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

AHA ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/18/2008

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 12002

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: 0.08 g/210L
DATE PREPARED: 01/05/2012
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Naziha Nuwayhid

	NN	CM	RF
1	0.094	0.098	0.097
2	0.098	0.098	0.097
3	0.098	0.098	0.097
4	0.098	0.098	0.097
5	0.095	0.098	0.097
C	0.097	0.100	0.099

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0972 g/100mL
STANDARD DEVIATION: 0.00121
PRECISION CV (%): 1.24
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0790 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0011 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa Pemberton FS-S
Melissa Pemberton Forensic Scientist Supervisor

1.25.12
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

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

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

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

QAP Solution Batch #: 12002 **Date Prepared:** 1/5/2012

Analyst:	NN	CM	RF
Date Tested:	1/5/2012	1/10/2012	1/11/2012
Instrument:	HS#3	HS#3	HS#3
1	0.094	0.098	0.097
2	0.098	0.098	0.097
3	0.098	0.098	0.097
4	0.098	0.098	0.097
5	0.095	0.098	0.097
C	0.097	0.100	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000102820	0.0000798941	0.0001016326

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

Average Solution Concentration: 0.0972 g/100mL
Standard Deviation: 0.00121 g/100mL
Precision CV (%): 1.24
Equivalent Vapor Concentration: 0.0790 g/210L
Combined Standard Uncertainty (±): 0.0011 g/210L

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

Calculations verified by: Jason Skillerov [signature] January 24, 2012 Method: AAND CALCULATOR
Name Signature Date

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

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP-FLSB; SEATTLE, WA **Solution Batch Number:** 12002

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

Comments:

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

Reviewer Signature: N/A 1/24/12 **Date:**

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

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

Batch # 12002

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 0.08 QAP SOLUTION CERTIFICATION FOR LOT 12002

I, Naziha Nuwayhid, do certify under penalty of perjury that:

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

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

The qap solution, Lot Number 12002, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

1/23/12

Naziha Nuwayhid Date
Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 12002

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

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

I possess the following qualifications: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The qap solution, Lot Number 12002, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

Christie Mitchell-Mata 1/23/12

Christie Mitchell-Mata Date

Forensic Toxicologist

CHRISTINE O. GREGOIRE
Governor

JOHN R. BATISTE
Chief

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

DATAMASTER 0.08 QAP SOLUTION CERTIFICATION FOR LOT 12002

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 12002, was prepared in the Washington State Toxicology Laboratory on 1/5/2012. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/5/2013.

Seattle, WA

1-23-12

Rebecca Flaherty — Date

Forensic Toxicologist

Sequence Parameters:

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

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

Sequence Table (Front Injector):

Sample Information Part:

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

12002

1/6/13 NN

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

Method and Injection Info Part:

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

12002

1/6/12
NN

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

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

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12002

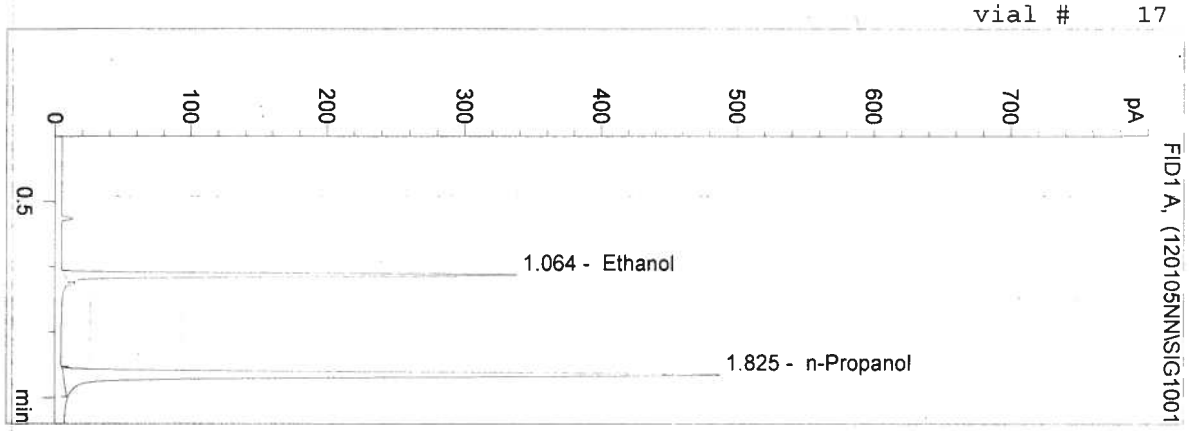
NN 1/6/12 NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 2:48:48 PM
Instrument 3
DB-ALC2

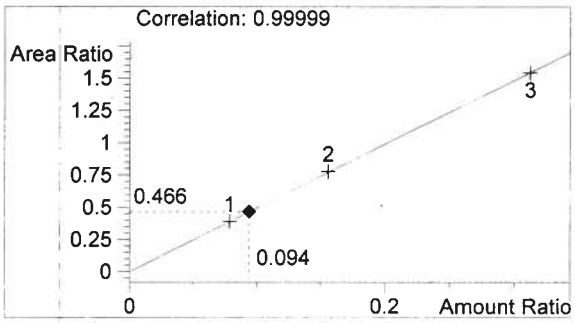
12002-1
Naziha Nuwayhid, PhD

vial # 17

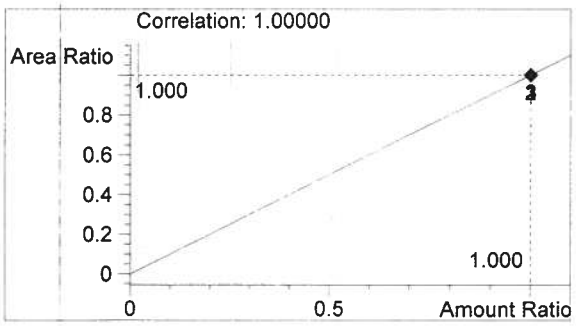


#	Compound	Area	RT
1	Ethanol	623	1.064
2	n-Propanol	1337	1.825

Totals:



Ethanol 0.094 g/100ml



n-Propanol 1.000 g/100ml

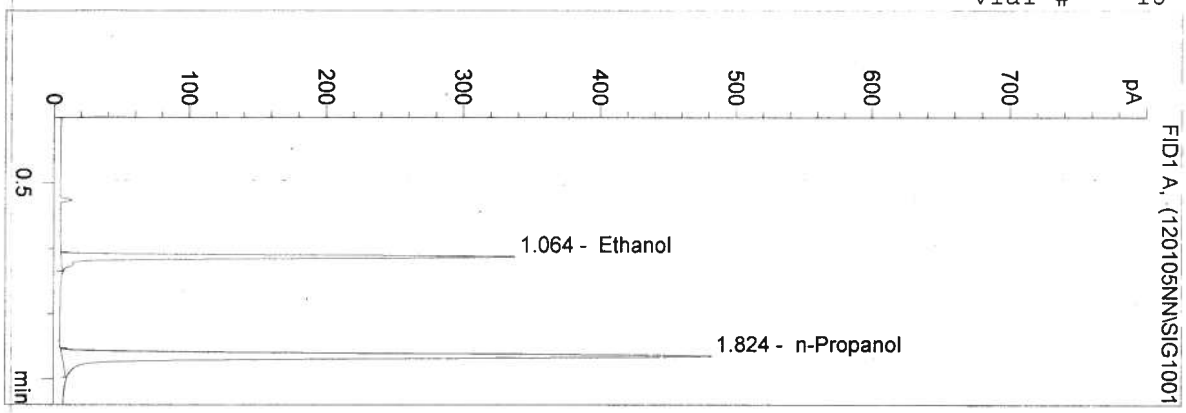
1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 2:51:56 PM
Instrument 3
DB-ALC2

