



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17031

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: 03/20/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lyndsey Knoy

	LK	AC	EW
1	0.101	0.101	0.099
2	0.100	0.101	0.100
3	0.100	0.099	0.101
4	0.100	0.100	0.101
5	0.099	0.100	0.100
C	0.101	0.102	0.102

ETHANOL CONTROL INFORMATION

LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1001 g/100mL PRECISION CV (%): 0.74
STANDARD DEVIATION: 0.00074 NUMBER OF TESTS: 15

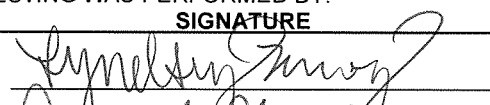
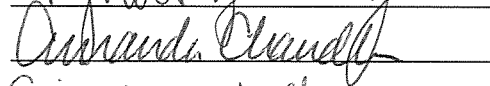
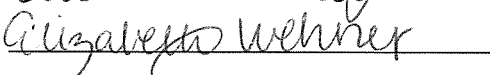
EQUIVALENT VAPOR CONCENTRATION: **0.0814 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION


Brianne E. O'Reilly Technical Lead

3-28-2017
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
LK	Lyndsey Knoy		03/20/2017
AC	Amanda Chandler		03/20/2017
EW	Elizabeth Wehner		03/24/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 4-10-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17031

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

Comments:

Reviewer Signature:  Date: 4-10-17

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

QAP Solution Batch #: 17031

Date Prepared: 3/20/2017

Analyst:	LK	AC	EW
Date Tested:	3/20/2017	3/20/2017	3/24/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.101	0.101	0.099
2	0.100	0.101	0.100
3	0.100	0.099	0.101
4	0.100	0.100	0.101
5	0.099	0.100	0.100
C	0.101	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000036727	0.0000107498	0.0001016326

Ethanol Control Lot #: FN08051301
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.1001 g/100mL
Standard Deviation: 0.00074 g/100mL
Precision CV (%): 0.74
Equivalent Vapor Concentration: 0.0814 g/210L
Combined Standard Uncertainty (\pm): 0.0009 g/210L
Expanded Uncertainty (\pm): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 3-28-17
Name Signature Date

Calculations verified by: Amanda H. Black [Signature] 4-10-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 3-28-17
Name Signature Date

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 Chandler	AZ	3/28/17
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	3/28/17
Justin Knoy		
Katie Harris		
Lyndsey Knoy	LM	3.28.17
Naziha Nuwayhid		
Rebecca Flaherty		

17031

Batch #

FLW 3.28.17

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17031**

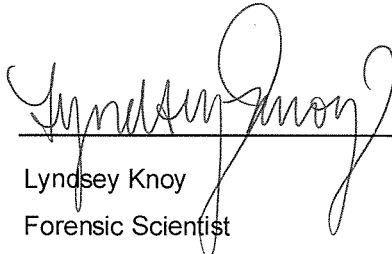
I, Lyndsey Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 17031, was prepared in the Washington State Toxicology Laboratory on 3/20/2017. I tested this solution and 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 3/20/2018.

Seattle, WA


Lyndsey Knoy
Forensic Scientist

3.20.17
Date

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17031**

I, Amanda Chandler, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17031, was prepared in the Washington State Toxicology Laboratory on 3/20/2017. I tested this solution and 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 3/20/2018.

Seattle, WA

 3/28/17

Amanda Chandler

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17031**

I, Elizabeth Wehner, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 17031, was prepared in the Washington State Toxicology Laboratory on 3/20/2017. I tested this solution and 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 3/20/2018.

Seattle, WA

Elizabeth Wehner 3/28/17

Elizabeth Wehner

Date

Forensic Scientist



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

Preparation Date: 3.20.17 Expiration Date: 3.20.18 Initials of Preparer: LK

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 3.7.17

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.

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input type="checkbox"/>	
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17031</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	
QAP 0.15	42.1	18	<input type="checkbox"/>	
QAP 0.20	56.1	18	<input type="checkbox"/>	
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed Date 3.20.17

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:

[Signature]
 Analyst Signature

3.20.17
 Date

PLW

Sequence Parameters:

Operator: Lyndsey Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170320LK
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
 Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
 Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17

 0.04 Control - Lot #FN12181501 - Exp. 12/2020
 0.10 Control - Lot #FN08051301 - Exp. 10/2018
 0.20 Control - Lot #FN08101505 - Exp. 02/2021

 ISTD Lot#P0317 - Exp. 06/13/2017

 Calibration 1-9 filed with 17031

AWD

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17031 #1	SIMALC1	1	Sample		
11	Vial 11	17031 #2	SIMALC1	1	Sample		
12	Vial 12	17031 #3	SIMALC1	1	Sample		
13	Vial 13	17031 #4	SIMALC1	1	Sample		
14	Vial 14	17031 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		

JK

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

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

17031
Buo 3-28-17

ju

=====
Calibration Table
=====

Calib. Data Modified : Monday, March 20, 2017 10:19:55 AM
Calculate : Internal Standard
Based on : Peak Area
Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing
Curve Type : Linear
Origin : Included
Weight : Equal
Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

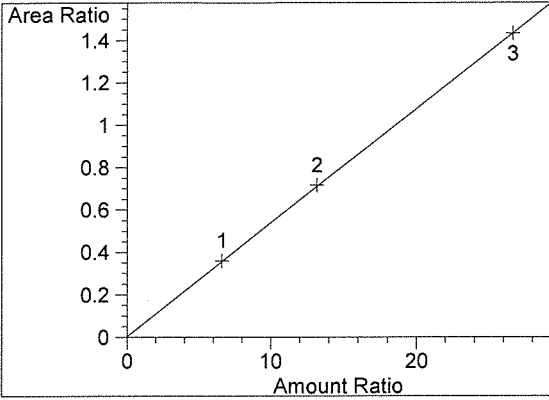
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp Name
1.086	1 1	7.91500e-2	974.98956	8.11804e-5	1	Ethanol
		2 1.58300e-1	1935.16614	8.18018e-5		
		3 3.19520e-1	3837.34424	8.32659e-5		
1.764	1 1	1.20000e-2	2707.12476	4.43275e-6	I1	n-Propanol
		2 1.20000e-2	2700.23096	4.44406e-6		
		3 1.20000e-2	2678.71899	4.47975e-6		

=====
Peak Sum Table
=====

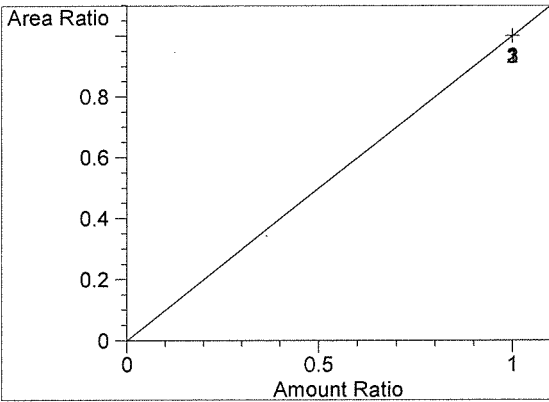
No Entries in table
=====

17031
RUC 3-28-17

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.086
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00437
Formula: $y = mx + b$
m: 5.37606e-2
b: 3.52472e-3
x: Amount Ratio
y: Area Ratio

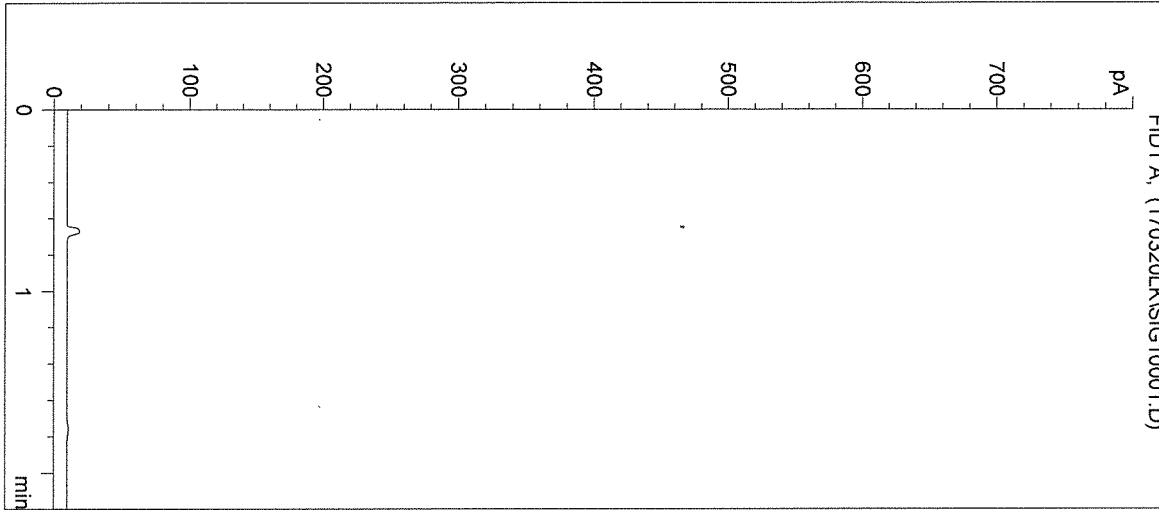


n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

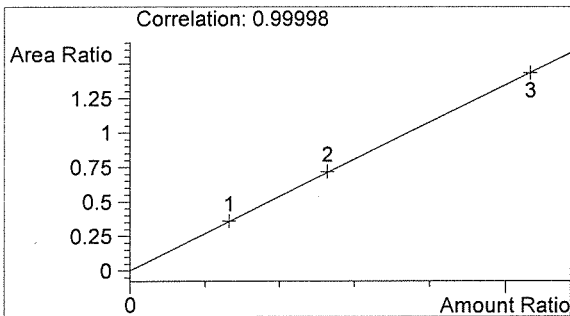
17031
P203-28-17

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:07:49 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17031

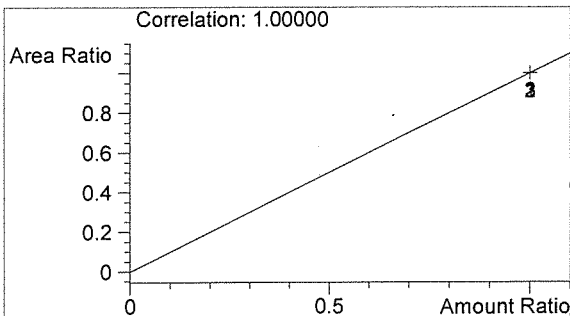


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.000 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:11:09 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

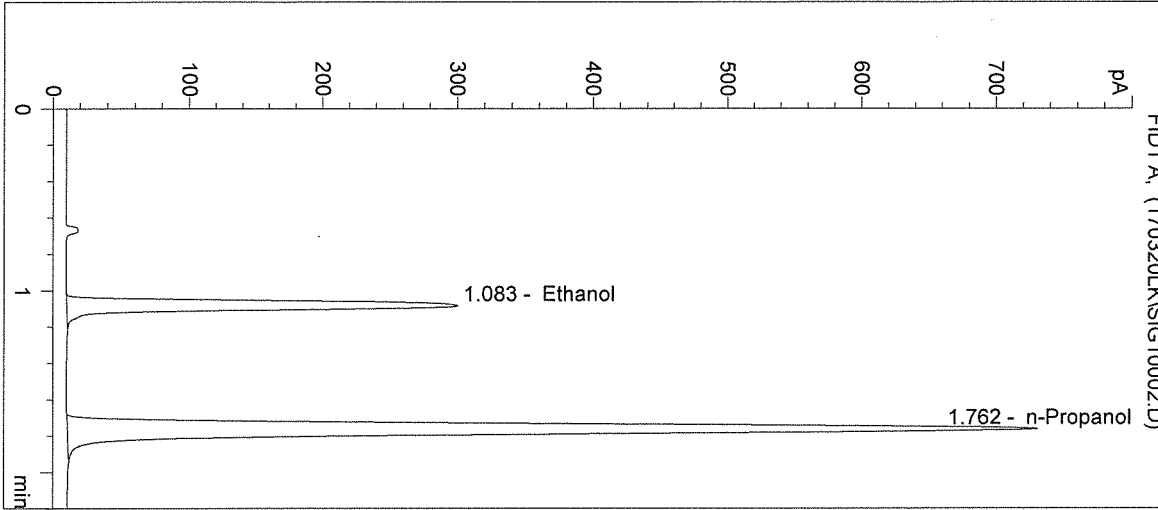
Operator: Lyndsey Knoy

Column: DB-ALC1

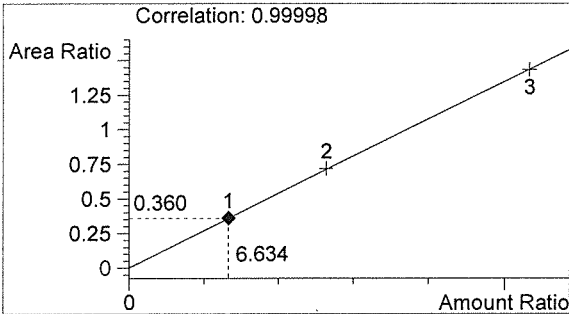
Location: Vial 2

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

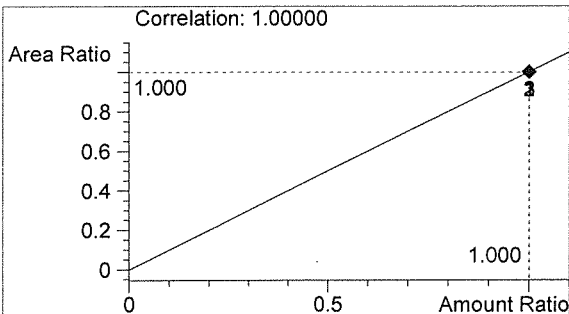


#	Compound	Peak Area	RT (min)
1	Ethanol	975	1.083
2	n-Propanol	2707	1.762



Ethanol 0.080 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:14:25 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

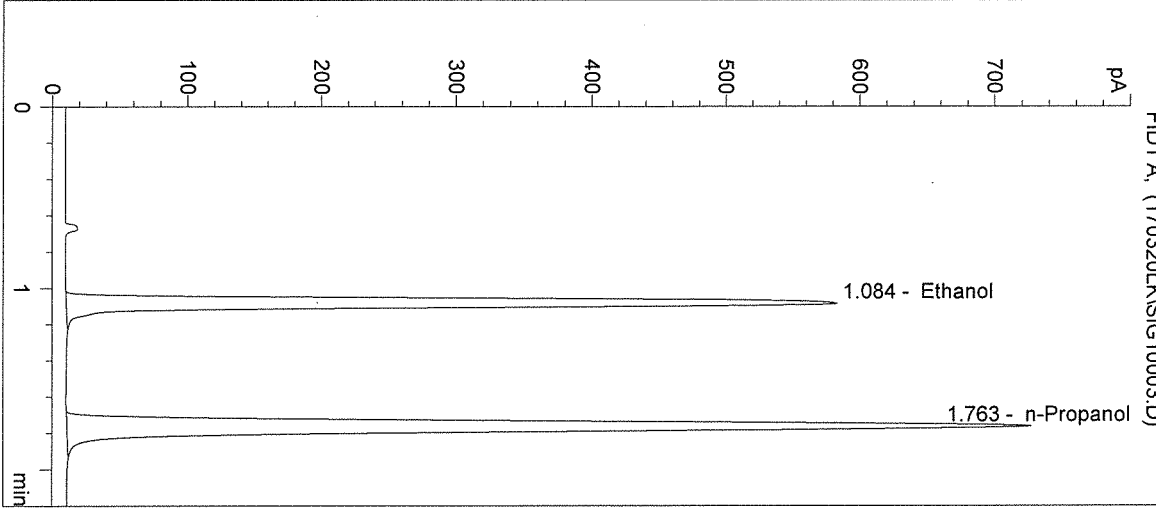
Operator: Lyndsey Knoy

Column: DB-ALC1

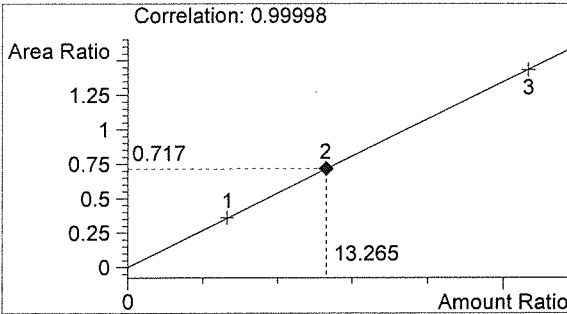
Location: Vial 3

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

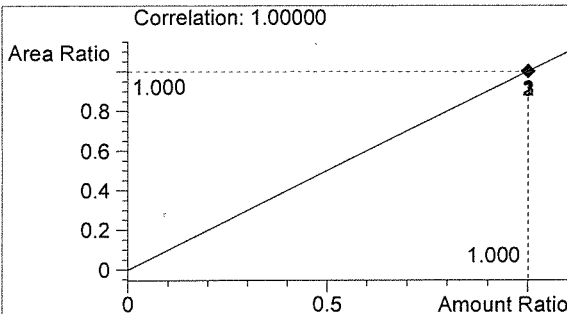


#	Compound	Peak Area	RT (min)
1	Ethanol	1935	1.084
2	n-Propanol	2700	1.763



Ethanol 0.159 g/100mL

AWD



n-Propanol 0.012 g/100mL

JK

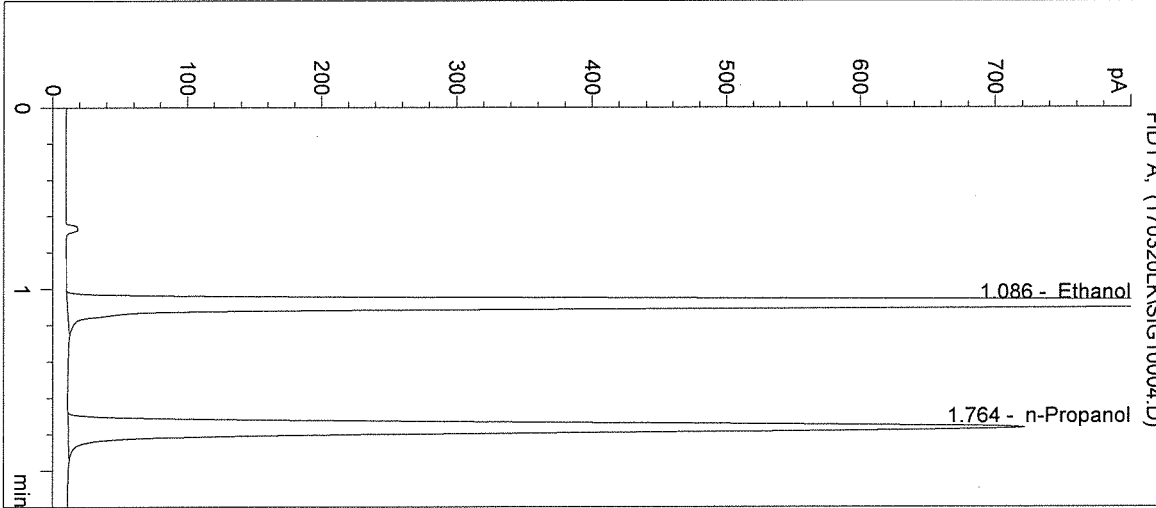
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:17:42 AM
 Instrument: HSGC#1

