Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: RON GUNBERG / KEN DENTON Date: 9-17-2009

Location: IDS HQ Solution Batch Number: D9045

	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: R. G. Gunberg Date: 9-17-2009

Reviewer Signature: K. L. Tett Date: 9/17/2009

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 09045

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: 0.15 g/210L
DATE PREPARED: 09/11/2009
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Gwynyth Almendarez

	GA	CM	RF
1	0.185	0.186	0.187
2	0.186	0.187	0.184
3	0.185	0.187	0.184
4	0.186	0.186	0.184
5	0.185	0.187	0.184
C	0.100	0.100	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1855 g/100mL
STANDARD DEVIATION: 0.00119
PRECISION CV (%): 0.64
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1508 g/210L**

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa L Pemberton FS-5
Melissa Pemberton FS_5

9/23/09
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
GA	Gwynyth Almendarez	Gwynyth Almendarez	09/11/2009
CM	Christie Mitchell	Christie Mitchell	09/15/2009
RF	Rebecca Flaherty	[illegible]	09/16/2009

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 #: **09045** **Date Prepared:** **9/11/2009**

Analyst:	GA	CM	RF
Date Tested:	9/11/2009	9/15/2009	9/16/2009
Instrument:	HS#3	HS#3	HS#3
1	0.185	0.186	0.187
2	0.186	0.187	0.184
3	0.185	0.187	0.184
4	0.186	0.186	0.184
5	0.185	0.187	0.184
C	0.100	0.100	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	CV^2_{Bias}	$CV^2_{Part\ Coef}$
0.0000000900	0.0000027298	0.0000111856	0.0000333333	0.0001016326

Ethanol Control Lot #: A064767
Control Uncertainty (%): 0.03
Maximum (-) Control Bias: 0.001
Maximum (+) Control Bias: 0.000

Average Solution Concentration: 0.1855 g/100mL
Standard Deviation: 0.00119 g/100mL
Precision CV (%): 0.64
Equivalent Vapor Concentration: 0.1508 g/210L
Combined Standard Uncertainty (±): 0.0018 g/210L

Calculations performed by: Melissa L. Pemberton [signature] 9/17/09
Name Signature Date

Calculations verified by: Rob G Gulliberg [signature] 9-17-09 Method: Excel
Name Signature Date

Tech. review performed by: Melissa L. Pemberton [signature] 9/17/09
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Black		
Asa Louis		
Brian Capron		
Brianna Peterson		
Brianne Akins		
Brittany Ball		
Christie Mitchell	CM	9/17/09
Christopher Johnston		
Gwynyth Almendarez	GA	9/17/09
Justin Knoy		
Lisa Noble		
Melissa Pemberton		
Naziha Nuwayhid		
Rebecca Flaherty	RF	09/17/09
Sarah Swenson		

Batch # 09045

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 0.15 QAP SOLUTION CERTIFICATION FOR LOT 09045

I, Gwynyth Almendarez, do certify under penalty of perjury that:

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

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

The qap solution, Lot Number 09045, was prepared in the Washington State Toxicology Laboratory on 9/11/2009. 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 9/11/2010.

Seattle, WA

Gwynyth Almendarez 9/17/09

Gwynyth Almendarez Date

Forensic Toxicologist

GA/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 0.15 QAP SOLUTION CERTIFICATION FOR LOT 09045

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 09045, was prepared in the Washington State Toxicology Laboratory on 9/11/2009. 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 9/11/2010.

Seattle, WA

Christie Mitchell 9/17/2009

Christie Mitchell Date

Forensic Toxicologist

CM/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 0.15 QAP SOLUTION CERTIFICATION FOR LOT 09045

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 09045, was prepared in the Washington State Toxicology Laboratory on 9/11/2009. 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 9/11/2010.

Seattle, WA

09/17/09

Rebecca Flaherty — Date

Forensic Toxicologist

RF/ik

Sequence Parameters:

Operator:	Gwynyth Almendarez
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:	090911GA
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot#A067397 - exp 09/2013
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- GA	SIMALC	1	Ctrl Samp		
6	Vial 6	0.04 CTRL- GA	SIMALC	1	Ctrl Samp		
7	Vial 7	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
8	Vial 8	0.20 CTRL- GA	SIMALC	1	Ctrl Samp		
9	Vial 9	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
10	Vial 10	09042 #1	SIMALC	1	Sample		
11	Vial 11	09042 #2	SIMALC	1	Sample		
12	Vial 12	09042 #3	SIMALC	1	Sample		
13	Vial 13	09042 #4	SIMALC	1	Sample		
14	Vial 14	09042 #5	SIMALC	1	Sample		
15	Vial 15	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
16	Vial 16	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
17	Vial 17	09043 #1	SIMALC	1	Sample		
18	Vial 18	09043 #2	SIMALC	1	Sample		
19	Vial 19	09043 #3	SIMALC	1	Sample		
20	Vial 20	09043 #4	SIMALC	1	Sample		
21	Vial 21	09043 #5	SIMALC	1	Sample		
22	Vial 22	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
23	Vial 23	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
24	Vial 24	09044 #1	SIMALC	1	Sample		
25	Vial 25	09044 #2	SIMALC	1	Sample		
26	Vial 26	09044 #3	SIMALC	1	Sample		
27	Vial 27	09044 #4	SIMALC	1	Sample		
28	Vial 28	09044 #5	SIMALC	1	Sample		
29	Vial 29	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
30	Vial 30	NEG CTRL- GA	SIMALC	1	Ctrl Samp		
31	Vial 31	09045 #1	SIMALC	1	Sample		
32	Vial 32	09045 #2	SIMALC	1	Sample		

calibrators & ctrls filed with 09042

09042
09043
09044
09045

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	09045 #3	SIMALC	1	Sample		
34	Vial 34	09045 #4	SIMALC	1	Sample		
35	Vial 35	09045 #5	SIMALC	1	Sample		
36	Vial 36	0.10 CTRL- GA	SIMALC	1	Ctrl Samp		
37	Vial 37	NEG CTRL- GA	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!

09042

09043

09044

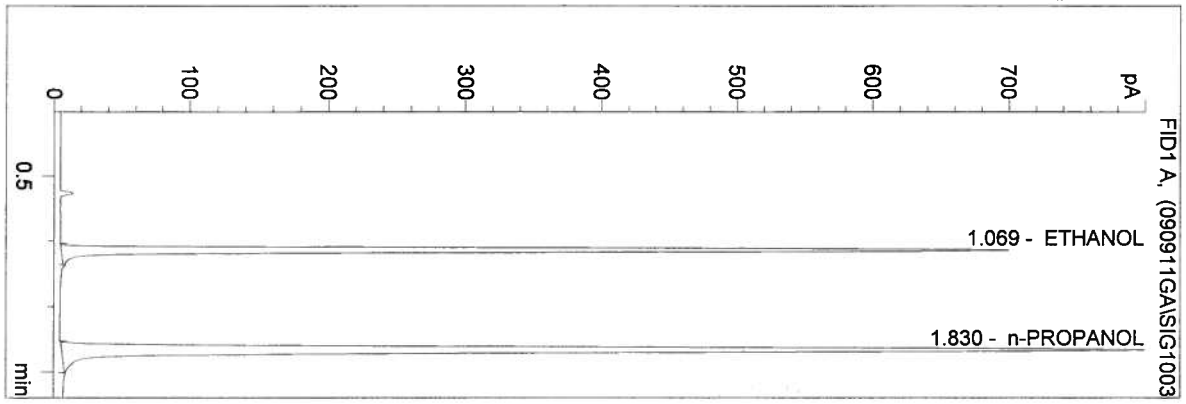
09045

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:05:05 PM
Instrument 3
db-alc2

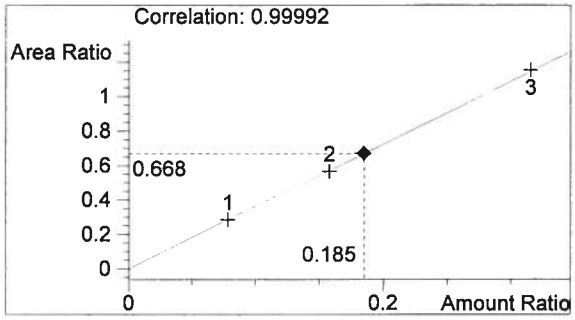
09045 #1
Gwynyth Almendarez

vial # 31

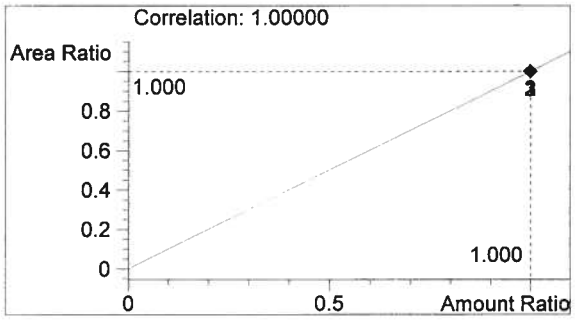


#	Compound	Area	RT
1	ETHANOL	1545	1.069
2	n-PROPANOL	2313	1.830

Totals:



ETHANOL 0.185 g/100ml



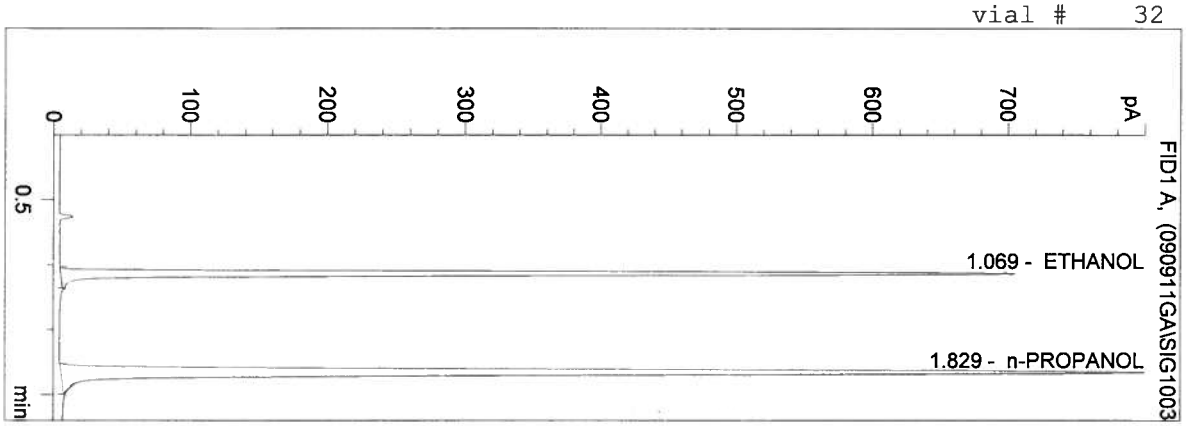
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:08:09 PM
Instrument 3
db-alc2

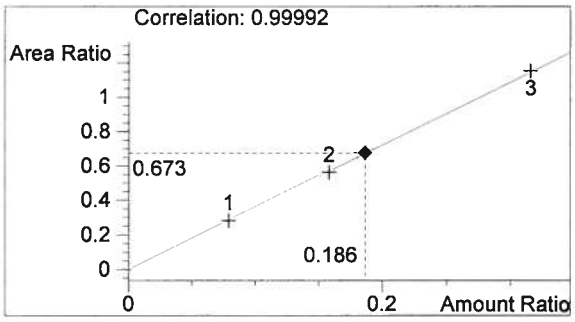
09045 #2
Gwynyth Almendarez

vial # 32

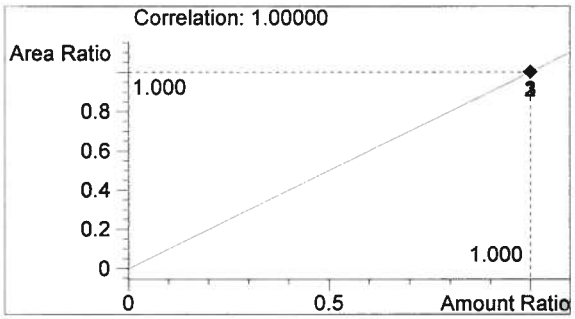


#	Compound	Area	RT
1	ETHANOL	1551	1.069
2	n-PROPANOL	2304	1.829

Totals:



ETHANOL 0.186 g/100ml



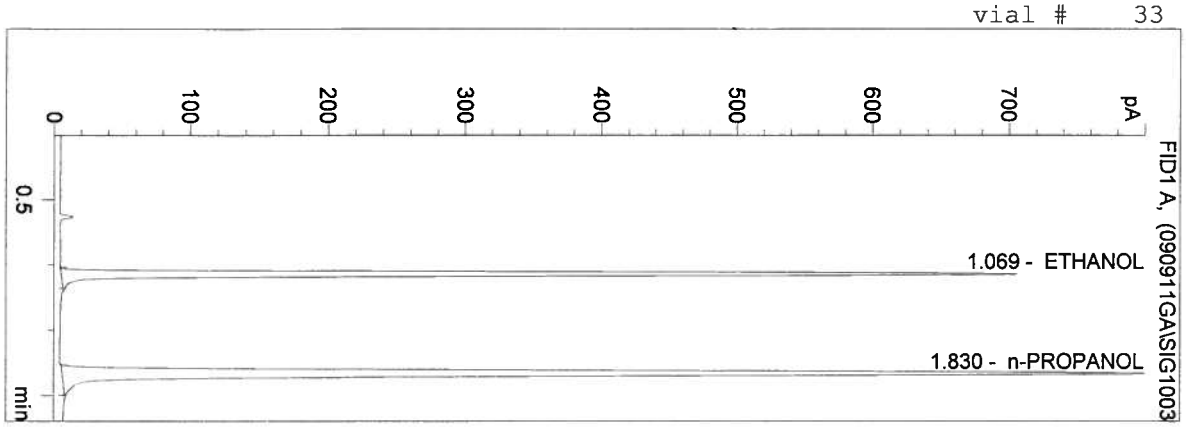
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:11:17 PM
Instrument 3
db-alc2

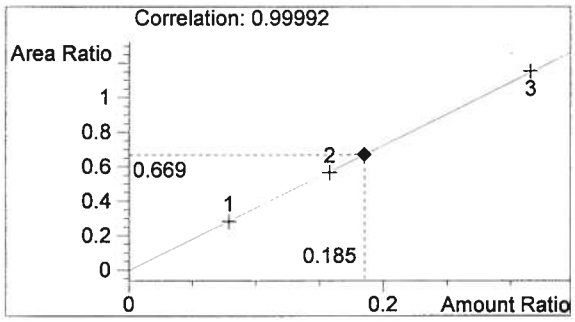
09045 #3
Gwynyth Almendarez

vial # 33

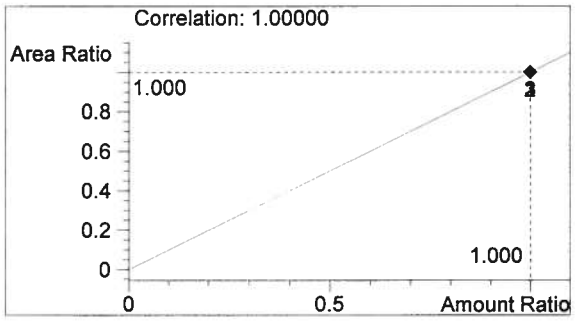


#	Compound	Area	RT
1	ETHANOL	1557	1.069
2	n-PROPANOL	2328	1.830

Totals:



ETHANOL 0.185 g/100ml



n-PROPANOL 1.000 g/100ml

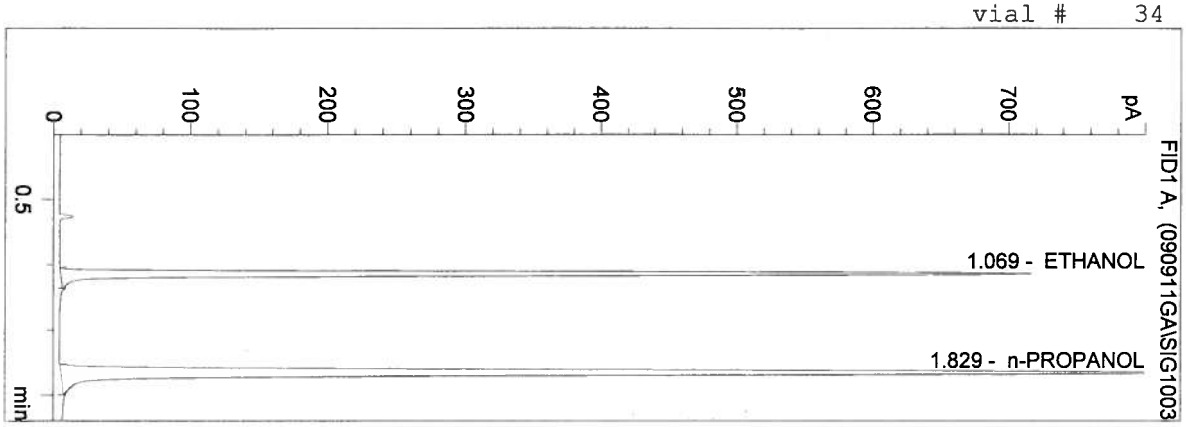
yso

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:14:25 PM
Instrument 3
db-alc2

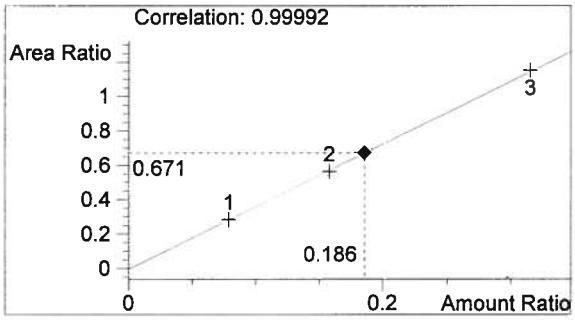
09045 #4
Gwynyth Almendarez

vial # 34

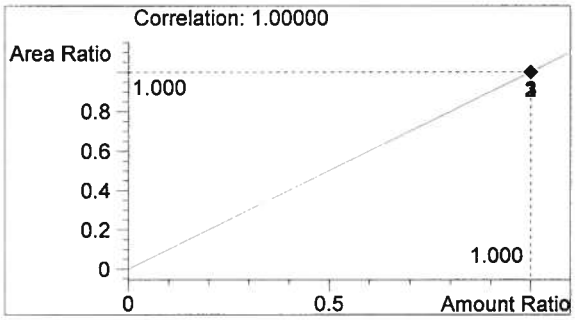


#	Compound	Area	RT
1	ETHANOL	1581	1.069
2	n-PROPANOL	2356	1.829

Totals:



ETHANOL 0.186 g/100ml



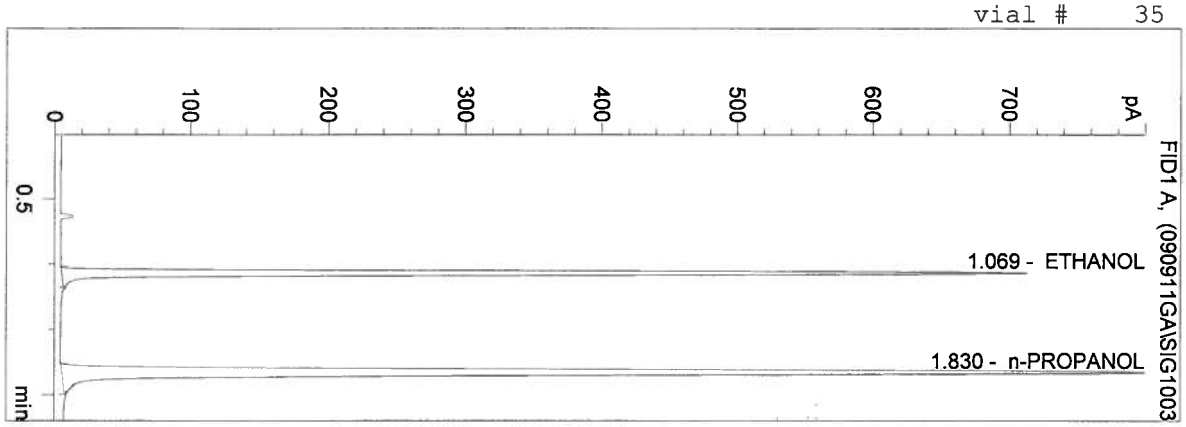
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:17:32 PM
Instrument 3
db-alc2

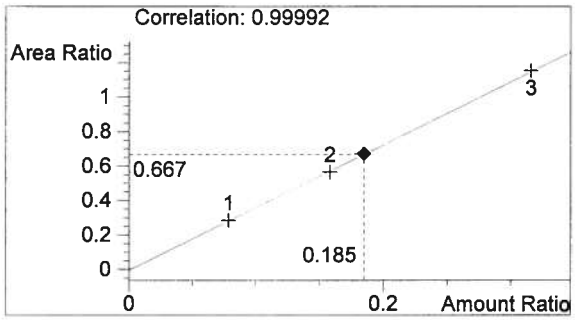
09045 #5
Gwynyth Almendarez

vial # 35

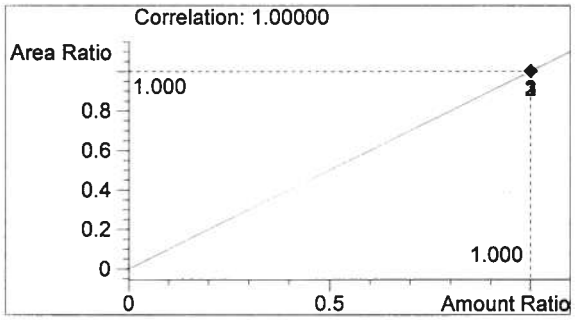


#	Compound	Area	RT
1	ETHANOL	1576	1.069
2	n-PROPANOL	2363	1.830

Totals:



ETHANOL 0.185 g/100ml



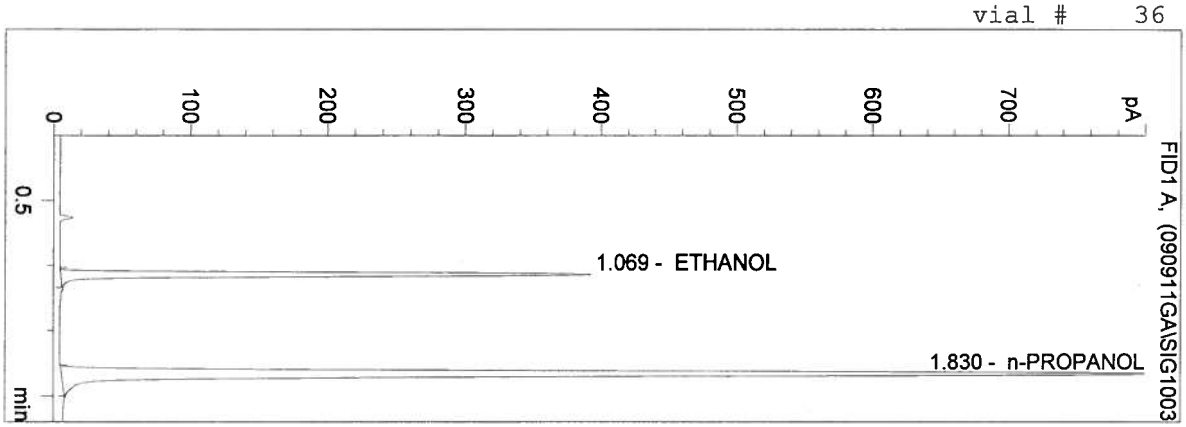
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:20:40 PM
Instrument 3
db-alc2

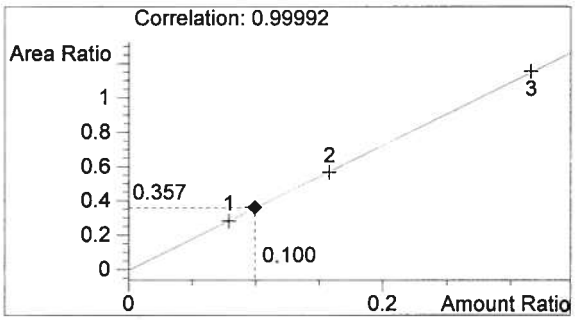
0.10 CTRL- GA
Gwynyth Almendarez

vial # 36

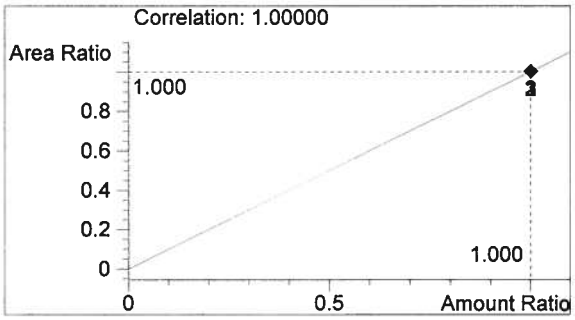


#	Compound	Area	RT
1	ETHANOL	859	1.069
2	n-PROPANOL	2404	1.830

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

09044

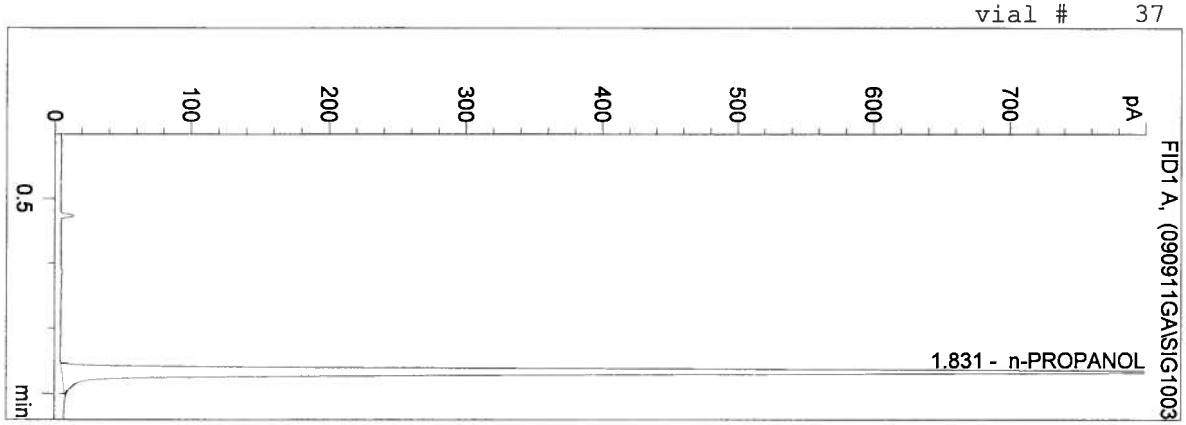
09045

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/11/2009 3:23:48 PM
Instrument 3
db-alc2

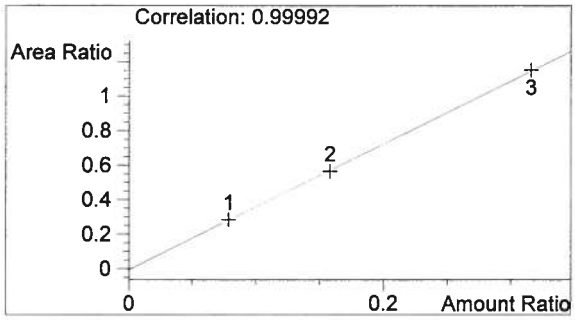
NEG CTRL- GA
Gwynyth Almendarez

vial # 37

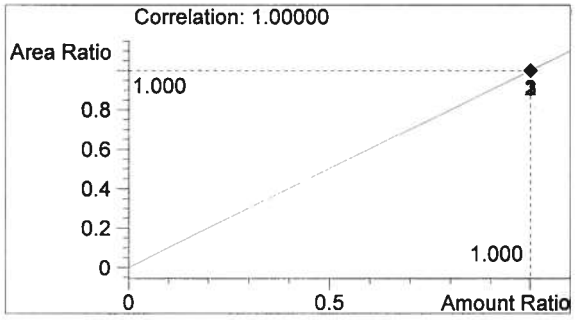


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2439	1.831

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

~~09044~~
09045

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

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:	090915CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A067397 - exp 09/2013
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	CM ESS 09042 #1	SIMALC	1	Sample		
11	Vial 11	QAP ESS 09042 #2	SIMALC	1	Sample		
12	Vial 12	ESS 09042 #3	SIMALC	1	Sample		
13	Vial 13	ESS 09042 #4	SIMALC	1	Sample		
14	Vial 14	ESS 09042 #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	CM ESS 09043 #1	SIMALC	1	Sample		
18	Vial 18	QAP ESS 09043 #2	SIMALC	1	Sample		
19	Vial 19	ESS 09043 #3	SIMALC	1	Sample		
20	Vial 20	ESS 09043 #4	SIMALC	1	Sample		
21	Vial 21	ESS 09043 #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	CM ESS 09044 #1	SIMALC	1	Sample		
25	Vial 25	QAP ESS 09044 #2	SIMALC	1	Sample		
26	Vial 26	ESS 09044 #3	SIMALC	1	Sample		
27	Vial 27	ESS 09044 #4	SIMALC	1	Sample		
28	Vial 28	ESS 09044 #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	CM ESS 09045 #1	SIMALC	1	Sample		
32	Vial 32	QAP ESS 09045 #2	SIMALC	1	Sample		

~~09044~~ 09045

CM

Calibrators and controls filed with 09042 data

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	ESS 09045 #3	SIMALC	1	Sample		
34	Vial 34	ESS 09045 #4	SIMALC	1	Sample		
35	Vial 35	ESS 09045 #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!

