Brianna Peterson		
Brianne Akins		
Brittany Ball		
Christie Mitchell	CM	8/4/2009
Christopher Johnston		
Estuardo Miranda		
Gwynyth Scherperel		
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	8/4/2009
Sarah Swenson		

09028

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 09028

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 eight years of toxicology experience.

The qap solution, Lot Number 09028, was prepared in the Washington State Toxicology Laboratory on 7/14/2009. 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 should not be used for evidential breath tests after 7/14/2010.

Seattle, WA

20090804

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
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 09028

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 09028, was prepared in the Washington State Toxicology Laboratory on 7/14/2009. 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 should not be used for evidential breath tests after 7/14/2010.

Seattle, WA

8/4/2009

Rebecca Flaherty — Date

Forensic Toxicologist

RF/ik

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 09028

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 09028, was prepared in the Washington State Toxicology Laboratory on 7/14/2009. 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 should not be used for evidential breath tests after 7/14/2010.

Seattle, WA

Christie Mitchell 8/4/2009

Christie Mitchell Date

Forensic Toxicologist

CM/ik

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:	090714AL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A061507 - exp 11/2012
0.10 Control - Lot # A064767 - exp 04/2013
0.20 Control - Lot # A064522 - exp 04/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC	1	Calib		
5	Vial 5	neg ctrl - al	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC	1	Ctrl Samp		
10	Vial 10	qap0.04 09028 #1	SIMALC	1	Sample		
11	Vial 11	qap0.04 09028 #2	SIMALC	1	Sample		
12	Vial 12	qap0.04 09028 #3	SIMALC	1	Sample		
13	Vial 13	qap0.04 09028 #4	SIMALC	1	Sample		
14	Vial 14	qap0.04 09028 #5	SIMALC	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC	1	Ctrl Samp		
17	Vial 17	qap0.08 09029 #1	SIMALC	1	Sample		
18	Vial 18	qap0.08 09029 #2	SIMALC	1	Sample		
19	Vial 19	qap0.08 09029 #3	SIMALC	1	Sample		
20	Vial 20	qap0.08 09029 #4	SIMALC	1	Sample		
21	Vial 21	qap0.08 09029 #5	SIMALC	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC	1	Ctrl Samp		
24	Vial 24	qap0.10 09030 #1	SIMALC	1	Sample		
25	Vial 25	qap0.10 09030 #2	SIMALC	1	Sample		
26	Vial 26	qap0.10 09030 #3	SIMALC	1	Sample		
27	Vial 27	qap0.10 09030 #4	SIMALC	1	Sample		
28	Vial 28	qap0.10 09030 #5	SIMALC	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC	1	Ctrl Samp		
31	Vial 31	qap0.15 09031 #1	SIMALC	1	Sample		
32	Vial 32	qap0.15 09031 #2	SIMALC	1	Sample		

Calibrators here

AL
20090714

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	qap0.15 09031 #3	SIMALC	1	Sample		
34	Vial 34	qap0.15 09031 #4	SIMALC	1	Sample		
35	Vial 35	qap0.15 09031 #5	SIMALC	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

* 20090714

* 20090804

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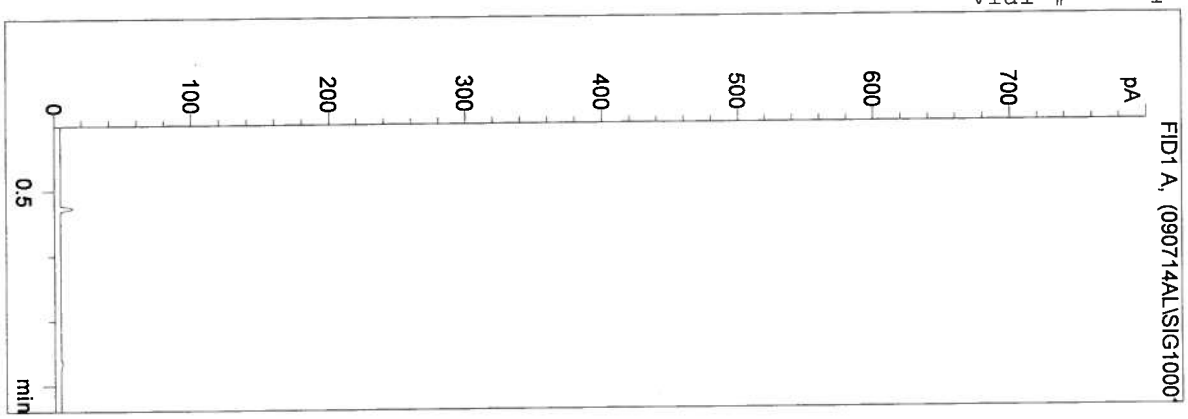
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:26:28 AM
Instrument 3
db-alc2

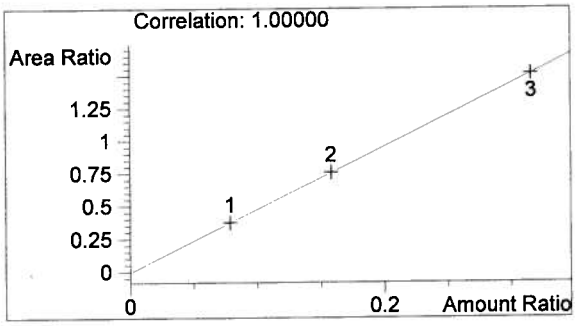
blank
asa louis

vial # 1

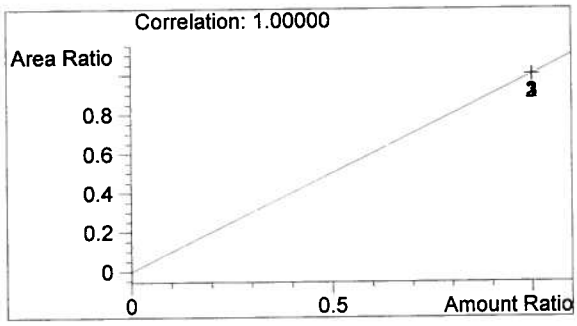


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

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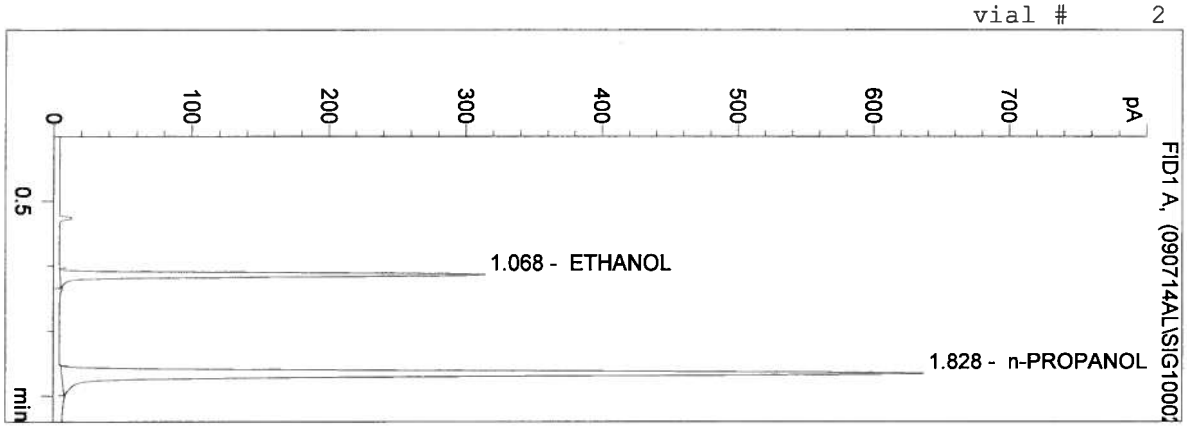
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:29:36 AM
Instrument 3
db-alc2

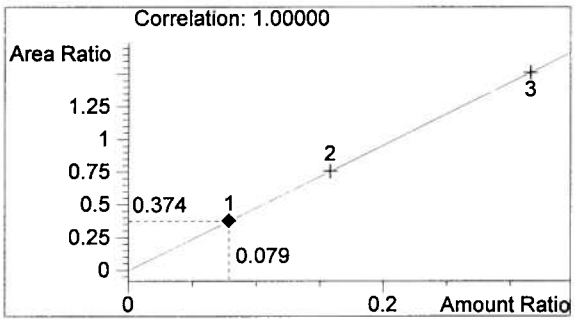
0.079 cal 1
asa louis

vial # 2

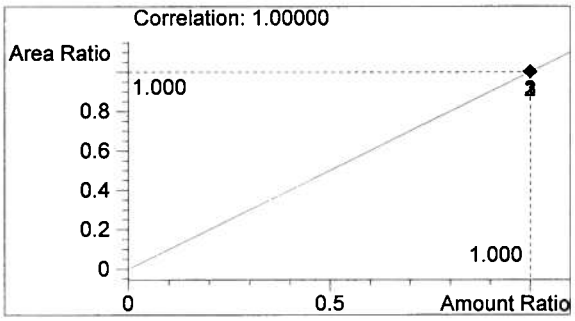


#	Compound	Area	RT
1	ETHANOL	683	1.068
2	n-PROPANOL	1824	1.828

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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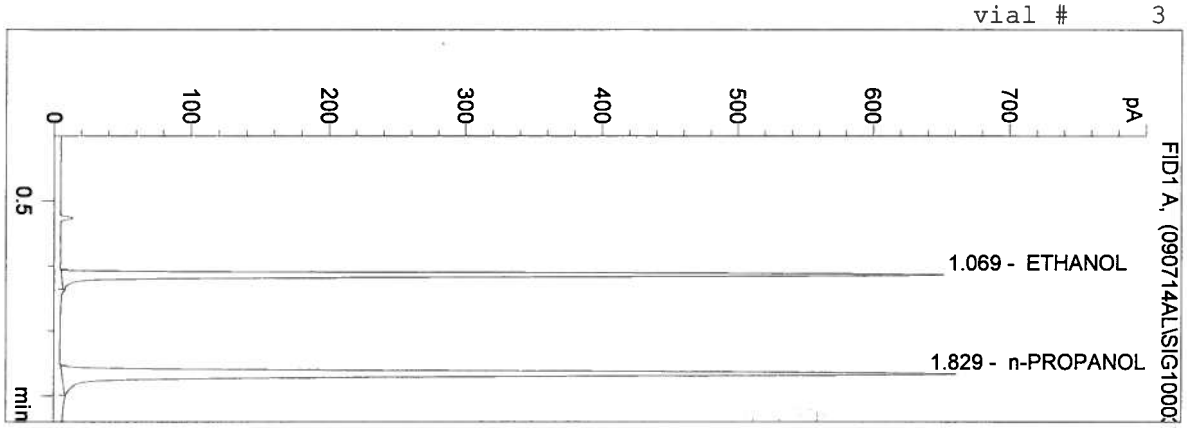
7/14/2009 10:32:43 AM
Instrument 3
db-alc2

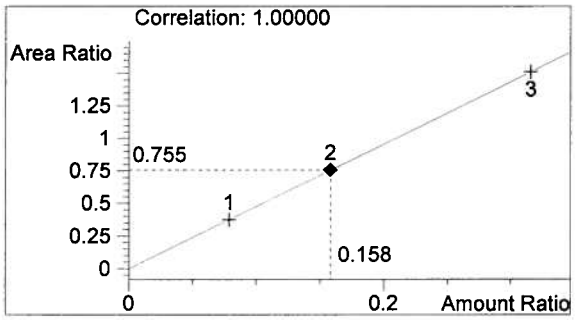
0.158 cal 2
asa louis

vial # 3

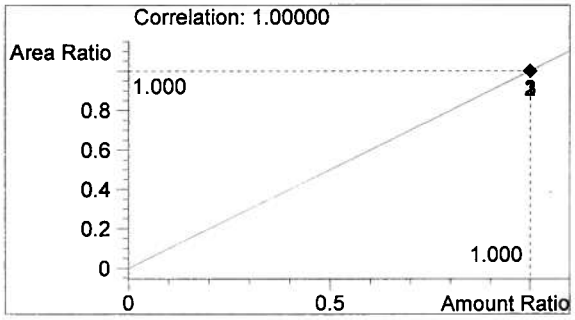


#	Compound	Area	RT
1	ETHANOL	1428	1.069
2	n-PROPANOL	1890	1.829

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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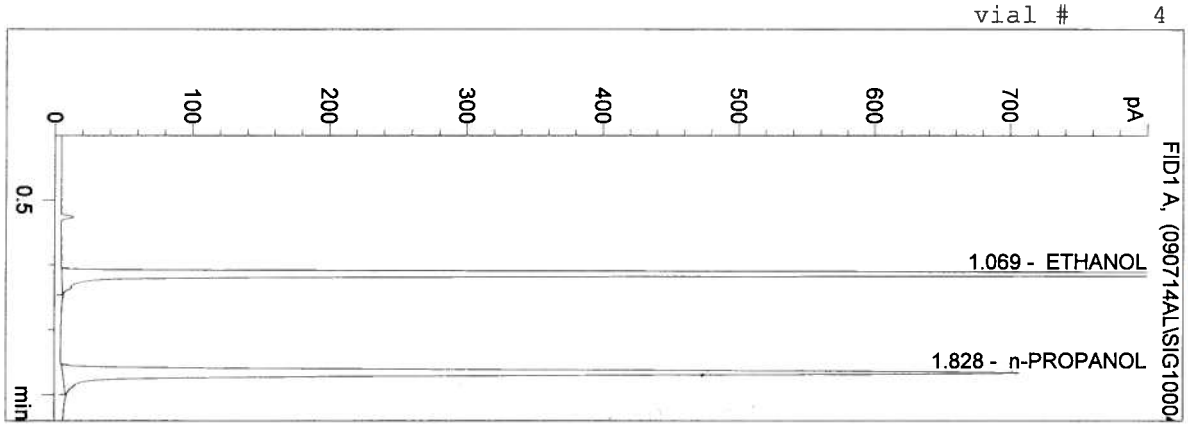
7/14/2009 10:35:51 AM
Instrument 3
db-alc2

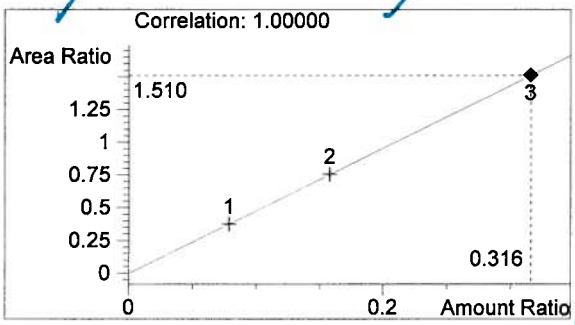
0.316 cal 3
asa louis

vial # 4

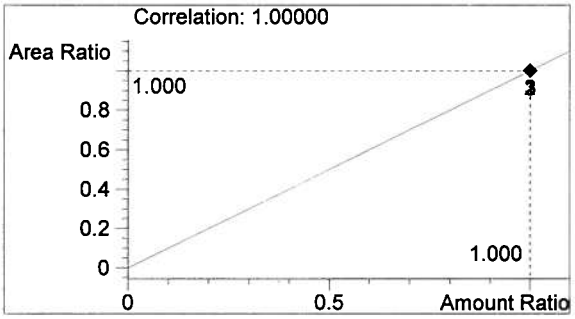


#	Compound	Area	RT
1	ETHANOL	3053	1.069
2	n-PROPANOL	2022	1.828

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

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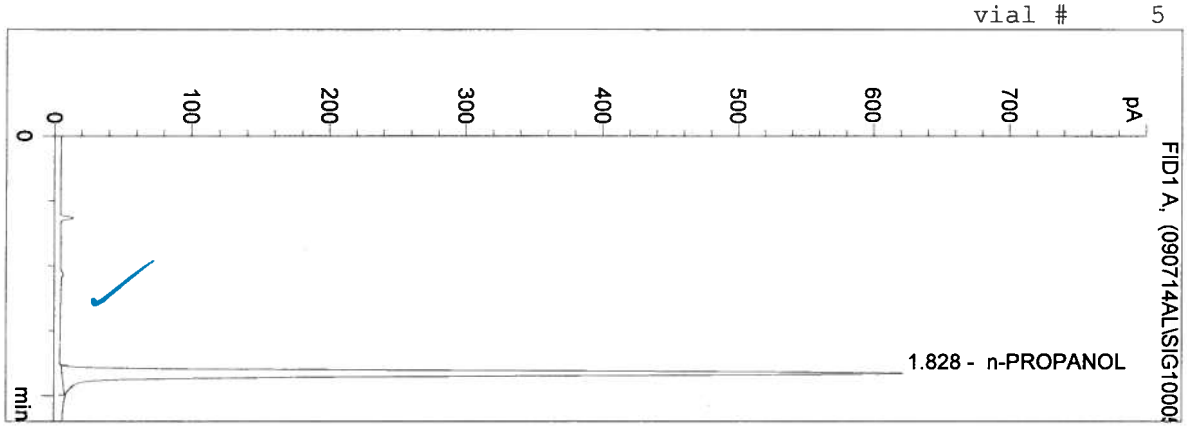
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:38:59 AM
Instrument 3
db-alc2

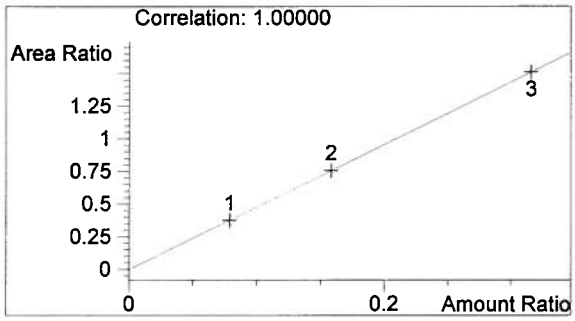
neg ctrl - al
asa louis

vial # 5

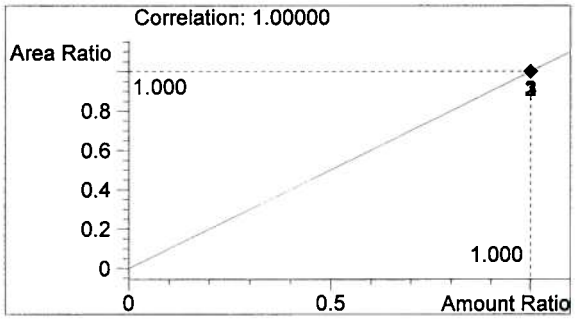


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1781	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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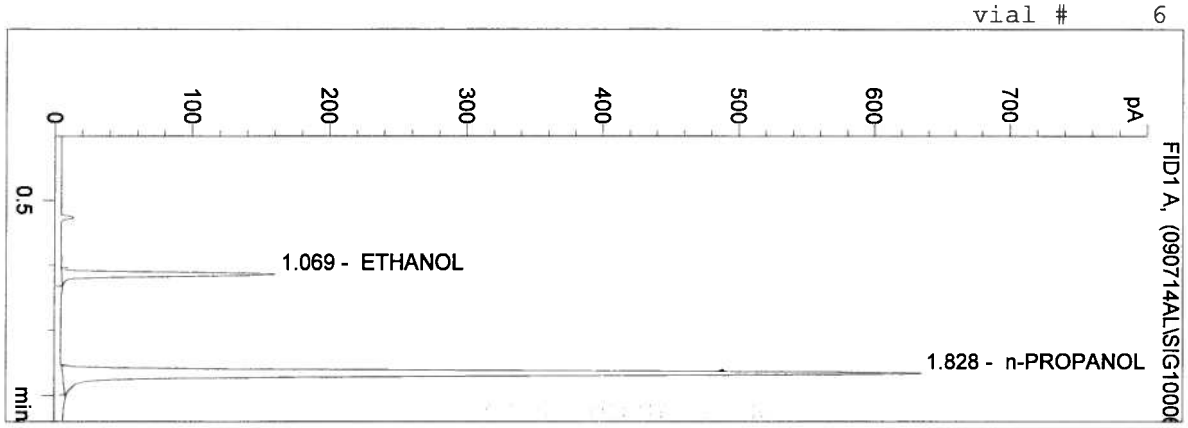
Instrument 3
db-alc2