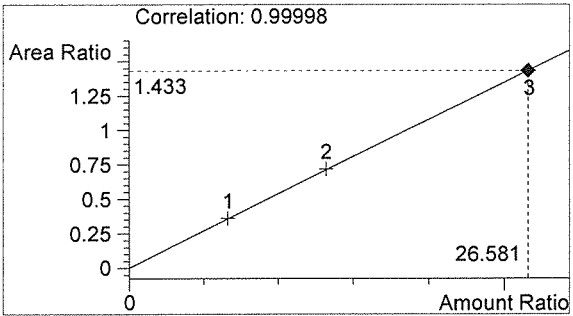
Sample Name: 0.316 CAL 3
 Operator: Lyndsey Knoy
 Location: Vial 4

Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

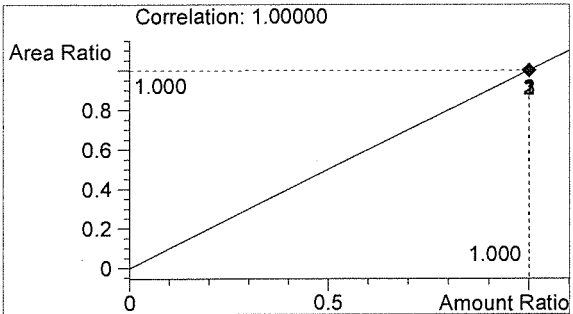


#	Compound	Peak Area	RT (min)
1	Ethanol	3837	1.086
2	n-Propanol	2679	1.764



Ethanol 0.319 g/100mL

RAW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:20:55 AM

Sample Name: Negative CTRL

Instrument: HSGC#1

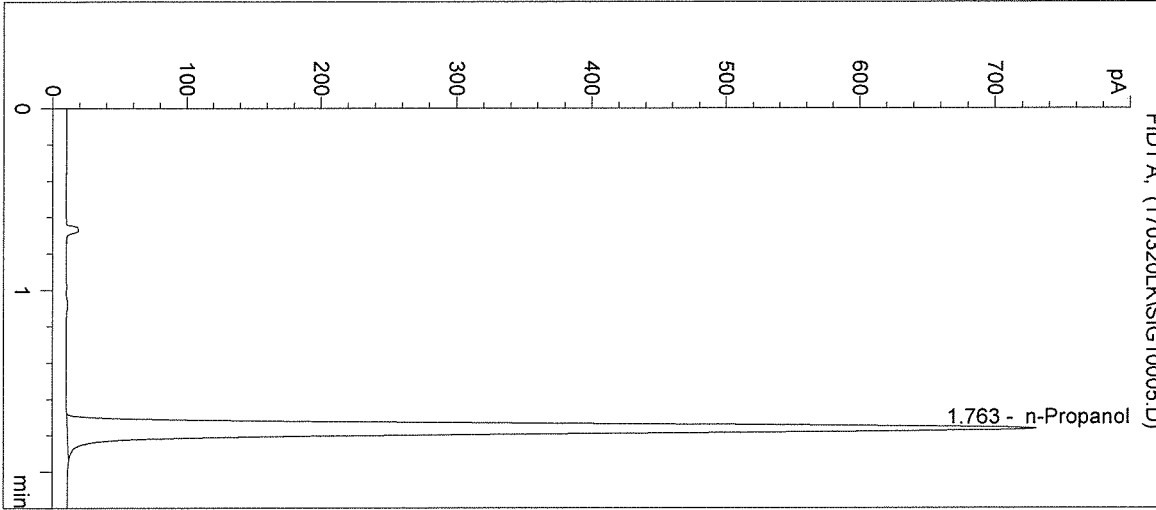
Operator: Lyndsey Knoy

Column: DB-ALC1

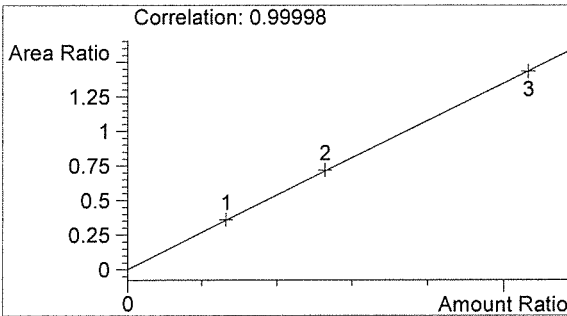
Location: Vial 5

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

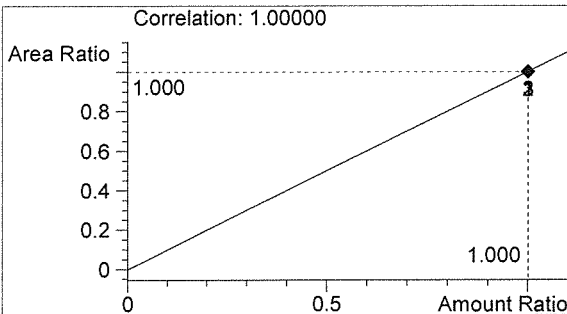


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2714	1.763



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL

pa

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:24:09 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

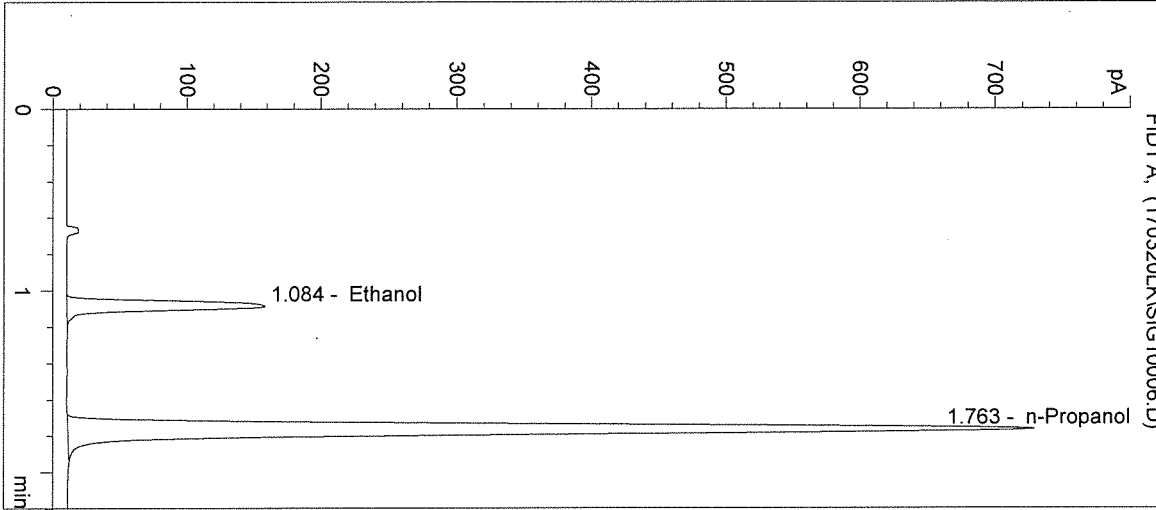
Operator: Lyndsey Knoy

Column: DB-ALC1

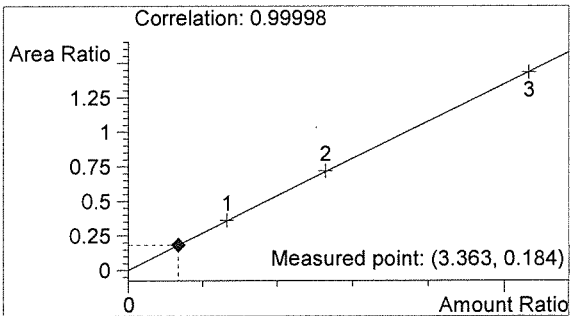
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

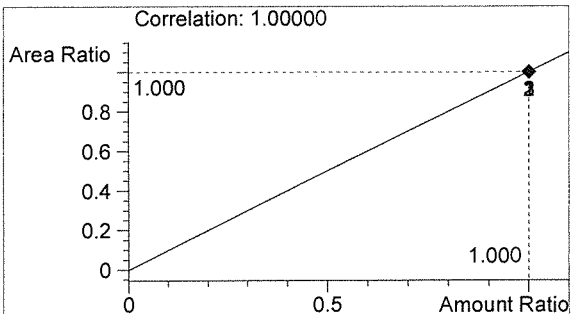


#	Compound	Peak Area	RT (min)
1	Ethanol	498	1.084
2	n-Propanol	2703	1.763



Ethanol 0.040 g/100mL

ALU



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:27:22 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

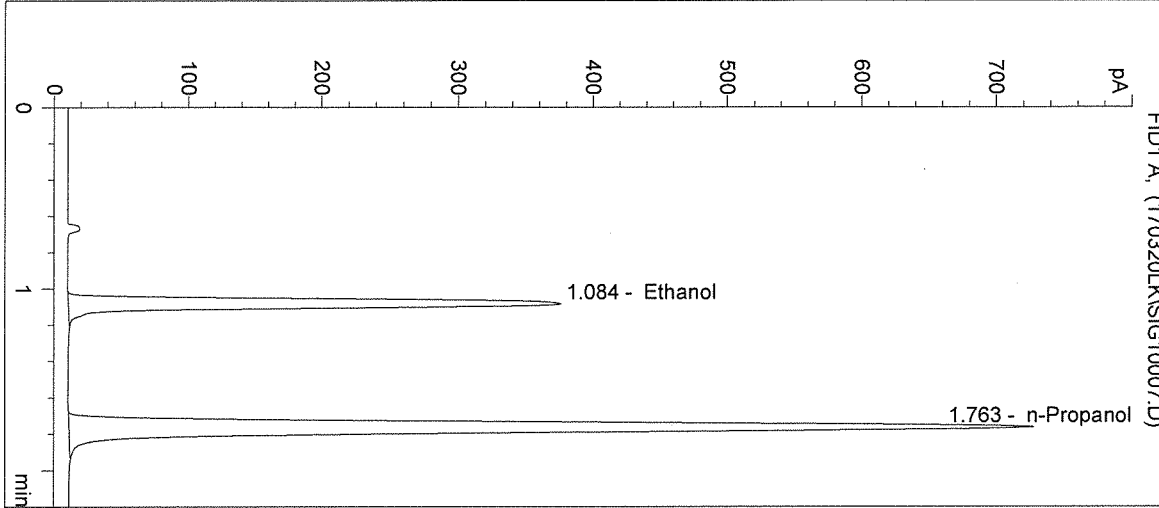
Operator: Lyndsey Knoy

Column: DB-ALC1

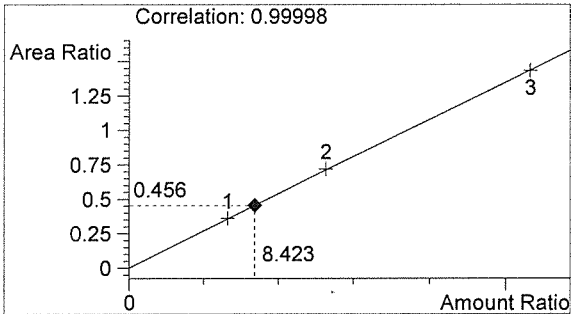
Location: Vial 7

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

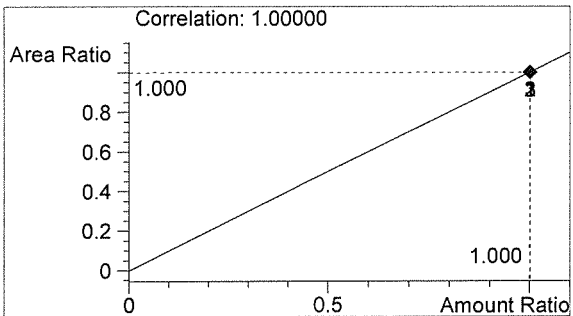


#	Compound	Peak Area	RT (min)
1	Ethanol	1225	1.084
2	n-Propanol	2685	1.763



Ethanol 0.101 g/100mL

AWO



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:30:36 AM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