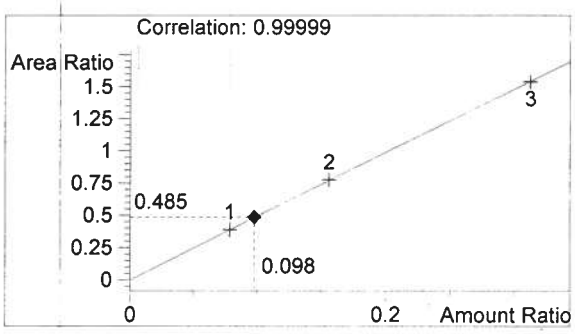
12002-2
Naziha Nuwayhid, PhD

vial # 18

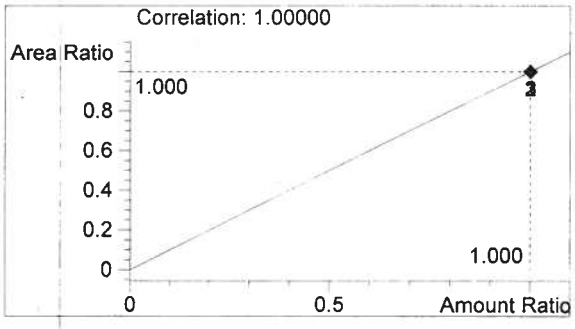


#	Compound	Area	RT
1	Ethanol	636	1.064
2	n-Propanol	1311	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

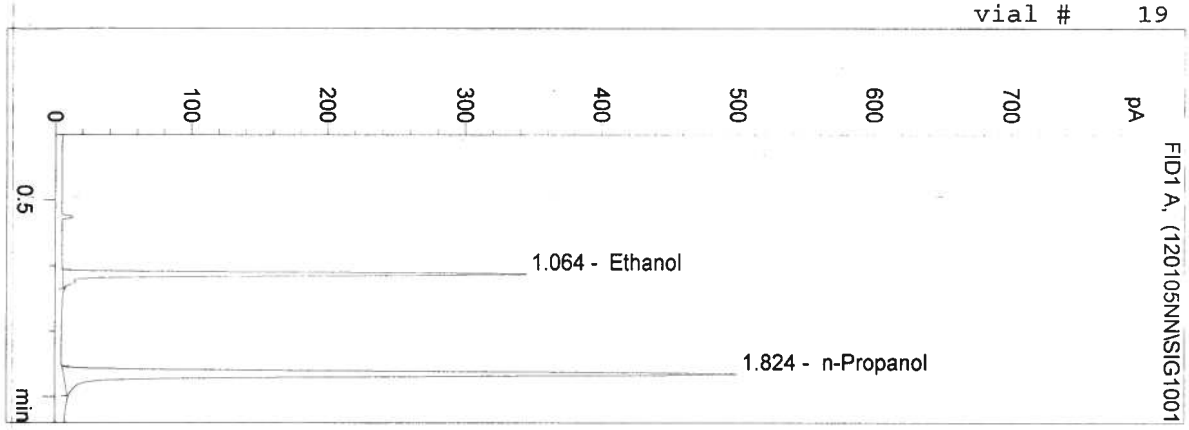
1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 2:55:03 PM
Instrument 3
DB-ALC2

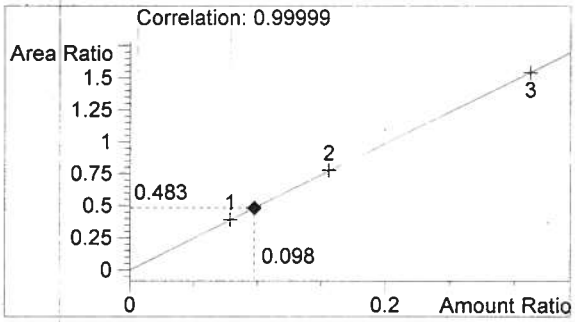
12002-3
Naziha Nuwayhid, PhD

vial # 19

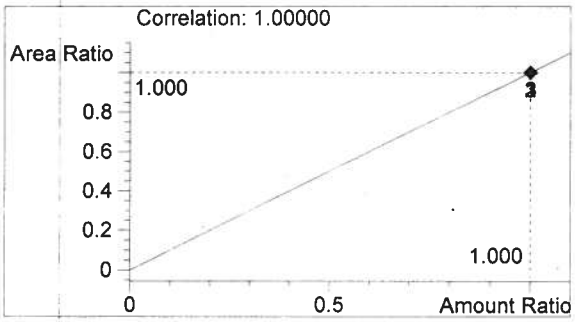


#	Compound	Area	RT
1	Ethanol	661	1.064
2	n-Propanol	1368	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

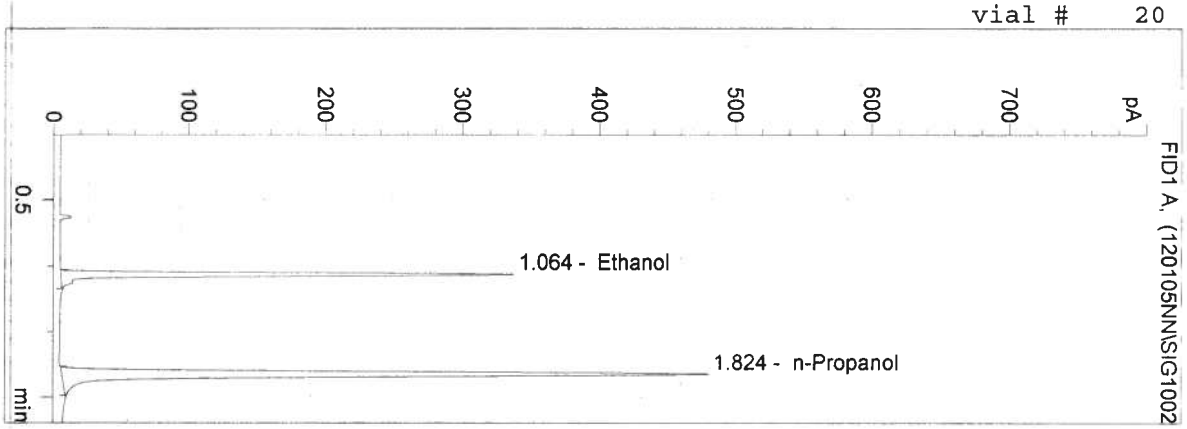
1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 2:58:10 PM
Instrument 3
DB-ALC2

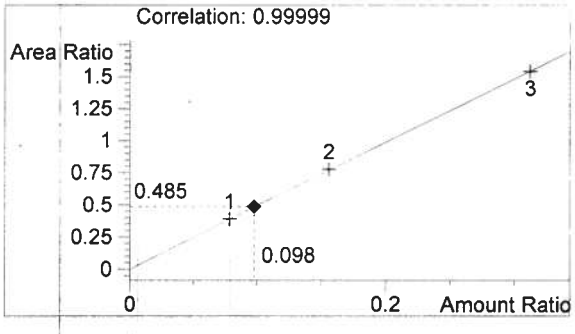
12002-4
Naziha Nuwayhid, PhD

vial # 20

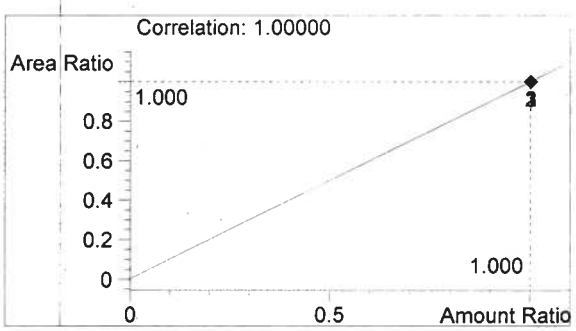


#	Compound	Area	RT
1	Ethanol	635	1.064
2	n-Propanol	1309	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

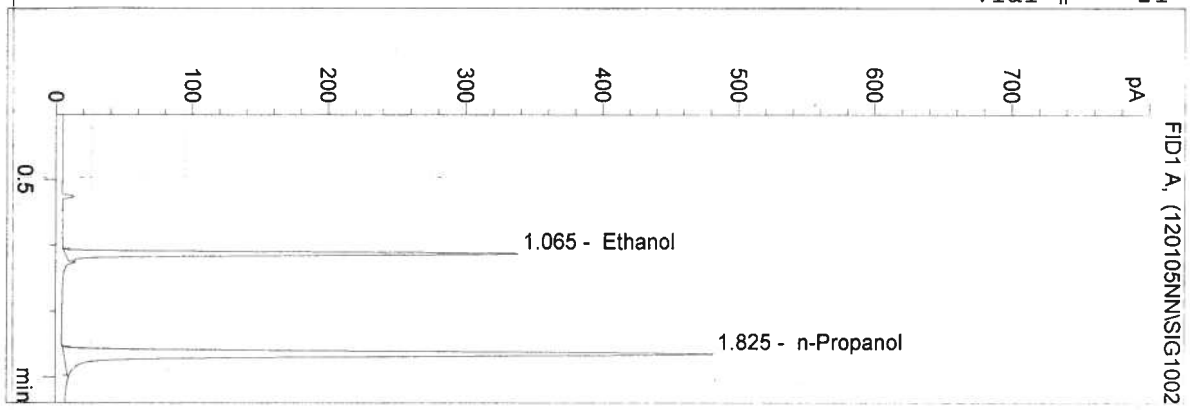
1/6/12

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 3:01:18 PM
Instrument 3
DB-ALC2