~~09044~~

09045

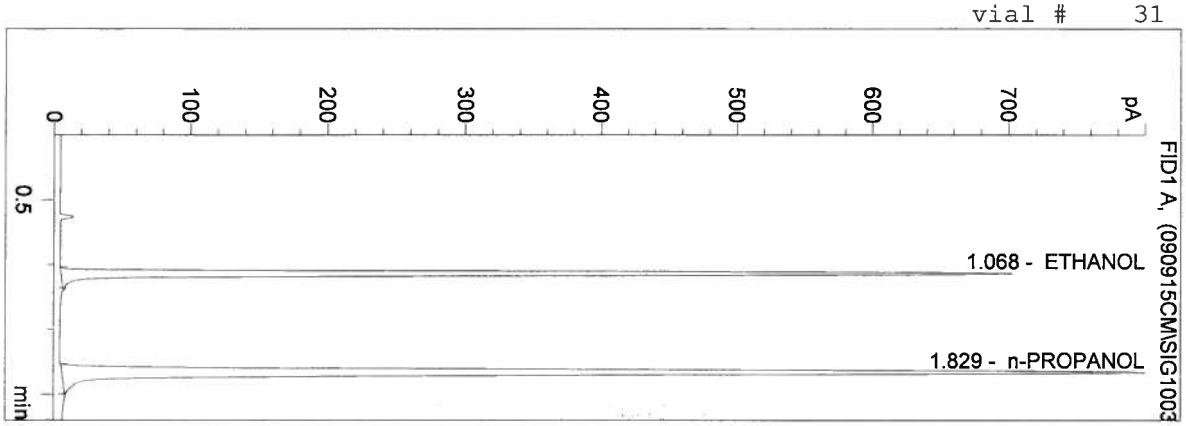
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:15:28 AM
Instrument 3
db-alc2

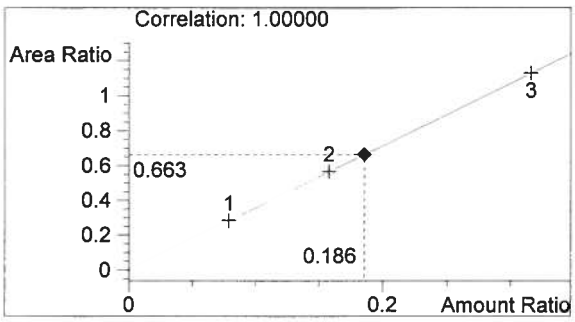
QAP
CM ~~ESS~~ 09045 #1
Christie Mitchell

vial # 31

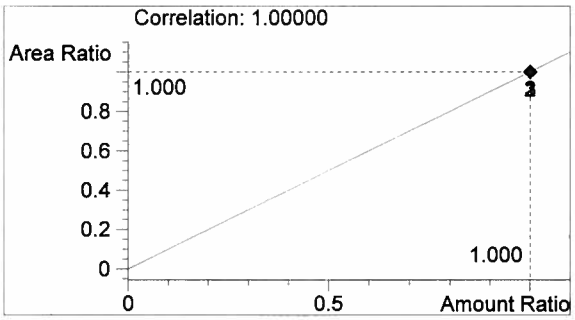


#	Compound	Area	RT
1	ETHANOL	1548	1.068
2	n-PROPANOL	2336	1.829

Totals:



ETHANOL 0.186 g/100ml



n-PROPANOL 1.000 g/100ml

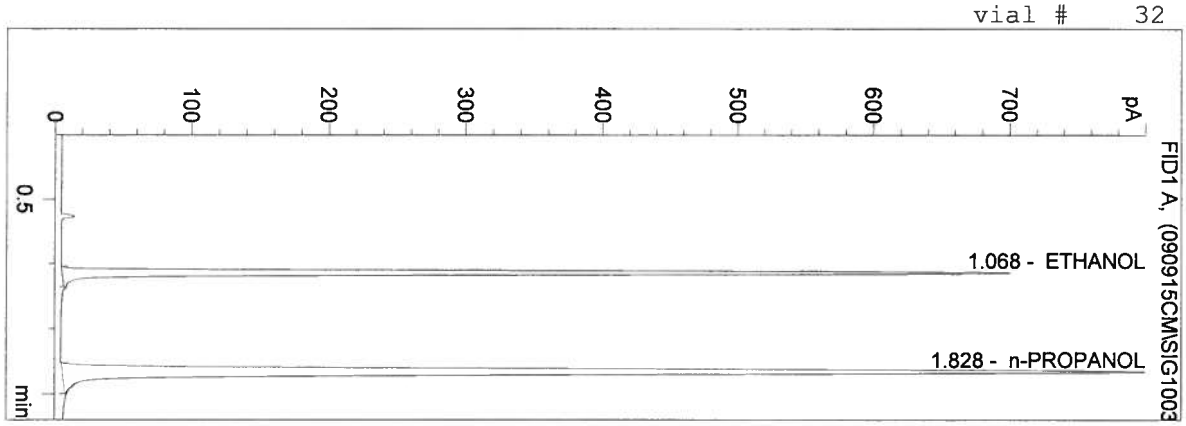
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:18:35 AM
Instrument 3
db-alc2

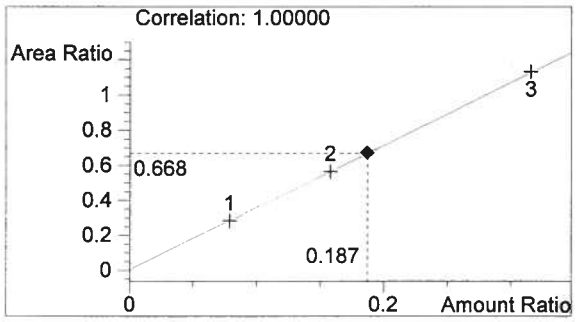
QAP
~~ESS~~ 09045 #2
Christie Mitchell

vial # 32

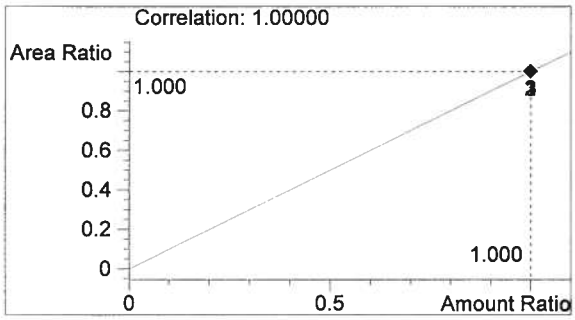


#	Compound	Area	RT
1	ETHANOL	1546	1.068
2	n-PROPANOL	2315	1.828

Totals:



ETHANOL 0.187 g/100ml



n-PROPANOL 1.000 g/100ml

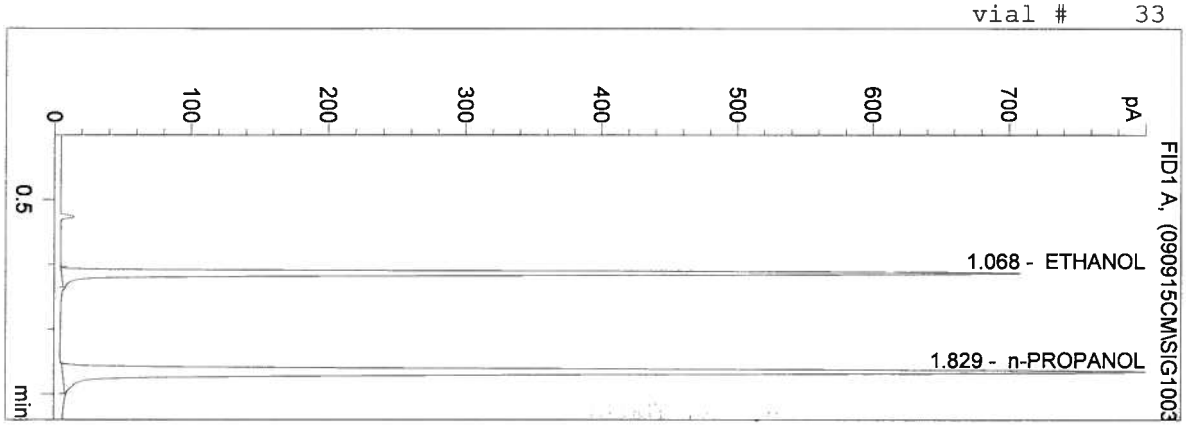
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:21:43 AM
Instrument 3
db-alc2

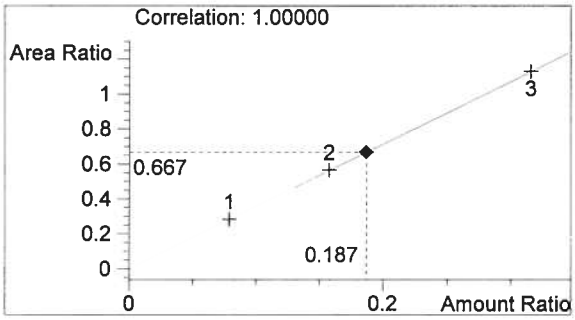
QAP
CM ~~ESS~~ 09045 #3
Christie Mitchell

vial # 33

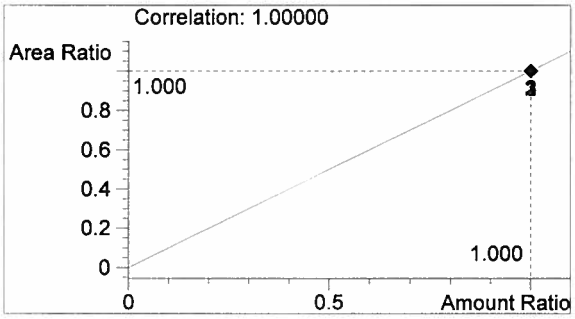


#	Compound	Area	RT
1	ETHANOL	1556	1.068
2	n-PROPANOL	2334	1.829

Totals:



ETHANOL 0.187 g/100ml



n-PROPANOL 1.000 g/100ml

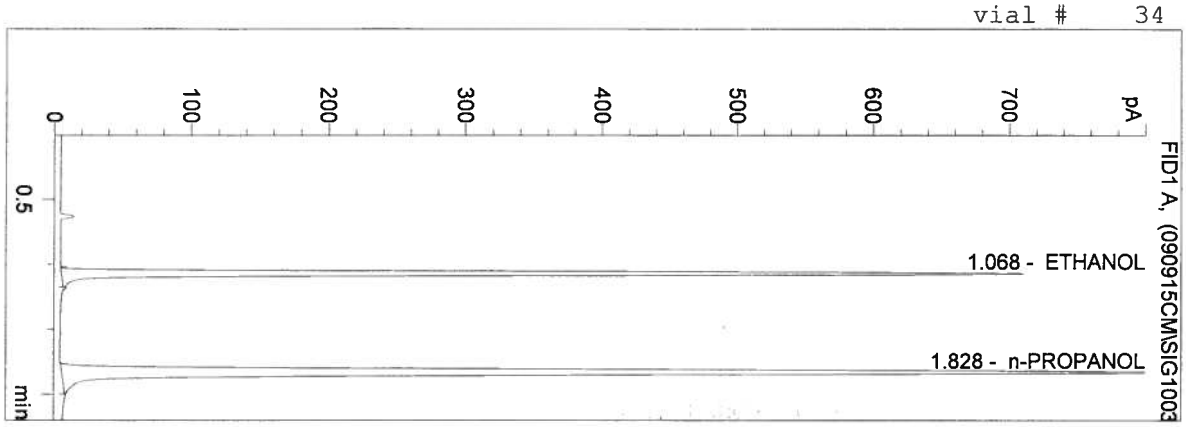
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

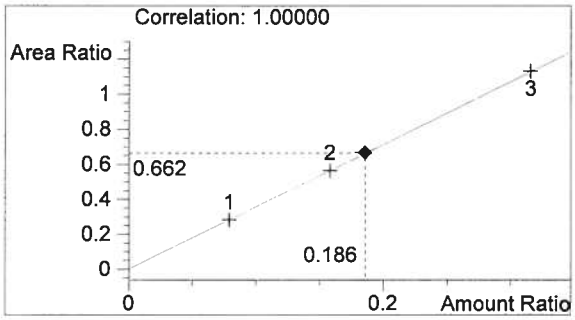
C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:24:51 AM
Instrument 3
db-alc2

QAP
CM ~~ESS~~ 09045 #4
Christie Mitchell

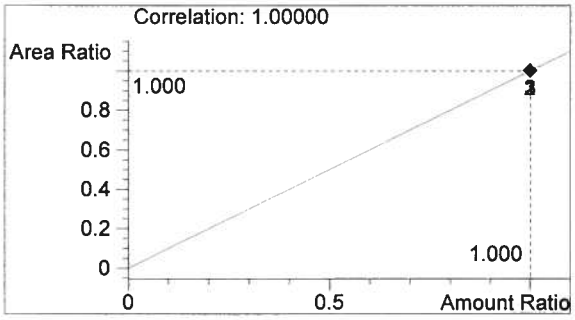
vial # 34



#	Compound	Area	RT
1	ETHANOL	1553	1.068
2	n-PROPANOL	2344	1.828
Totals:			



ETHANOL 0.186 g/100ml



n-PROPANOL 1.000 g/100ml

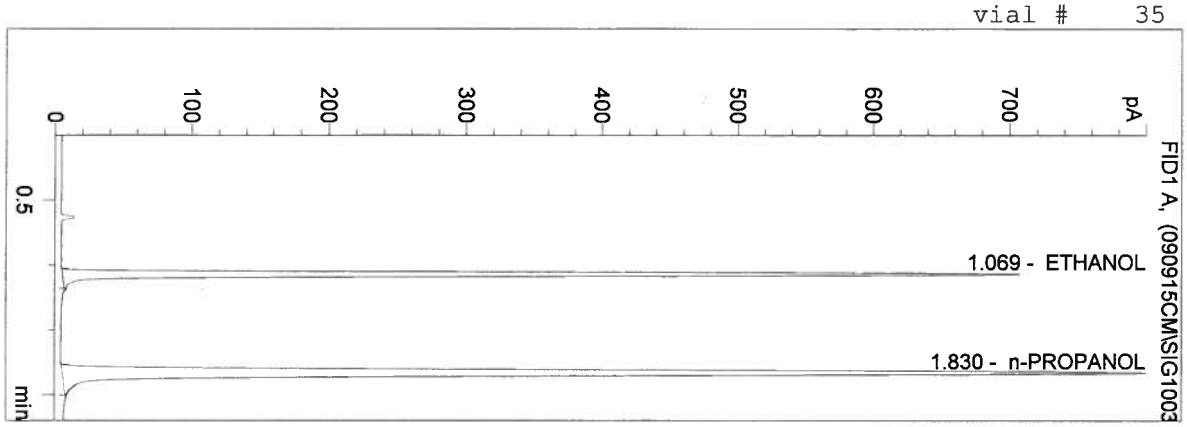
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:27:59 AM
Instrument 3
db-alc2

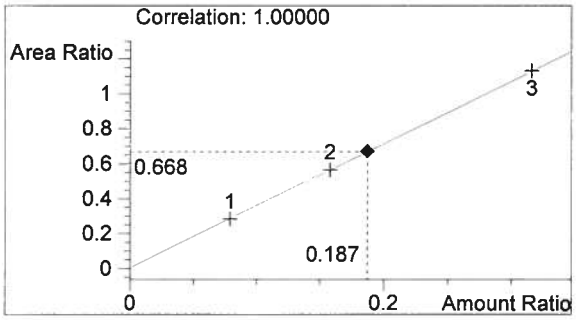
QAP
CM ~~ESS~~ 09045 #5
Christie Mitchell

vial # 35

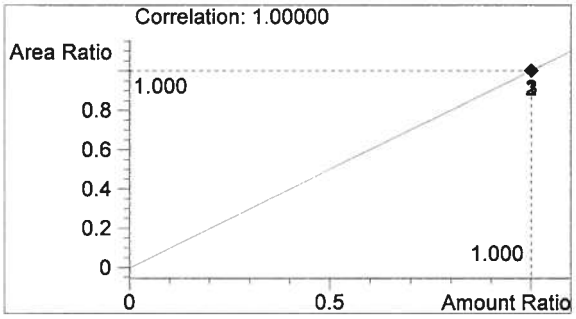


#	Compound	Area	RT
1	ETHANOL	1552	1.069
2	n-PROPANOL	2324	1.830

Totals:



ETHANOL 0.187 g/100ml



n-PROPANOL 1.000 g/100ml

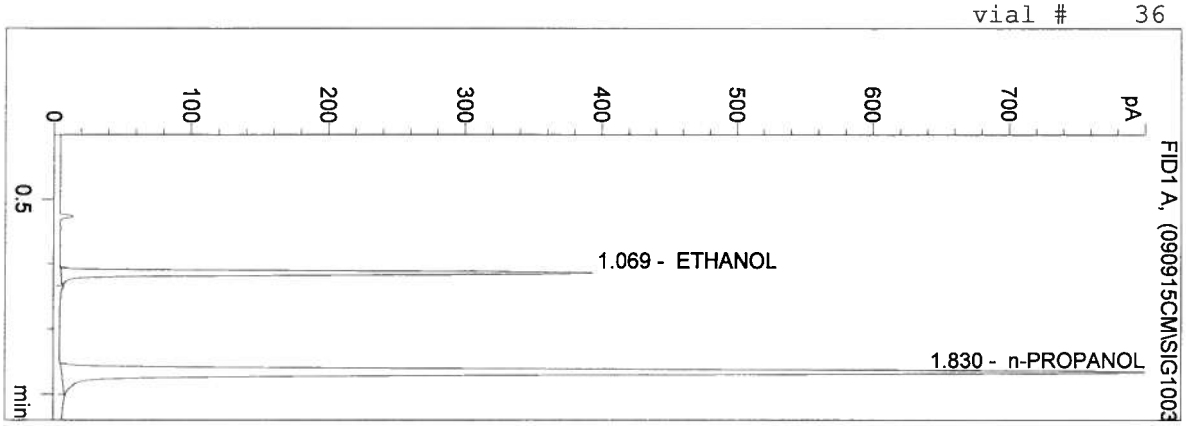
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:31:07 AM
Instrument 3
db-alc2