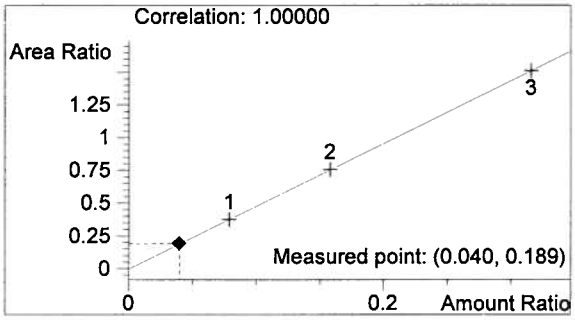
0.04 ctrl - al
asa louis

vial # 6

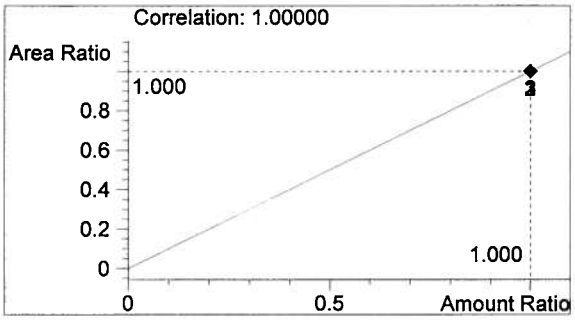


#	Compound	Area	RT
1	ETHANOL	344	1.069
2	n-PROPANOL	1817	1.828

Totals:



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

AL 20090714

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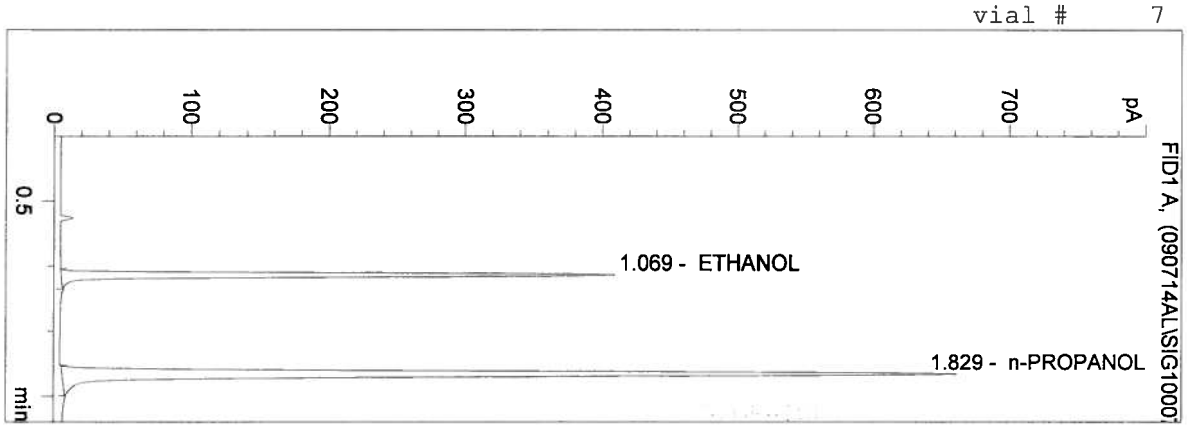
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:45:15 AM
Instrument 3
db-alc2

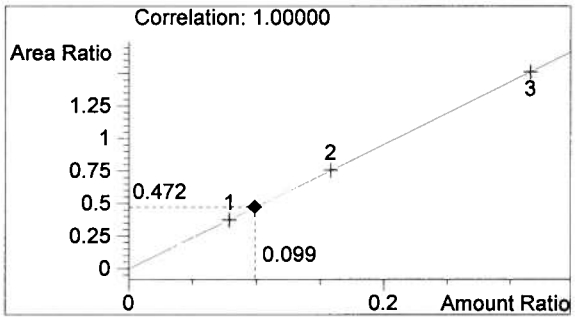
0.10 ctrl - al
asa louis

vial # 7

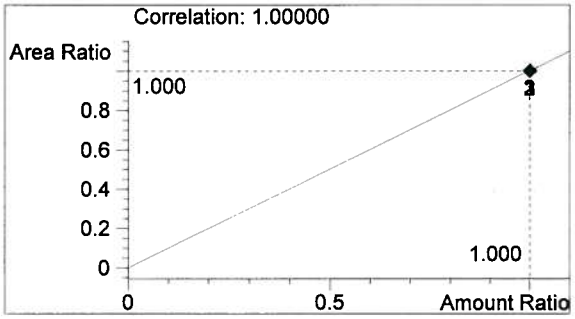


#	Compound	Area	RT
1	ETHANOL	894	1.069
2	n-PROPANOL	1894	1.829

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

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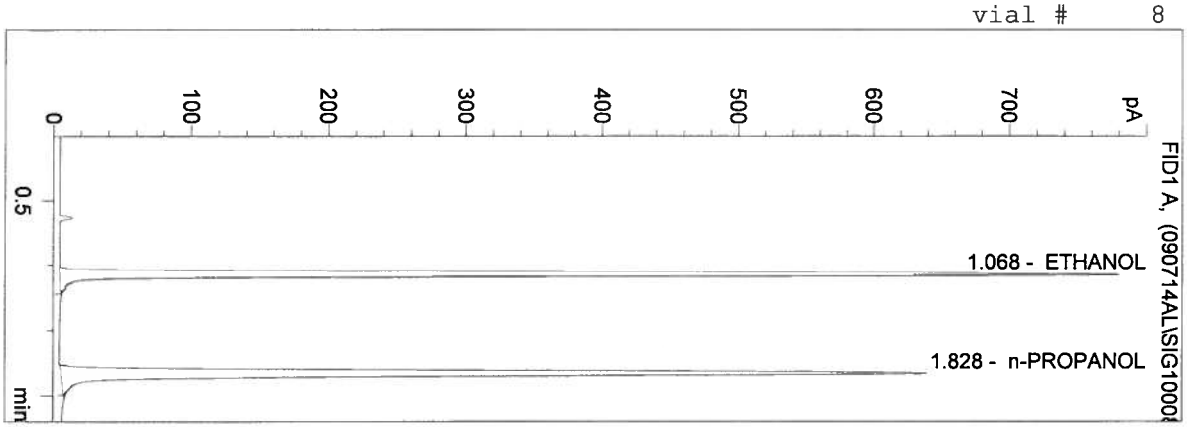
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:48:22 AM
Instrument 3
db-alc2

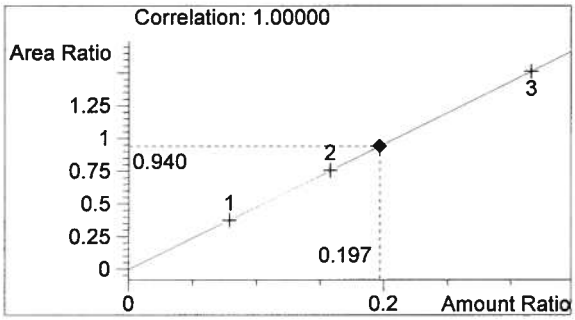
0.20 ctrl - al
asa louis

vial # 8

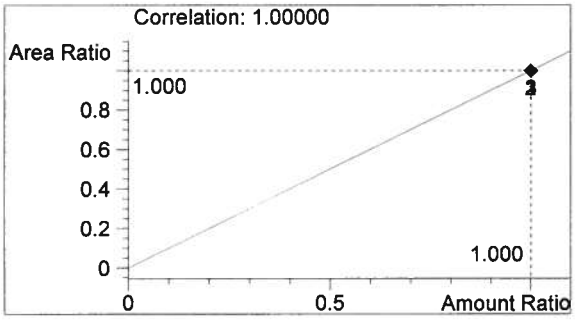


#	Compound	Area	RT
1	ETHANOL	1721	1.068
2	n-PROPANOL	1831	1.828

Totals:



ETHANOL 0.197 g/100ml



n-PROPANOL 1.000 g/100ml

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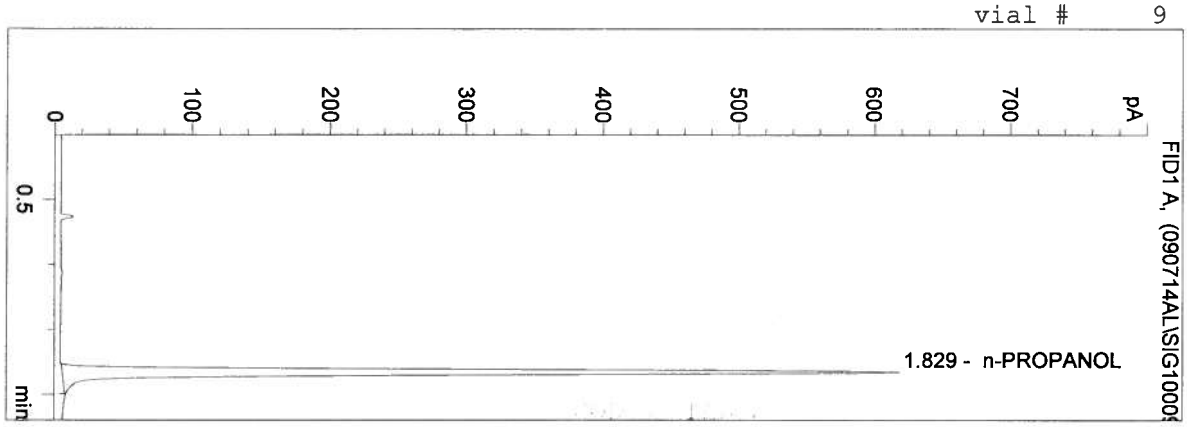
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/14/2009 10:51:30 AM
Instrument 3
db-alc2

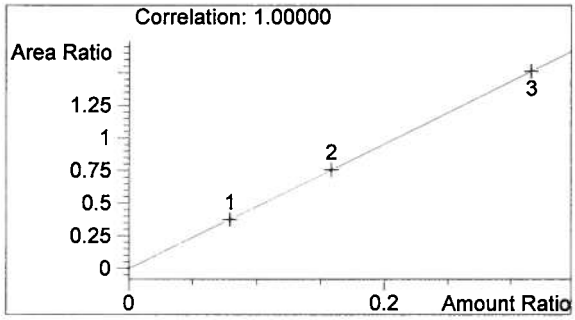
neg ctrl - al
asa louis

vial # 9

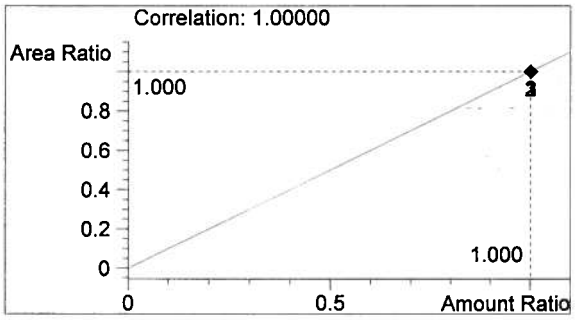


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1777	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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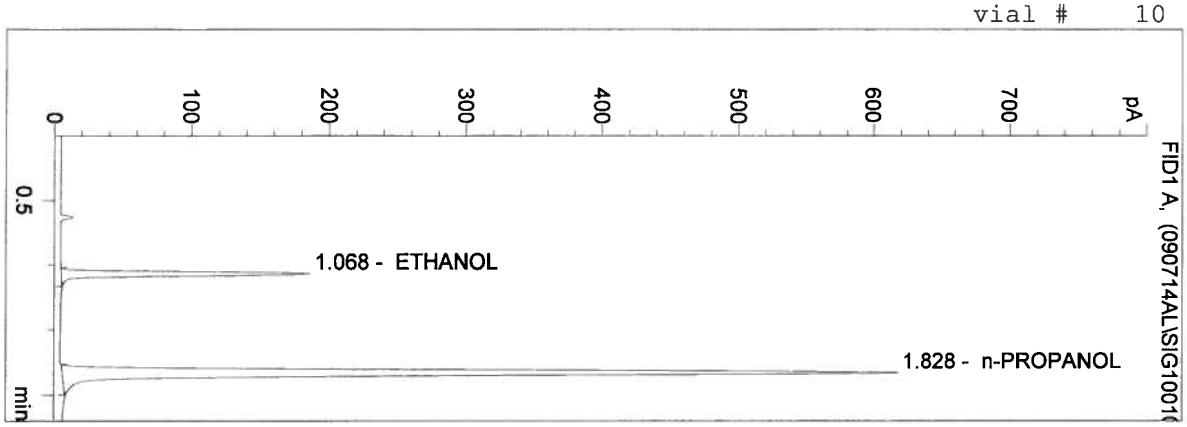
7/14/2009 10:54:38 AM
Instrument 3
db-alc2

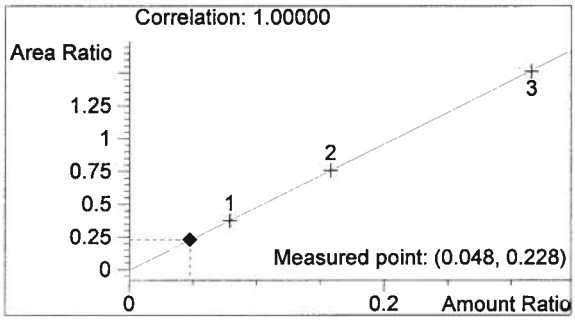
qap0.04 09028 #1
asa louis

vial # 10

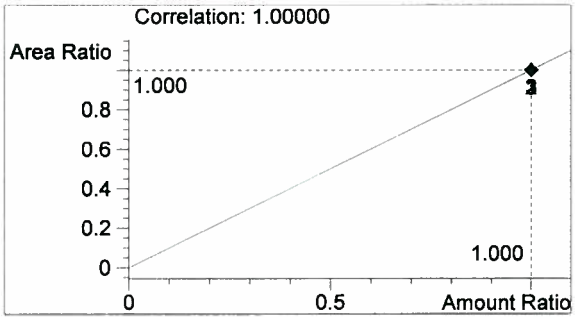


#	Compound	Area	RT
1	ETHANOL	405	1.068
2	n-PROPANOL	1780	1.828

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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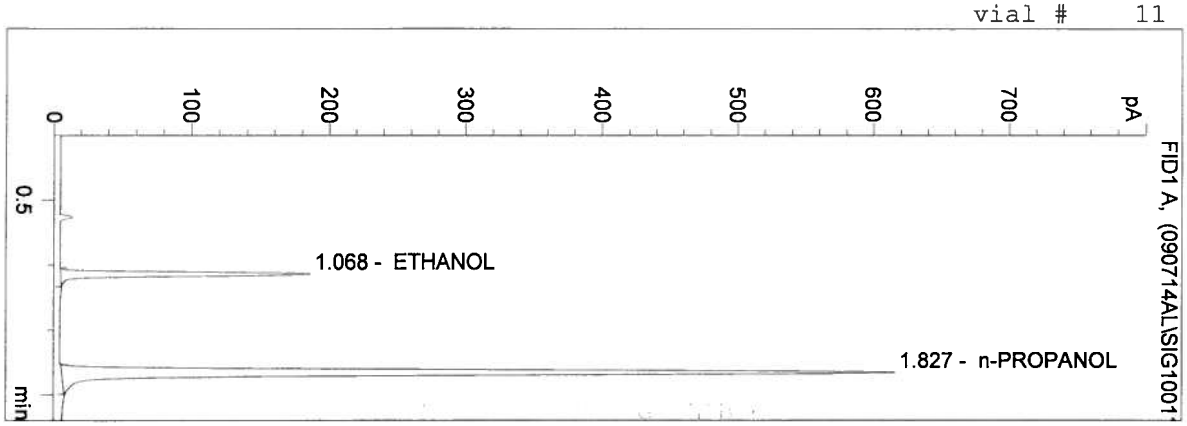
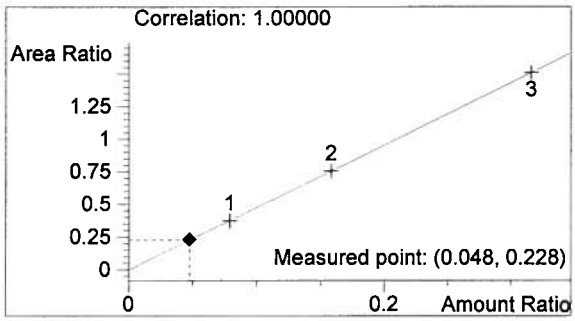
7/14/2009 10:57:46 AM
Instrument 3
db-alc2

qap0.04 09028 #2
asa louis

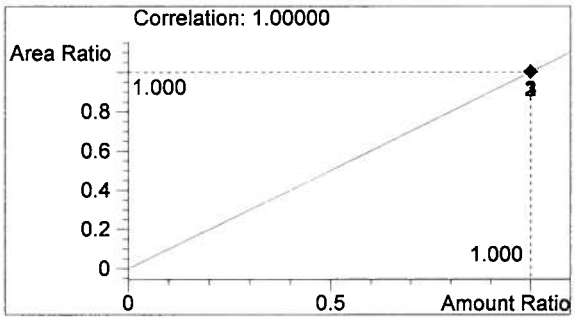
vial # 11



#	Compound	Area	RT
1	ETHANOL	403	1.068
2	n-PROPANOL	1770	1.827
Totals:			



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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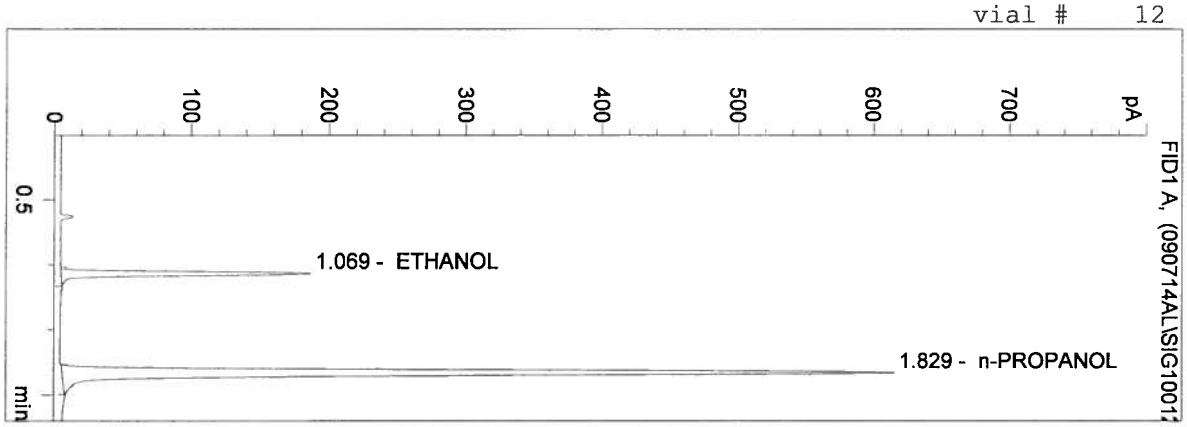
7/14/2009 11:00:58 AM
Instrument 3
db-alc2