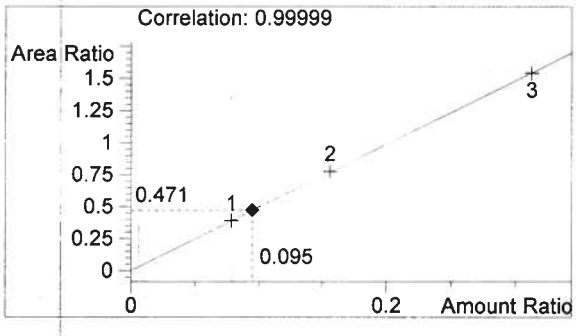
12002-5
Naziha Nuwayhid, PhD

vial # 21

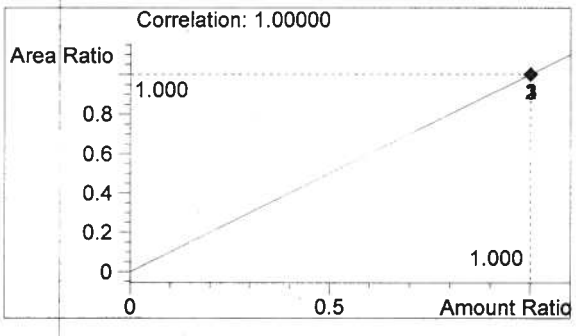


#	Compound	Area	RT
1	Ethanol	619	1.065
2	n-Propanol	1314	1.825

Totals:



Ethanol 0.095 g/100ml



n-Propanol 1.000 g/100ml

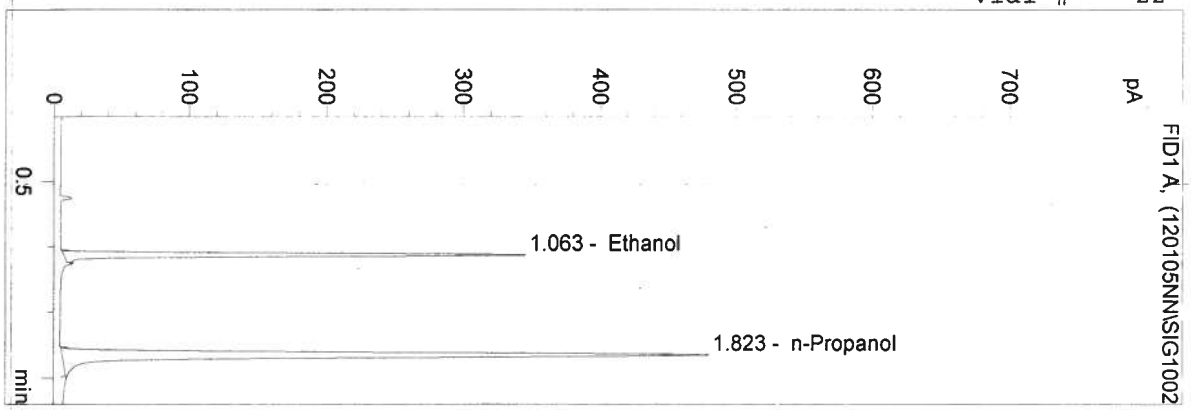
1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 3:04:25 PM
Instrument 3
DB-ALC2

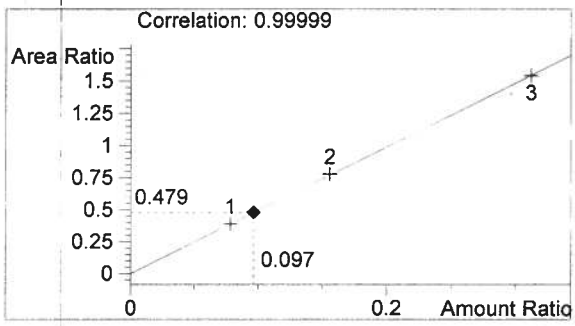
0.10 CTRL NN
Naziha Nuwayhid, PhD

vial # 22

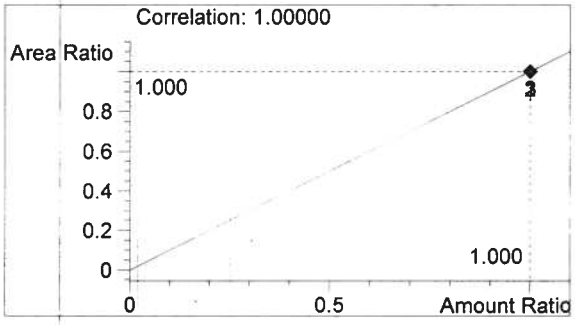


#	Compound	Area	RT
1	Ethanol	624	1.063
2	n-Propanol	1304	1.823

Totals:



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

12002

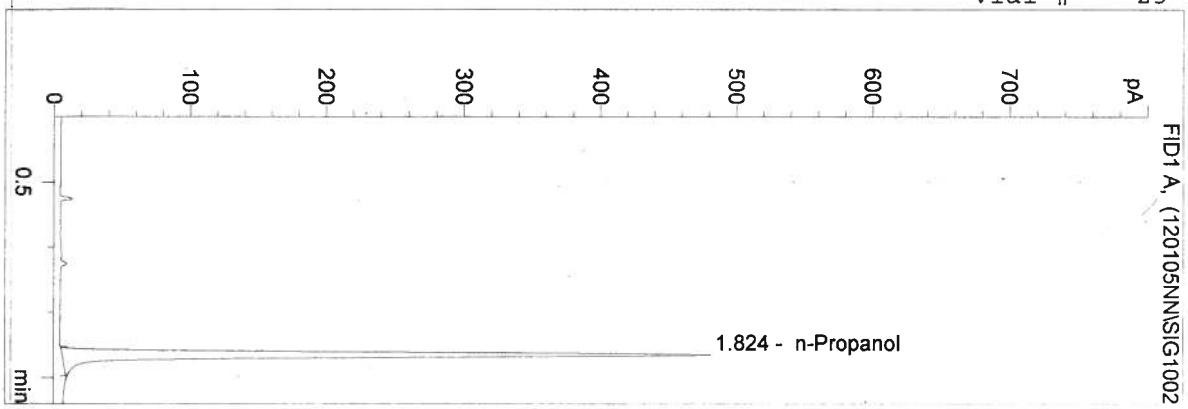
1/6/12
NN

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/5/2012 3:07:32 PM
Instrument 3
DB-ALC2

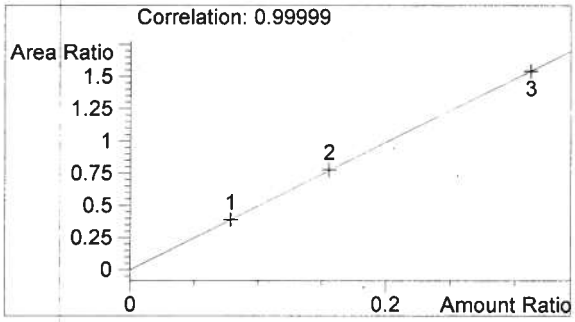
NEG CTRL NN
Naziha Nuwayhid, PhD

vial # 23

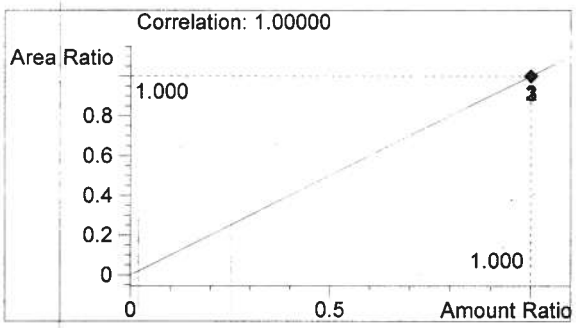


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1313	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12002

1/6/12
NN

Sequence Parameters:

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

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

Sequence Table (Front Injector):

Sample Information Part:

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

12002

Calibrators filed with 12001 data

CM

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

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

Method and Injection Info Part:

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

12002

CM

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

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

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

12002

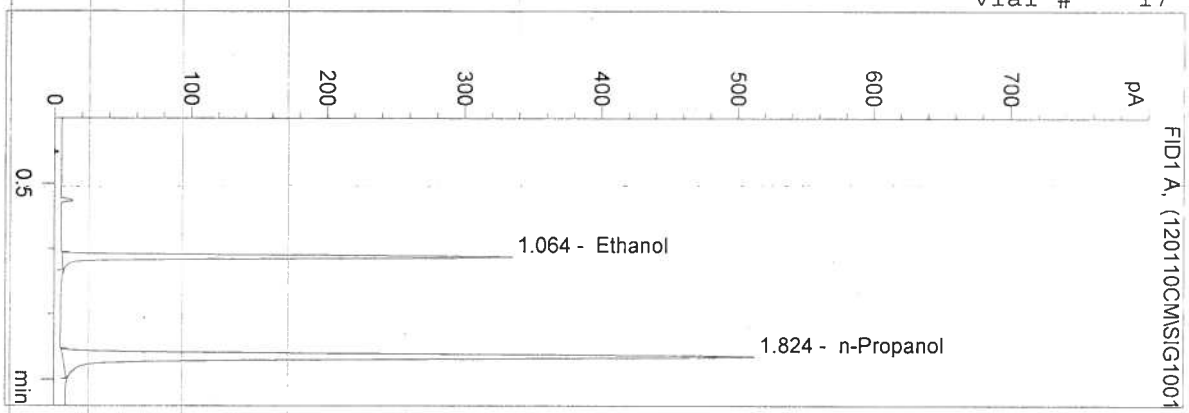
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:23:11 AM
Instrument 3
DB-ALC2