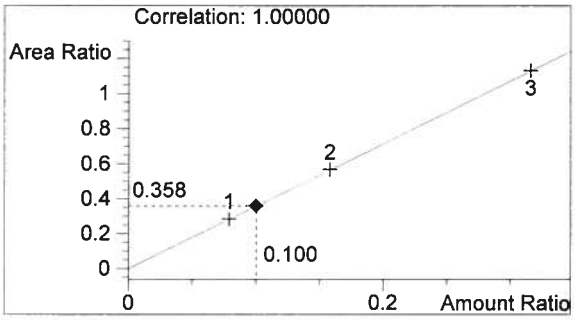
0.10 CTRL-CM
Christie Mitchell

vial # 36

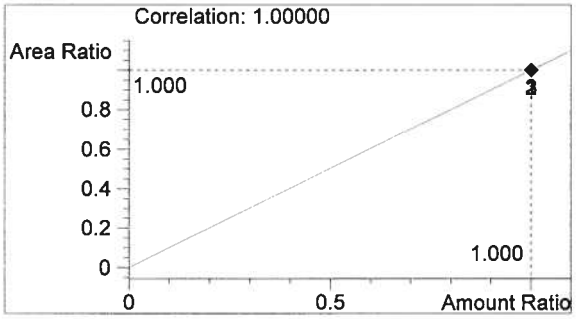


#	Compound	Area	RT
1	ETHANOL	858	1.069
2	n-PROPANOL	2394	1.830

Totals:



ETHANOL 0.100 g/100ml



n-PROPANOL 1.000 g/100ml

ref

~~09011~~

CM

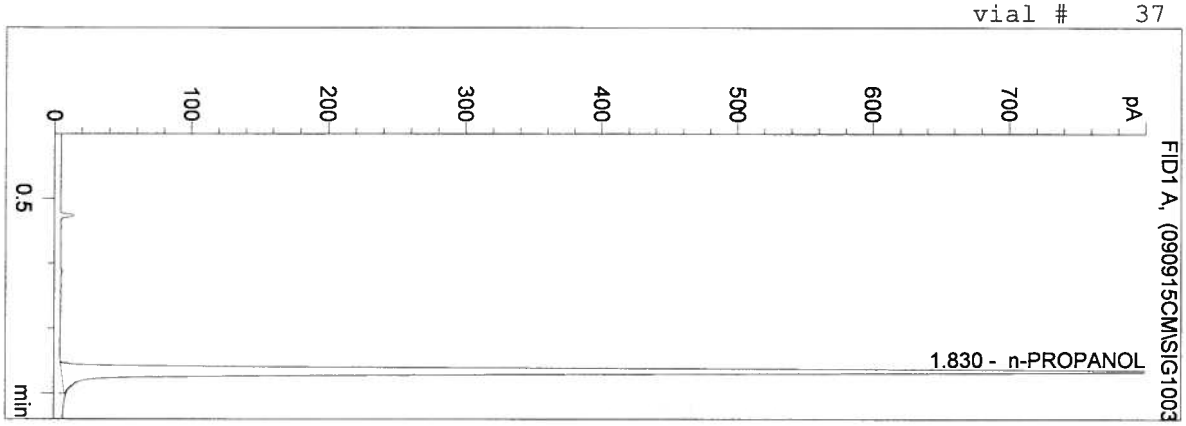
#09045

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/15/2009 11:34:14 AM
Instrument 3
db-alc2

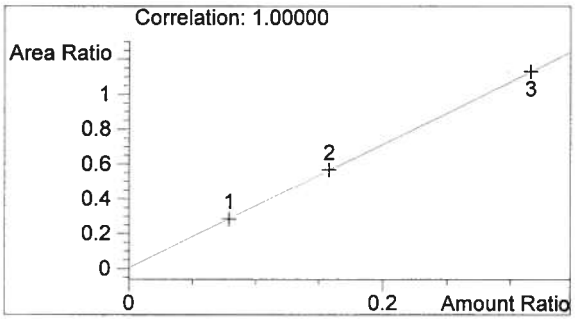
NEG CTRL-CM
Christie Mitchell

vial # 37

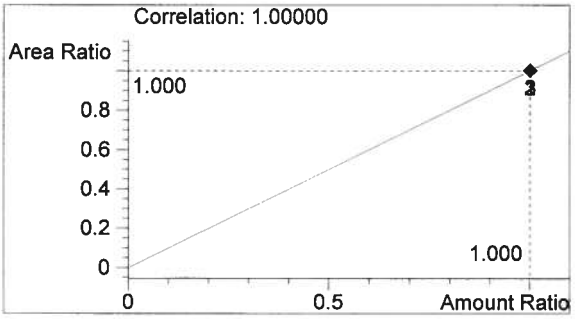


#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2421	1.830

Totals:



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

MP

~~09044~~

09045

CM

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	090916RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
0.04 Control - Lot # A067397 - exp 09/2013
0.10 Control - Lot # A064767 - exp 04/2013
0.20 Control - Lot # A064522 - exp 04/2013

RF

calibration filed with QAP 09042

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 09042 #1	SIMALC	1	Sample		
11	Vial 11	QAP 09042 #2	SIMALC	1	Sample		
12	Vial 12	QAP 09042 #3	SIMALC	1	Sample		
13	Vial 13	QAP 09042 #4	SIMALC	1	Sample		
14	Vial 14	QAP 09042 #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 09043 #1	SIMALC	1	Sample		
18	Vial 18	QAP 09043 #2	SIMALC	1	Sample		
19	Vial 19	QAP 09043 #3	SIMALC	1	Sample		
20	Vial 20	QAP 09043 #4	SIMALC	1	Sample		
21	Vial 21	QAP 09043 #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 09044 #1	SIMALC	1	Sample		
25	Vial 25	QAP 09044 #2	SIMALC	1	Sample		
26	Vial 26	QAP 09044 #3	SIMALC	1	Sample		
27	Vial 27	QAP 09044 #4	SIMALC	1	Sample		
28	Vial 28	QAP 09044 #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 09045 #1	SIMALC	1	Sample		
32	Vial 32	QAP 09045 #2	SIMALC	1	Sample		

~~09044~~ HL

09045

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
33	Vial 33	QAP 09045 #3	SIMALC	1	Sample		
34	Vial 34	QAP 09045 #4	SIMALC	1	Sample		
35	Vial 35	QAP 09045 #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

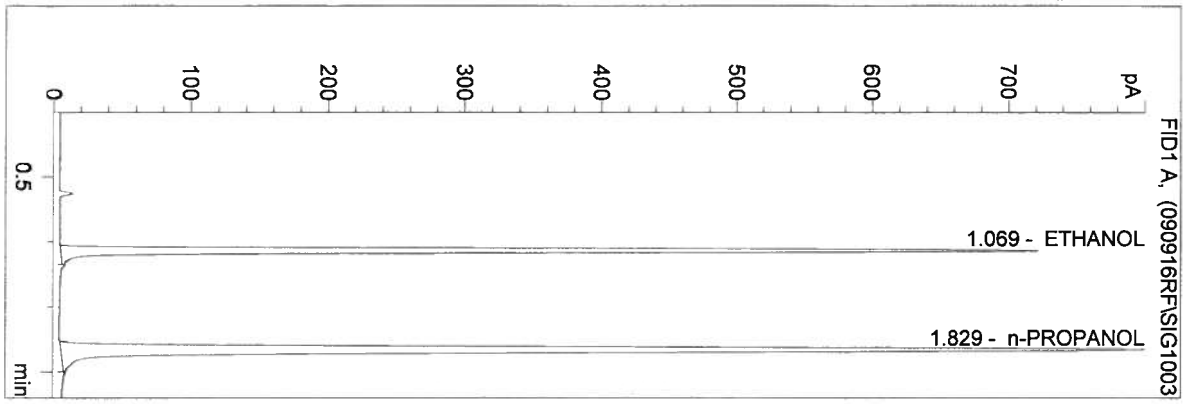
09045

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 3:55:35 PM
Instrument 3
db-alc2

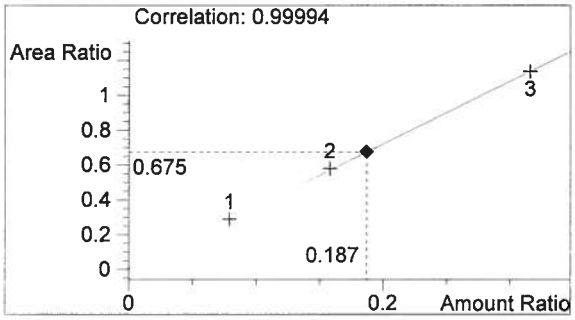
QAP 09045 #1
Rebecca Flaherty

vial # 31

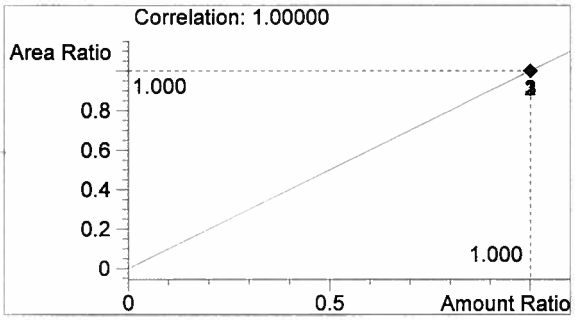


#	Compound	Area	RT
1	ETHANOL	1566	1.069
2	n-PROPANOL	2320	1.829
Totals:			

RF



ETHANOL 0.187 g/100ml



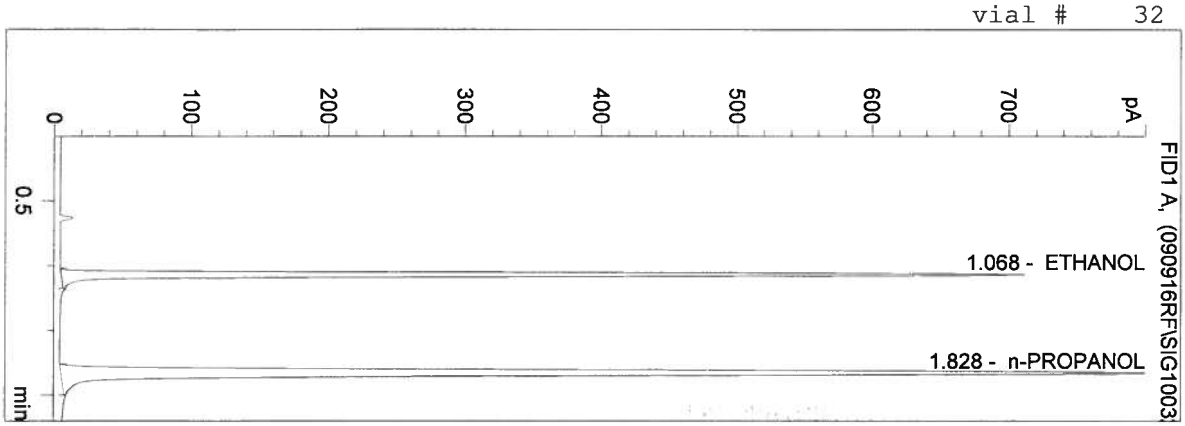
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 3:58:43 PM
Instrument 3
db-alc2