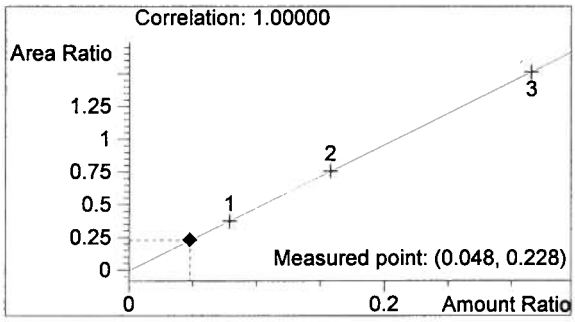
qap0.04 09028 #3
asa louis

vial # 12

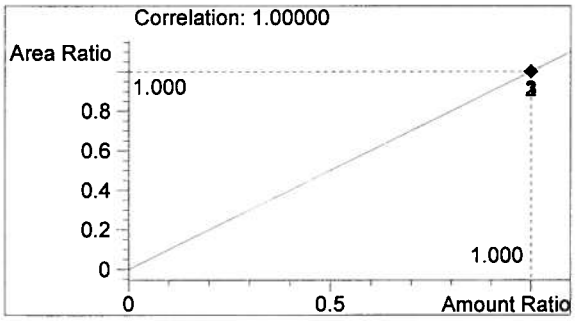


#	Compound	Area	RT
1	ETHANOL	404	1.069
2	n-PROPANOL	1770	1.829

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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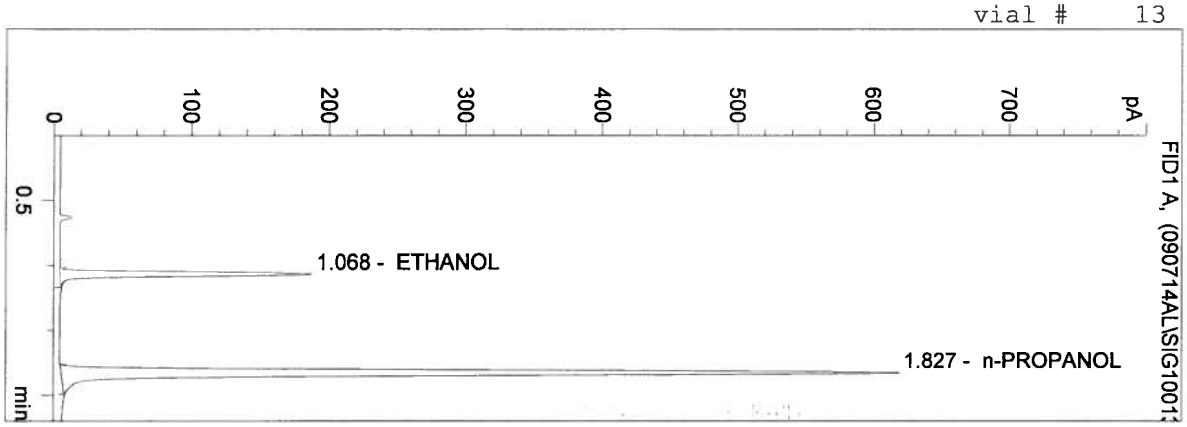
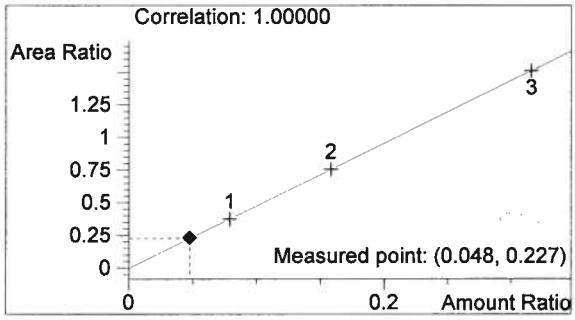
7/14/2009 11:04:01 AM
Instrument 3
db-alc2

qap0.04 09028 #4
asa louis

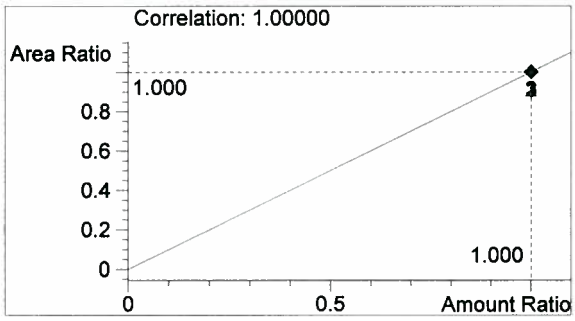
vial # 13



#	Compound	Area	RT
1	ETHANOL	405	1.068
2	n-PROPANOL	1778	1.827
Totals:			



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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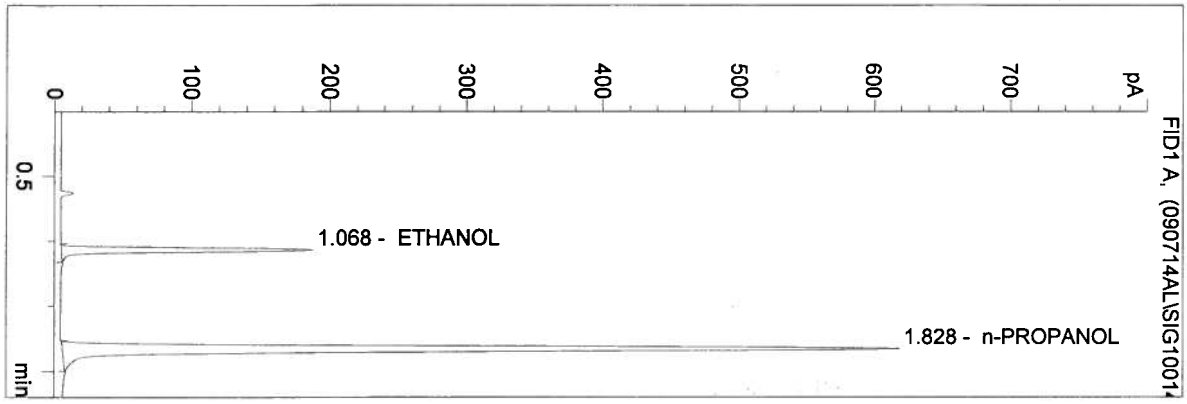
7/14/2009 11:07:09 AM
Instrument 3
db-alc2

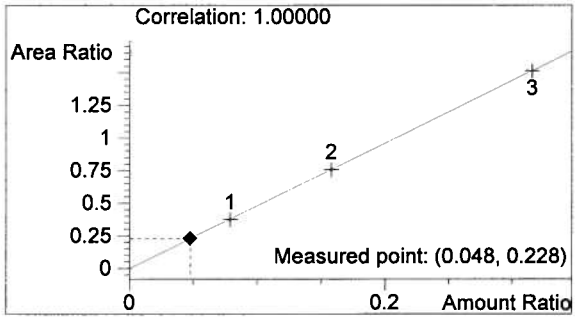
qap0.04 09028 #5
asa louis

vial # 14

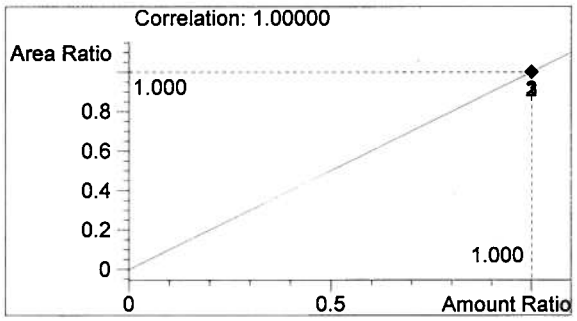


#	Compound	Area	RT
1	ETHANOL	405	1.068
2	n-PROPANOL	1779	1.828

Totals:



ETHANOL 0.048 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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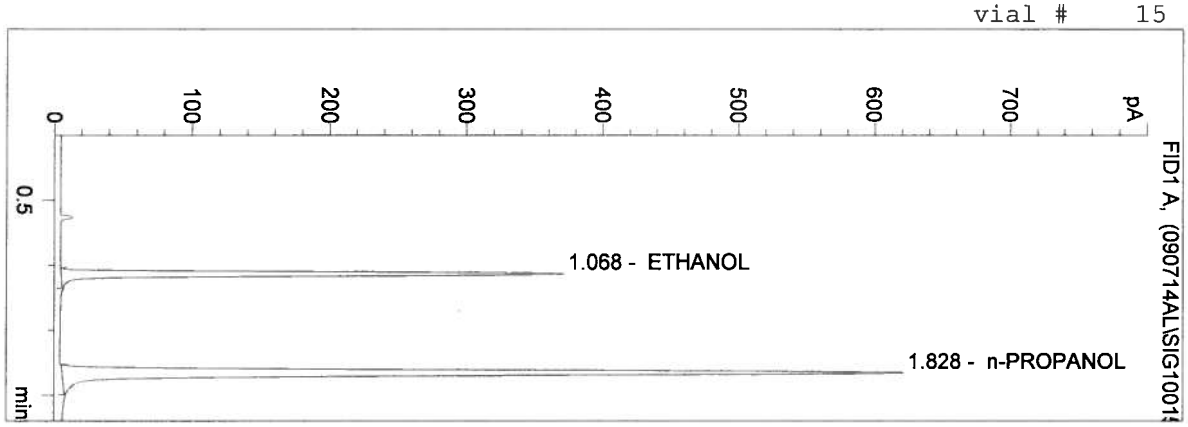
7/14/2009 11:10:17 AM
Instrument 3
db-alc2

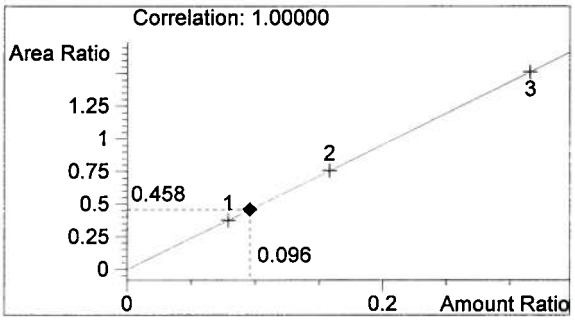
0.10 ctrl - al
asa louis

vial # 15

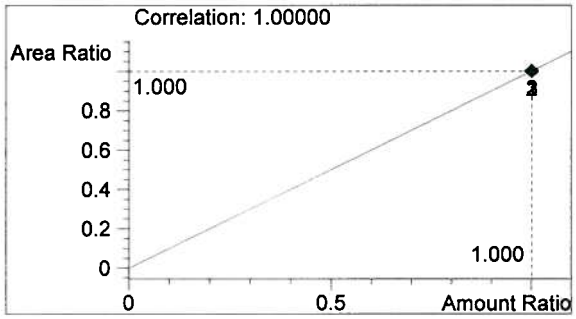


#	Compound	Area	RT
1	ETHANOL	818	1.068
2	n-PROPANOL	1786	1.828

Totals:



ETHANOL 0.096 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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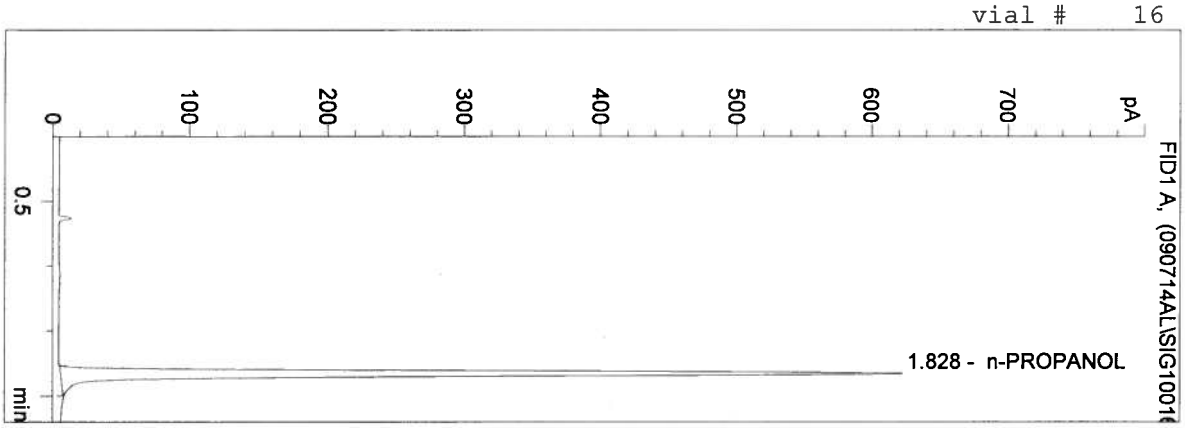
7/14/2009 11:13:25 AM
Instrument 3
db-alc2

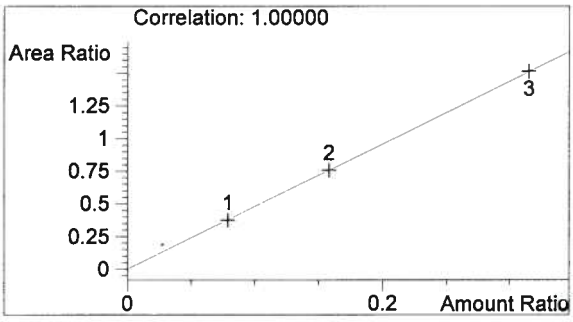
neg ctrl - al
asa louis

vial # 16

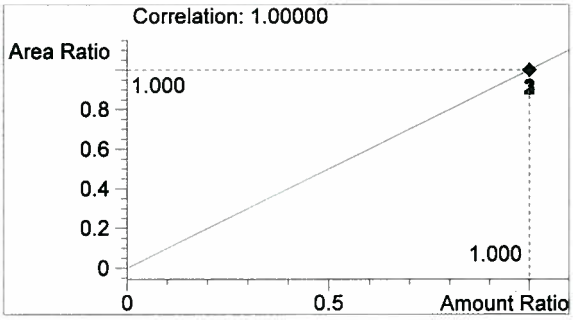


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1786	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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00023

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:	090716RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A061507 - exp 11/2012
0.10 Control - Lot # A064767 - exp 04/2013
0.20 Control - Lot # A064522 - exp 04/2013

RF

Calibration filed with QAP 09028

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL-1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL-2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL-3	SIMALC	1	Calib		
5	Vial 5	Neg Control RF	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 Control RF	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 Control RF	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 Control RF	SIMALC	1	Ctrl Samp		
9	Vial 9	Neg Control RF	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP 09028 #1	SIMALC	1	Sample		
11	Vial 11	QAP 09028 #2	SIMALC	1	Sample		
12	Vial 12	QAP 09028 #3	SIMALC	1	Sample		
13	Vial 13	QAP 09028 #4	SIMALC	1	Sample		
14	Vial 14	QAP 09028 #5	SIMALC	1	Sample		
15	Vial 15	0.10 Control RF	SIMALC	1	Ctrl Samp		
16	Vial 16	Neg Control RF	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP 09029 #1	SIMALC	1	Sample		
18	Vial 18	QAP 09029 #2	SIMALC	1	Sample		
19	Vial 19	QAP 09029 #3	SIMALC	1	Sample		
20	Vial 20	QAP 09029 #4	SIMALC	1	Sample		
21	Vial 21	QAP 09029 #5	SIMALC	1	Sample		
22	Vial 22	0.10 Control RF	SIMALC	1	Ctrl Samp		
23	Vial 23	Neg Control RF	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP 09030 #1	SIMALC	1	Sample		
25	Vial 25	QAP 09030 #2	SIMALC	1	Sample		
26	Vial 26	QAP 09030 #3	SIMALC	1	Sample		
27	Vial 27	QAP 09030 #4	SIMALC	1	Sample		
28	Vial 28	QAP 09030 #5	SIMALC	1	Sample		
29	Vial 29	0.10 Control RF	SIMALC	1	Ctrl Samp		
30	Vial 30	Neg Control RF	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP 09031 #1	SIMALC	1	Sample		
32	Vial 32	QAP 09031 #2	SIMALC	1	Sample		

09028

Sequence: C:\HPCHEM\1\SEQUENCE\RFQAP3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 09031 #3	SIMALC	1	Sample		
34	Vial 34	QAP 09031 #4	SIMALC	1	Sample		
35	Vial 35	QAP 09031 #5	SIMALC	1	Sample		
36	Vial 36	0.10 Control RF	SIMALC	1	Ctrl Samp		
37	Vial 37	Neg Control RF	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

RF

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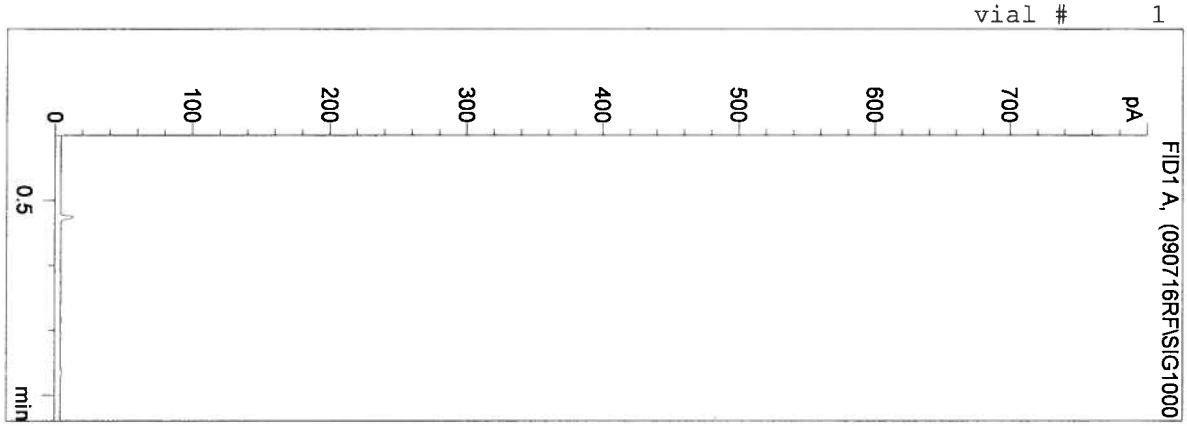
WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:20:25 PM
Instrument 3
db-alc2

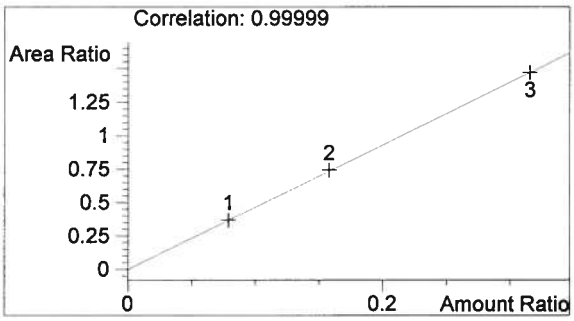
BLANK
Rebecca Flaherty

vial # 1

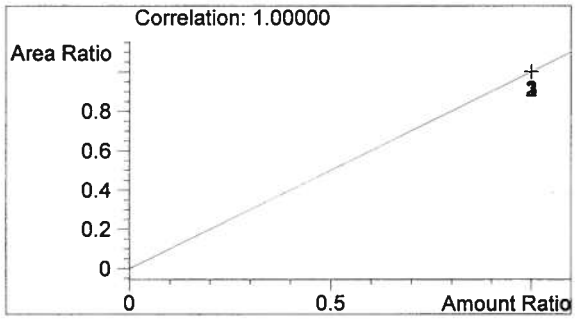


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000
Totals:			

RF



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

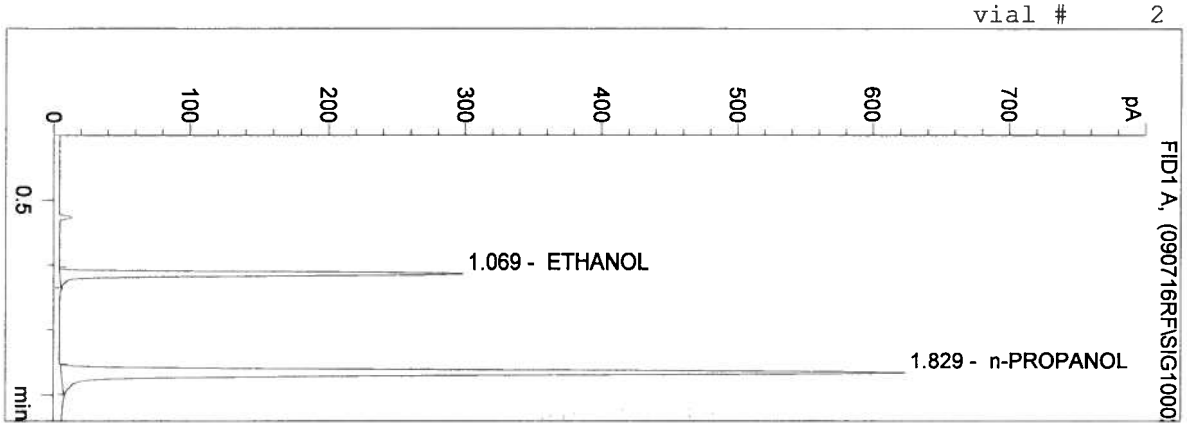
0 9 0 2 8
0 9 0 2 9
0 9 0 3 0
0 9 0 3 1

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:23:32 PM
Instrument 3
db-alc2