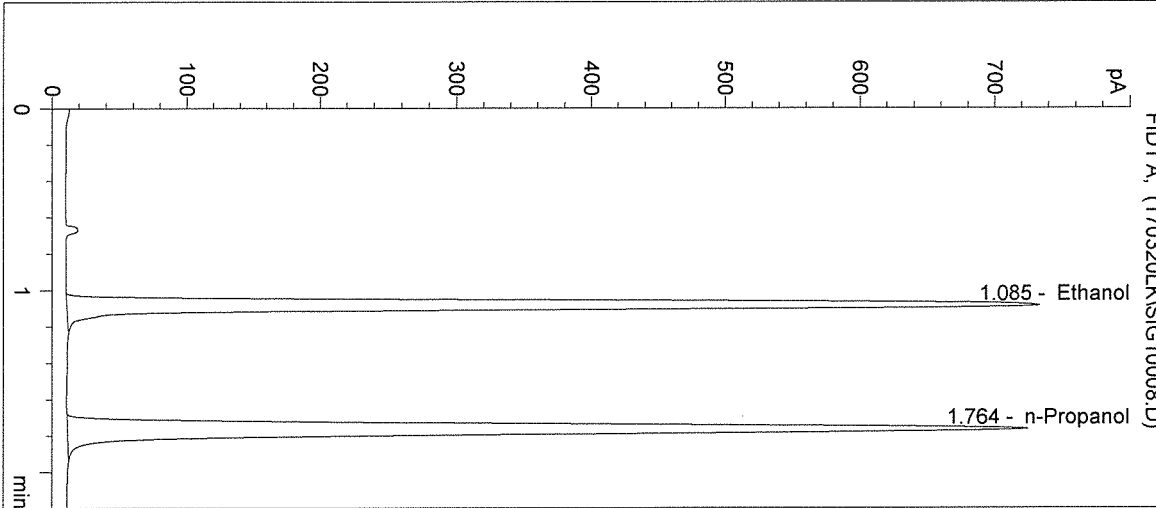
Operator: Lyndsey Knoy

Column: DB-ALC1

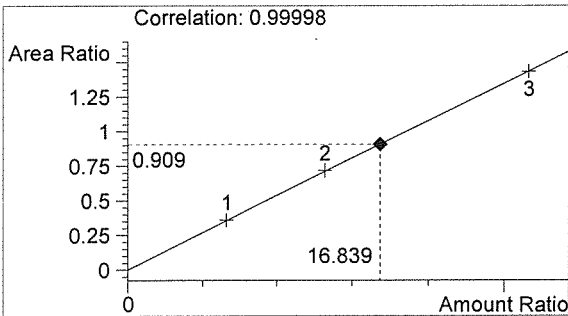
Location: Vial 8

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

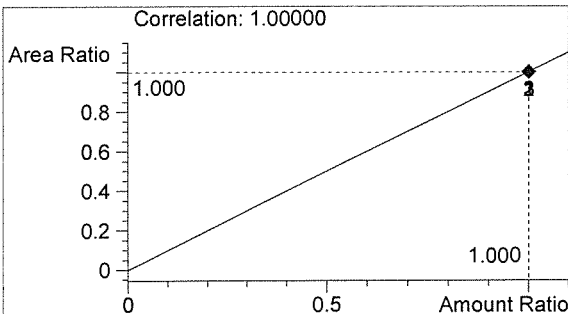


#	Compound	Peak Area	RT (min)
1	Ethanol	2439	1.085
2	n-Propanol	2683	1.764



Ethanol 0.202 g/100mL

BW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:33:48 AM

Sample Name: Negative CTRL

Instrument: HSGC#1

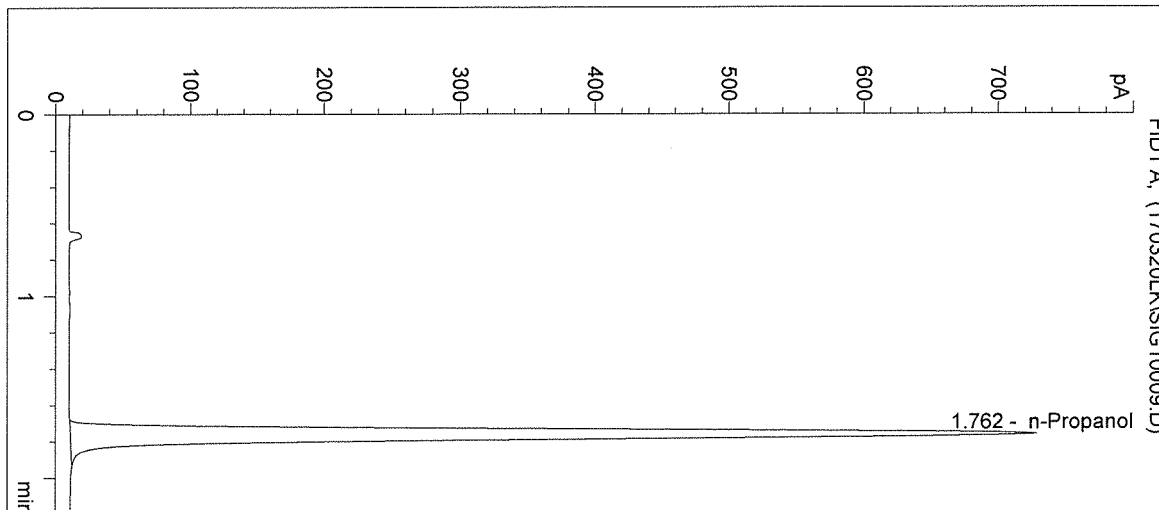
Operator: Lyndsey Knoy

Column: DB-ALC1

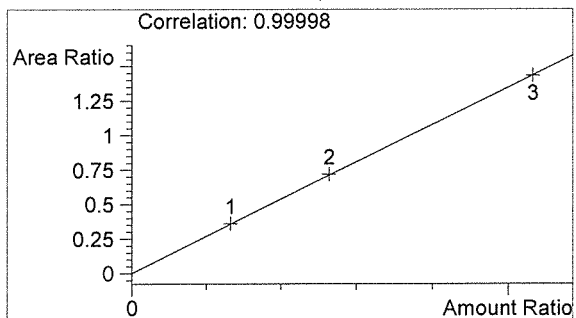
Location: Vial 9

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

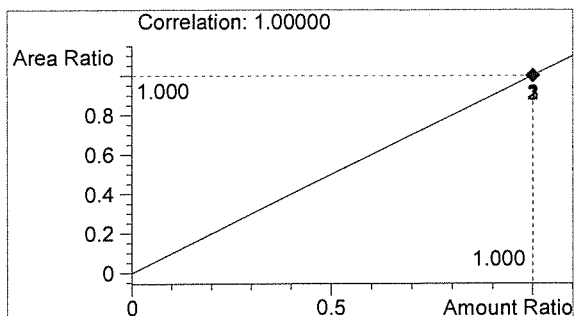


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2686	1.762



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

Inj. Date: 3/20/2017 10:37:01 AM

Sample Name: 17031 #1

Instrument: HSGC#1

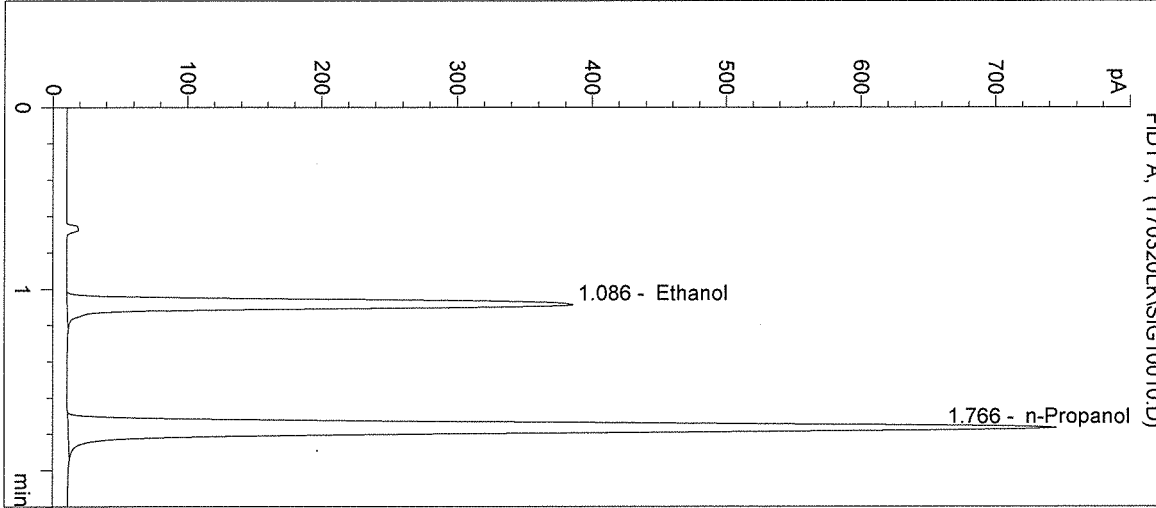
Operator: Lyndsey Knoy

Column: DB-ALC1

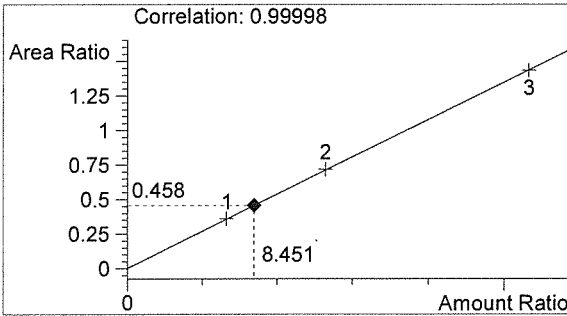
Location: Vial 10

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

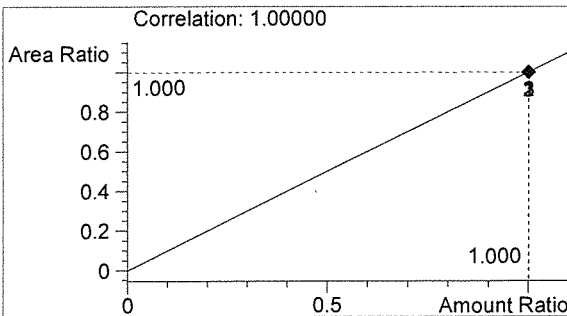


#	Compound	Peak Area	RT (min)
1	Ethanol	1267	1.086
2	n-Propanol	2767	1.766



Ethanol 0.101 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:40:15 AM

Sample Name: 17031 #2

Instrument: HSGC#1

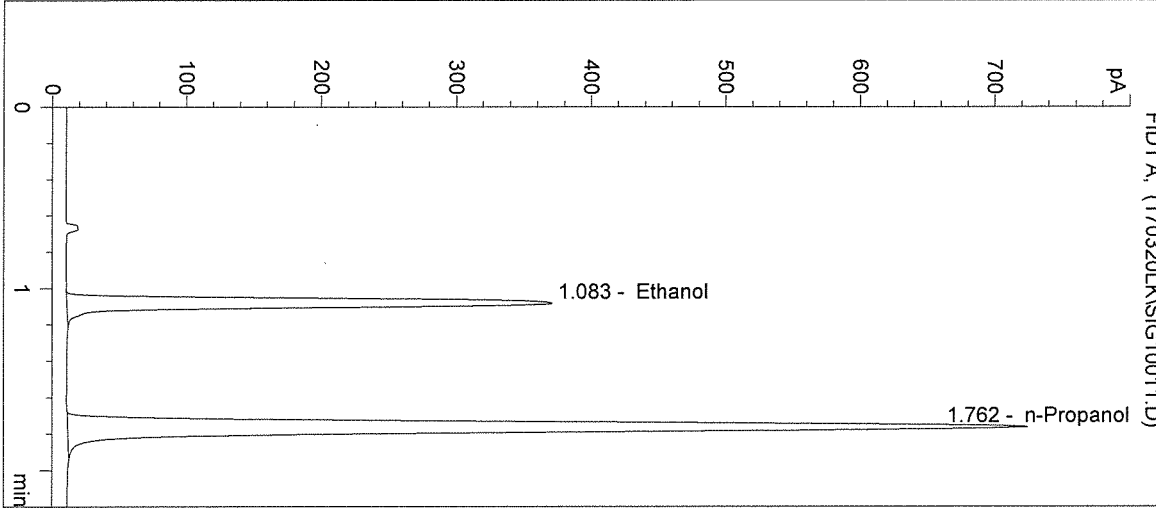
Operator: Lyndsey Knoy

Column: DB-ALC1

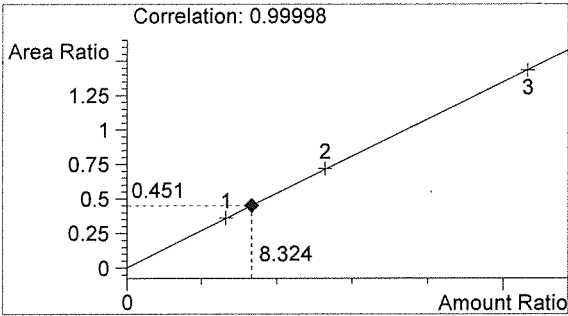
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

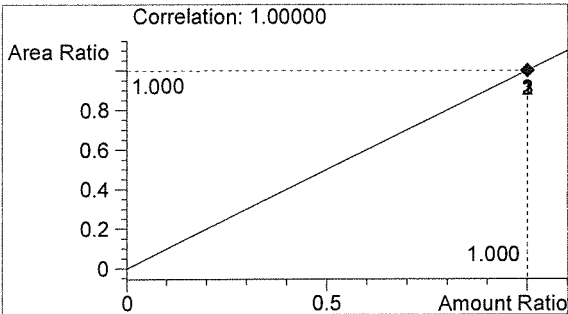


#	Compound	Peak Area	RT (min)
1	Ethanol	1205	1.083
2	n-Propanol	2671	1.762



Ethanol 0.100 g/100mL

PKW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:43:29 AM

Sample Name: 17031 #3

Instrument: HSGC#1

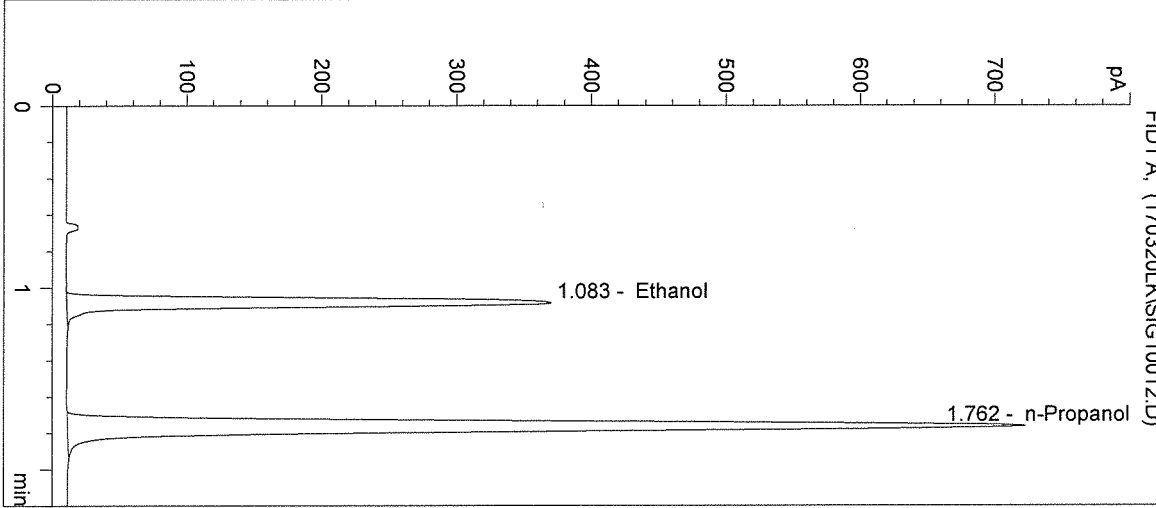
Operator: Lyndsey Knoy

Column: DB-ALC1

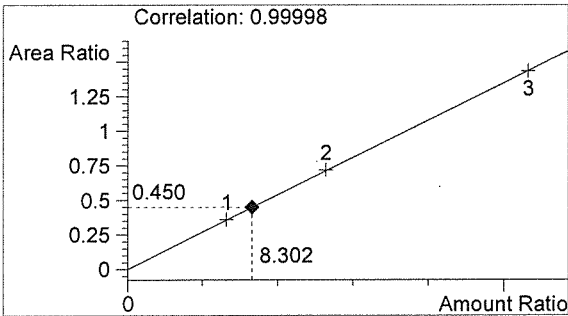
Location: Vial 12

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

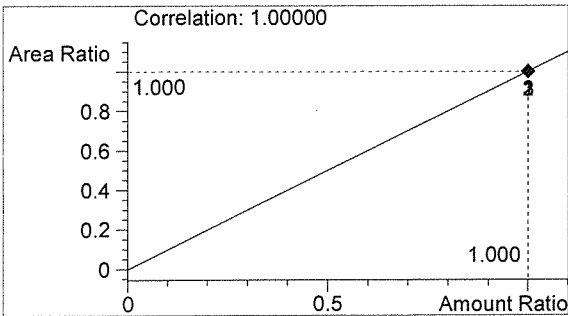


#	Compound	Peak Area	RT (min)
1	Ethanol	1199	1.083
2	n-Propanol	2665	1.762



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:46:42 AM

Sample Name: 17031 #4

Instrument: HSGC#1

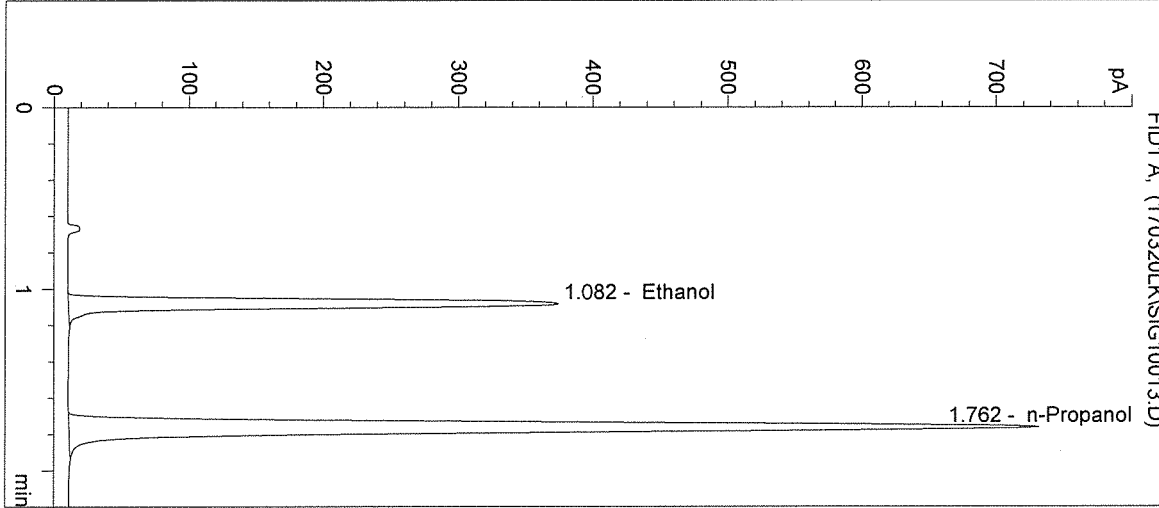
Operator: Lyndsey Knoy

Column: DB-ALC1

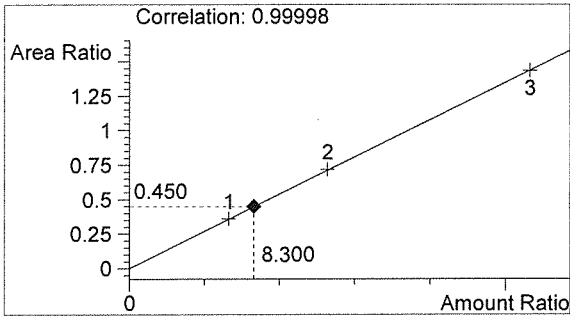
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

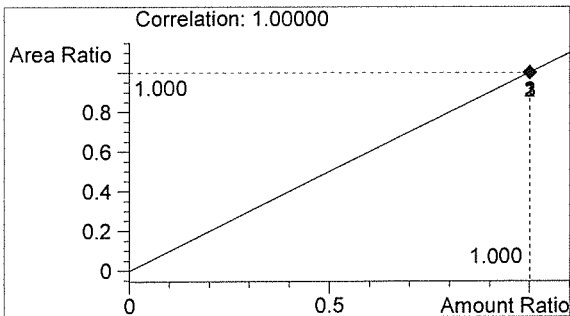


#	Compound	Peak Area	RT (min)
1	Ethanol	1210	1.082
2	n-Propanol	2690	1.762



Ethanol 0.100 g/100mL

Raw



n-Propanol 0.012 g/100mL

lk

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:49:55 AM

Sample Name: 17031 #5

Instrument: HSGC#1

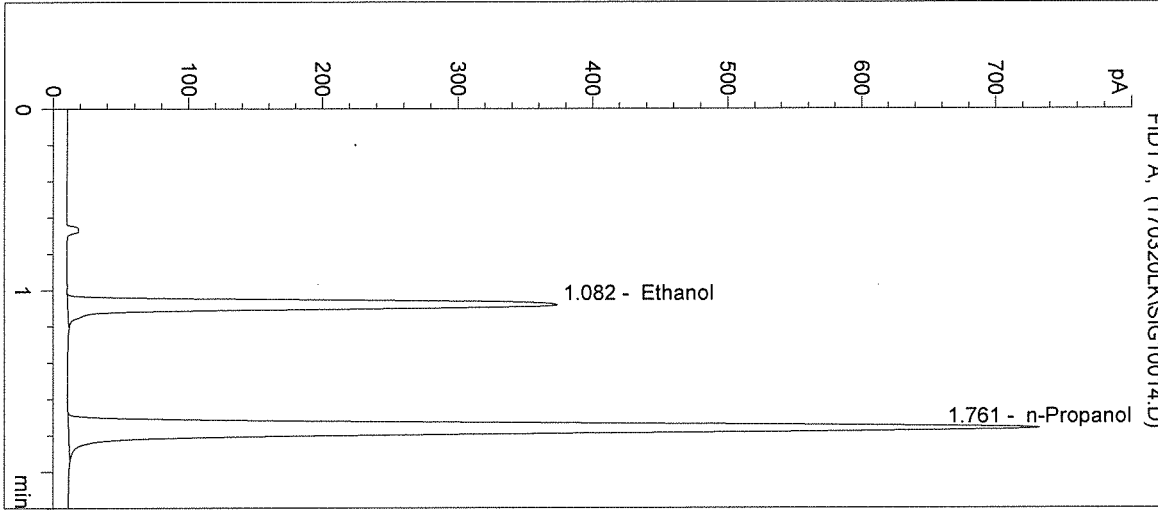
Operator: Lyndsey Knoy

Column: DB-ALC1

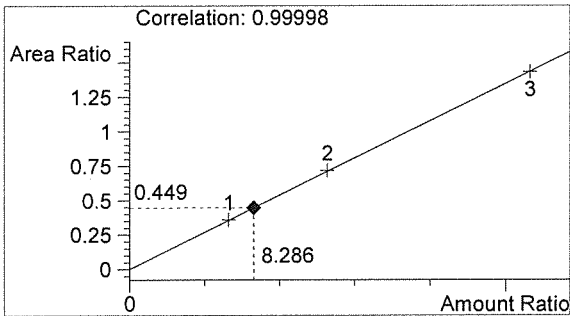
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