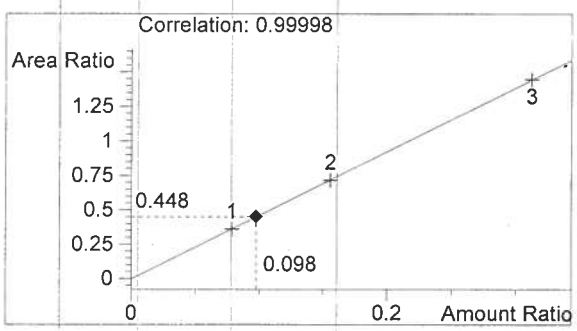
QAP 12002 #1
Christie Mitchell Mata

vial # 17

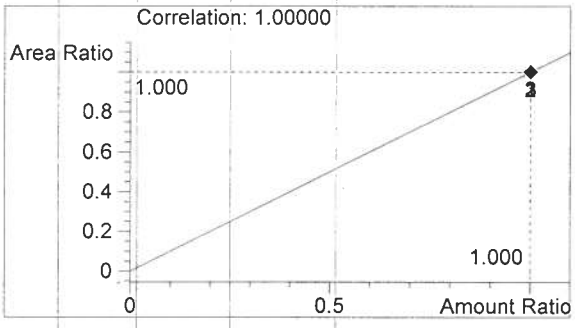


#	Compound	Area	RT
1	Ethanol	628	1.064
2	n-Propanol	1399	1.824

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

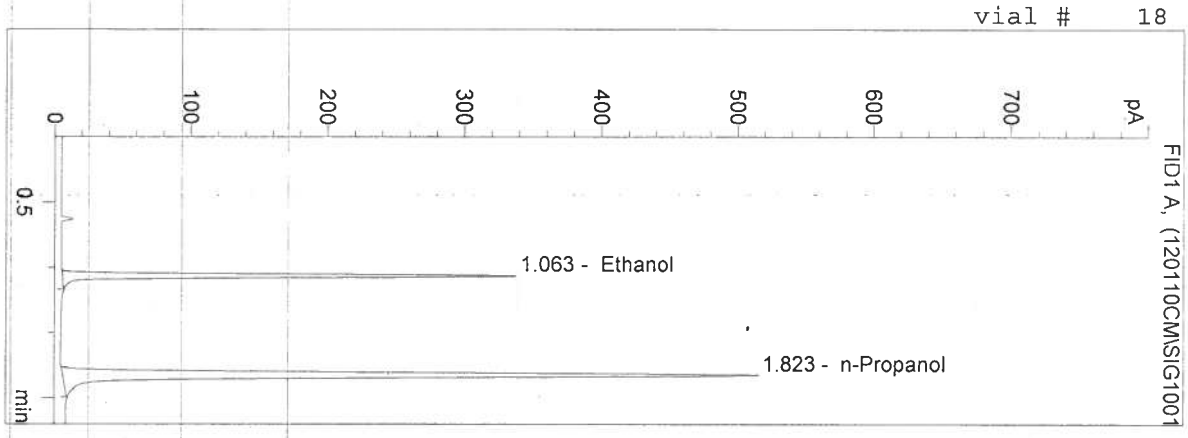
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:26:18 AM
Instrument 3
DB-ALC2

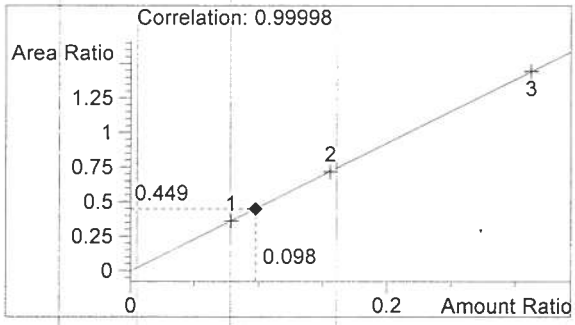
QAP 12002 #2
Christie Mitchell Mata

vial # 18

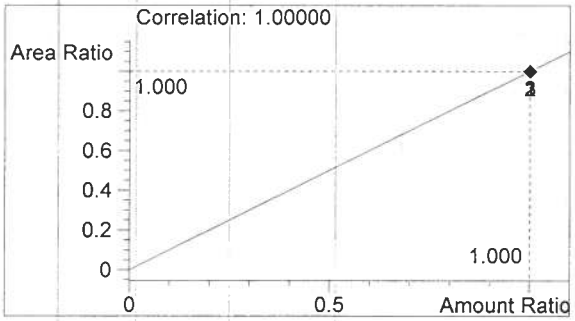


#	Compound	Area	RT
1	Ethanol	632	1.063
2	n-Propanol	1409	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

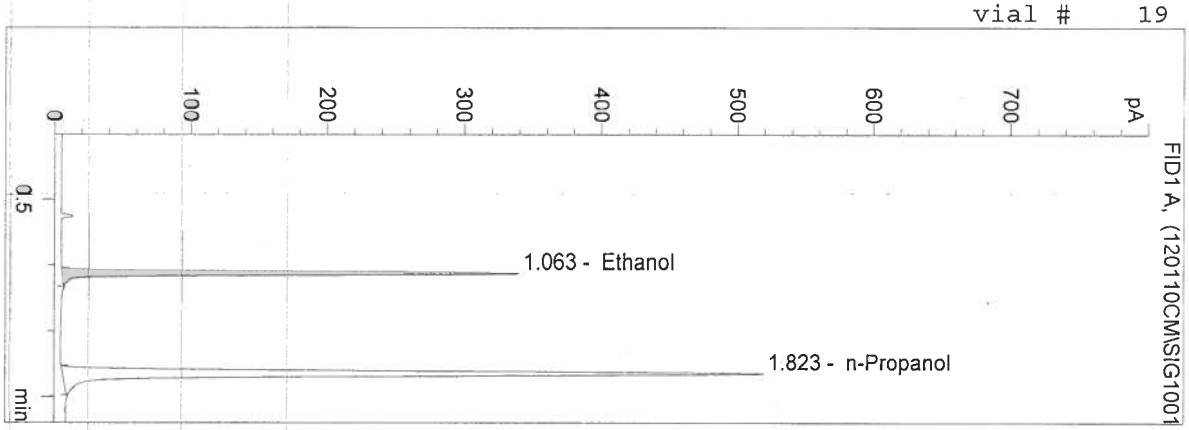
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:29:25 AM
Instrument 3
DB-ALC2

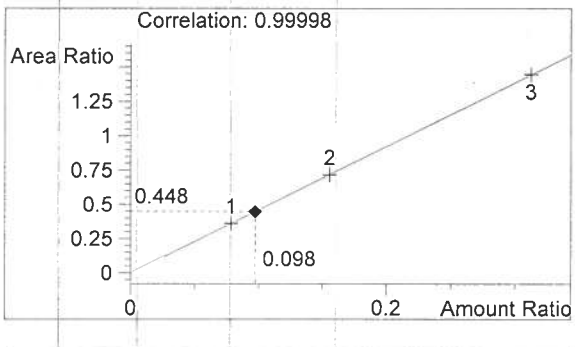
QAP 12002 #3
Christie Mitchell Mata

vial # 19

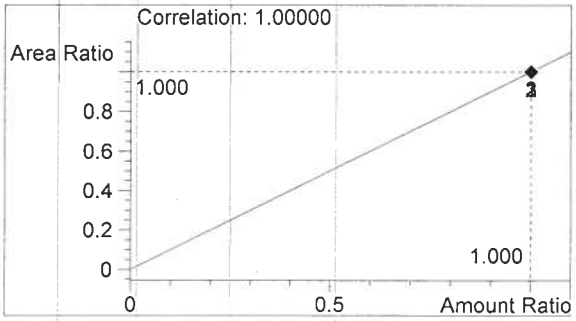


#	Compound	Area	RT
1	Ethanol	636	1.063
2	n-Propanol	1418	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

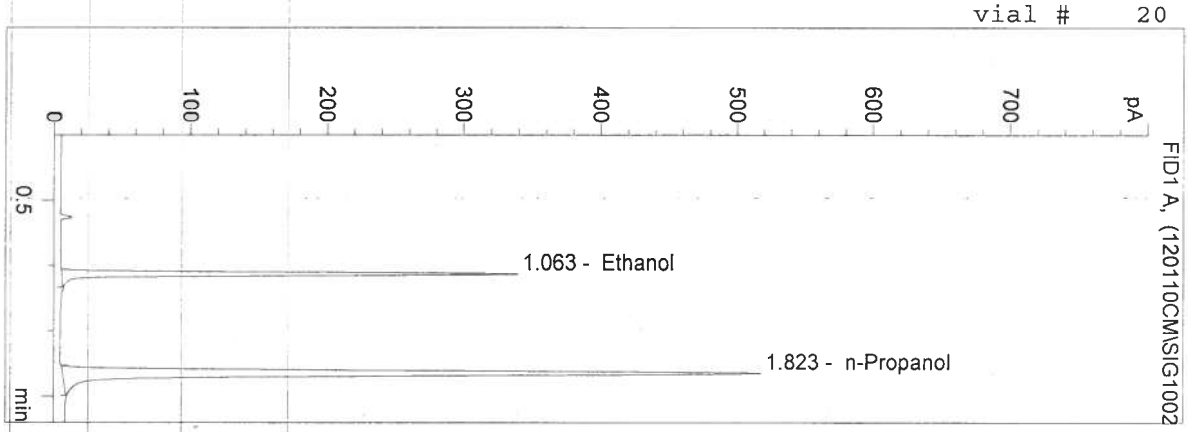
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:32:32 AM
Instrument 3
DB-ALC2