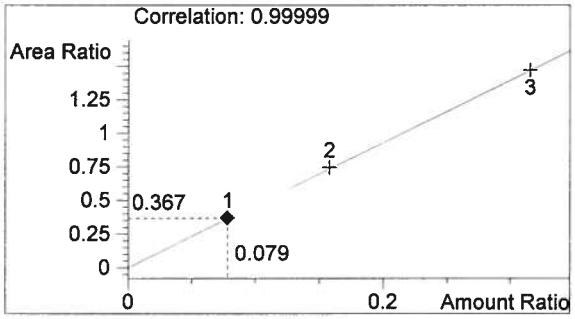
0.079 CAL-1
Rebecca Flaherty

vial # 2

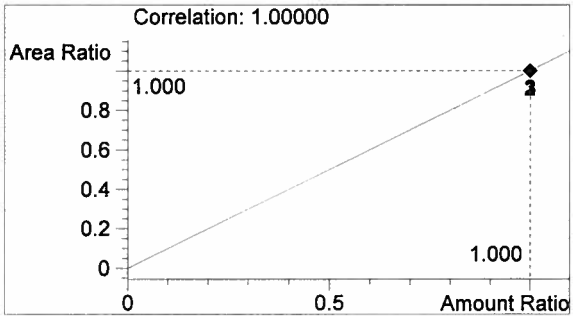


#	Compound	Area	RT
1	ETHANOL	663	1.069
2	n-PROPANOL	1806	1.829
Totals:			

RF



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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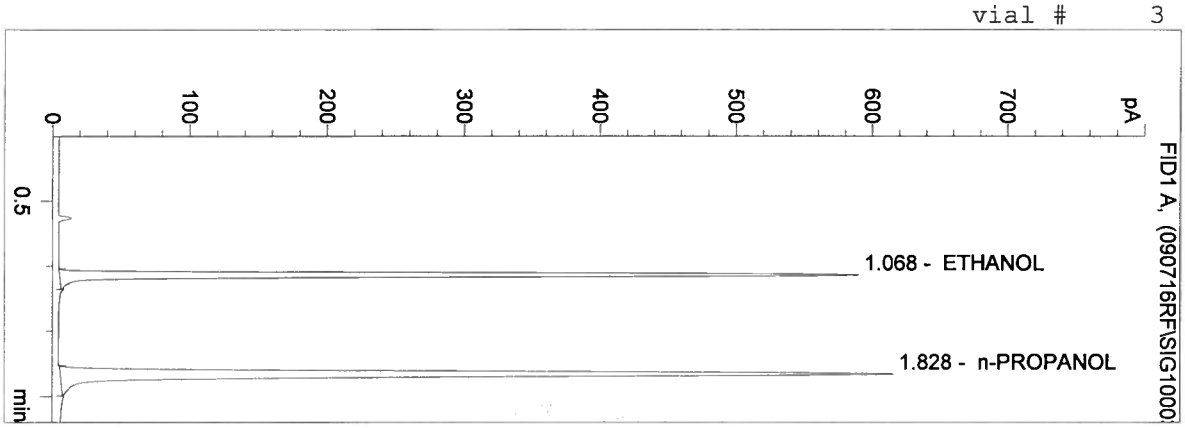
7/16/2009 12:26:40 PM
Instrument 3
db-alc2

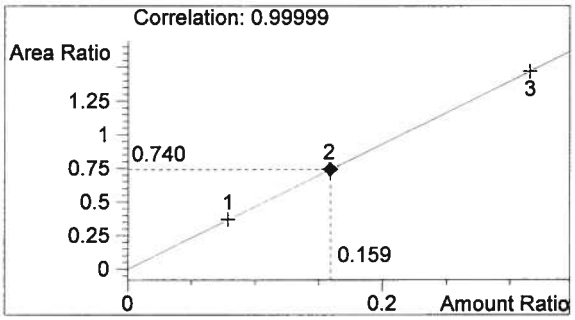
0.158 CAL-2
Rebecca Flaherty

vial # 3

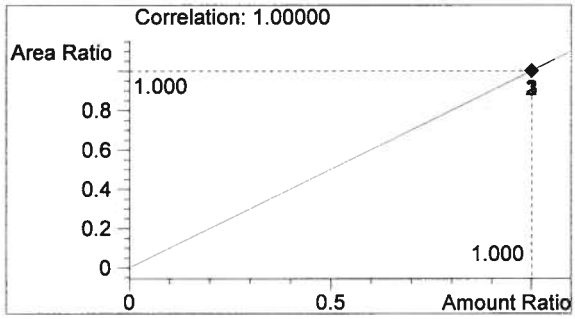


#	Compound	Area	RT
1	ETHANOL	1313	1.068
2	n-PROPANOL	1775	1.828
Totals:			

RF



ETHANOL 0.159 g/100ml



n-PROPANOL 1.000 g/100ml

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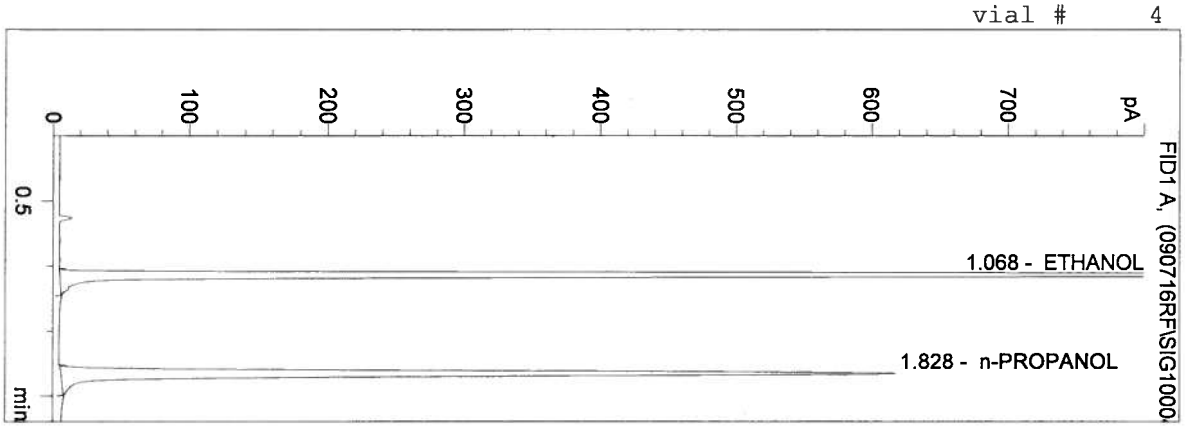
7/16/2009 12:29:48 PM
Instrument 3
db-alc2

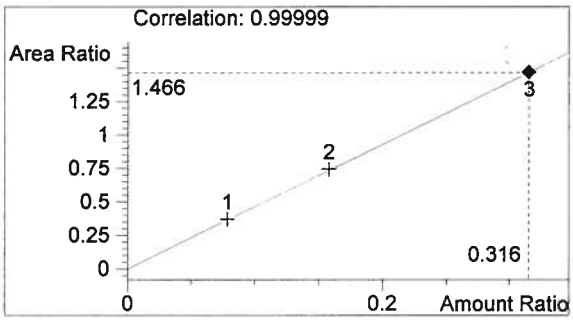
0.316 CAL-3
Rebecca Flaherty

vial # 4

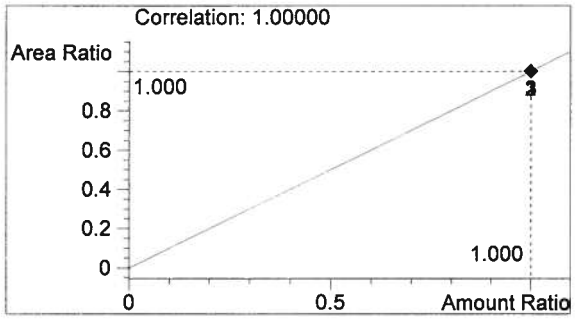


#	Compound	Area	RT
1	ETHANOL	2616	1.068
2	n-PROPANOL	1785	1.828
Totals:			

RF



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

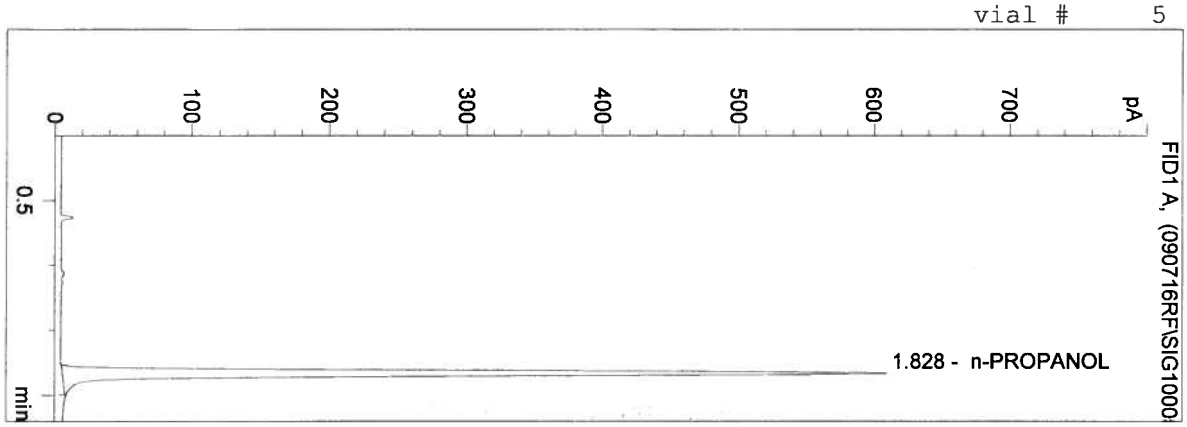
0 3 0 2 6
0 9 0 2 9
0 9 0 3 0
0 9 0 3 1

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:32:56 PM
Instrument 3
db-alc2

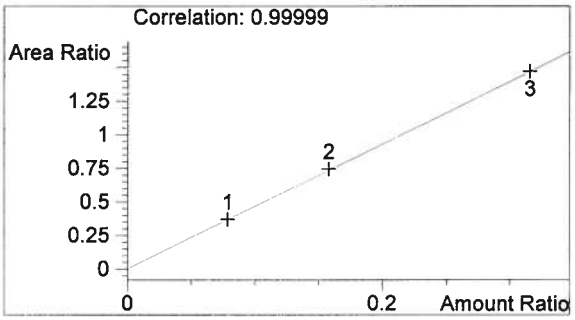
Neg Control RF
Rebecca Flaherty

vial # 5

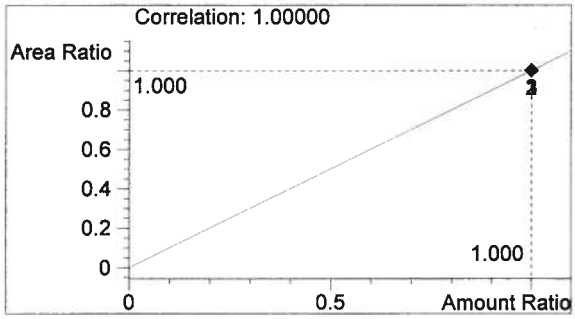


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1759	1.828
Totals:			

RF



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

09028
09029
09030
09031

WASHINGTON STATE TOXICOLOGY LABORATORY

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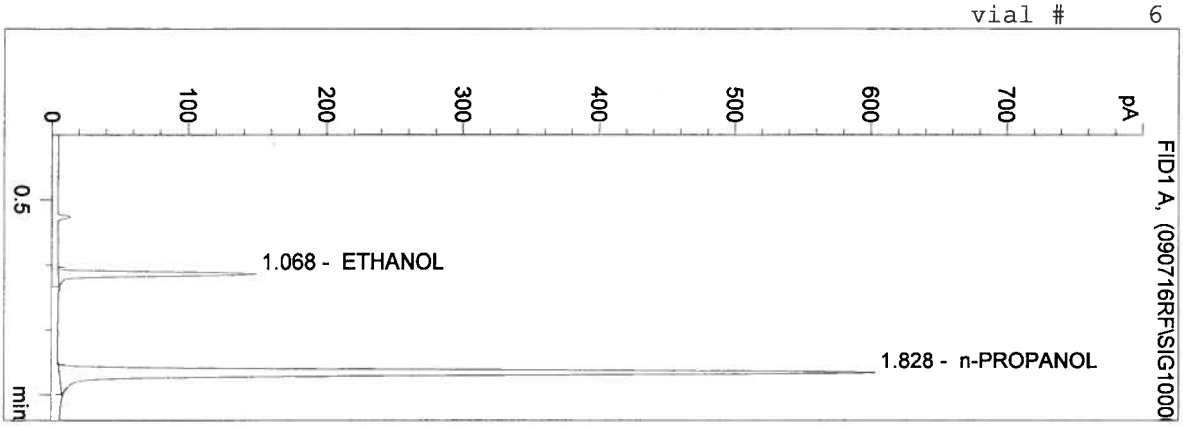
7/16/2009 12:36:04 PM
Instrument 3
db-alc2

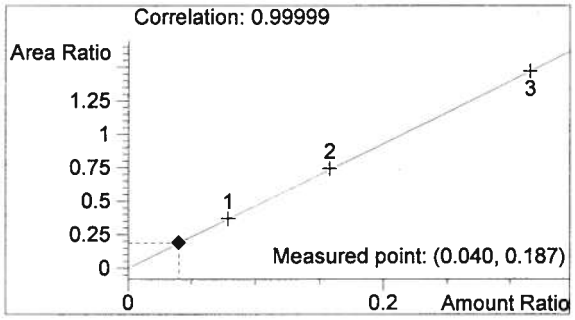
0.04 Control RF
Rebecca Flaherty

vial # 6

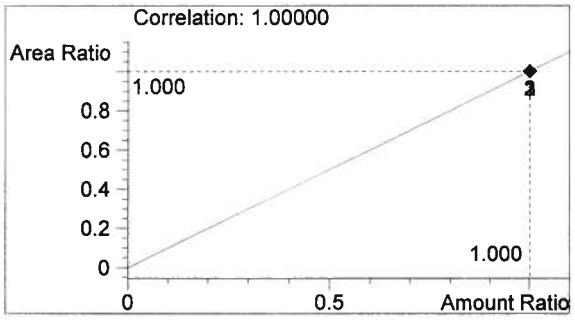


#	Compound	Area	RT
1	ETHANOL	326	1.068
2	n-PROPANOL	1739	1.828
Totals:			

RF



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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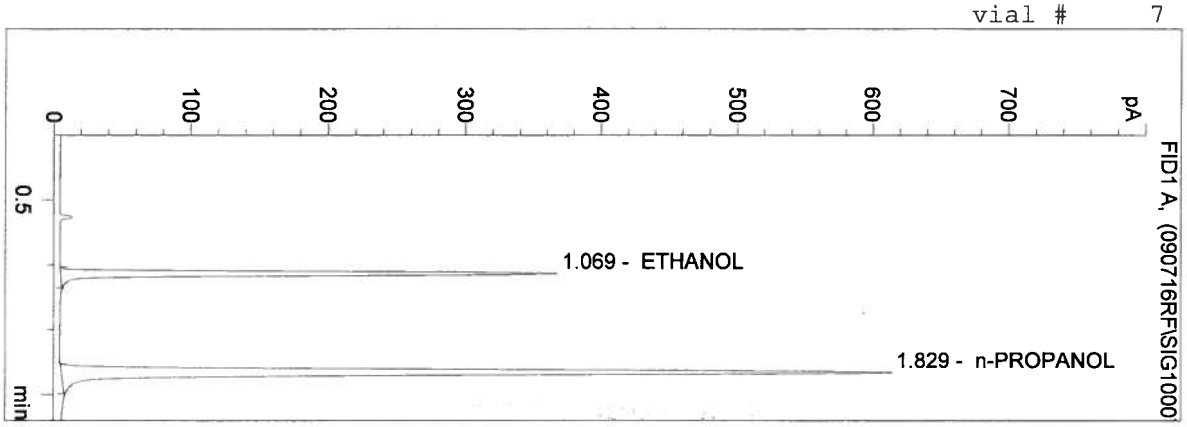
7/16/2009 12:39:11 PM
Instrument 3
db-alc2

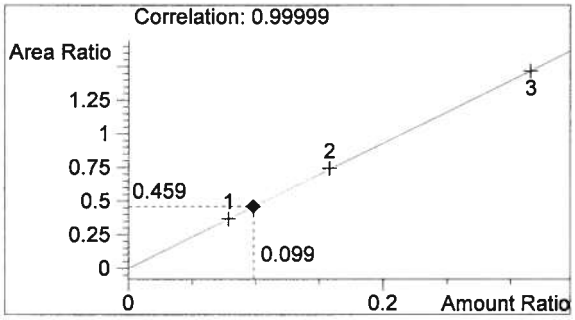
0.10 Control RF
Rebecca Flaherty

vial # 7

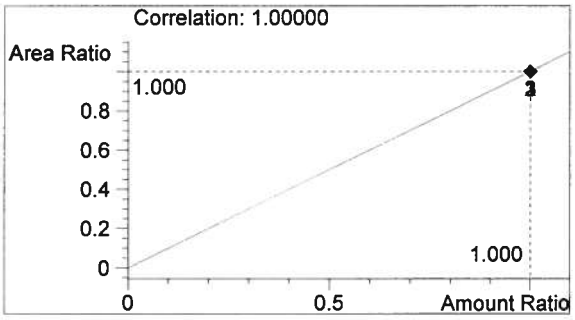


#	Compound	Area	RT
1	ETHANOL	811	1.069
2	n-PROPANOL	1768	1.829
Totals:			

RF



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

09028
09029
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WASHINGTON STATE TOXICOLOGY LABORATORY

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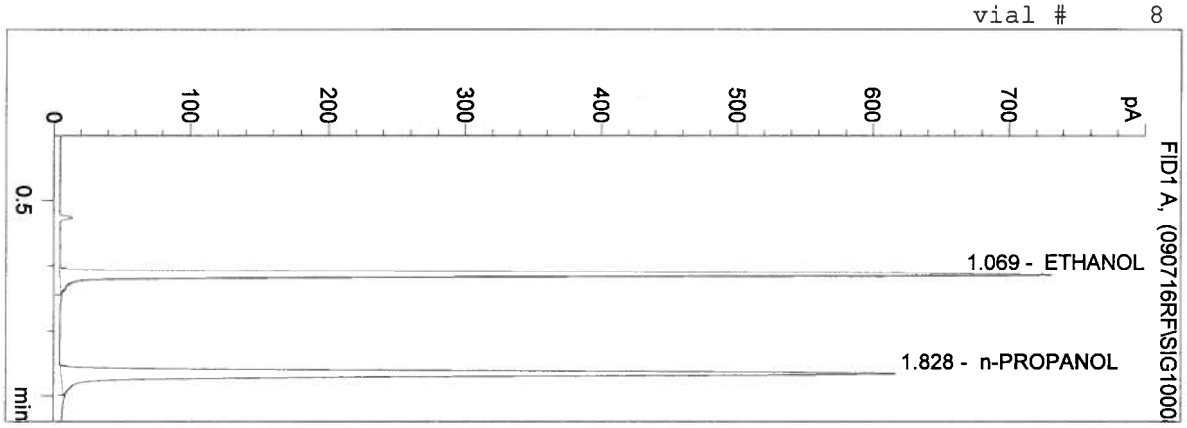
7/16/2009 12:42:19 PM
Instrument 3
db-alc2