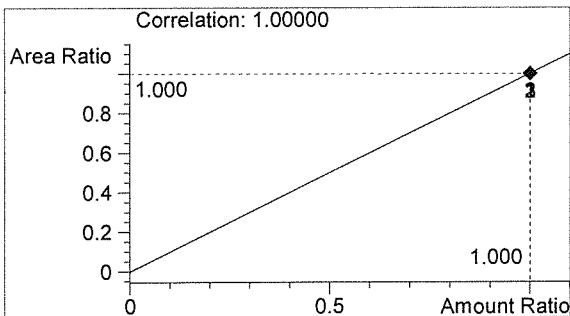


#	Compound	Peak Area	RT (min)
1	Ethanol	1212	1.082
2	n-Propanol	2699	1.761



Ethanol 0.099 g/100mL

PLW



n-Propanol 0.012 g/100mL

PLW

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:53:08 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

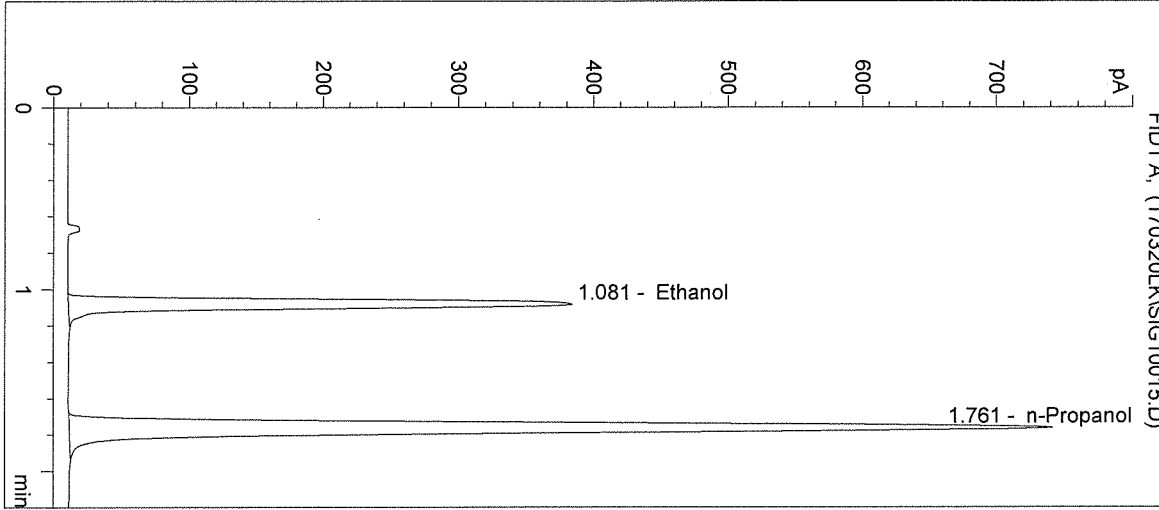
Operator: Lyndsey Knoy

Column: DB-ALC1

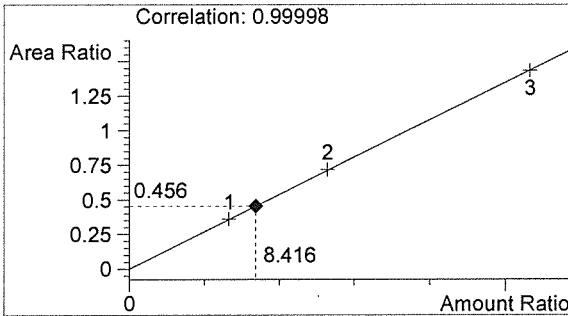
Location: Vial 15

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

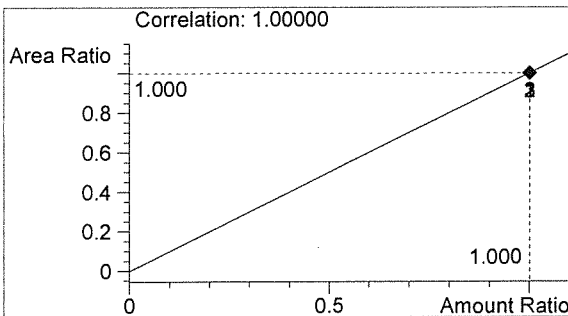


#	Compound	Peak Area	RT (min)
1	Ethanol	1243	1.081
2	n-Propanol	2727	1.761



Ethanol 0.101 g/100mL

BLW



n-Propanol 0.012 g/100mL

JK

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 10:56:22 AM

Sample Name: Negative CTRL

Instrument: HSGC#1

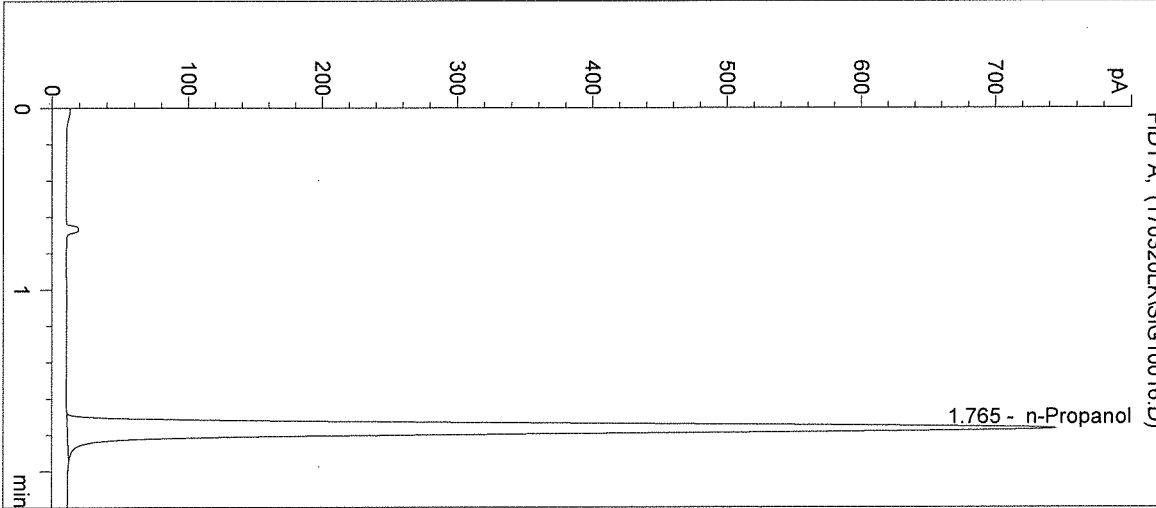
Operator: Lyndsey Knoy

Column: DB-ALC1

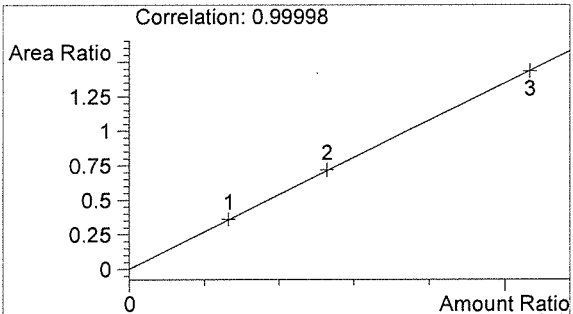
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

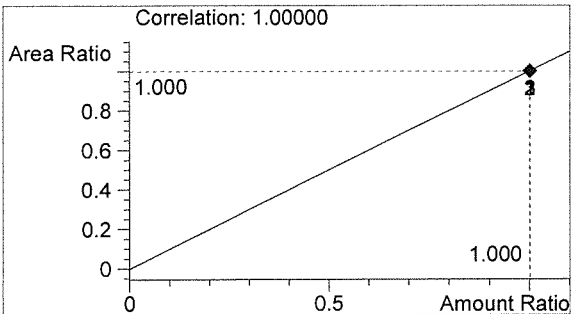


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2758	1.765



Ethanol 0.000 g/100mL

BCW



n-Propanol 0.012 g/100mL

JK

Sequence Parameters:

Operator: Amanda Chandler
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170320AC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
 Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
 Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017

 CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021

 Internal Standard Lot#P0317 - Exp. 06/13/2017

 Data for vials 1-9 with ESS 17025

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	blank	SIMALC1	1	Sample		
2	Vial 2	0.079 cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 cal 3	SIMALC1	1	Calib		
5	Vial 5	neg control	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg control	SIMALC1	1	Ctrl Samp		
10	Vial 10	17025 #1	SIMALC1	1	Sample		
11	Vial 11	17025 #2	SIMALC1	1	Sample		
12	Vial 12	17025 #3	SIMALC1	1	Sample		
13	Vial 13	17025 #4	SIMALC1	1	Sample		
14	Vial 14	17025 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control	SIMALC1	1	Ctrl Samp		
17	Vial 17	17031 #1	SIMALC1	1	Sample		
18	Vial 18	17031 #2	SIMALC1	1	Sample		
19	Vial 19	17031 #3	SIMALC1	1	Sample		
20	Vial 20	17031 #4	SIMALC1	1	Sample		
21	Vial 21	17031 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg control	SIMALC1	1	Ctrl Samp		

17031
 BW 3-28-17

AR

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 cal 1	SIMALC1	1	Replace		Replace		
3	Vial 3	0.158 cal 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 cal 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

17031
BUO 3.28.17

AZ

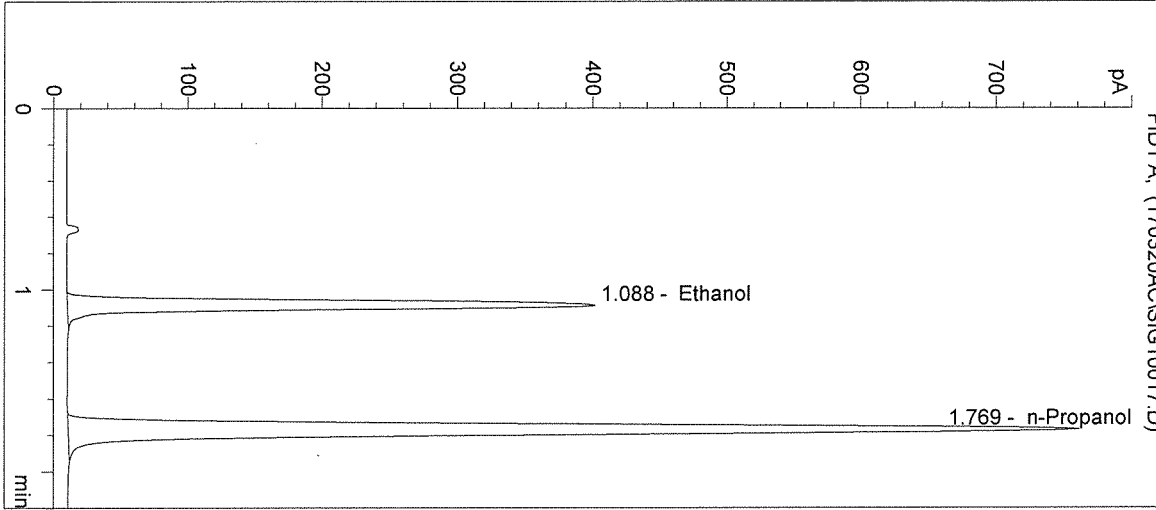
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 2:56:29 PM
Instrument: HSGC#1
Column: DB-ALC1

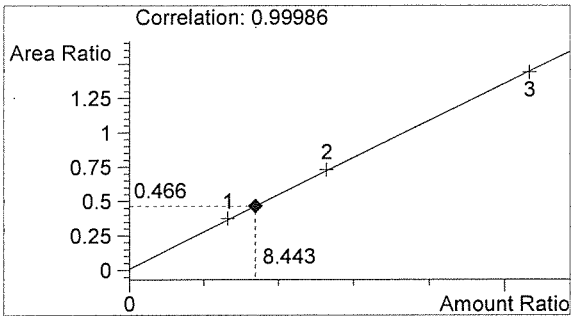
Sample Name: 17031 #1
Operator: Amanda Chandler
Location: Vial 17