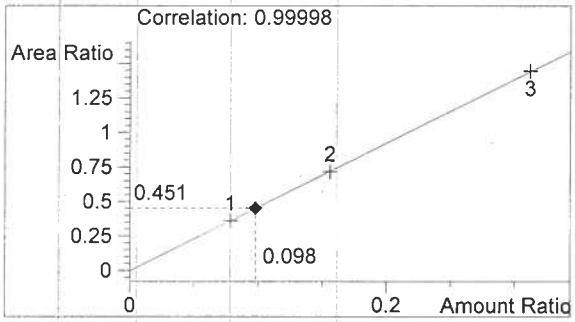
QAP 12002 #4
Christie Mitchell Mata

vial # 20

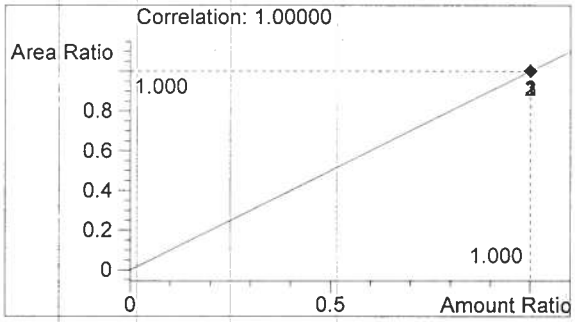


#	Compound	Area	RT
1	Ethanol	636	1.063
2	n-Propanol	1411	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

CM

WASHINGTON STATE TOXICOLOGY LABORATORY

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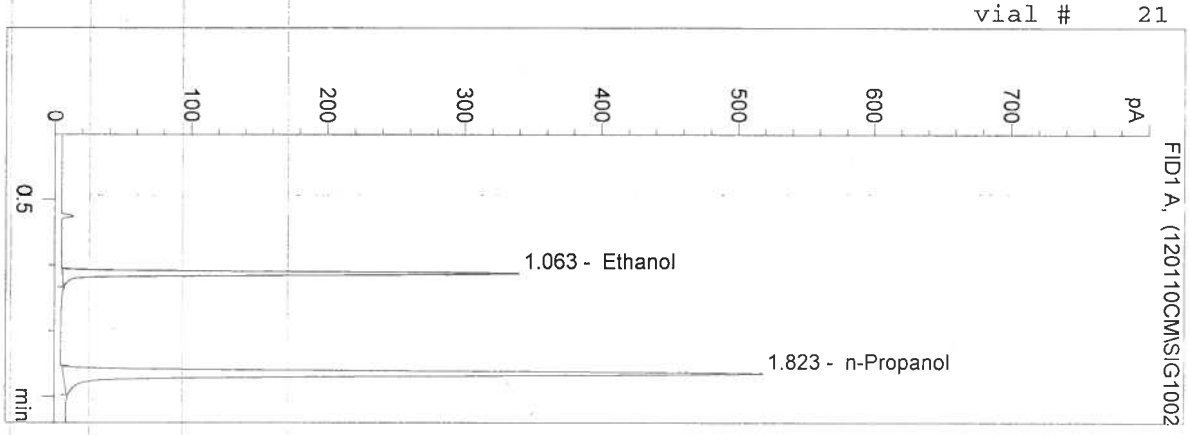
1/10/2012 10:35:40 AM
Instrument 3
DB-ALC2

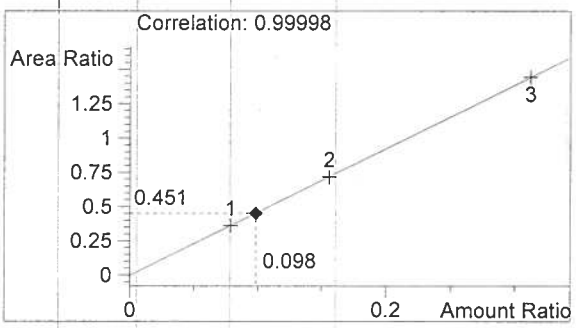
QAP 12002 #5
Christie Mitchell Mata

vial # 21

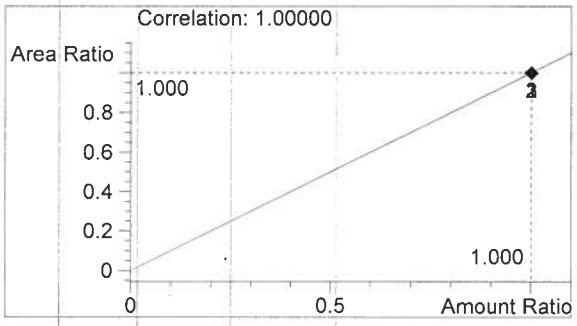


#	Compound	Area	RT
1	Ethanol	636	1.063
2	n-Propanol	1410	1.823

Totals:



Ethanol 0.098 g/100ml



n-Propanol 1.000 g/100ml

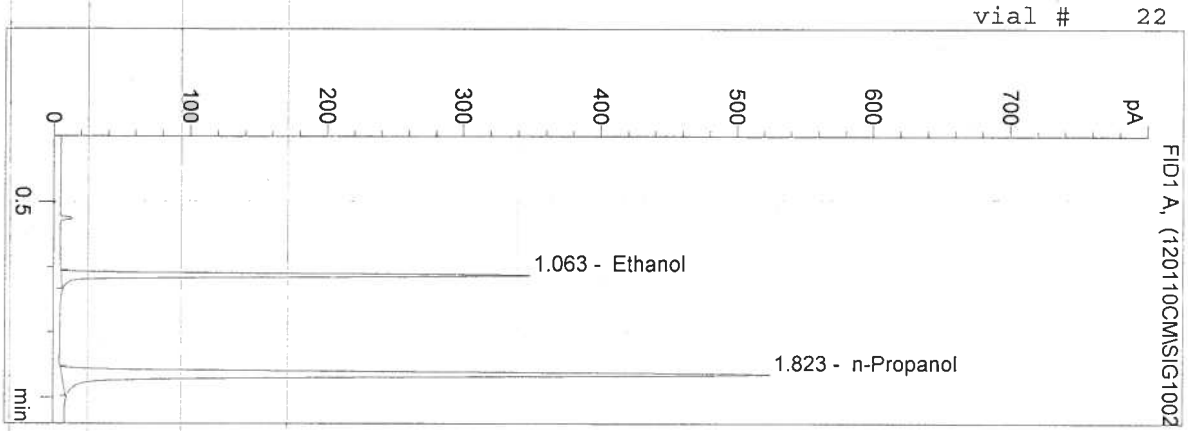
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:38:47 AM
Instrument 3
DB-ALC2

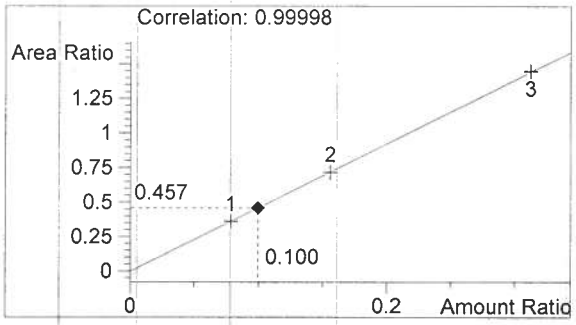
0.10 CTRL-CM
Christie Mitchell Mata

vial # 22

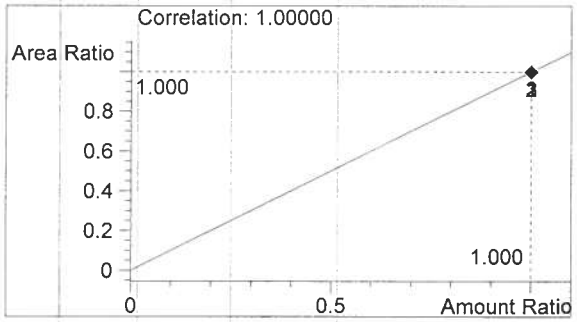


#	Compound	Area	RT
1	Ethanol	655	1.063
2	n-Propanol	1433	1.823

Totals:



Ethanol 0.100 g/100ml



n-Propanol 1.000 g/100ml

12002

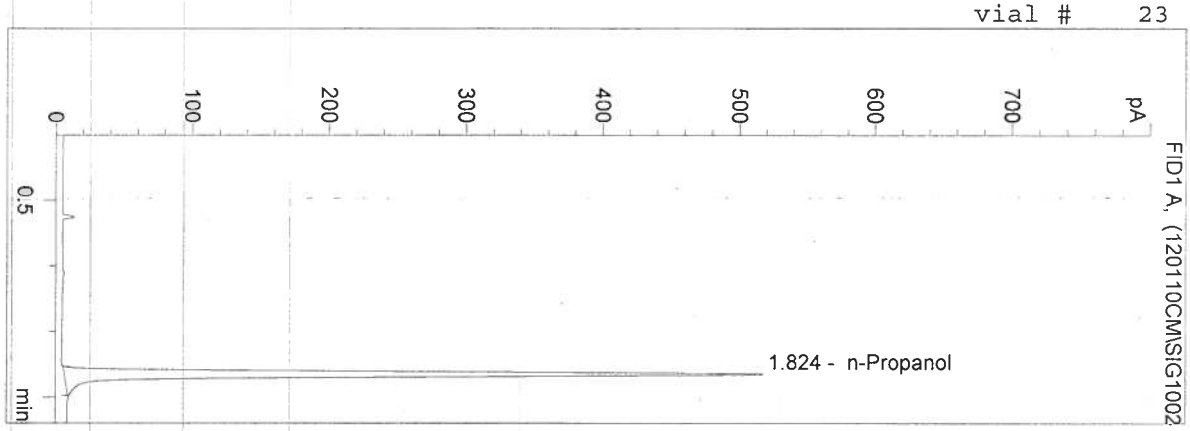
CM

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/10/2012 10:41:54 AM
Instrument 3
DB-ALC2

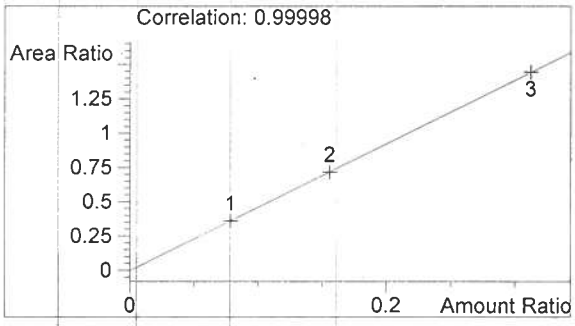
NEG CTRL-CM
Christie Mitchell Mata

vial # 23

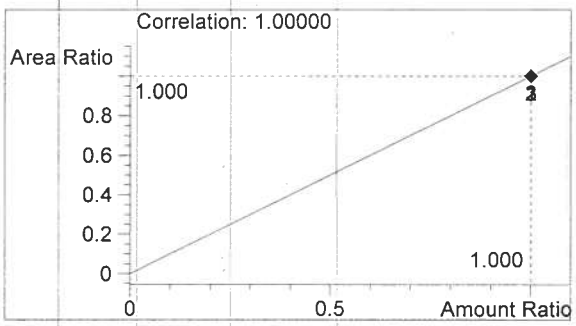


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1414	1.824

Totals:



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12002

CM

Sequence Parameters:

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

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

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

RF 1/11/12

Sequence Table (Front Injector):

Sample Information Part:

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

12002

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

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

RF
1/11/12

Method and Injection Info Part:

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

12002

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

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

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

RF
1/11/12

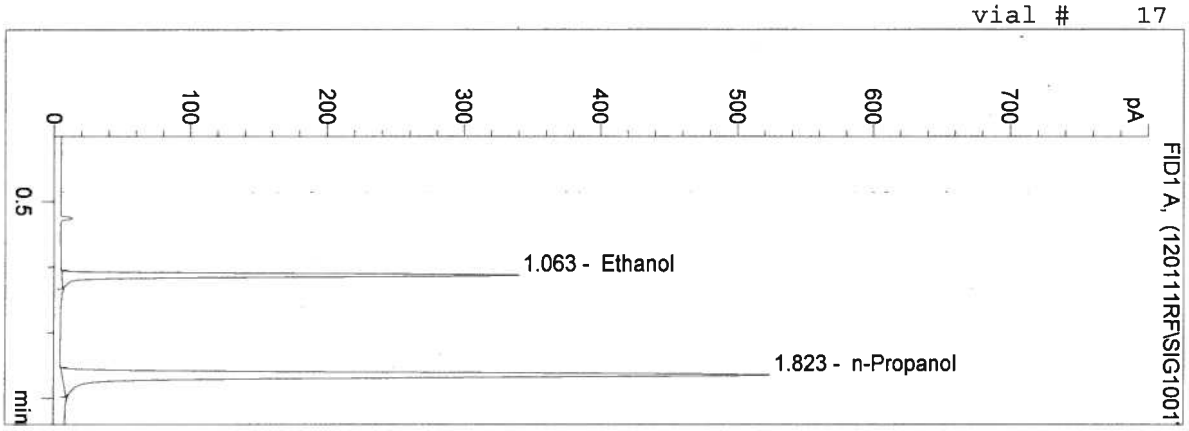
12002

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:52:34 PM
Instrument 3
DB-ALC2

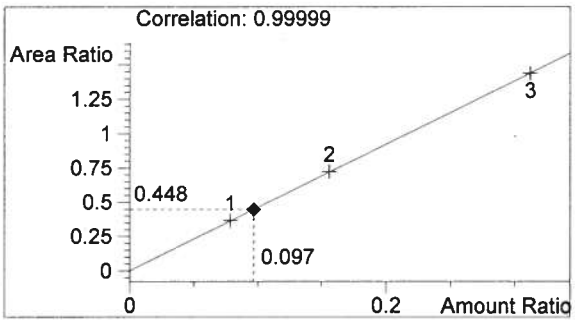
QAP 12002 #1
Rebecca Flaherty

vial # 17

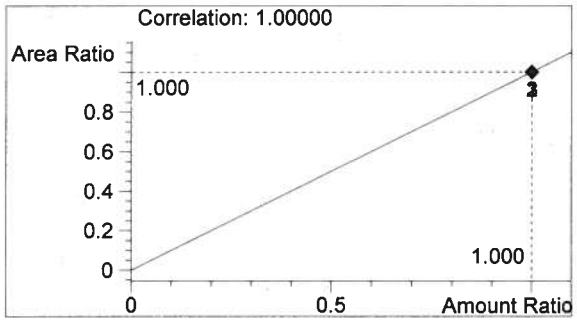


#	Compound	Area	RT
1	Ethanol	642	1.063
2	n-Propanol	1433	1.823
Totals:			

RF
1/11/12



Ethanol 0.097 g/100ml



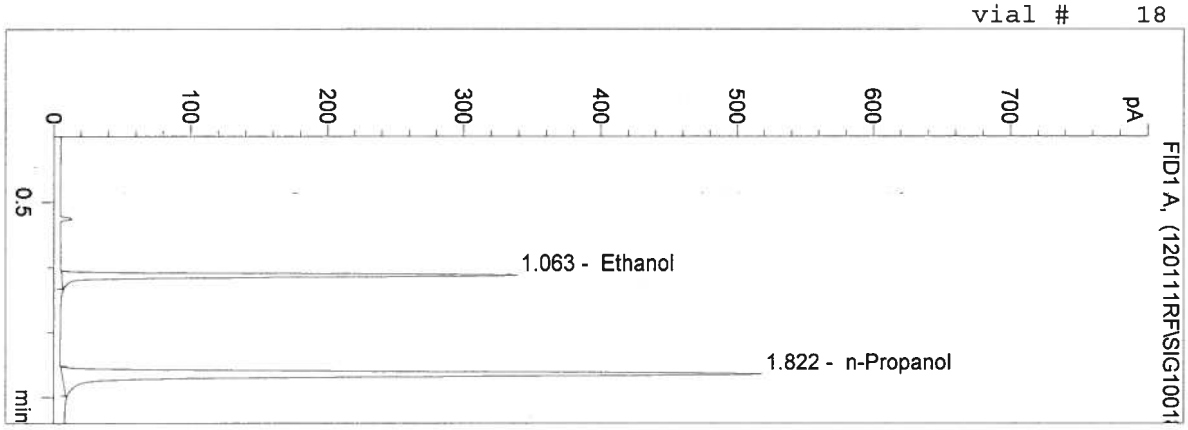
n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