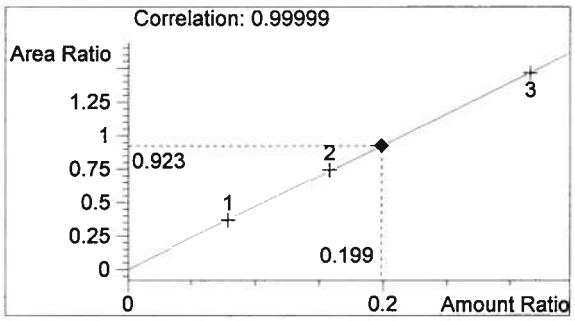
0.20 Control RF
Rebecca Flaherty

vial # 8

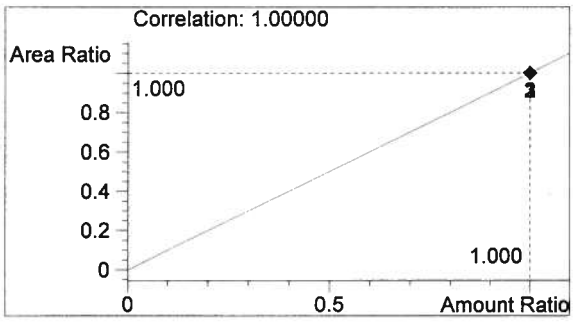


#	Compound	Area	RT
1	ETHANOL	1642	1.069
2	n-PROPANOL	1780	1.828
Totals:			

RF



ETHANOL 0.199 g/100ml



n-PROPANOL 1.000 g/100ml

09028
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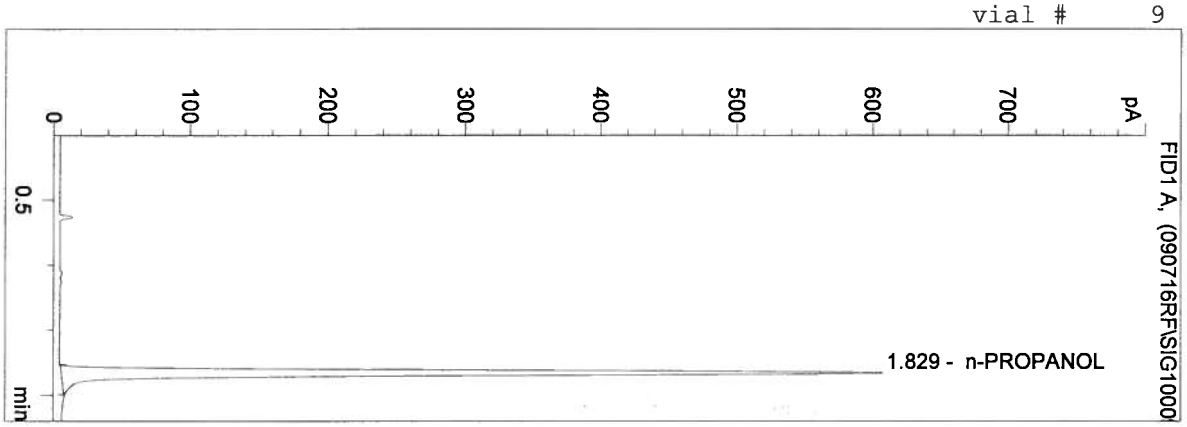
09031

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:45:27 PM
Instrument 3
db-alc2

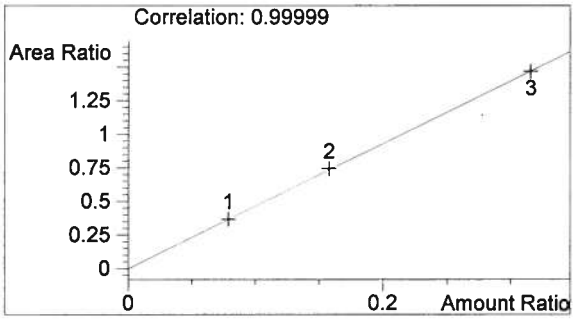
Neg Control RF
Rebecca Flaherty

vial # 9

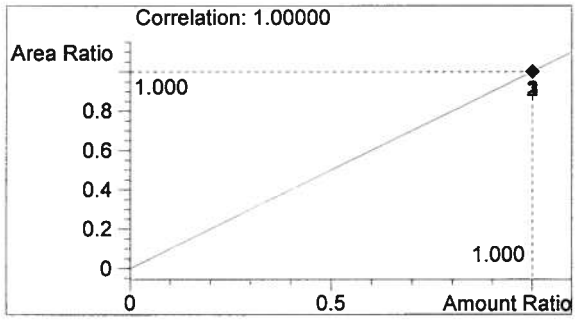


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1750	1.829
Totals:			

RF



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

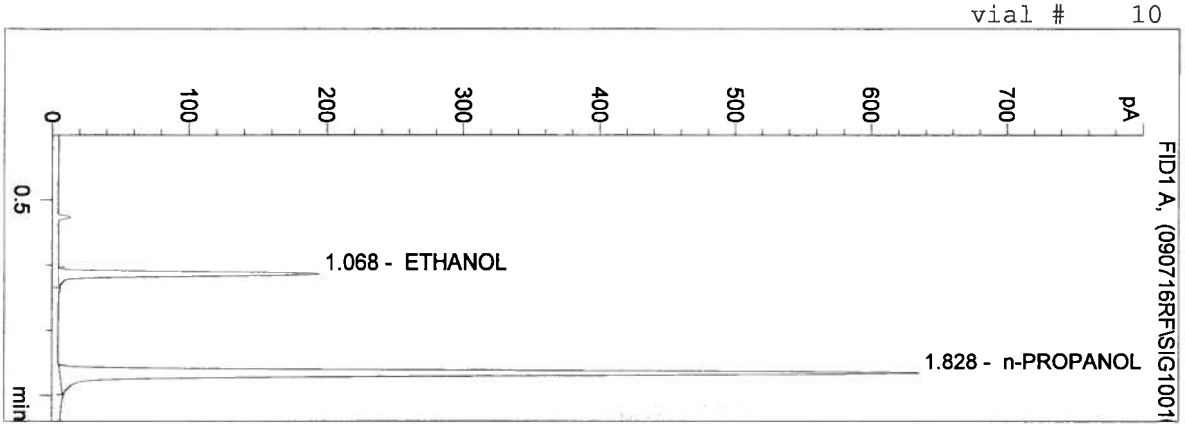
09028
09029
09030
09031

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:48:35 PM
Instrument 3
db-alc2

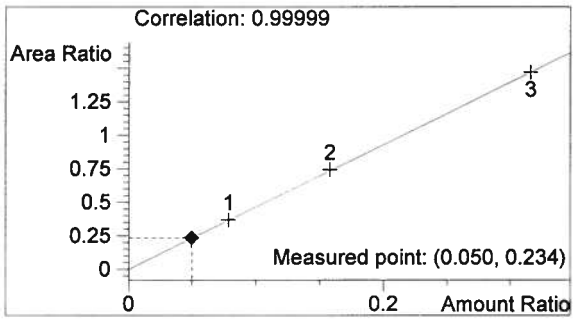
QAP 09028 #1
Rebecca Flaherty

vial # 10

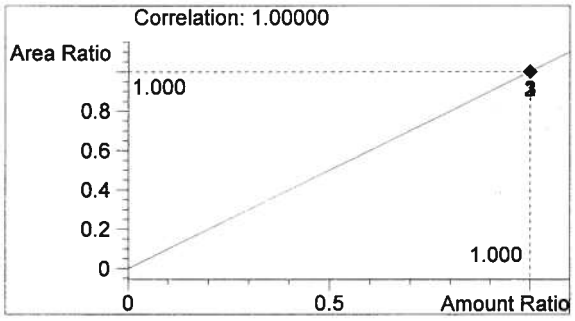


#	Compound	Area	RT
1	ETHANOL	428	1.068
2	n-PROPANOL	1831	1.828
Totals:			

RF



ETHANOL 0.050 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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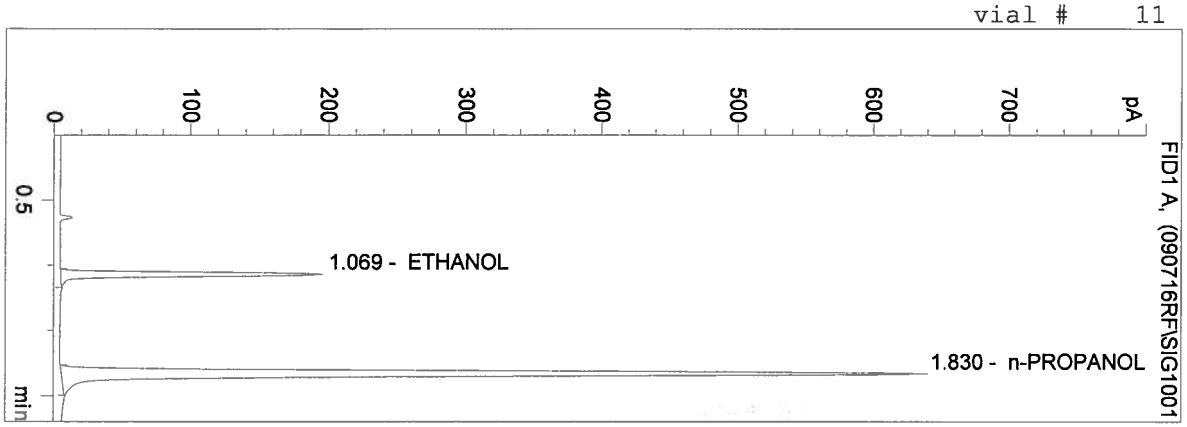
7/16/2009 12:51:43 PM
Instrument 3
db-alc2

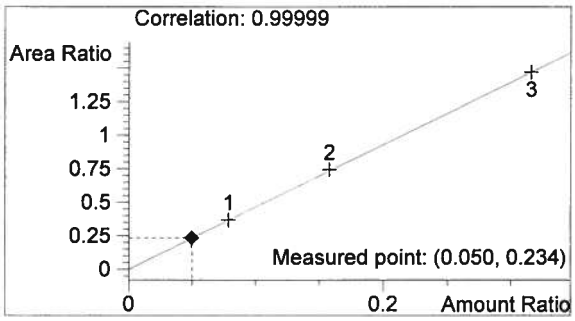
QAP 09028 #2
Rebecca Flaherty

vial # 11

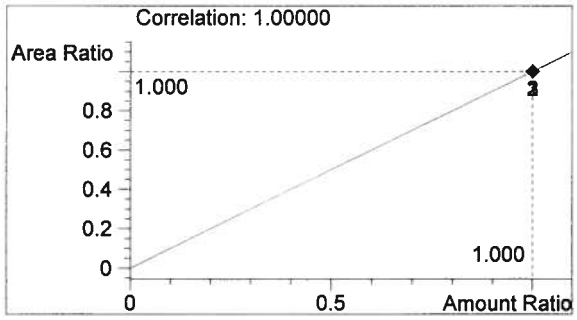


#	Compound	Area	RT
1	ETHANOL	432	1.069
2	n-PROPANOL	1844	1.830
Totals:			

RF



ETHANOL 0.050 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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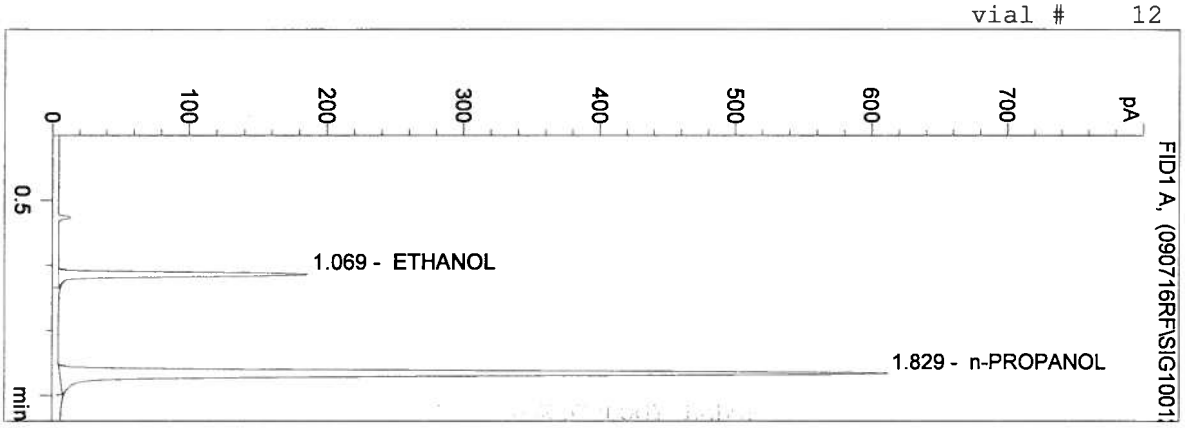
7/16/2009 12:54:50 PM
Instrument 3
db-alc2

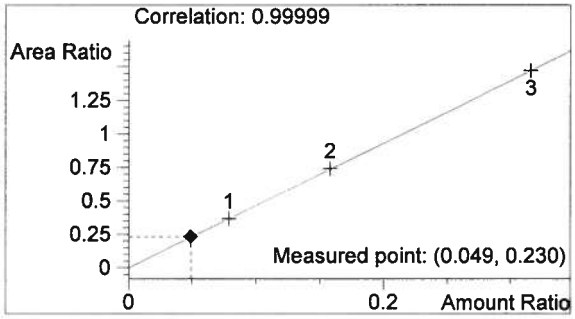
QAP 09028 #3
Rebecca Flaherty

vial # 12

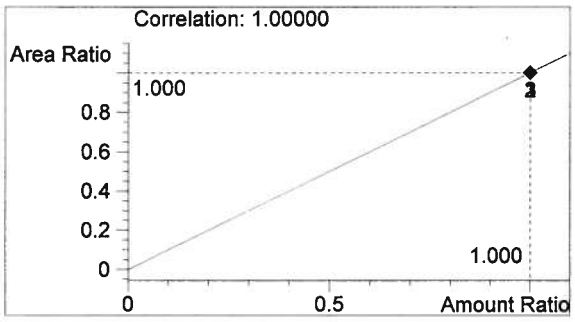


#	Compound	Area	RT
1	ETHANOL	406	1.069
2	n-PROPANOL	1762	1.829
Totals:			

RF



ETHANOL 0.049 g/100ml



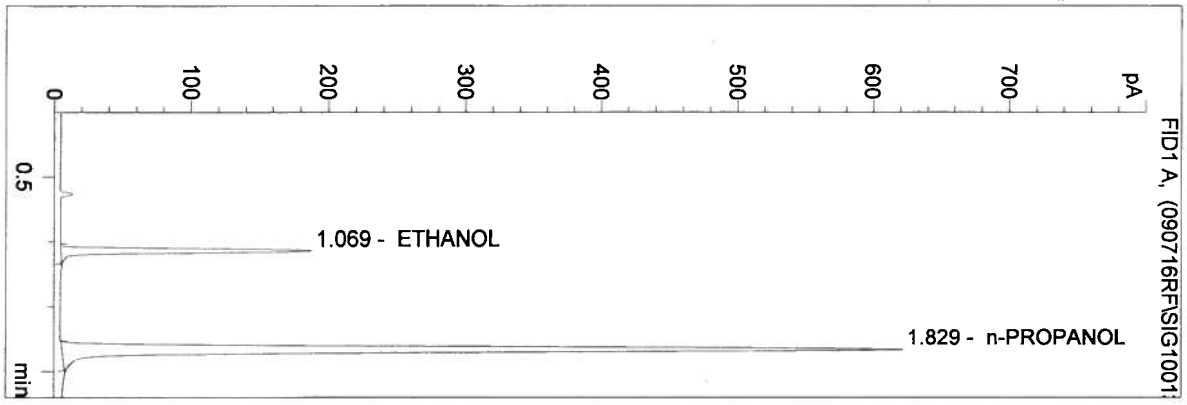
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 12:57:58 PM
Instrument 3
db-alc2

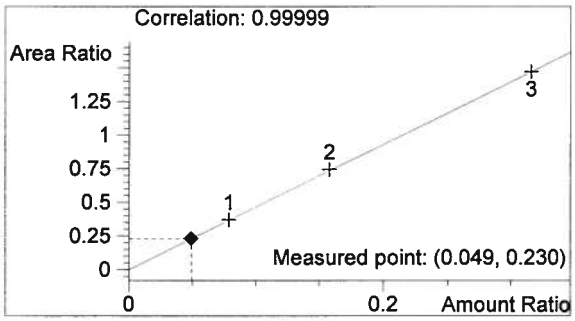
QAP 09028 #4
Rebecca Flaherty

vial # 13

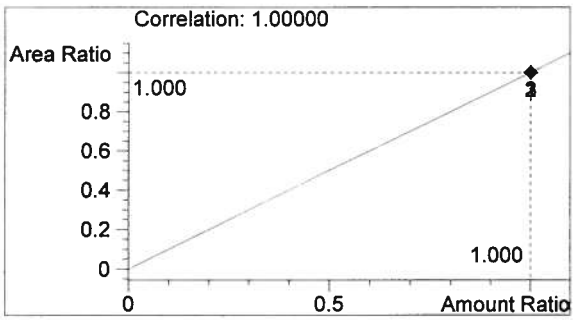


#	Compound	Area	RT
1	ETHANOL	413	1.069
2	n-PROPANOL	1794	1.829
Totals:			

RF



ETHANOL 0.049 g/100ml



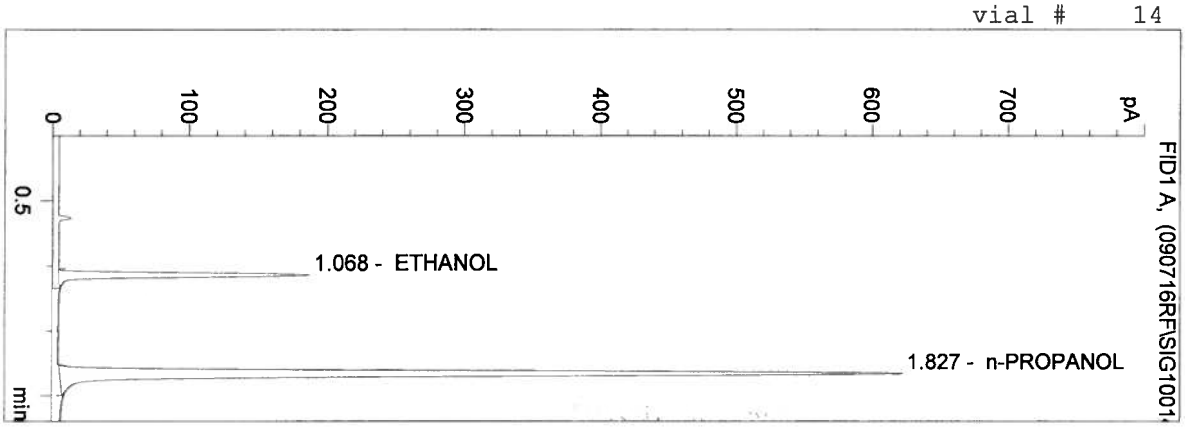
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/16/2009 1:01:06 PM
Instrument 3
db-alc2