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

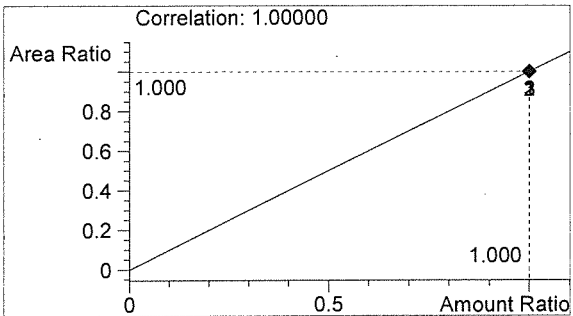


#	Compound	Peak Area	RT (min)
1	Ethanol	1320	1.088
2	n-Propanol	2833	1.769



Ethanol 0.101 g/100mL

PCW



n-Propanol 0.012 g/100mL

AZ

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 2:59:43 PM

Sample Name: 17031 #2

Instrument: HSGC#1

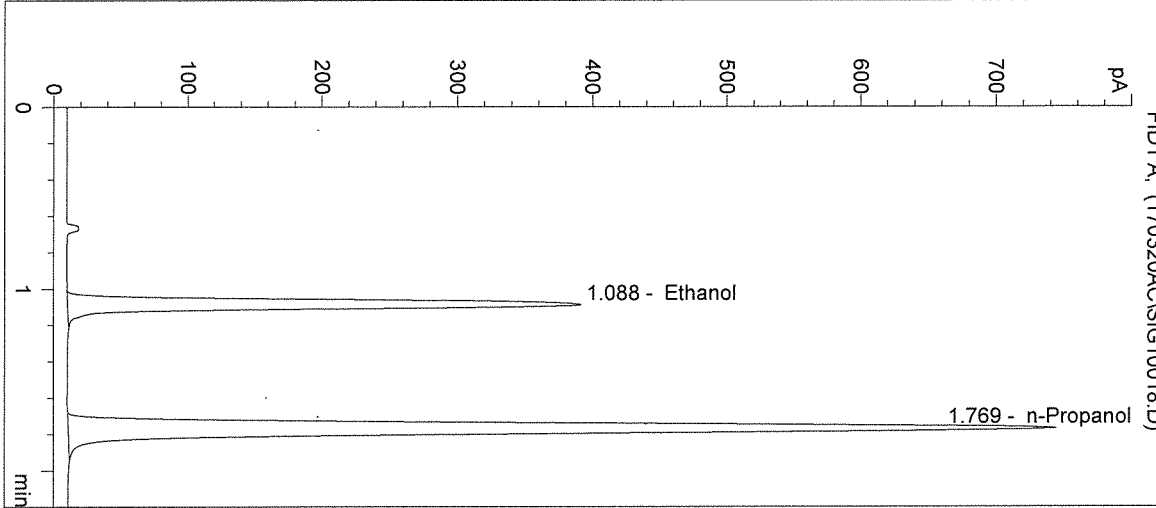
Operator: Amanda Chandler

Column: DB-ALC1

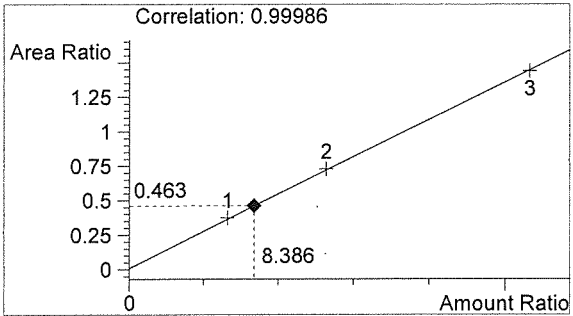
Location: Vial 18

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

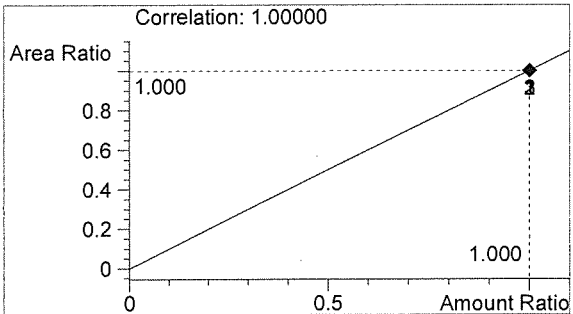


#	Compound	Peak Area	RT (min)
1	Ethanol	1285	1.088
2	n-Propanol	2776	1.769



Ethanol 0.101 g/100mL

AW



n-Propanol 0.012 g/100mL

AR

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 3:02:56 PM

Sample Name: 17031 #3

Instrument: HSGC#1

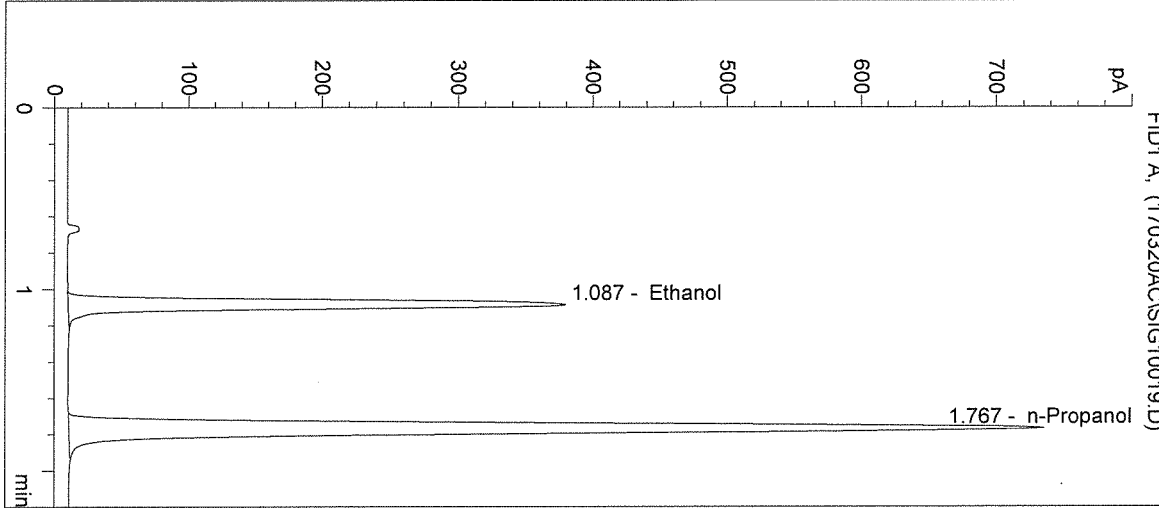
Operator: Amanda Chandler

Column: DB-ALC1

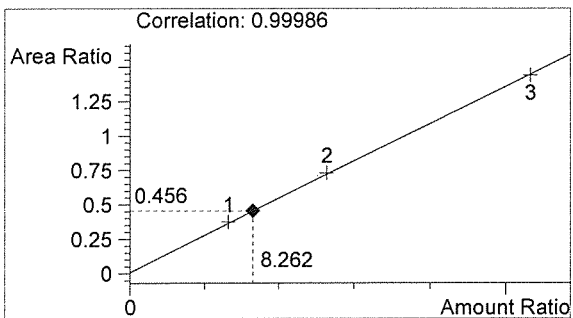
Location: Vial 19

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

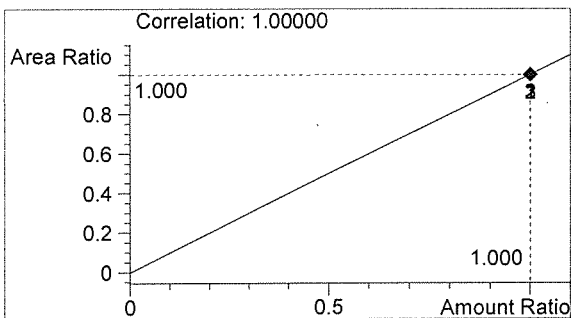


#	Compound	Peak Area	RT (min)
1	Ethanol	1240	1.087
2	n-Propanol	2719	1.767



Ethanol 0.099 g/100mL

AW



n-Propanol 0.012 g/100mL

AW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 3:06:09 PM

Sample Name: 17031 #4

Instrument: HSGC#1

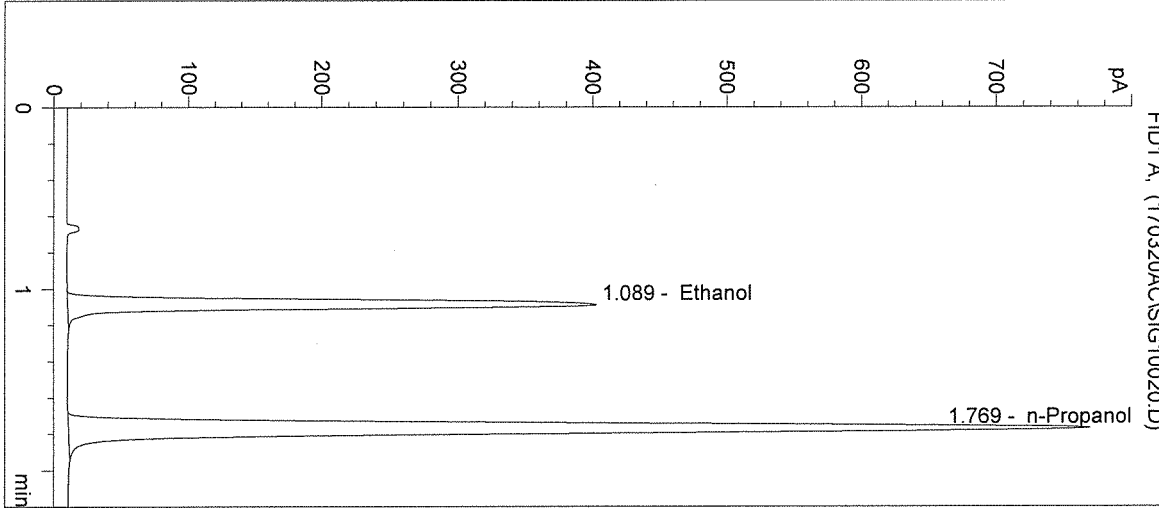
Operator: Amanda Chandler

Column: DB-ALC1

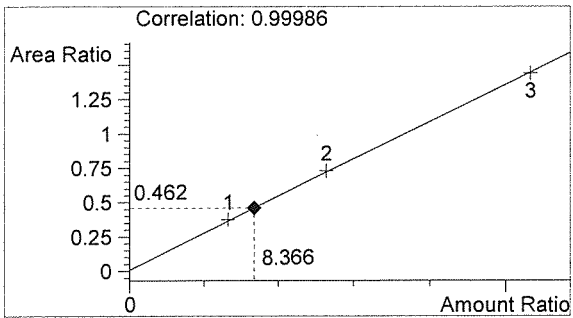
Location: Vial 20

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

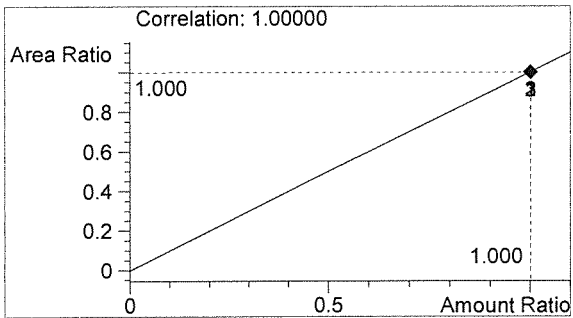


#	Compound	Peak Area	RT (min)
1	Ethanol	1324	1.089
2	n-Propanol	2867	1.769



Ethanol 0.100 g/100mL

AWO



n-Propanol 0.012 g/100mL

AW

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 3:09:24 PM

Sample Name: 17031 #5

Instrument: HSGC#1

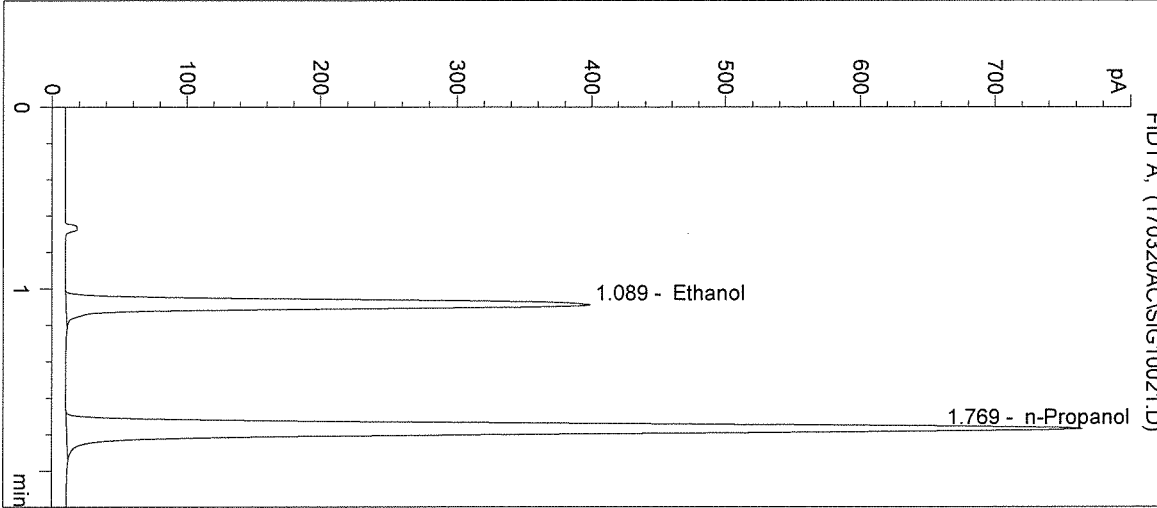
Operator: Amanda Chandler

Column: DB-ALC1

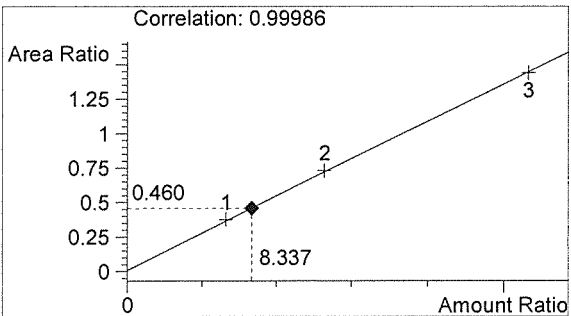
Location: Vial 21

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

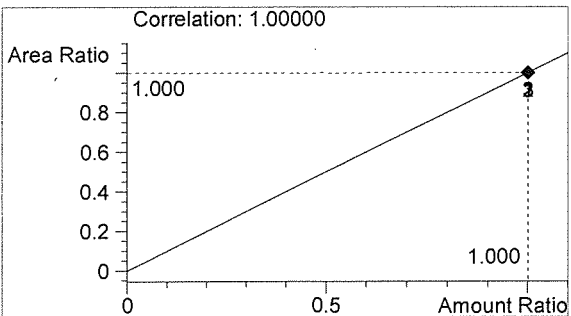


#	Compound	Peak Area	RT (min)
1	Ethanol	1313	1.089
2	n-Propanol	2853	1.769



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

AR

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 3:12:36 PM

Sample Name: 0.10 ctrl

Instrument: HSGC#1

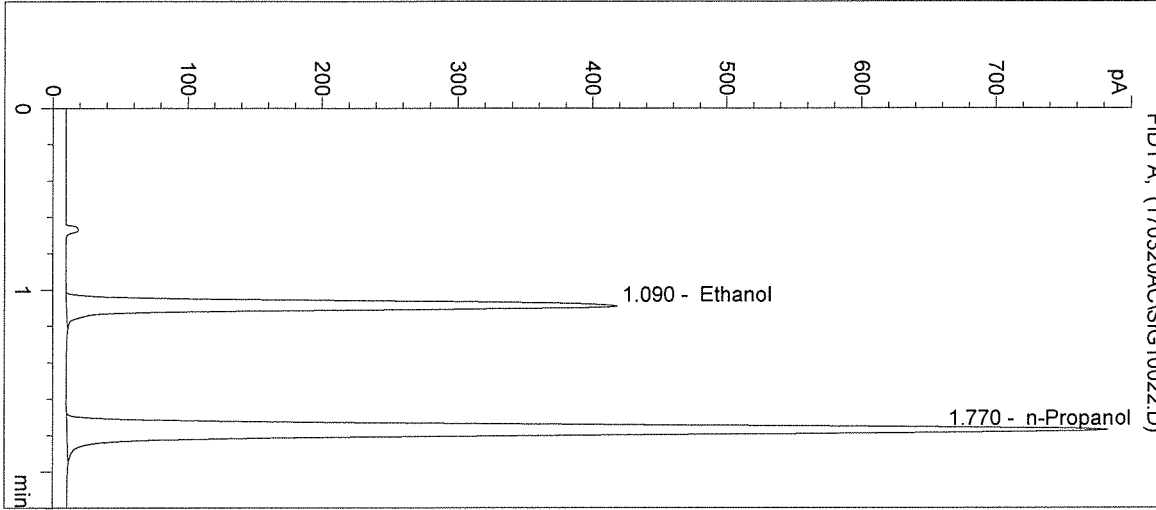
Operator: Amanda Chandler

Column: DB-ALC1

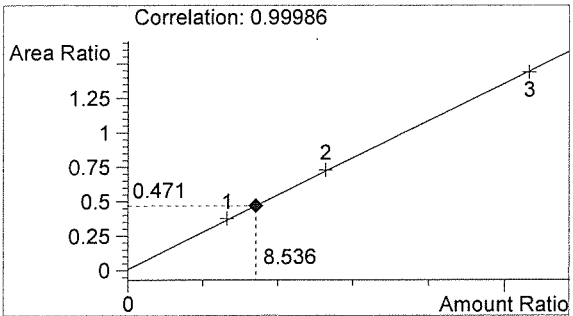
Location: Vial 22

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

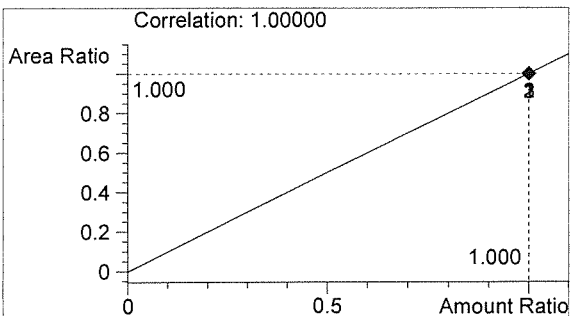


#	Compound	Peak Area	RT (min)
1	Ethanol	1384	1.090
2	n-Propanol	2938	1.770



Ethanol 0.102 g/100mL

BW

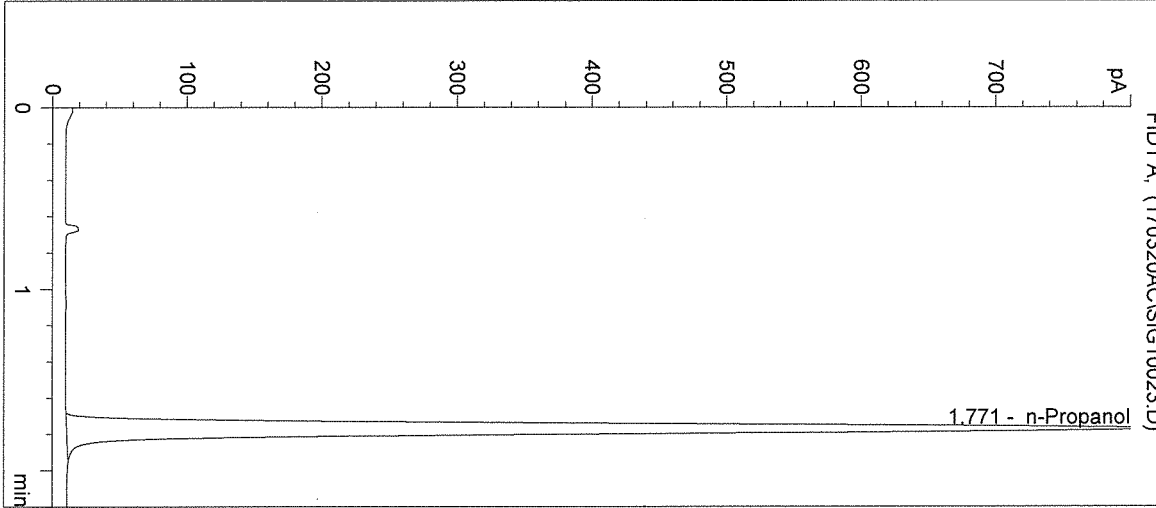


n-Propanol 0.012 g/100mL

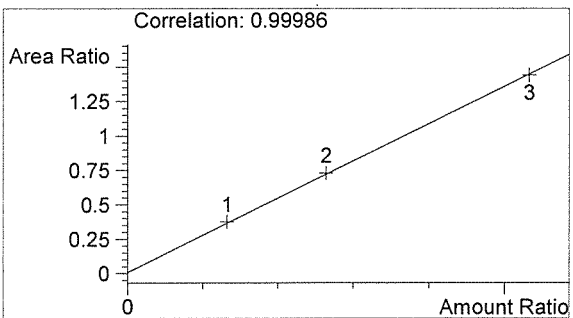
AD

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2017 3:15:49 PM Sample Name: neg control
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17031

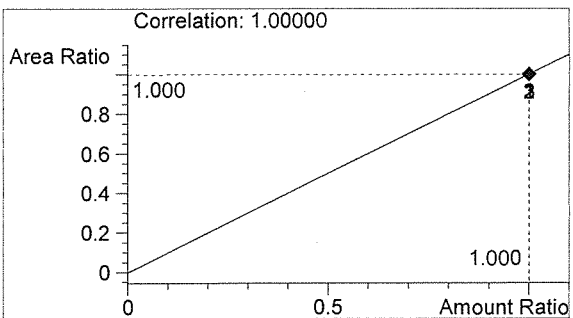


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3076	1.771



Ethanol 0.000 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

Sequence Parameters:

Operator: Elizabeth Wehner
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170324EW
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
 Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
 Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17

 0.04 Control - Lot #FN12181501 - Exp. 12/2020
 0.10 Control - Lot #FN08051301 - Exp. 10/2018
 0.20 Control - Lot #FN08101505 - Exp. 02/2021

 ISTD Lot#P0317 - Exp. 06/13/2017

 Calibration 1-9 filed with 17031

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17031 #1	SIMALC1	1	Sample		
11	Vial 11	17031 #2	SIMALC1	1	Sample		
12	Vial 12	17031 #3	SIMALC1	1	Sample		
13	Vial 13	17031 #4	SIMALC1	1	Sample		
14	Vial 14	17031 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		

BW

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace		Replace		

EW

Line	Location	SampleName	Method	CalLev	Update	RF	Update	RT	Interval
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace		Replace		
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace		Replace		

Sequence Table (Back Injector):

No entries - empty table!