C:\HPCHEM\2\METHODS\SIMALC3.M
1/11/2012 2:55:41 PM
Instrument 3
DB-ALC2

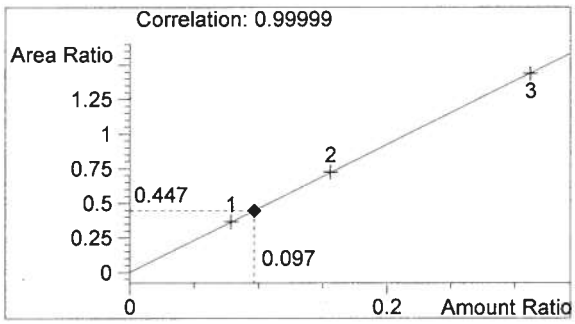
QAP 12002 #2
Rebecca Flaherty

vial # 18

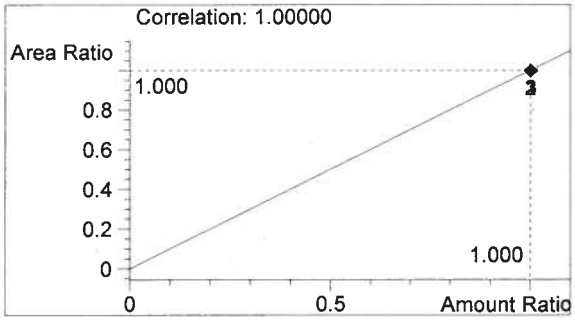


#	Compound	Area	RT
1	Ethanol	631	1.063
2	n-Propanol	1410	1.822
Totals:			

RF 1/11/12



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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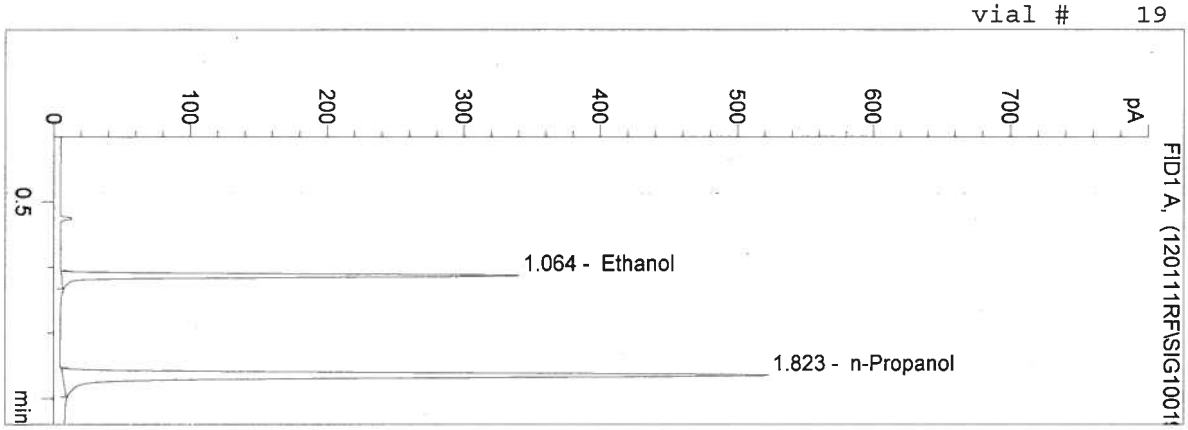
1/11/2012 2:58:49 PM
Instrument 3
DB-ALC2

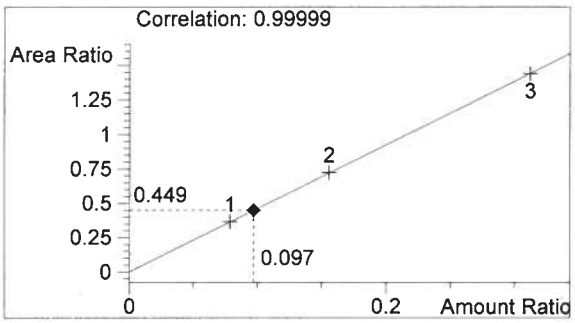
QAP 12002 #3
Rebecca Flaherty

vial # 19

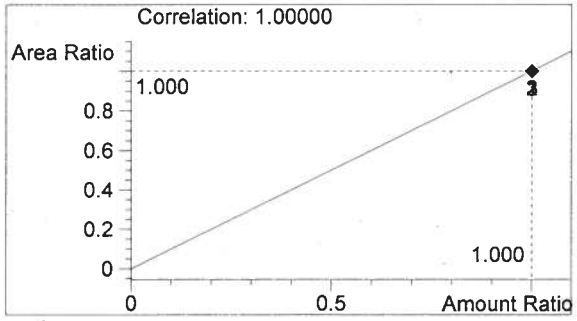


#	Compound	Area	RT
1	Ethanol	640	1.064
2	n-Propanol	1426	1.823
Totals:			

RF
1/11/12



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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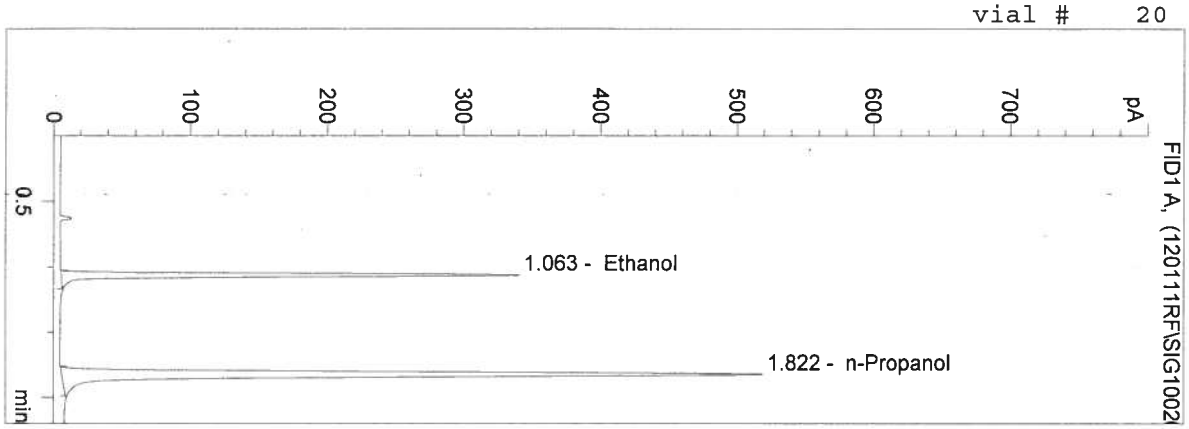
1/11/2012 3:01:56 PM
Instrument 3
DB-ALC2

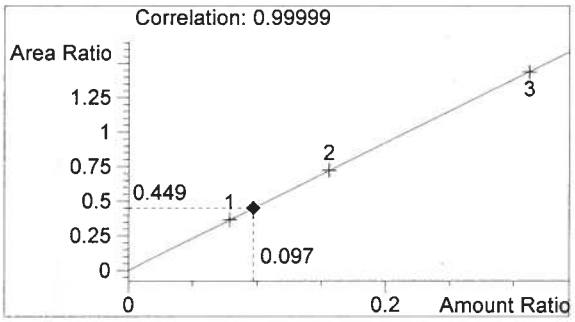
QAP 12002 #4
Rebecca Flaherty

vial # 20

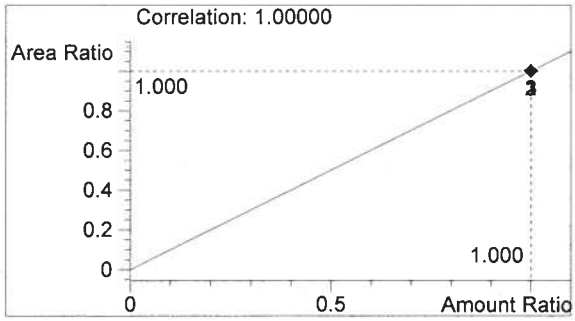


#	Compound	Area	RT
1	Ethanol	635	1.063
2	n-Propanol	1414	1.822
Totals:			

RF
1/11/12



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

WASHINGTON STATE TOXICOLOGY LABORATORY

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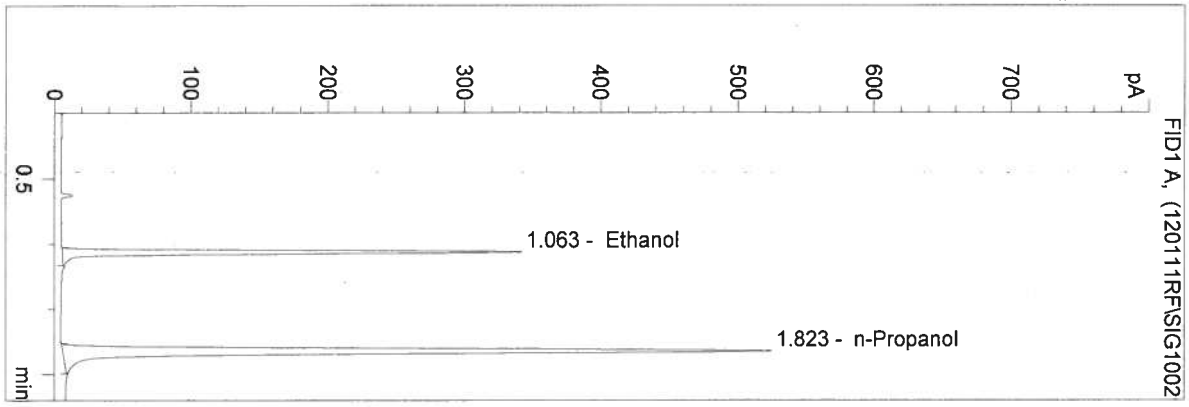
1/11/2012 3:05:03 PM
Instrument 3
DB-ALC2