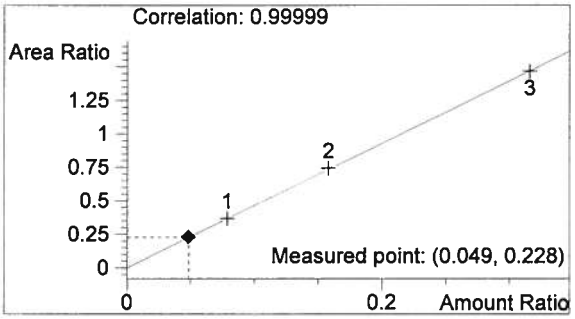
QAP 09028 #5
Rebecca Flaherty

vial # 14

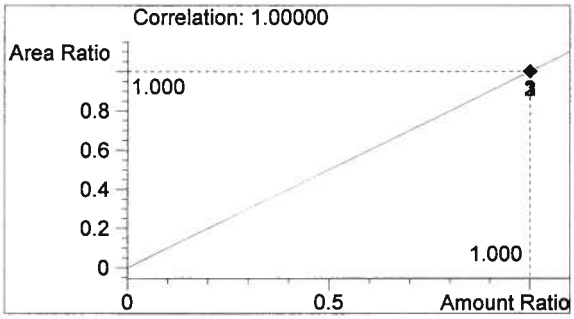


#	Compound	Area	RT
1	ETHANOL	410	1.068
2	n-PROPANOL	1797	1.827
Totals:			

RF



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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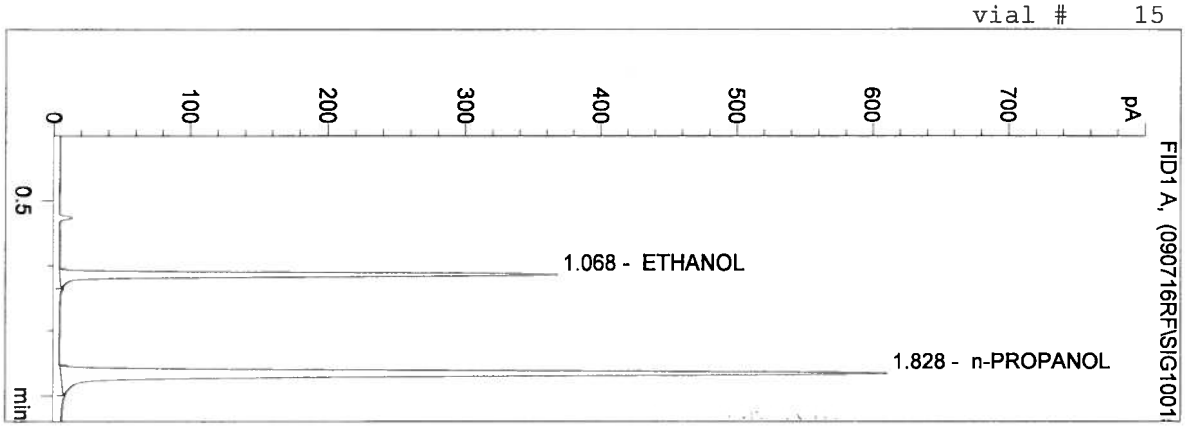
7/16/2009 1:04:14 PM
Instrument 3
db-alc2

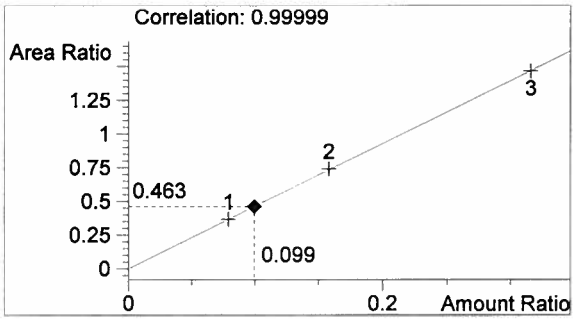
0.10 Control RF
Rebecca Flaherty

vial # 15

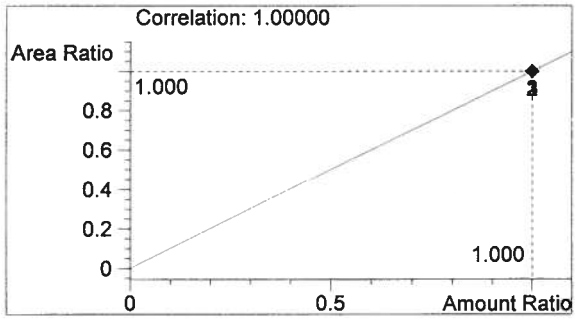


#	Compound	Area	RT
1	ETHANOL	815	1.068
2	n-PROPANOL	1760	1.828
Totals:			

RF



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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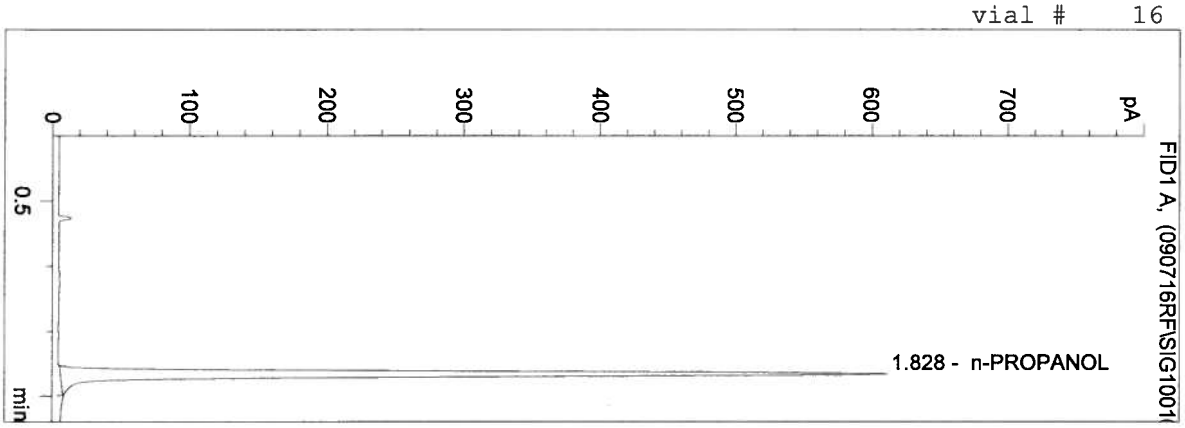
7/16/2009 1:07:21 PM
Instrument 3
db-alc2

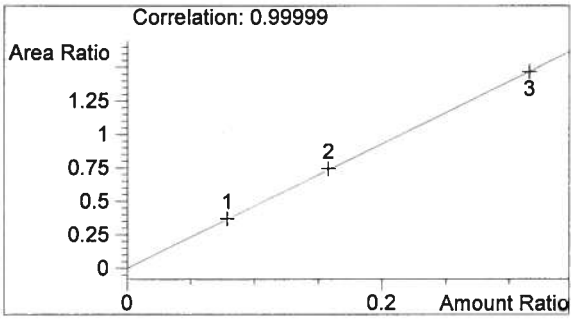
Neg Control RF
Rebecca Flaherty

vial # 16

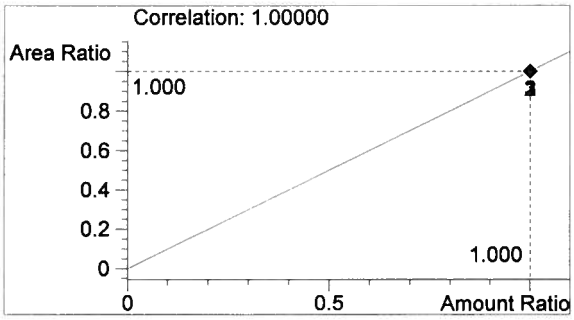


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1760	1.828
Totals:			

RF



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

09028

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:	090717CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A061507 - exp 11/2012
0.10 Control - Lot # A064767 - exp 04/2013
0.20 Control - Lot # A064522 - exp 04/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC	1	Sample		
2	Vial 2	0.079 CAL-1	SIMALC	1	Calib		
3	Vial 3	0.158 CAL-2	SIMALC	1	Calib		
4	Vial 4	0.316 CAL-3	SIMALC	1	Calib		
5	Vial 5	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL-CM	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL-CM	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
10	Vial 10	QAP 09028 #1	SIMALC	1	Sample		
11	Vial 11	QAP 09028 #2	SIMALC	1	Sample		
12	Vial 12	QAP 09028 #3	SIMALC	1	Sample		
13	Vial 13	QAP 09028 #4	SIMALC	1	Sample		
14	Vial 14	QAP 09028 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
17	Vial 17	QAP 09029 #1	SIMALC	1	Sample		
18	Vial 18	QAP 09029 #2	SIMALC	1	Sample		
19	Vial 19	QAP 09029 #3	SIMALC	1	Sample		
20	Vial 20	QAP 09029 #4	SIMALC	1	Sample		
21	Vial 21	QAP 09029 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
24	Vial 24	QAP 09030 #1	SIMALC	1	Sample		
25	Vial 25	QAP 09030 #2	SIMALC	1	Sample		
26	Vial 26	QAP 09030 #3	SIMALC	1	Sample		
27	Vial 27	QAP 09030 #4	SIMALC	1	Sample		
28	Vial 28	QAP 09030 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL-CM	SIMALC	1	Ctrl Samp		
31	Vial 31	QAP 09031 #1	SIMALC	1	Sample		
32	Vial 32	QAP 09031 #2	SIMALC	1	Sample		

Calibrators with 09028 data

09028
CM

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 09031 #3	SIMALC	1	Sample		
34	Vial 34	QAP 09031 #4	SIMALC	1	Sample		
35	Vial 35	QAP 09031 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL-CM	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL-CM	SIMALC	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

CM

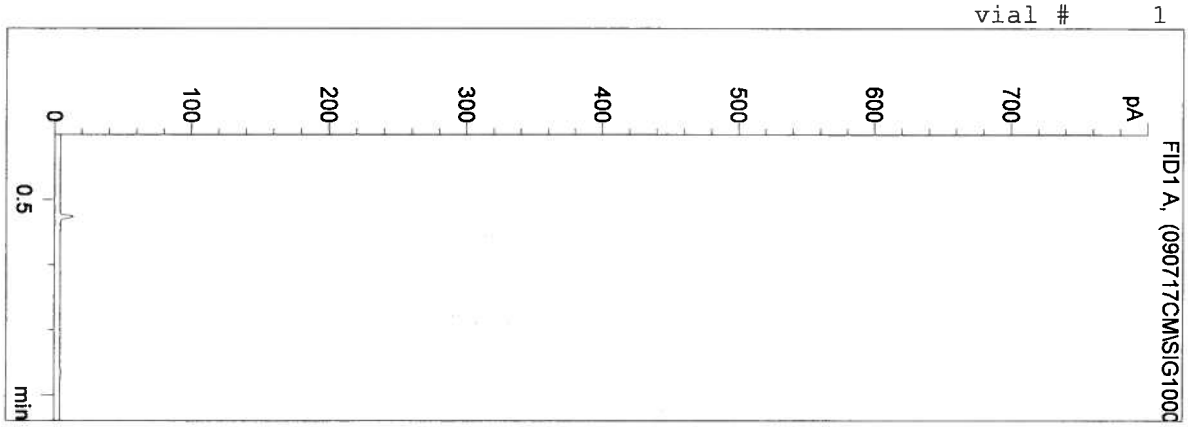
09028

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/17/2009 9:04:29 AM
Instrument 3
db-alc2

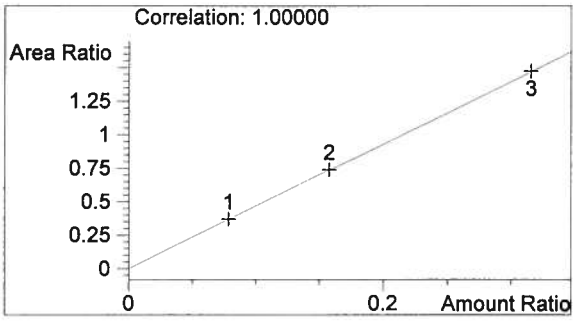
BLANK
Christie Mitchell

vial # 1

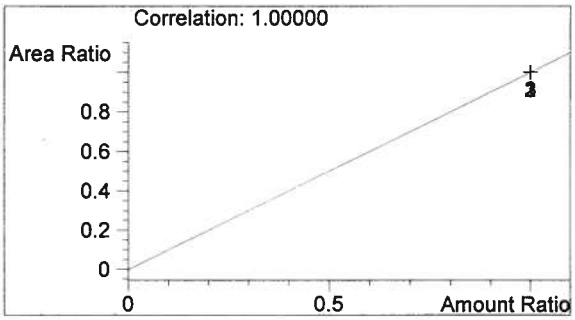


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	0	0.000

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 0.000 g/100ml

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0 9 0 2 8
0 9 0 2 9
0 9 0 3 0
0 9 0 3 1

WASHINGTON STATE TOXICOLOGY LABORATORY

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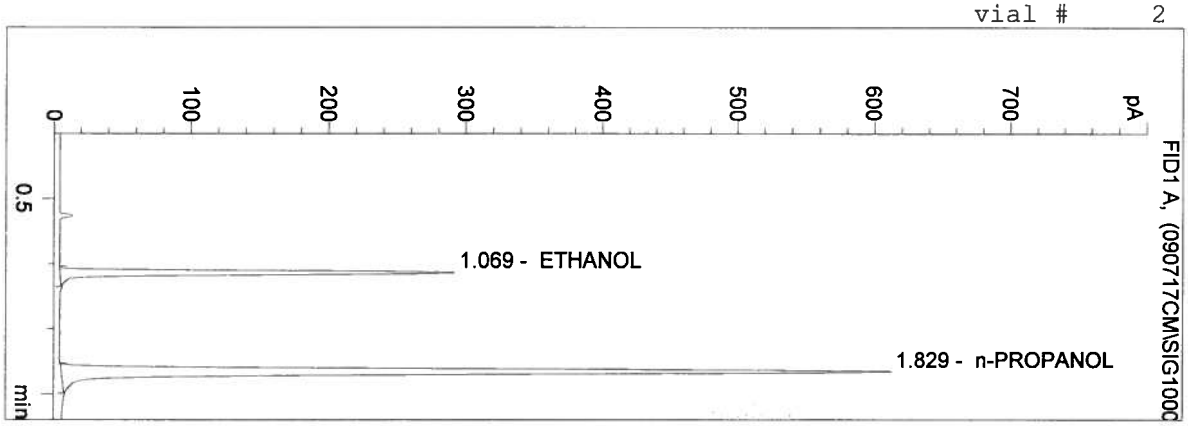
7/17/2009 9:07:36 AM
Instrument 3
db-alc2

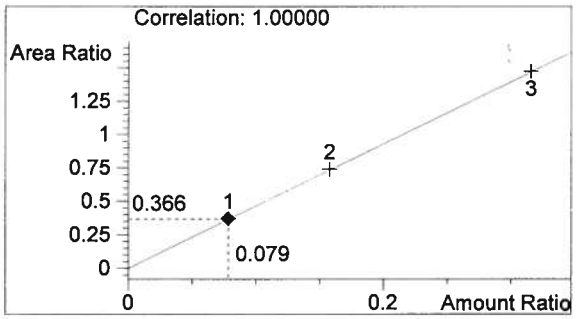
0.079 CAL-1
Christie Mitchell

vial # 2

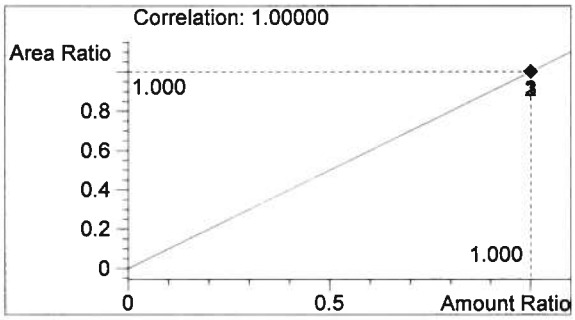


#	Compound	Area	RT
1	ETHANOL	647	1.069
2	n-PROPANOL	1768	1.829

Totals:



ETHANOL 0.079 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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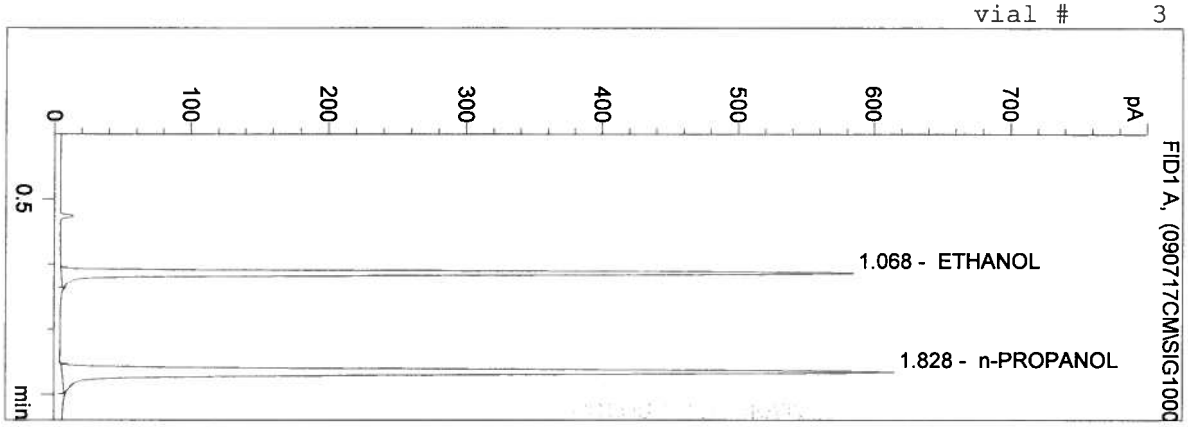
7/17/2009 9:10:44 AM
Instrument 3
db-alc2

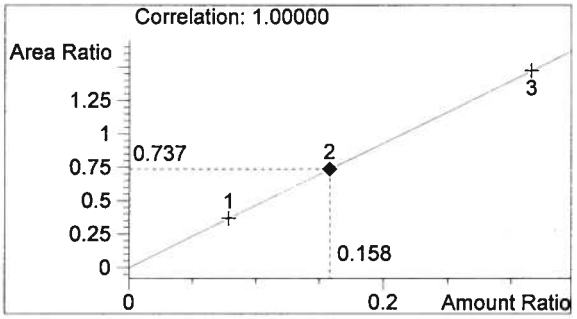
0.158 CAL-2
Christie Mitchell

vial # 3

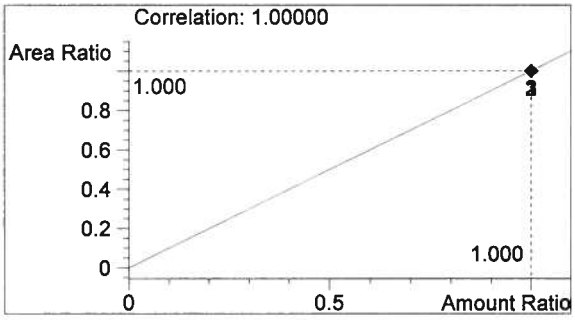


#	Compound	Area	RT
1	ETHANOL	1308	1.068
2	n-PROPANOL	1776	1.828

Totals:



ETHANOL 0.158 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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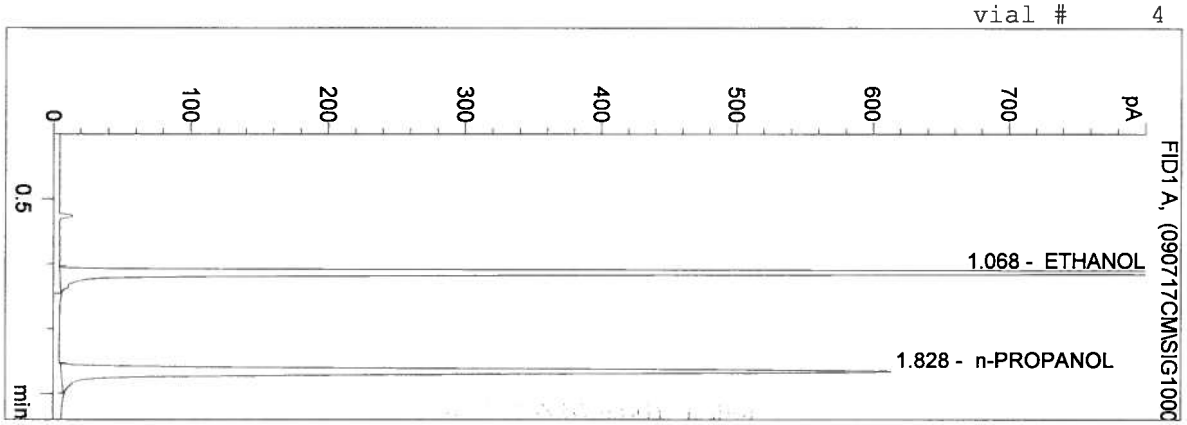
7/17/2009 9:13:52 AM
Instrument 3
db-alc2