17031
BU03.28.17

EW

=====
 Calibration Table
 =====

Calib. Data Modified : Friday, March 24, 2017 10:28:22 AM
 Calculate : Internal Standard
 Based on : Peak Area
 Rel. Reference Window : 5.000 %
 Abs. Reference Window : 0.050 min
 Rel. Non-ref. Window : 5.000 %
 Abs. Non-ref. Window : 0.050 min
 Multiplier : 1.0000
 Dilution : 1.0000
 Sample Amount : 0.00000
 Use Multiplier & Dilution Factor with ISTDs
 Uncalibrated Peaks : not reported
 Partial Calibration : No recalibration if peaks missing
 Curve Type : Linear
 Origin : Included
 Weight : Equal
 Recalibration Settings:
 Average Response : No Update
 Average Retention Time: No Update

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

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.088	1 1	7.91500e-2	1024.97620	7.72213e-5	1 Ethanol
		1.58300e-1	1940.60669	8.15724e-5	
		3.19520e-1	3978.28223	8.03161e-5	
1.768	1 1	1.20000e-2	2789.52466	4.30181e-6	I1 n-Propanol
		1.20000e-2	2703.23096	4.43913e-6	
		1.20000e-2	2755.04126	4.35565e-6	

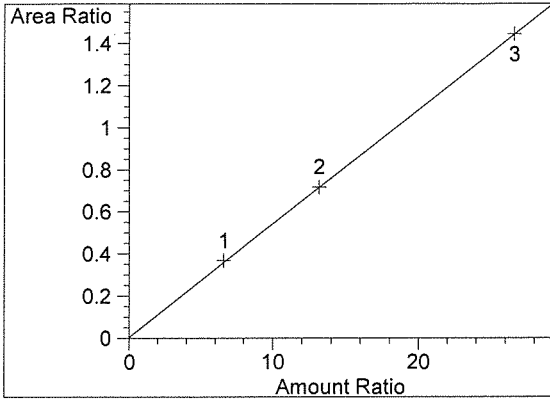
17031
 RW 3.28.17

=====
 Peak Sum Table
 =====

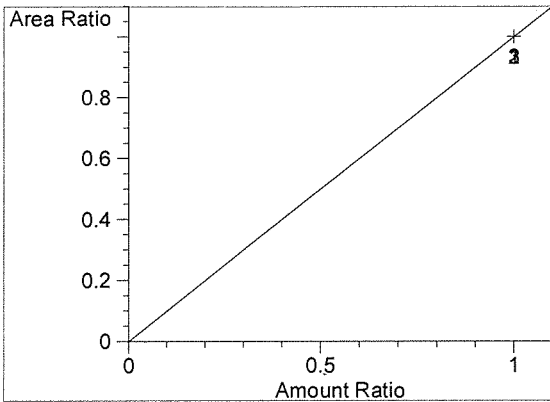
No Entries in table
 =====

EW

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.088
FID1 A,
Correlation: 0.99997 ✓
Residual Std. Dev.: 0.00541
Formula: $y = mx + b$
m: 5.41159e-2
b: 4.39504e-3
x: Amount Ratio
y: Area Ratio



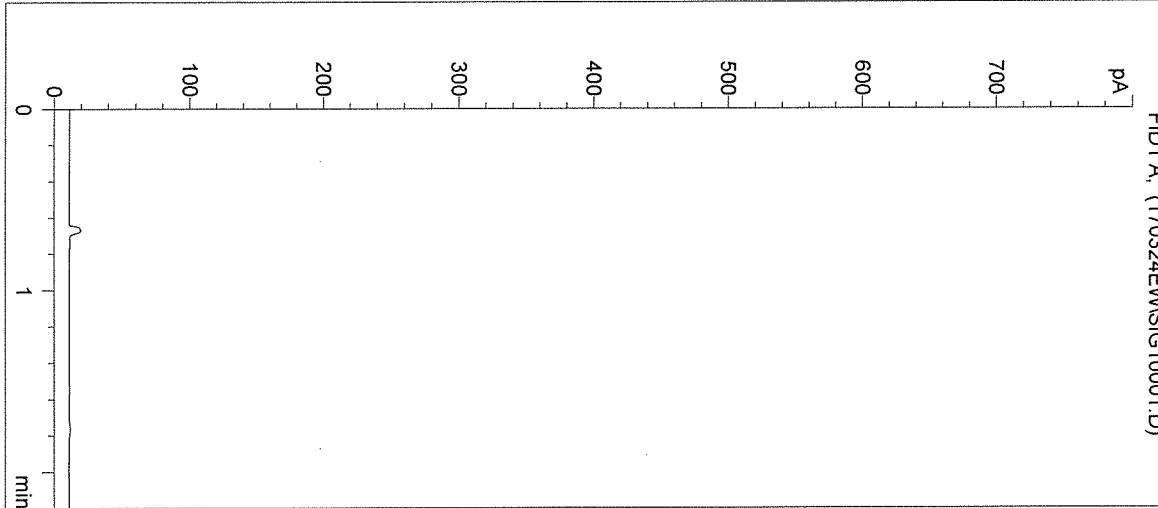
n-Propanol at exp. RT: 1.768
FID1 A,
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17031
BUO 3-28-17

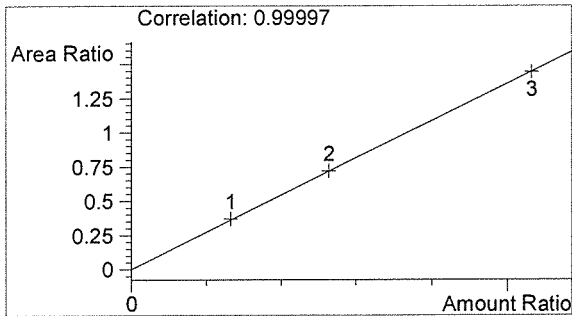
EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:16:16 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17031

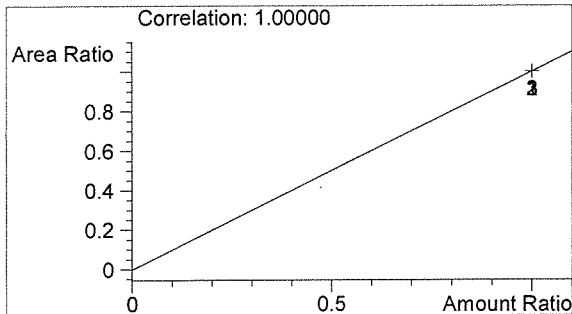


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BW

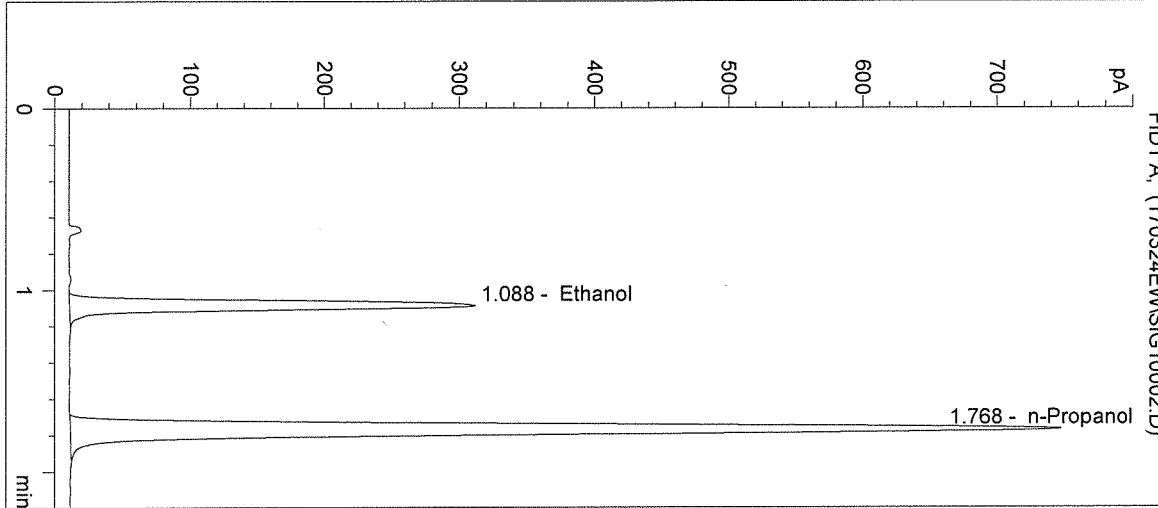


n-Propanol 0.000 g/100mL

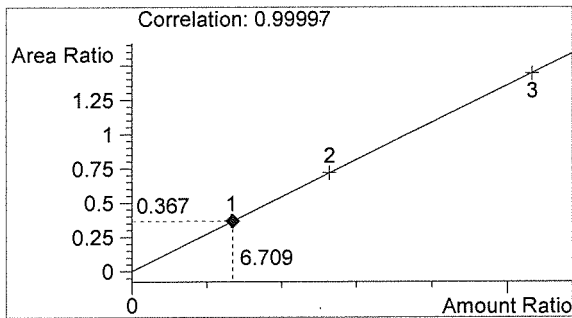
EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:19:35 AM Sample Name: 0.079 CAL 1
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 2
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17031

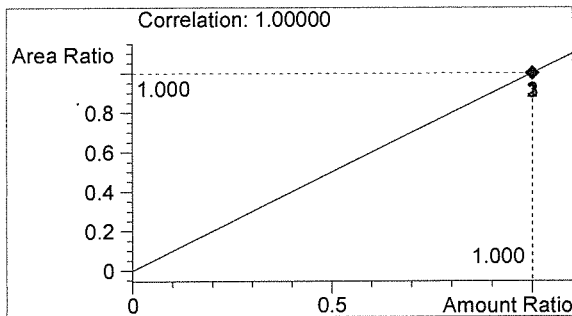


#	Compound	Peak Area	RT (min)
1	Ethanol	1025	1.088
2	n-Propanol	2790	1.768



Ethanol 0.081 g/100mL

BLW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:22:52 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

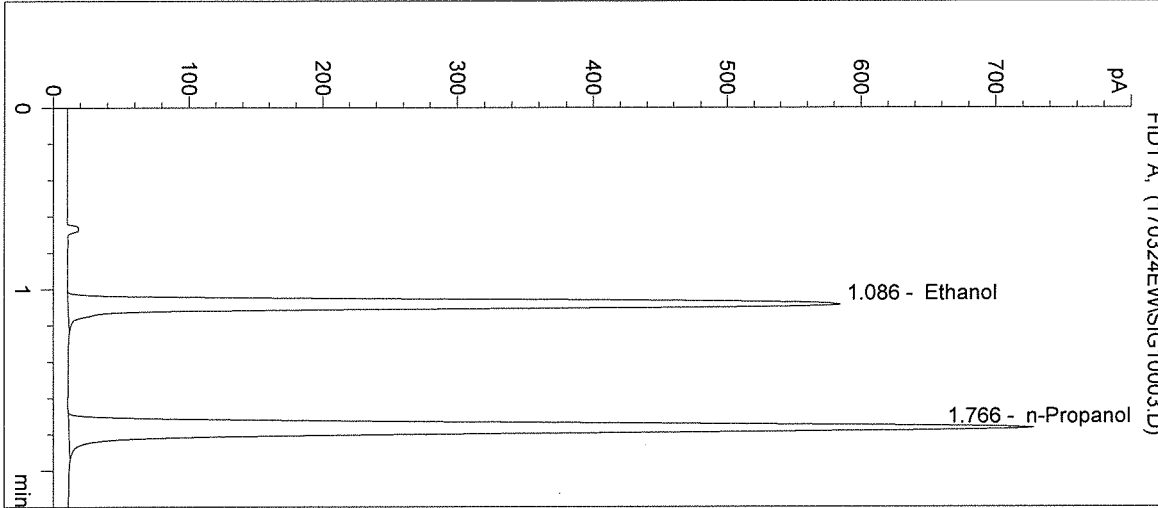
Operator: Elizabeth Wehner

Column: DB-ALC1

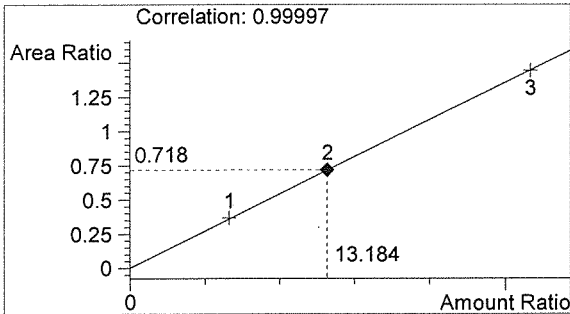
Location: Vial 3

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

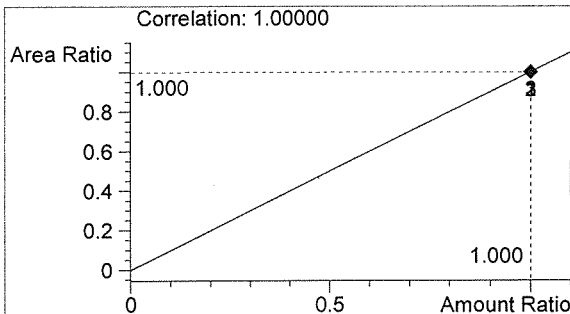


#	Compound	Peak Area	RT (min)
1	Ethanol	1941	1.086
2	n-Propanol	2703	1.766



Ethanol 0.158 g/100mL

PAW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:26:09 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

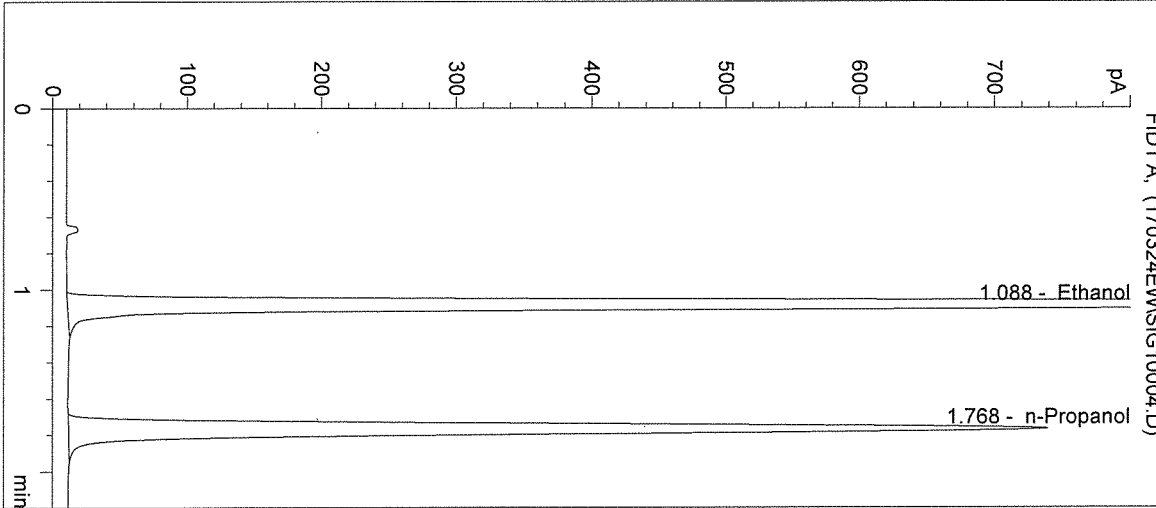
Operator: Elizabeth Wehner

Column: DB-ALC1

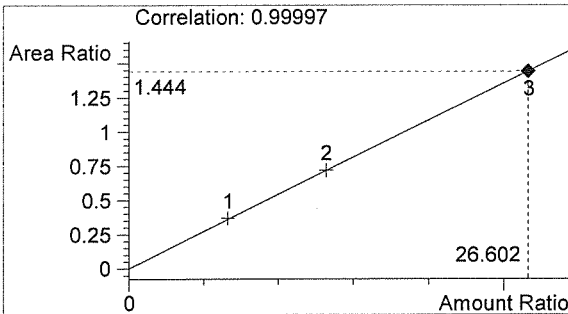
Location: Vial 4

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

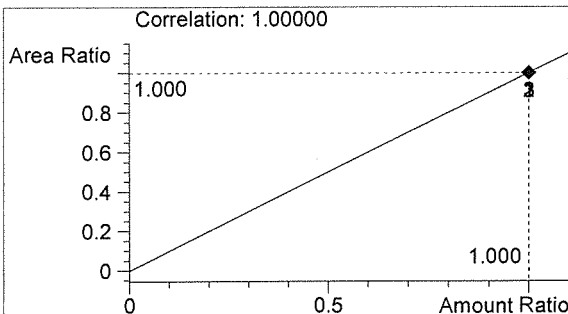


#	Compound	Peak Area	RT (min)
1	Ethanol	3978	1.088
2	n-Propanol	2755	1.768



Ethanol 0.319 g/100mL

PLW



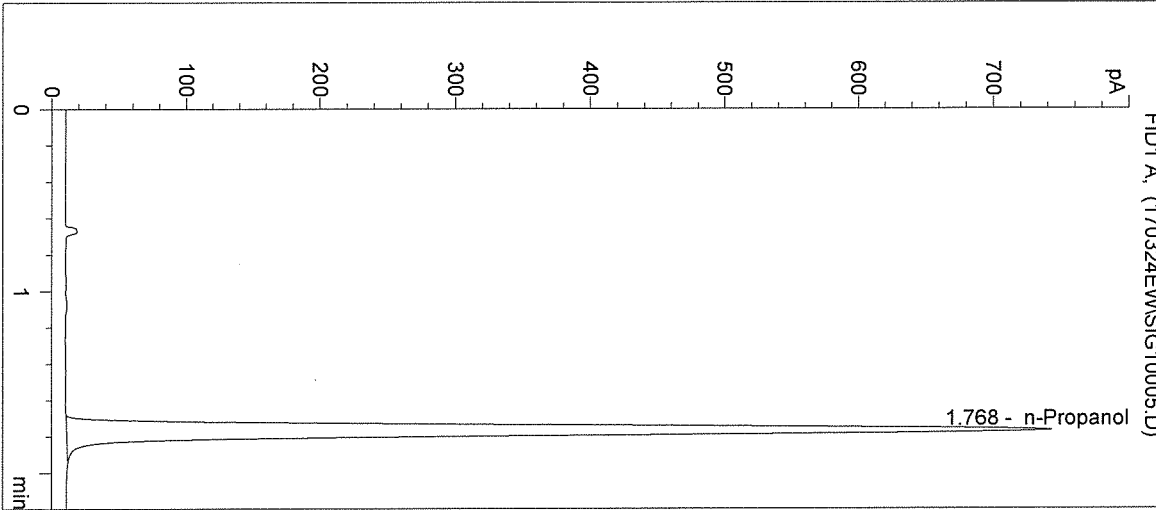
n-Propanol 0.012 g/100mL

EW

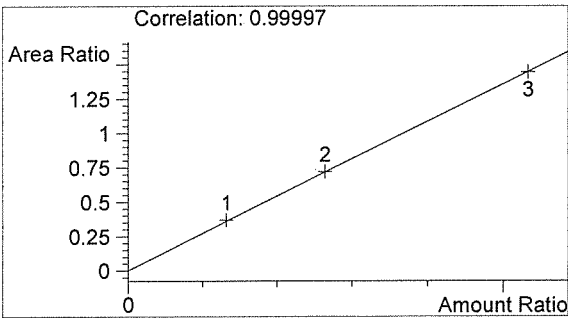
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:29:22 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17031

Sample Name: Negative CTRL
Operator: Elizabeth Wehner
Location: Vial 5

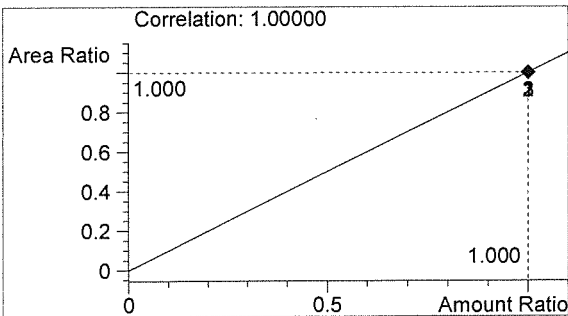


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2775	1.768



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:32:35 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