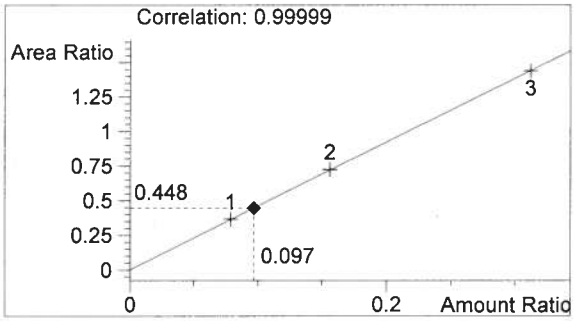
QAP 12002 #5
Rebecca Flaherty

vial # 21

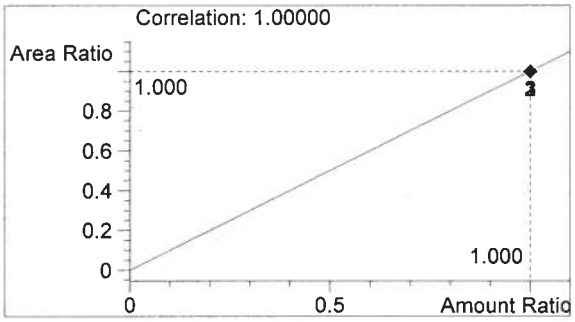


#	Compound	Area	RT
1	Ethanol	641	1.063
2	n-Propanol	1432	1.823
Totals:			

RF
1/11/12



Ethanol 0.097 g/100ml



n-Propanol 1.000 g/100ml

12002

WASHINGTON STATE TOXICOLOGY LABORATORY

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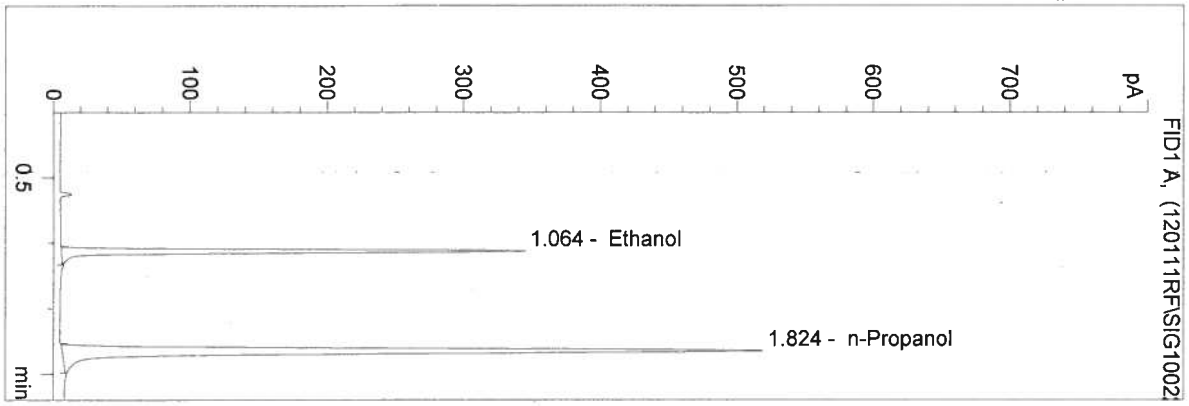
Instrument 3
DB-ALC2

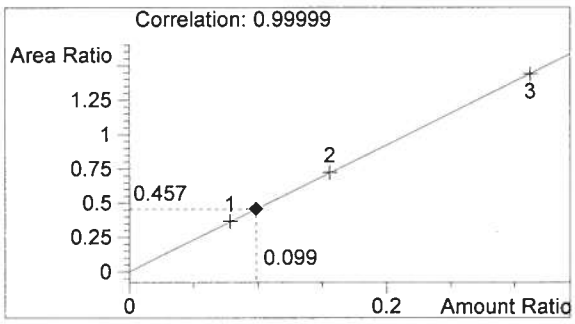
0.10 Control-RF
Rebecca Flaherty

vial # 22

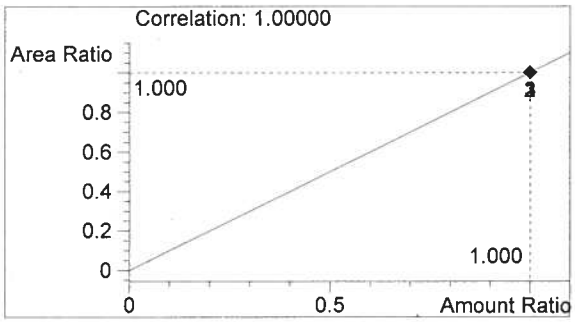


#	Compound	Area	RT
1	Ethanol	647	1.064
2	n-Propanol	1417	1.824
Totals:			

RF
1/11/12



Ethanol 0.099 g/100ml



n-Propanol 1.000 g/100ml

12002

WASHINGTON STATE TOXICOLOGY LABORATORY

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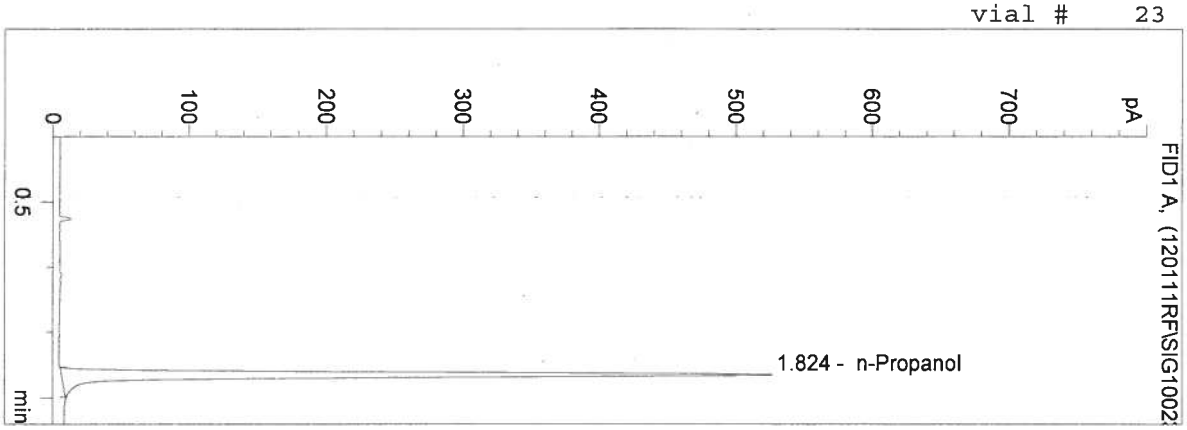
1/11/2012 3:11:17 PM
Instrument 3
DB-ALC2

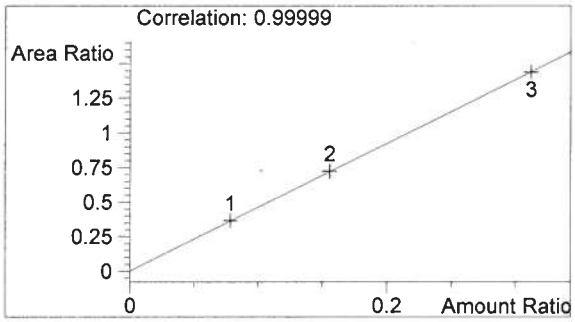
Neg Control-RF
Rebecca Flaherty

vial # 23

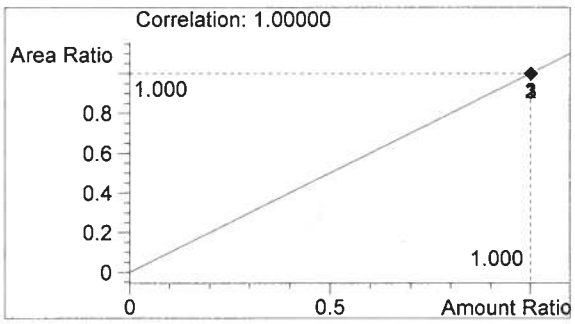


#	Compound	Area	RT
1	Ethanol	0	0.000
2	n-Propanol	1439	1.824
Totals:			

RF
1/11/12



Ethanol 0.000 g/100ml



n-Propanol 1.000 g/100ml

12002

WSP-TLD	COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

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

Expiration Date: Jan 5, 2013

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

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

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

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

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

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

Comments:

Analyst Signature

Jan 6, 2012
Date