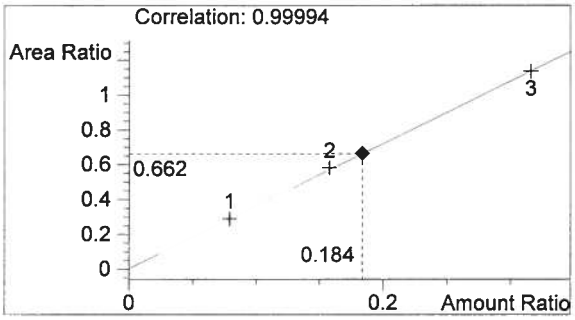
QAP 09045 #2
Rebecca Flaherty

vial # 32

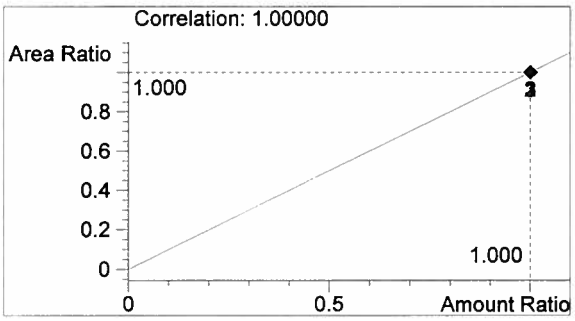


#	Compound	Area	RT
1	ETHANOL	1550	1.068
2	n-PROPANOL	2340	1.828
Totals:			

RF



ETHANOL 0.184 g/100ml



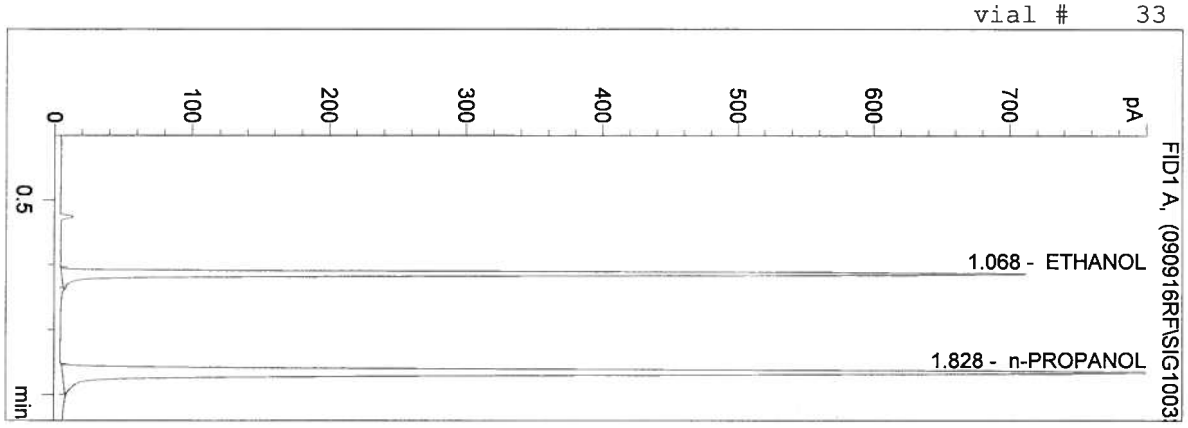
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 4:01:51 PM
Instrument 3
db-alc2

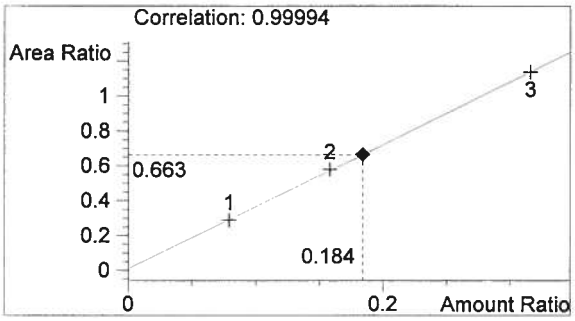
QAP 09045 #3
Rebecca Flaherty

vial # 33

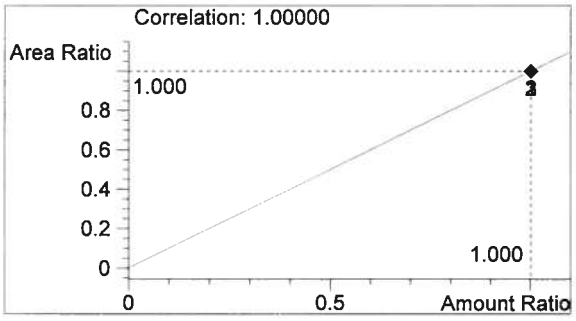


#	Compound	Area	RT
1	ETHANOL	1557	1.068
2	n-PROPANOL	2347	1.828
Totals:			

RF



ETHANOL 0.184 g/100ml



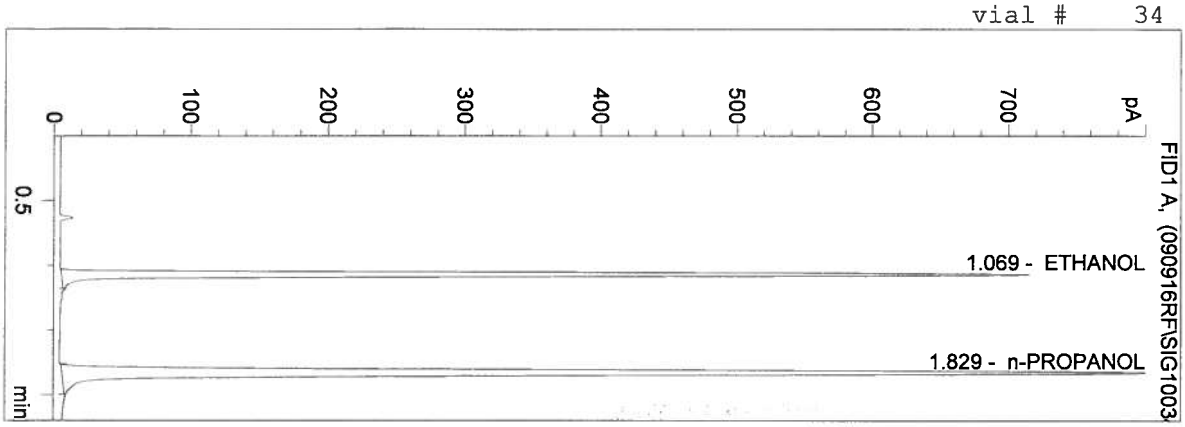
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 4:04:59 PM
Instrument 3
db-alc2

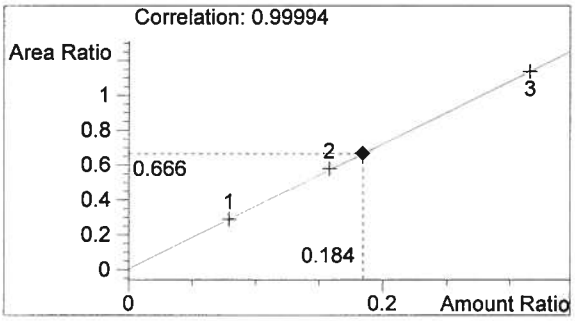
QAP 09045 #4
Rebecca Flaherty

vial # 34

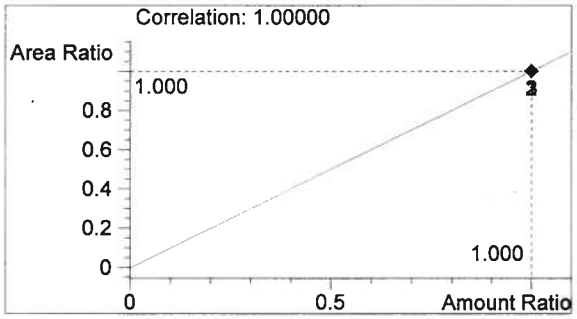


#	Compound	Area	RT
1	ETHANOL	1551	1.069
2	n-PROPANOL	2330	1.829
Totals:			

RF



ETHANOL 0.184 g/100ml



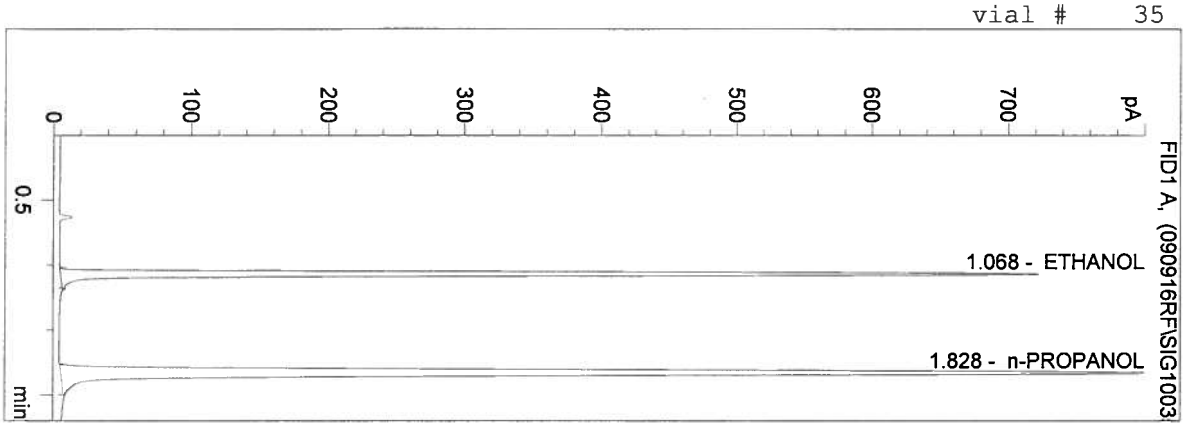
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 4:08:07 PM
Instrument 3
db-alc2