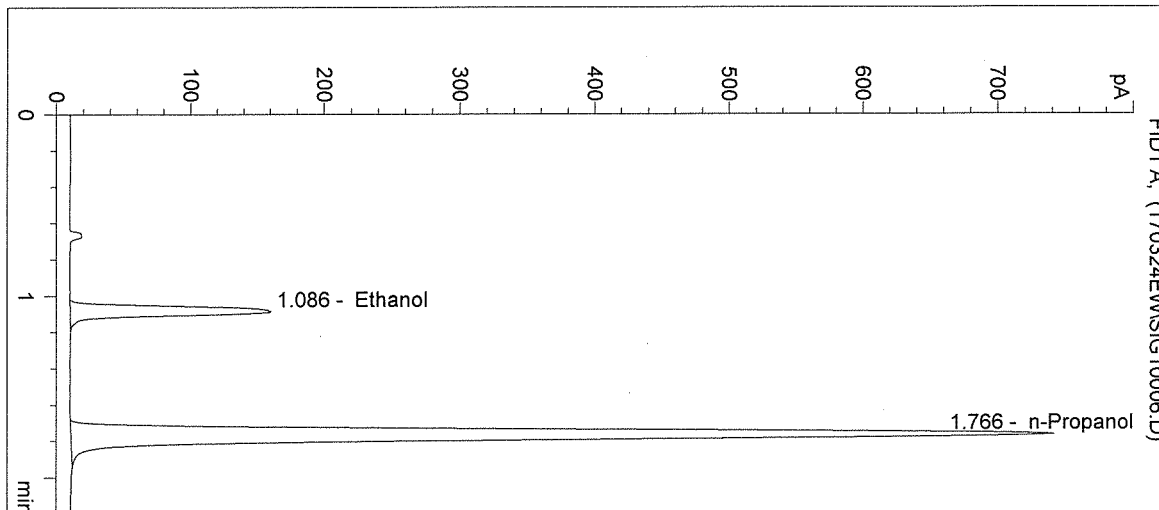
Operator: Elizabeth Wehner

Column: DB-ALC1

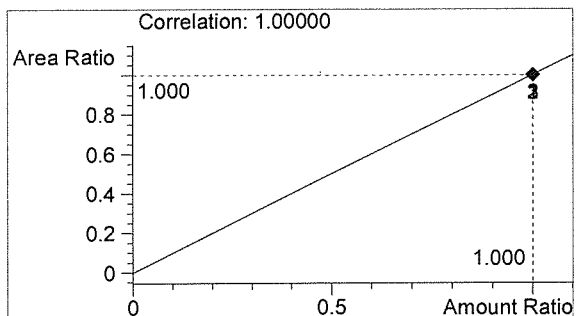
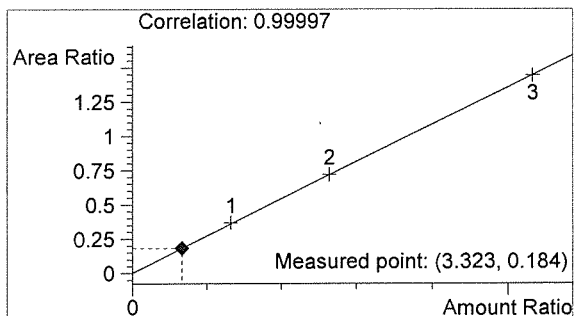
Location: Vial 6

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031



#	Compound	Peak Area	RT (min)
1	Ethanol	506	1.086
2	n-Propanol	2745	1.766



EW

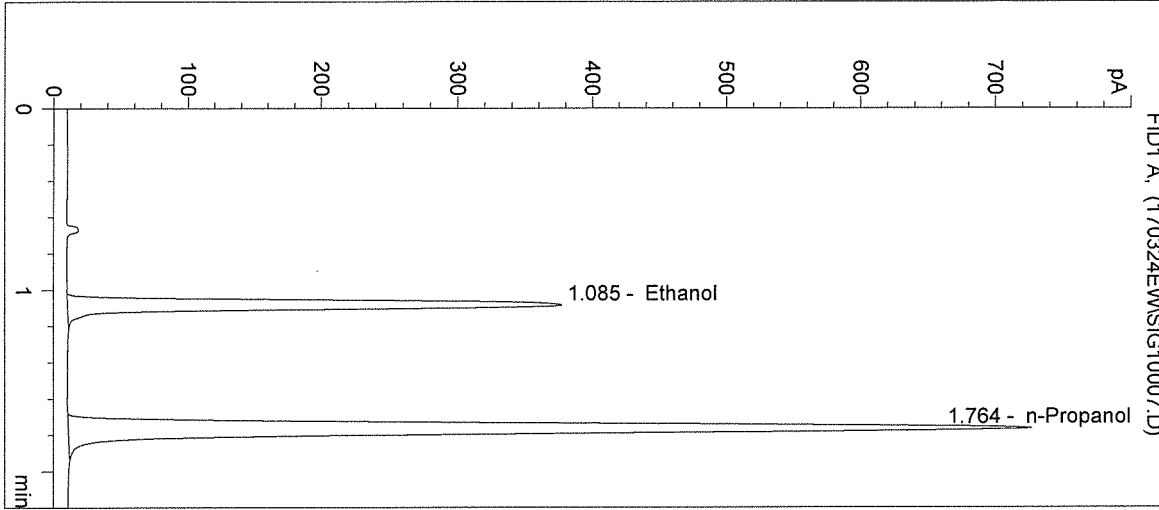
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:35:49 AM
 Instrument: HSGC#1

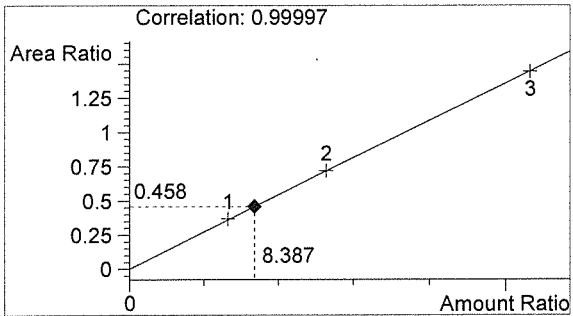
Sample Name: 0.10 CTRL
 Operator: Elizabeth Wehner
 Location: Vial 7

Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

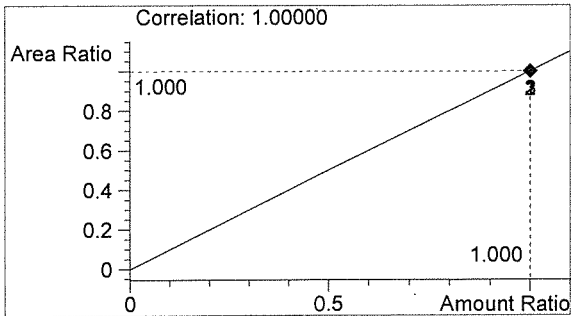


#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.085
2	n-Propanol	2693	1.764



Ethanol 0.101 g/100mL

ALW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:39:02 AM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

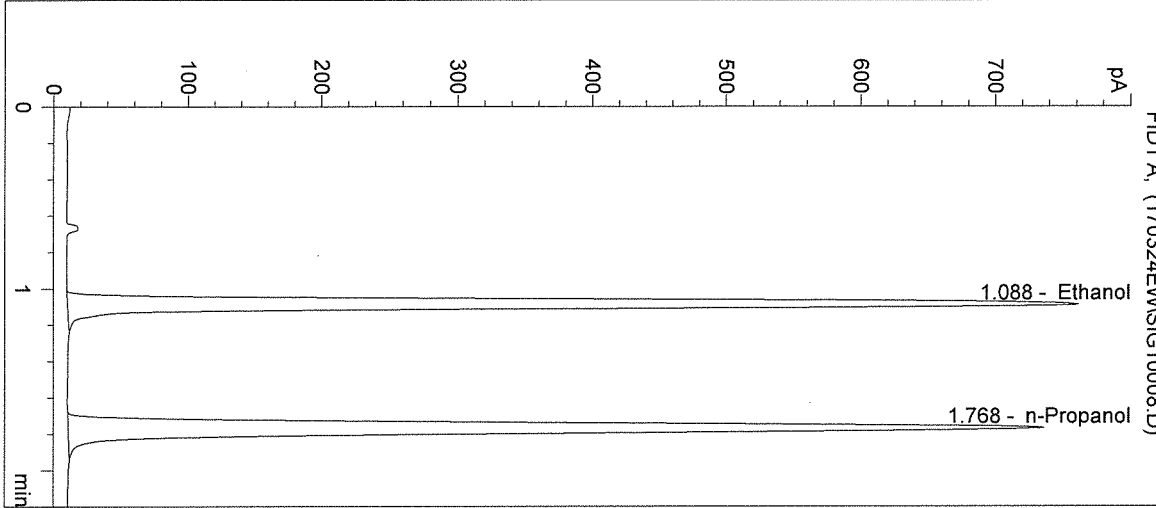
Operator: Elizabeth Wehner

Column: DB-ALC1

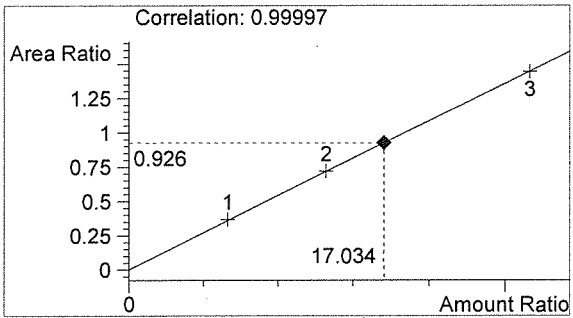
Location: Vial 8

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

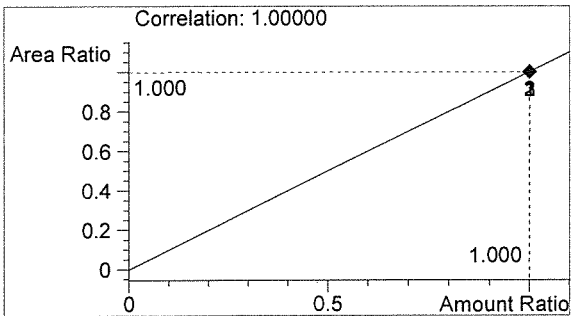


#	Compound	Peak Area	RT (min)
1	Ethanol	2541	1.088
2	n-Propanol	2743	1.768



Ethanol 0.204 g/100mL

BCW



n-Propanol 0.012 g/100mL

EW

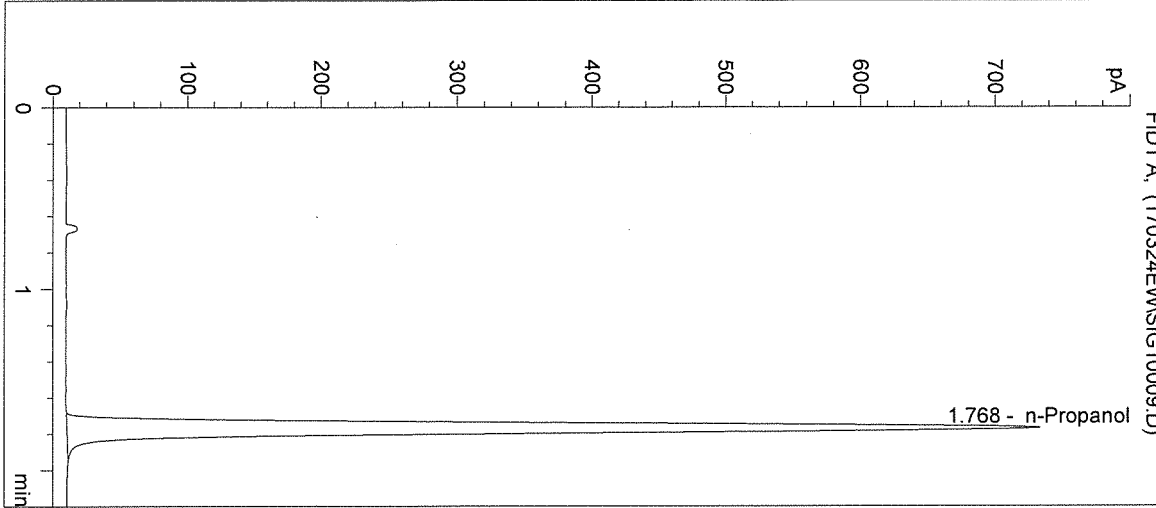
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:42:15 AM
Instrument: HSGC#1

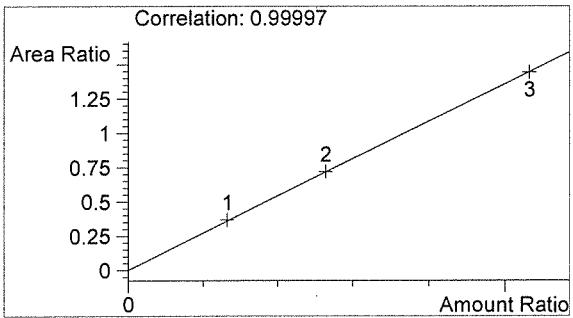
Sample Name: Negative CTRL
Operator: Elizabeth Wehner
Location: Vial 9

Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

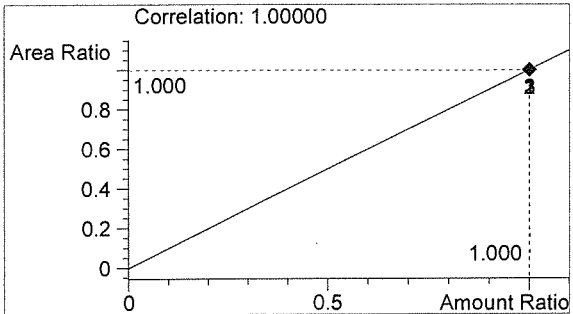


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2744	1.768



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:45:29 AM

Sample Name: 17031 #1

Instrument: HSGC#1

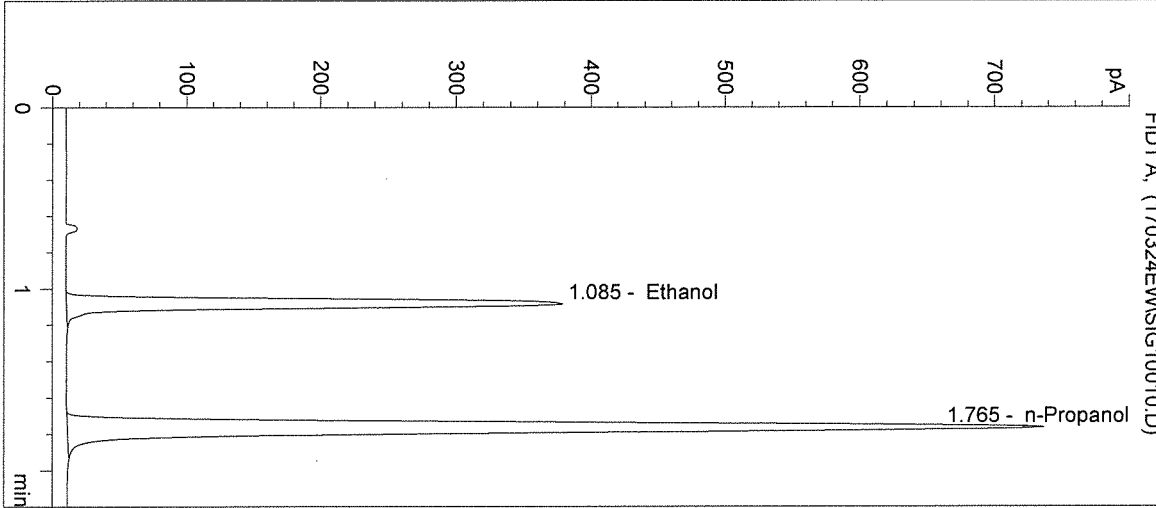
Operator: Elizabeth Wehner

Column: DB-ALC1

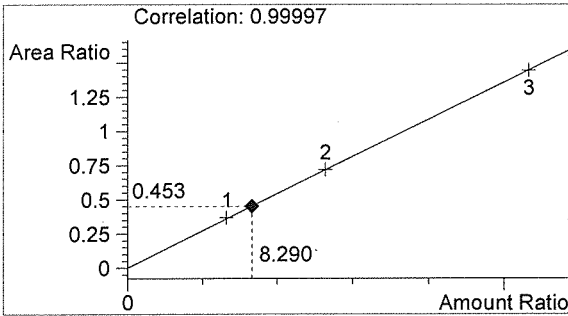
Location: Vial 10

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

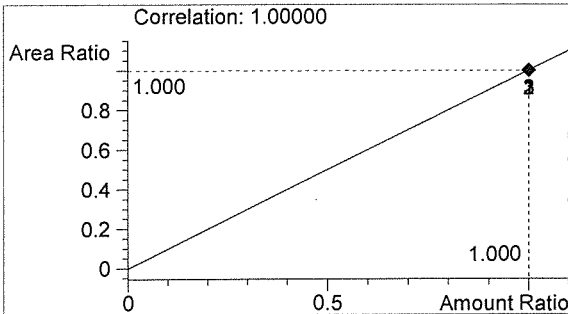


#	Compound	Peak Area	RT (min)
1	Ethanol	1235	1.085
2	n-Propanol	2727	1.765



Ethanol 0.099 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:48:43 AM

Sample Name: 17031 #2

Instrument: HSGC#1

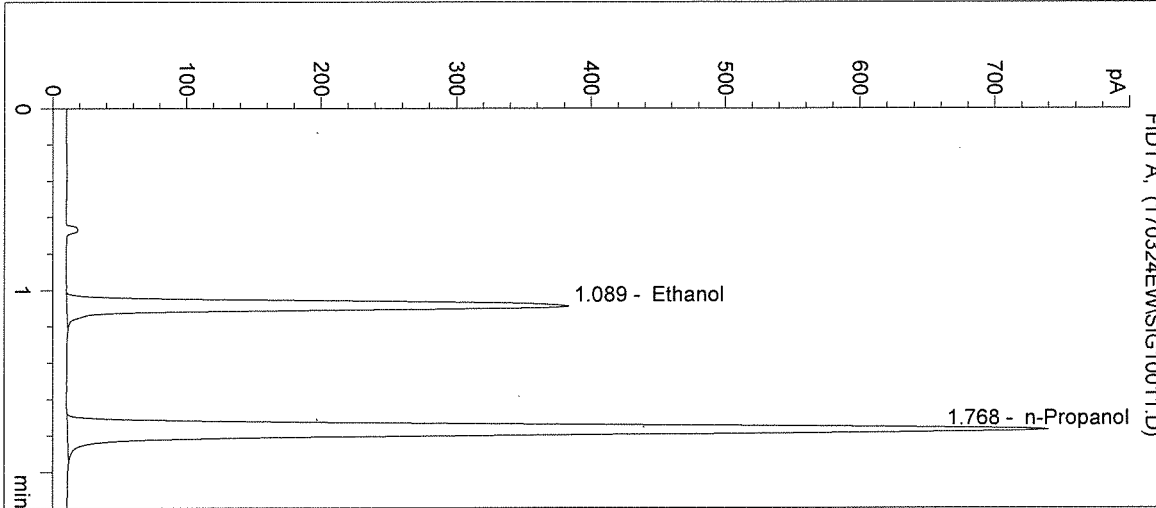
Operator: Elizabeth Wehner

Column: DB-ALC1

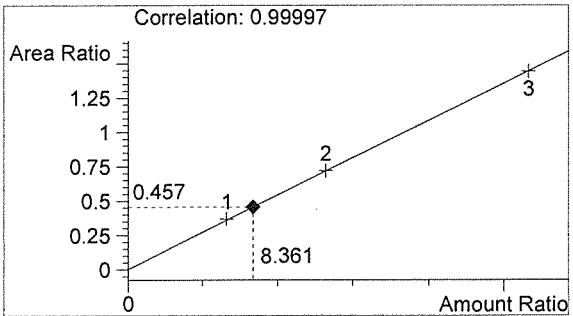
Location: Vial 11

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

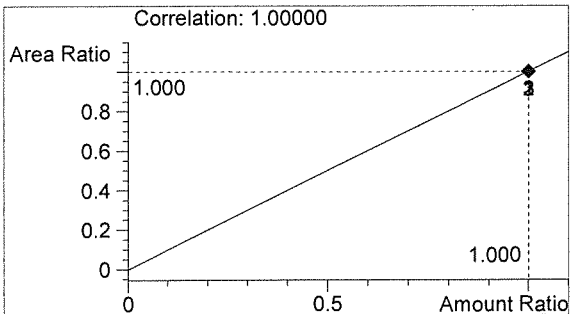


#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.089
2	n-Propanol	2759	1.768