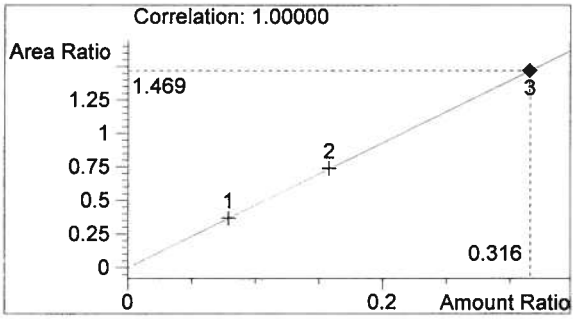
0.316 CAL-3
Christie Mitchell

vial # 4

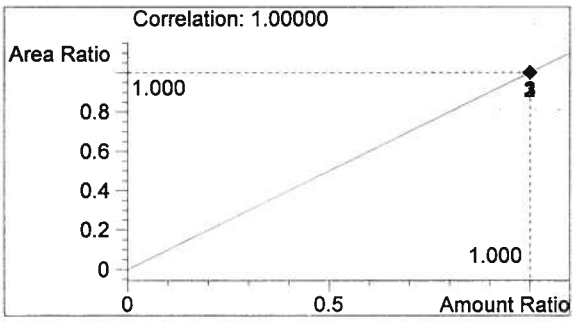


#	Compound	Area	RT
1	ETHANOL	2608	1.068
2	n-PROPANOL	1775	1.828

Totals:



ETHANOL 0.316 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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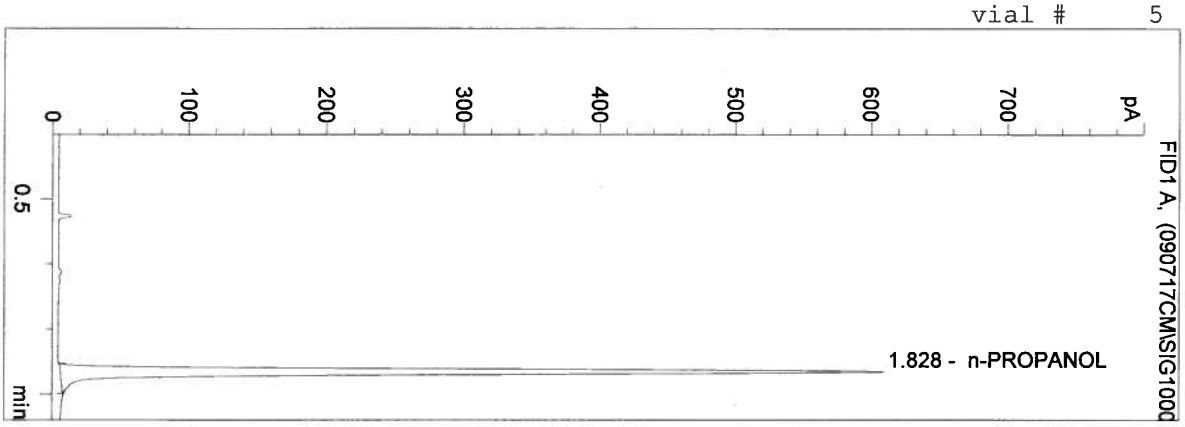
Instrument 3
db-alc2

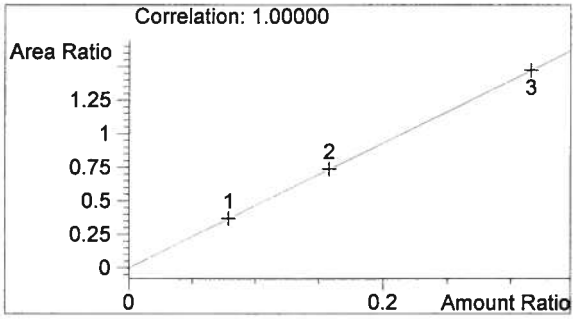
NEG CTRL-CM
Christie Mitchell

vial # 5

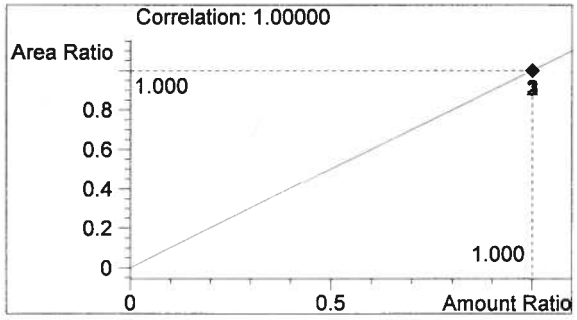


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1763	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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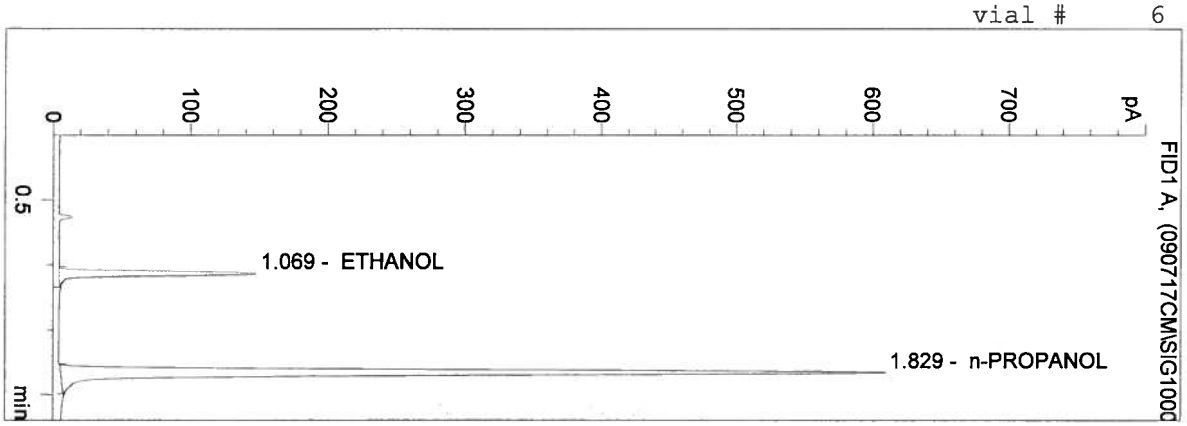
Instrument 3
db-alc2

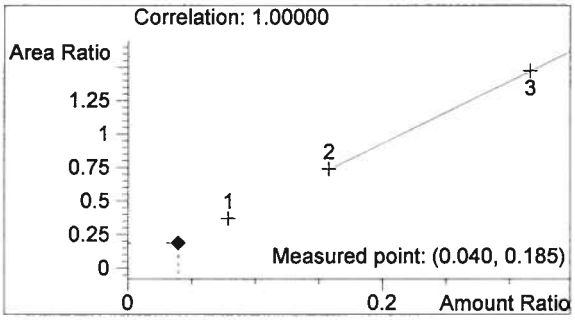
0.04 CTRL-CM
Christie Mitchell

vial # 6

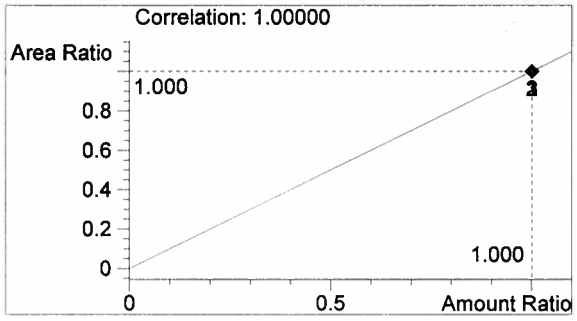


#	Compound	Area	RT
1	ETHANOL	325	1.069
2	n-PROPANOL	1763	1.829

Totals:



ETHANOL 0.040 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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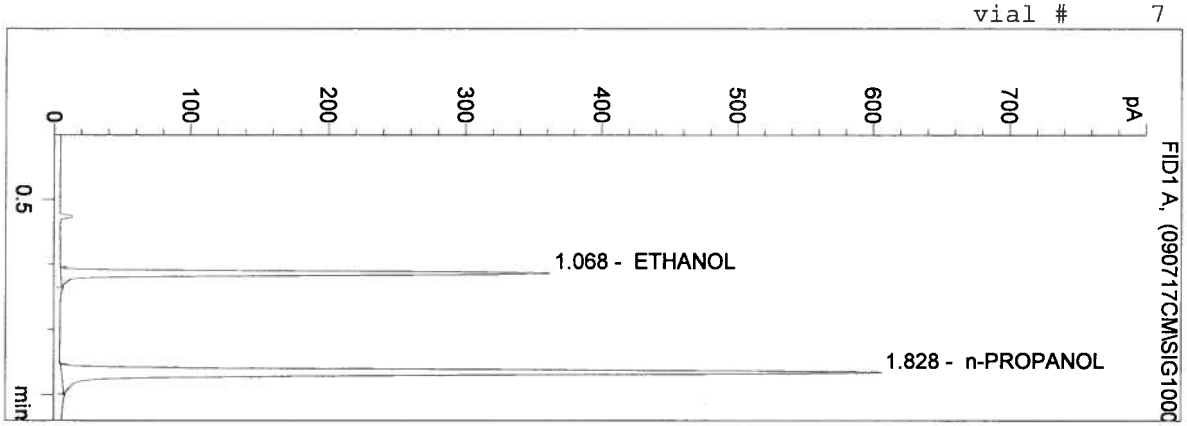
Instrument 3
db-alc2

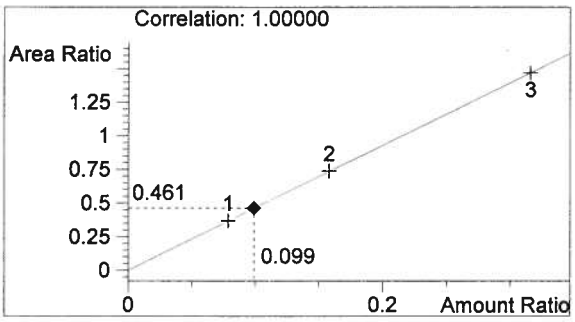
0.10 CTRL-CM
Christie Mitchell

vial # 7

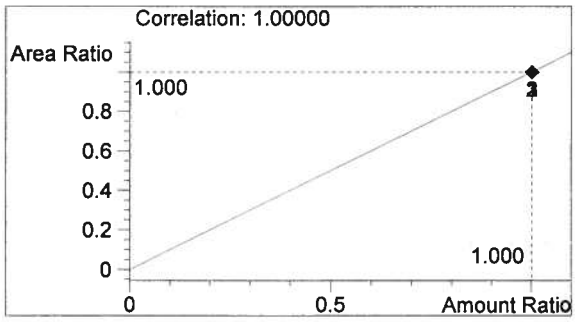


#	Compound	Area	RT
1	ETHANOL	807	1.068
2	n-PROPANOL	1751	1.828

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

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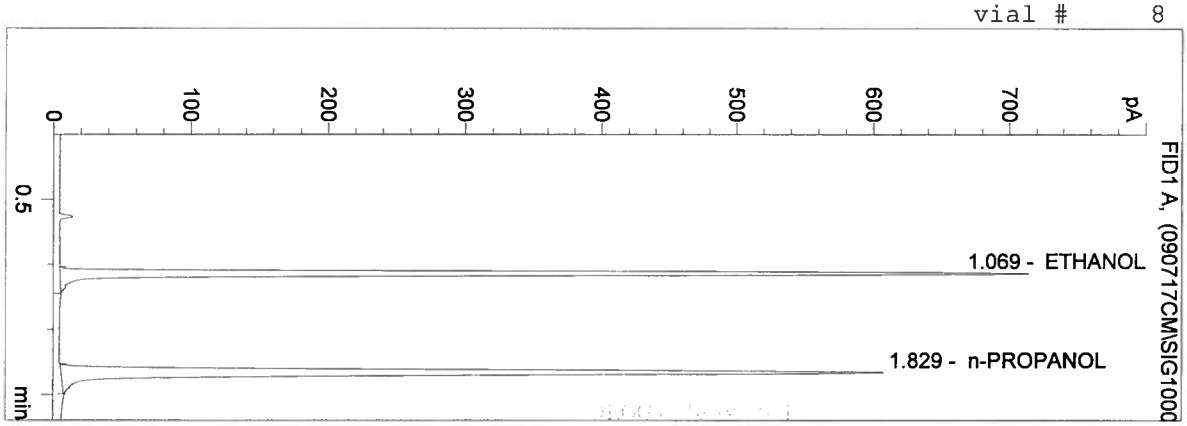
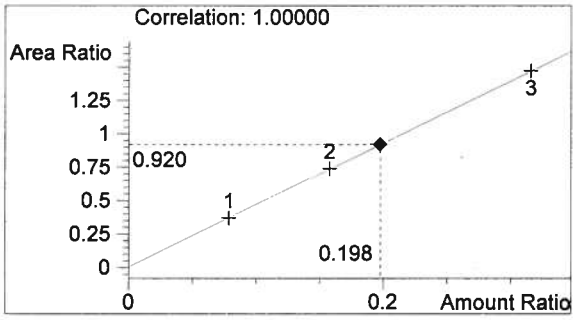
Instrument 3
db-alc2

0.20 CTRL-CM
Christie Mitchell

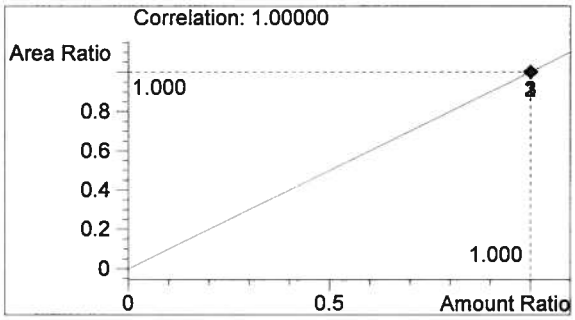
vial # 8



#	Compound	Area	RT
1	ETHANOL	1612	1.069
2	n-PROPANOL	1753	1.829
Totals:			



ETHANOL 0.198 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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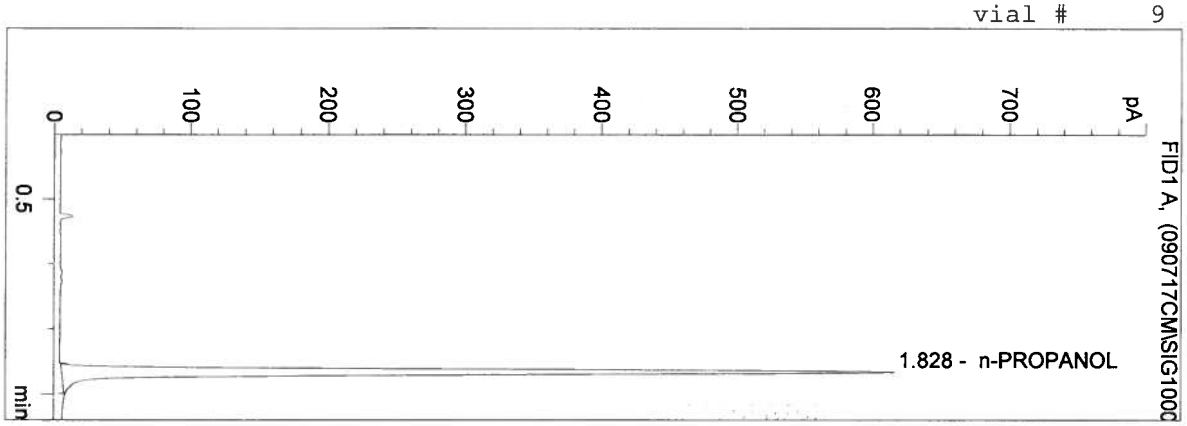
Instrument 3
db-alc2

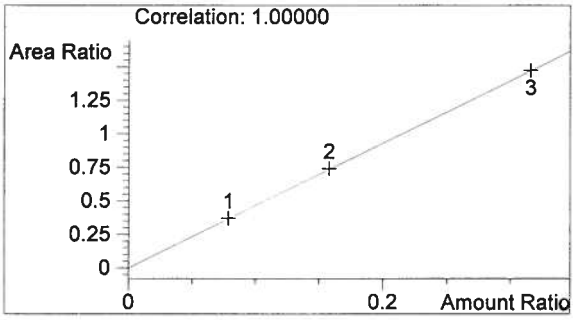
NEG CTRL-CM
Christie Mitchell

vial # 9

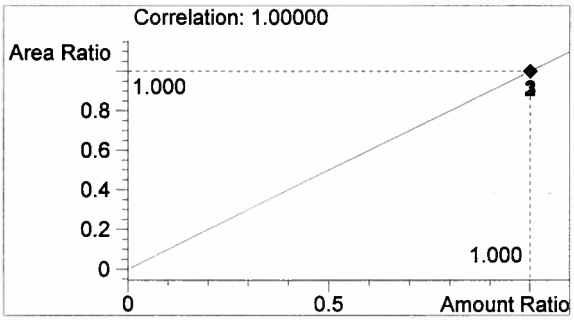


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1784	1.828

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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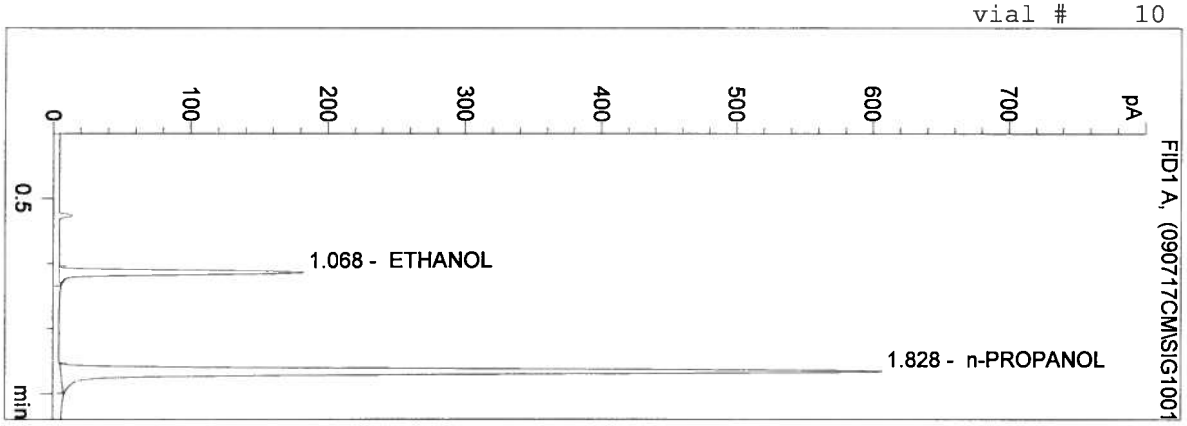
Instrument 3
db-alc2