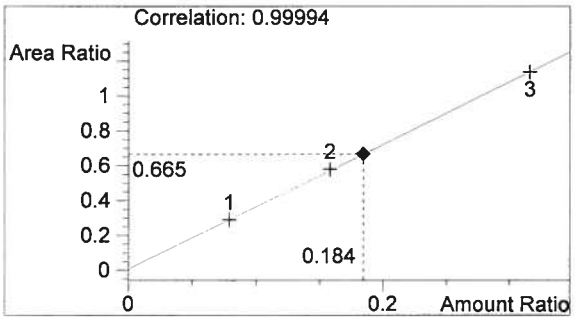
QAP 09045 #5
Rebecca Flaherty

vial # 35

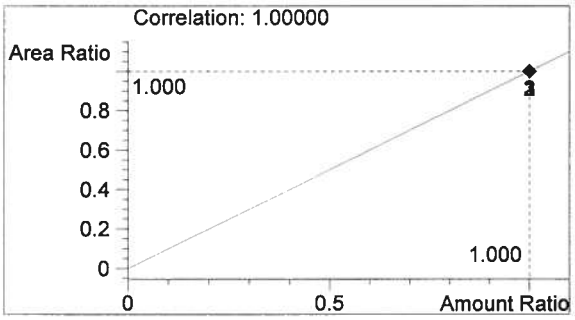


#	Compound	Area	RT
1	ETHANOL	1579	1.068
2	n-PROPANOL	2374	1.828
Totals:			

RF



ETHANOL 0.184 g/100ml



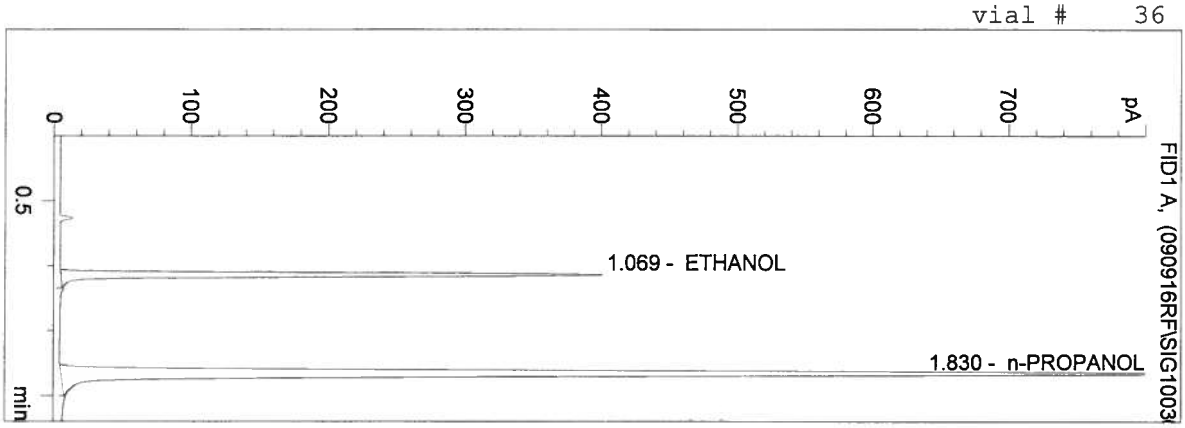
n-PROPANOL 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 4:11:14 PM
Instrument 3
db-alc2

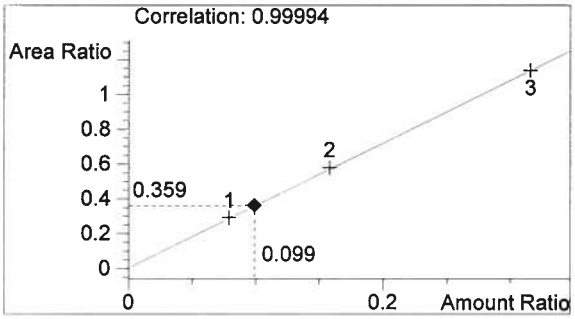
0.10 Control RF
Rebecca Flaherty

vial # 36

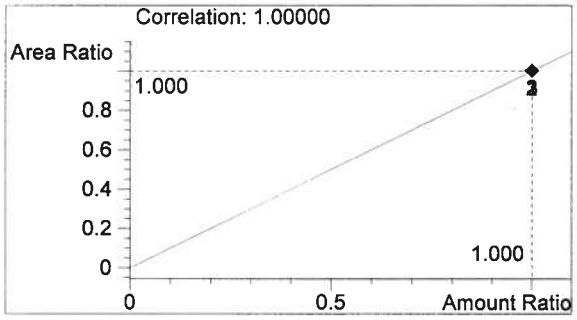


#	Compound	Area	RT
1	ETHANOL	866	1.069
2	n-PROPANOL	2410	1.830
Totals:			

RF



ETHANOL 0.099 g/100ml



n-PROPANOL 1.000 g/100ml

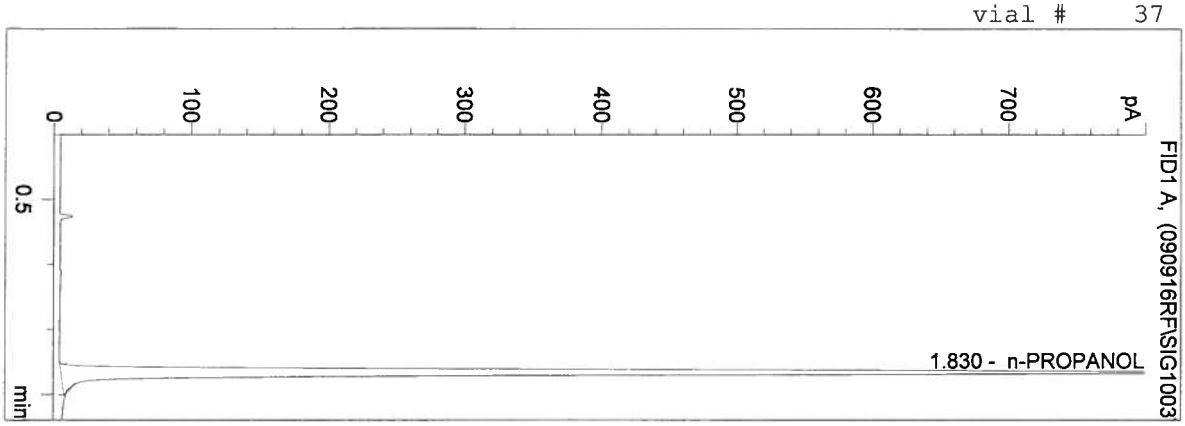
09045

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC.M
9/16/2009 4:14:22 PM
Instrument 3
db-alc2

Neg Control RF
Rebecca Flaherty

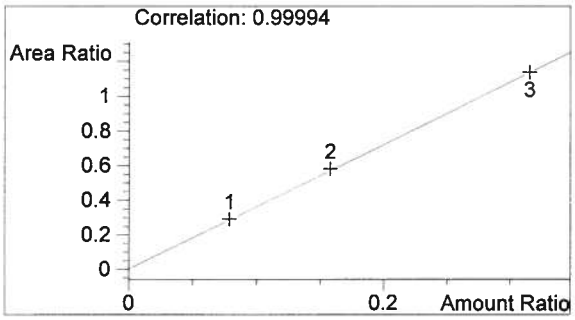
vial # 37



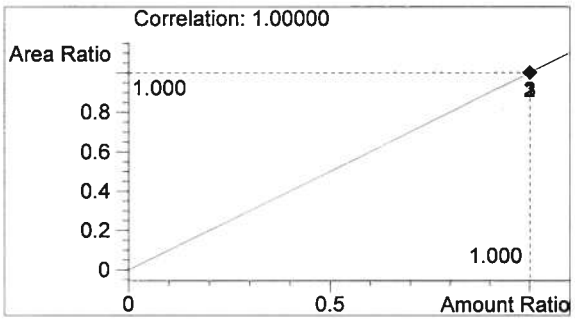
#	Compound	Area	RT
1	ETHANOL	0	0.000
2	n-PROPANOL	2428	1.830

Totals:

RF



ETHANOL 0.000 g/100ml



n-PROPANOL 1.000 g/100ml

09045

Washington State Patrol Toxicology Laboratory Division

QAP SOLUTION PREPARATION WORKSHEET

Batch #: 09042, 09043, 09044, 09045

Preparer: Gwynyth Almendarez

Date Prepared: 9/11/2009

Expiration Date: 9/11/2010

Lot 200 Proof (100%) Ethanol Used: XY3014

Date 200 Proof Ethanol Opened: 9/10/2009
(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	☑ 09042
0.08	22.4 mL	18 L	☑ 09043
0.1	28.1 mL	18 L	☑ 09044
0.15	42.0 mL	18 L	☑ 09045

Stir Bar is Rotating ☑

Stirred for at least 30 minutes ☑

Spigot Purged ☑

Aliquot Taken ☑

Batch Labeled Packaged and Sealed ☑ 9/11/2009 Date

Gwynyth Almendarez
Analyst

9/11/2009
Date