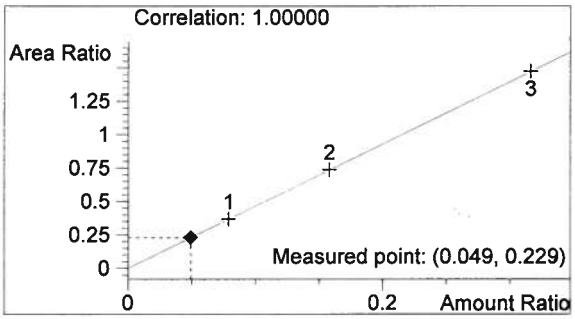
QAP 09028 #1
Christie Mitchell

vial # 10

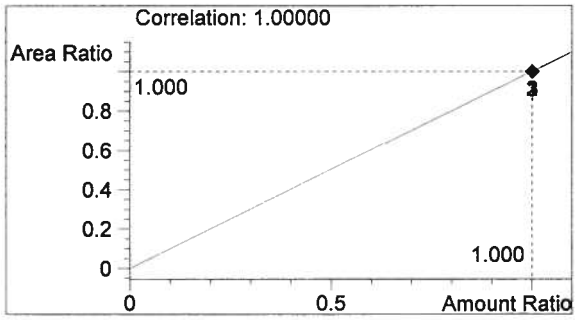


#	Compound	Area	RT
1	ETHANOL	402	1.068
2	n-PROPANOL	1755	1.828

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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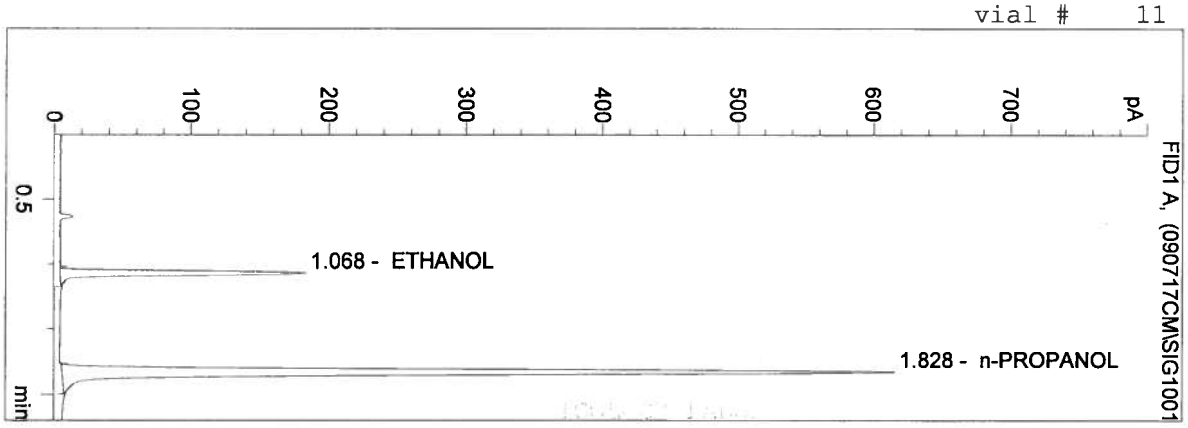
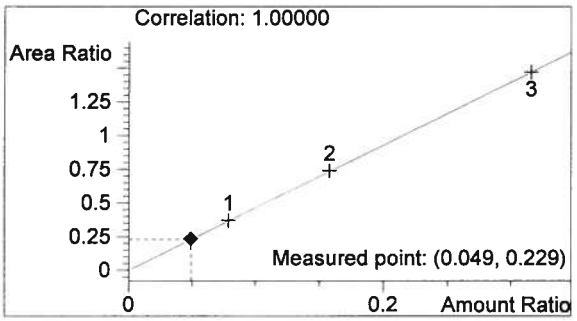
Instrument 3
db-alc2

QAP 09028 #2
Christie Mitchell

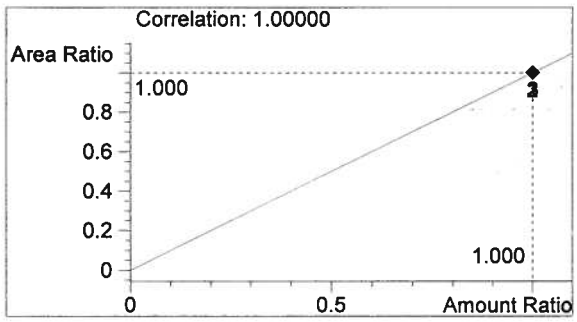
vial # 11



#	Compound	Area	RT
1	ETHANOL	409	1.068
2	n-PROPANOL	1783	1.828
Totals:			



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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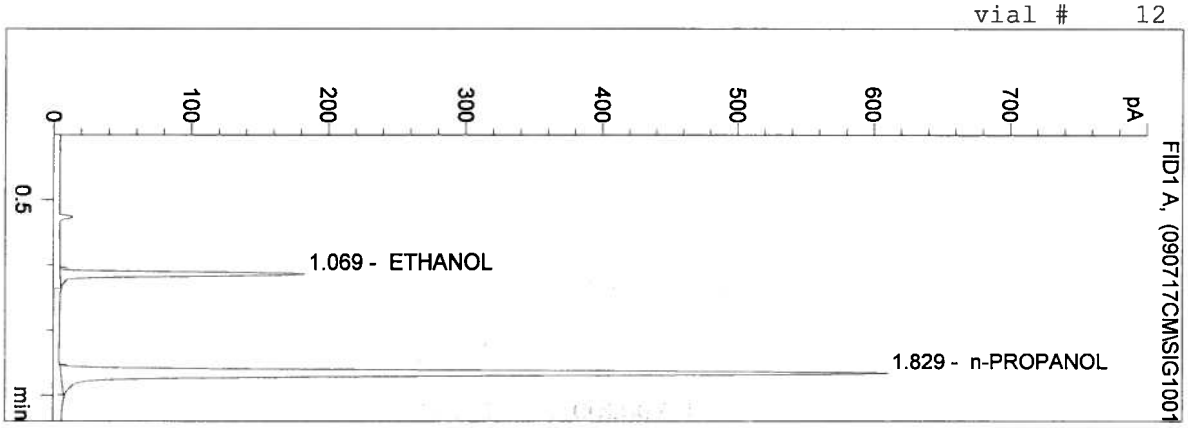
Instrument 3
db-alc2

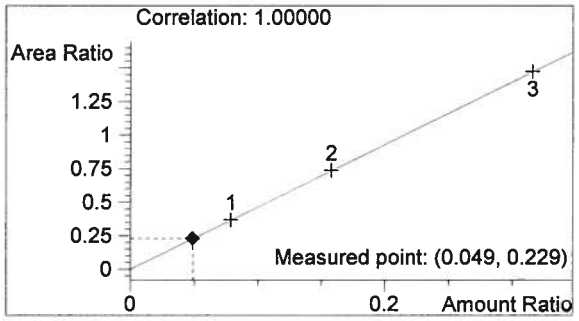
QAP 09028 #3
Christie Mitchell

vial # 12

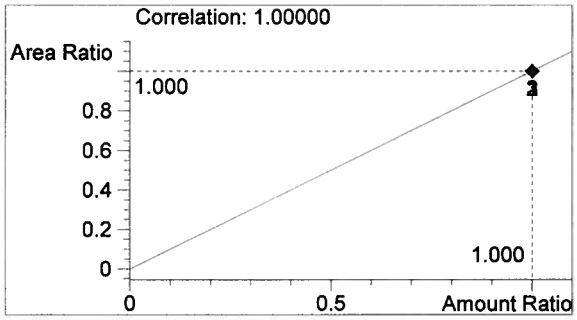


#	Compound	Area	RT
1	ETHANOL	404	1.069
2	n-PROPANOL	1767	1.829

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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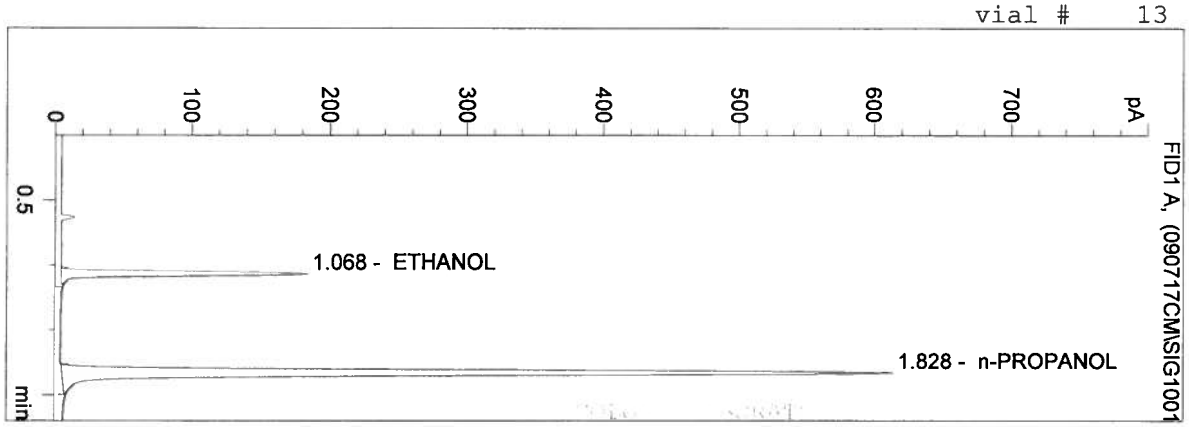
Instrument 3
db-alc2

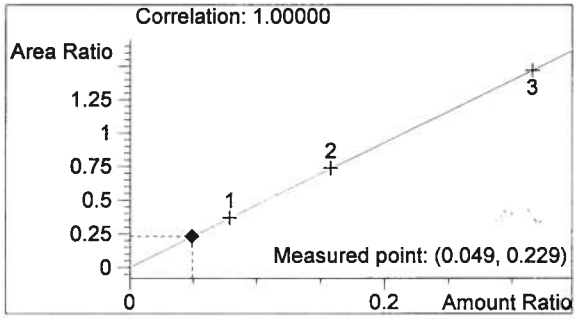
QAP 09028 #4
Christie Mitchell

vial # 13

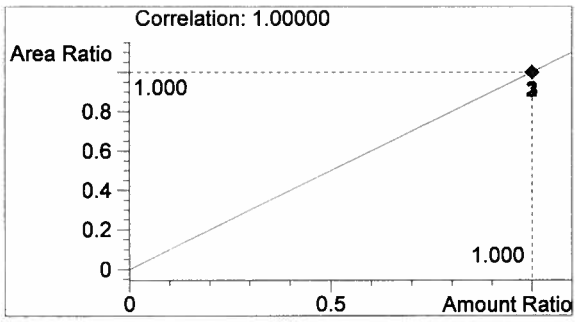


#	Compound	Area	RT
1	ETHANOL	408	1.068
2	n-PROPANOL	1779	1.828

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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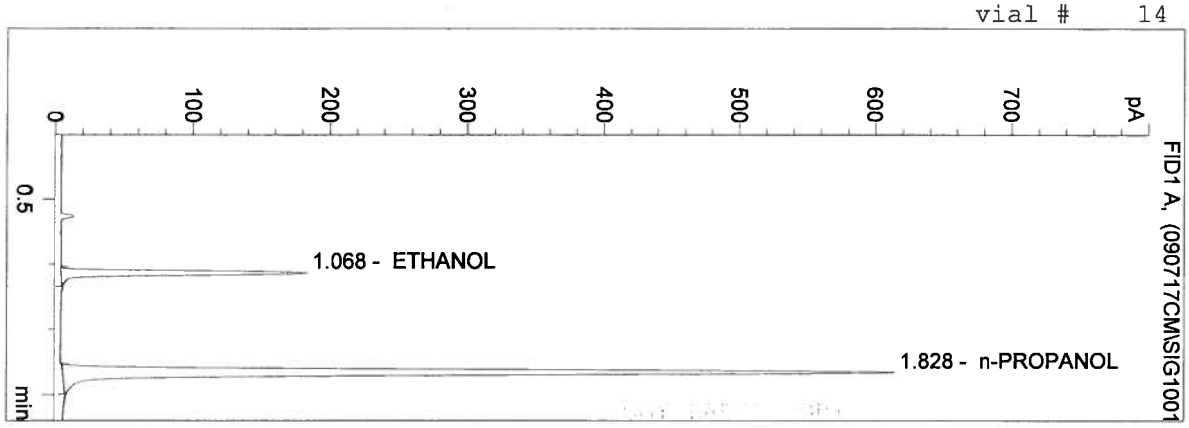
Instrument 3
db-alc2

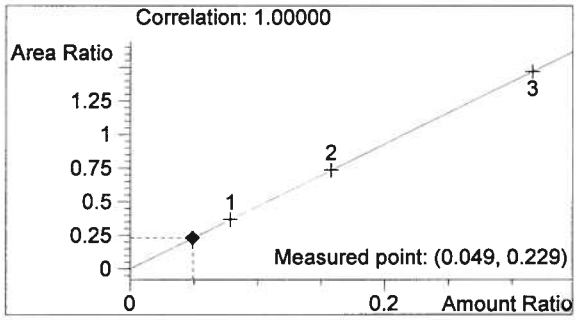
QAP 09028 #5
Christie Mitchell

vial # 14

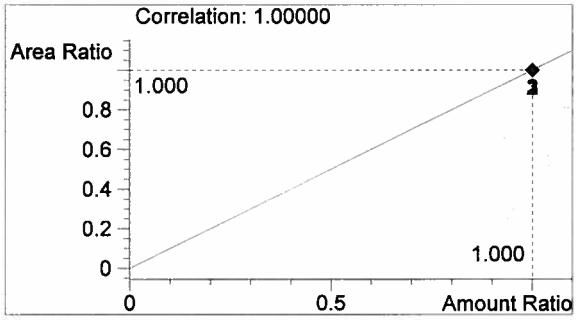


#	Compound	Area	RT
1	ETHANOL	408	1.068
2	n-PROPANOL	1777	1.828

Totals:



ETHANOL 0.049 g/100ml



n-PROPANOL 1.000 g/100ml

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WASHINGTON STATE TOXICOLOGY LABORATORY

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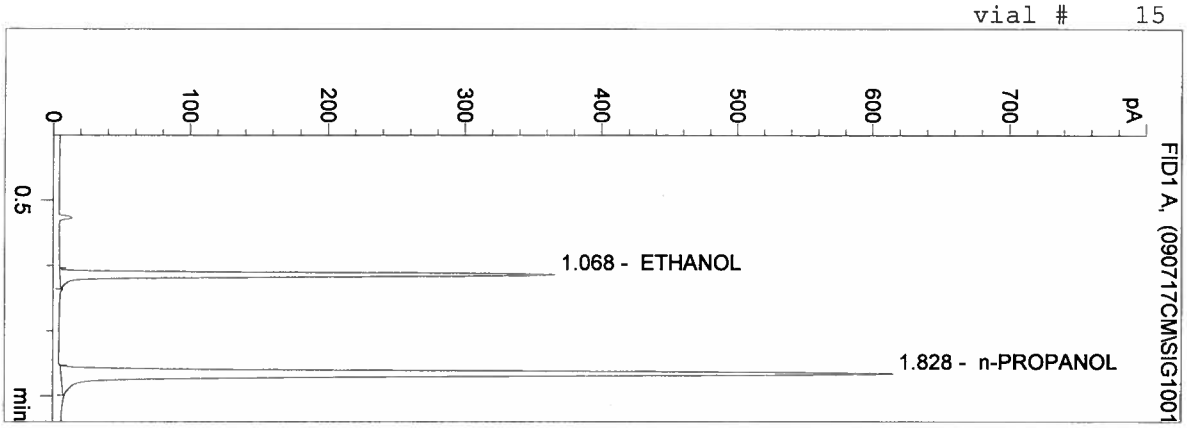
Instrument 3
db-alc2

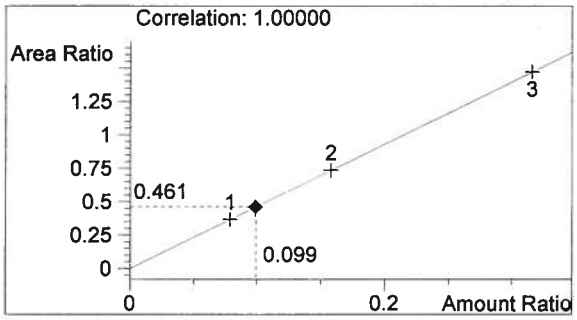
0.10 CTRL-CM
Christie Mitchell

vial # 15

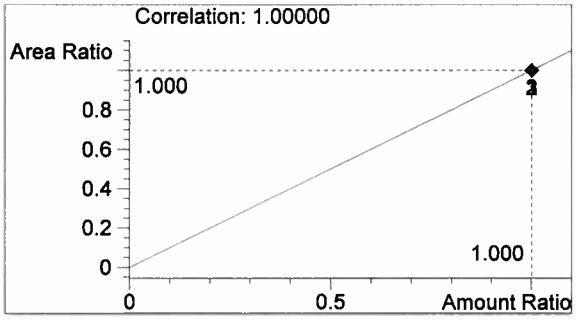


#	Compound	Area	RT
1	ETHANOL	821	1.068
2	n-PROPANOL	1780	1.828

Totals:



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

CM

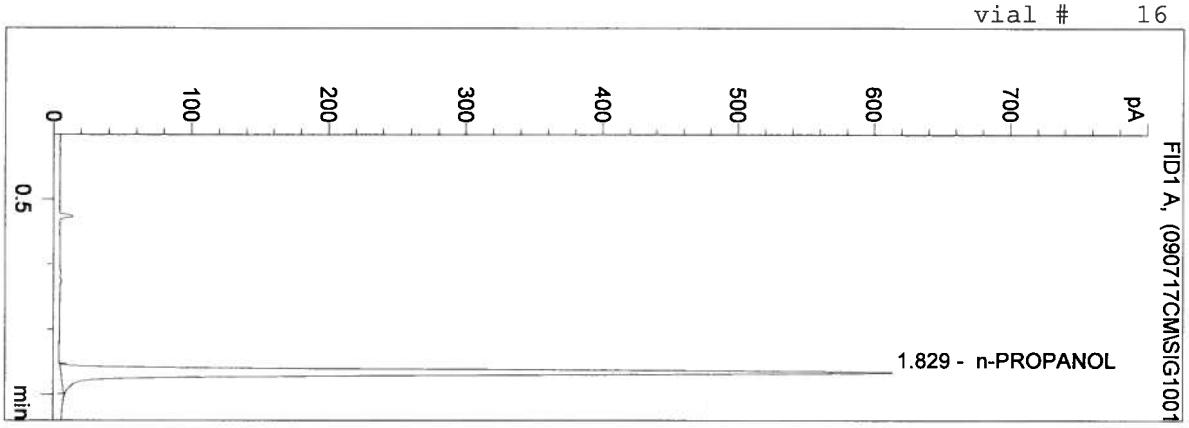
09028

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
7/17/2009 9:51:26 AM
Instrument 3
db-alc2

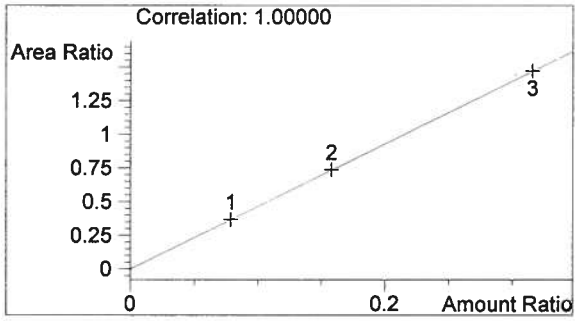
NEG CTRL-CM
Christie Mitchell

vial # 16

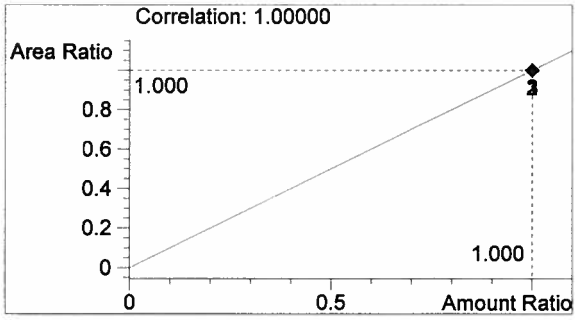


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	1773	1.829

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

CM

09028

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 09028, 09029, 09030, 09031

Preparer: alouis x4466

Date Prepared: 20090714

Expiration Date: 20100714

Lot 200 Proof (100%) Ethanol Used: XV 3014

Date 200 Proof Ethanol Opened: 20090611
(Ethanol standard is approved for use for 6 months after opening unless an extension is approved by the State Toxicologist.)

Vapor Concentration of QAP	Amount of Ethanol	Amount of Deionized Water		
0.04	11.2 mL	18 L	☑	09028
0.08	22.4 mL	18 L	☑	09029
0.1	28.1 mL	18 L	☑	09030
0.15	42.0 mL	18 L	☑	09031
Stir Bar is Rotating			☑	
Stirred for at least 30 minutes			☑	
Spigot Purged			☑	
Aliquot Taken			☑	
Batch Labeled Packaged and Sealed			☑	20090714 Date

Analyst: LOUIS 4466

Date: 20090714