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 10:51:54 AM

Sample Name: 17031 #3

Instrument: HSGC#1

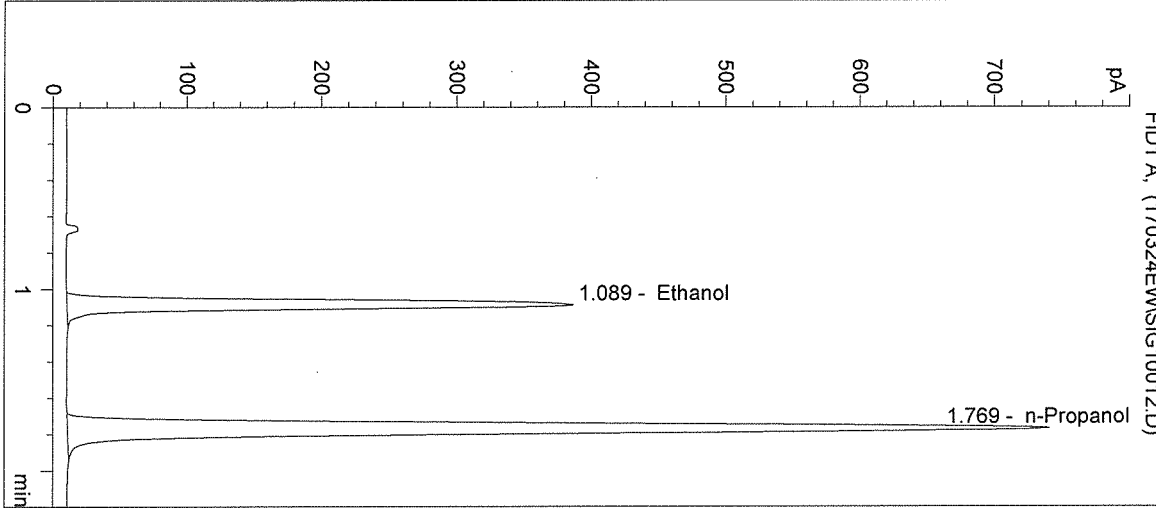
Operator: Elizabeth Wehner

Column: DB-ALC1

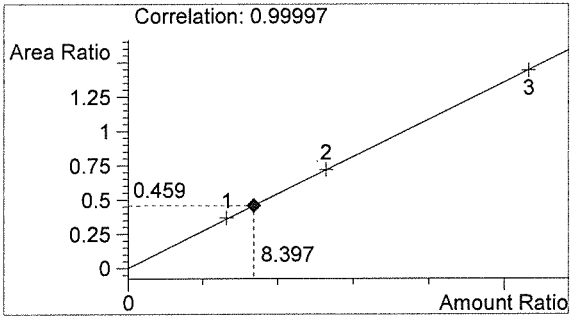
Location: Vial 12

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

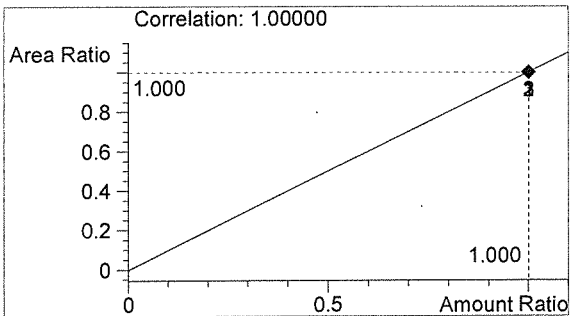


#	Compound	Peak Area	RT (min)
1	Ethanol	1273	1.089
2	n-Propanol	2775	1.769



Ethanol 0.101 g/100mL

BLW



n-Propanol 0.012 g/100mL

EW

Inj. Date: 3/24/2017 10:55:08 AM

Sample Name: 17031 #4

Instrument: HSGC#1

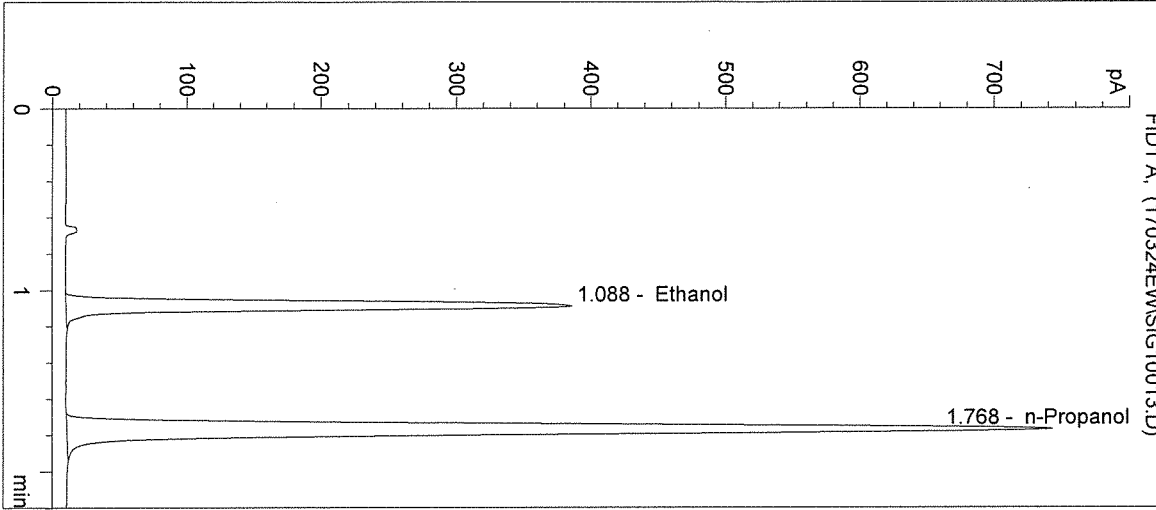
Operator: Elizabeth Wehner

Column: DB-ALC1

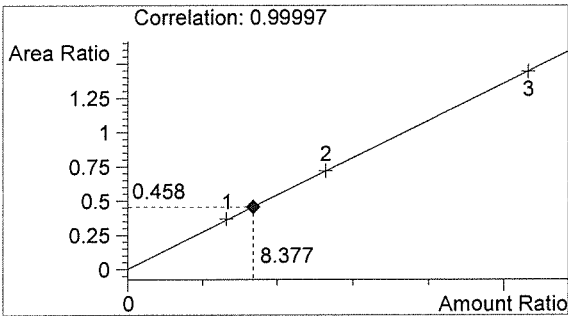
Location: Vial 13

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

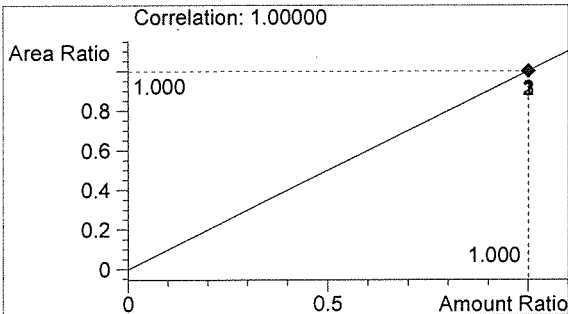


#	Compound	Peak Area	RT (min)
1	Ethanol	1269	1.088
2	n-Propanol	2772	1.768



Ethanol 0.101 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Inj. Date: 3/24/2017 10:58:21 AM

Sample Name: 17031 #5

Instrument: HSGC#1

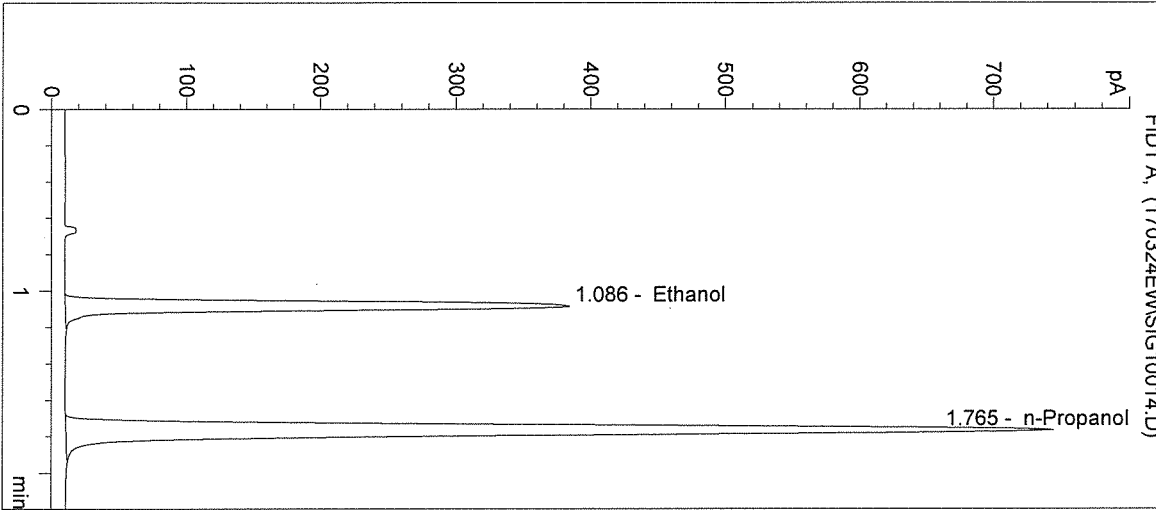
Operator: Elizabeth Wehner

Column: DB-ALC1

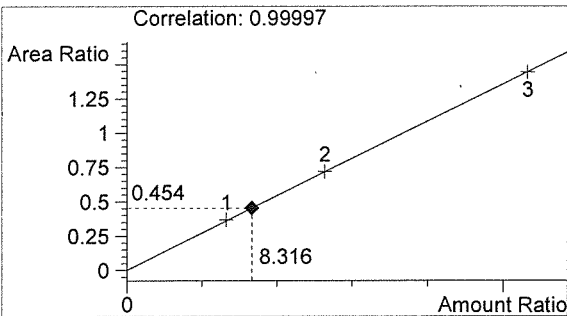
Location: Vial 14

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

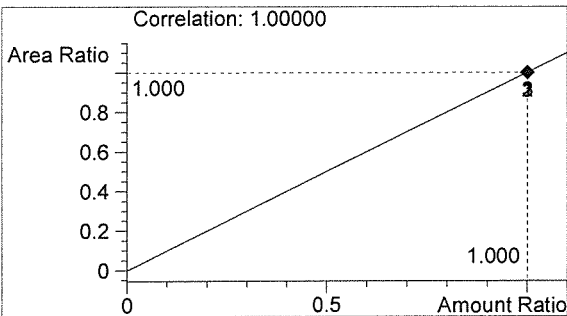


#	Compound	Peak Area	RT (min)
1	Ethanol	1251	1.086
2	n-Propanol	2753	1.765



Ethanol 0.100 g/100mL

BW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 11:01:35 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

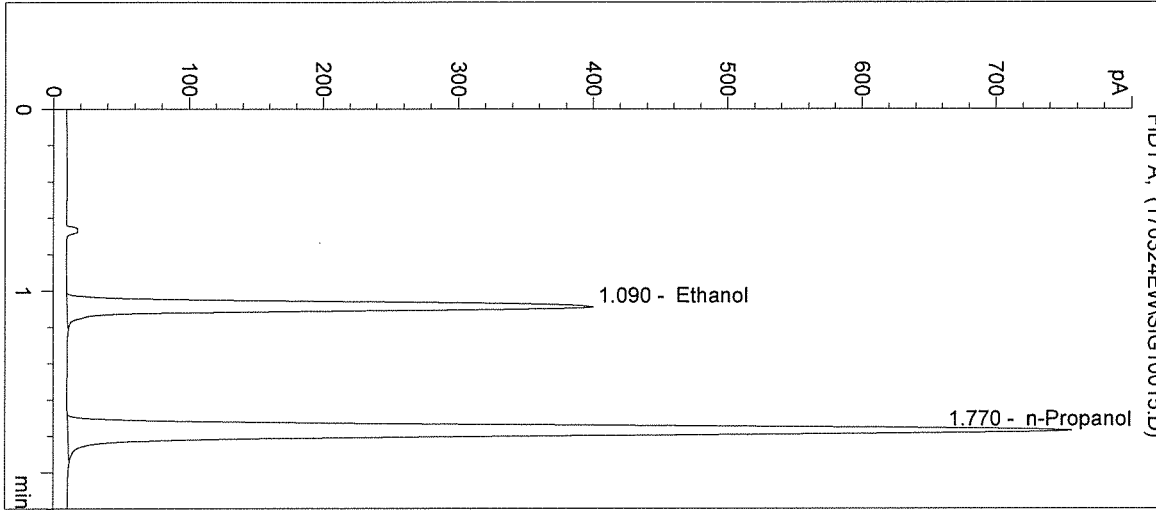
Operator: Elizabeth Wehner

Column: DB-ALC1

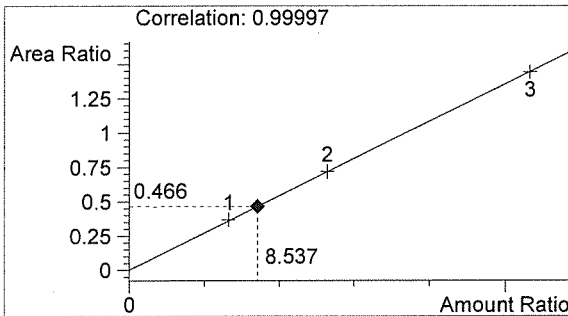
Location: Vial 15

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

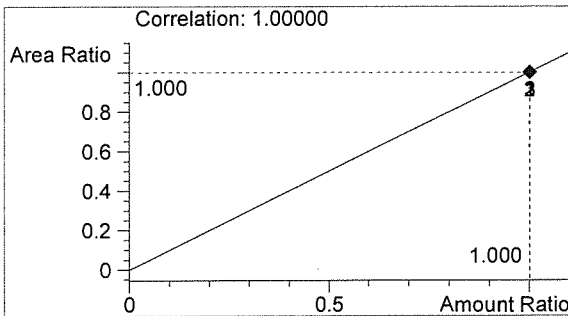


#	Compound	Peak Area	RT (min)
1	Ethanol	1323	1.090
2	n-Propanol	2838	1.770



Ethanol 0.102 g/100mL

BW



n-Propanol 0.012 g/100mL

EW

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/24/2017 11:04:48 AM

Sample Name: Negative CTRL

Instrument: HSGC#1

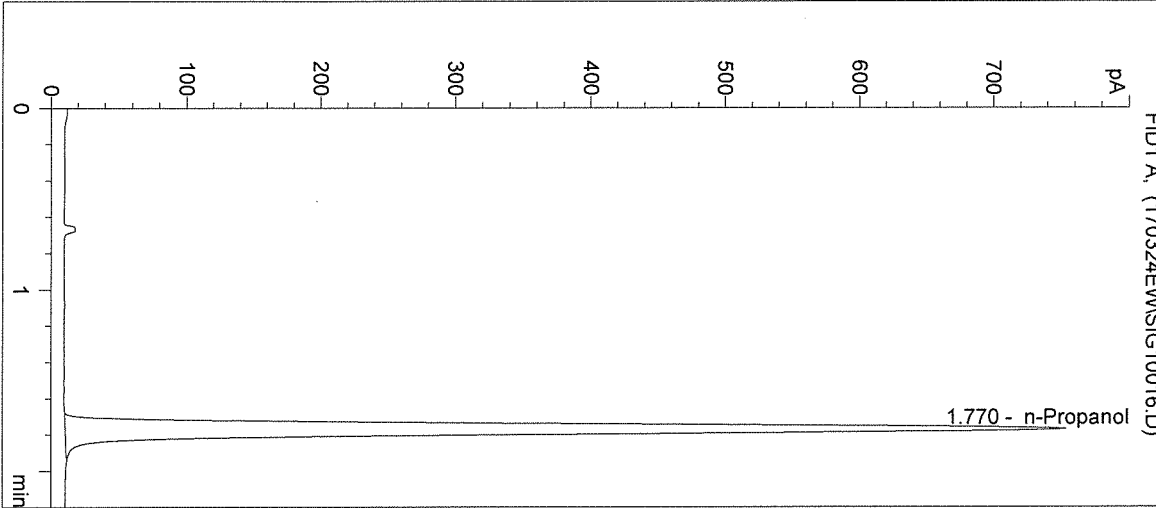
Operator: Elizabeth Wehner

Column: DB-ALC1

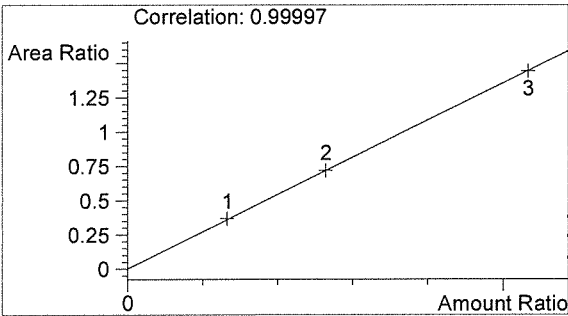
Location: Vial 16

Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17031

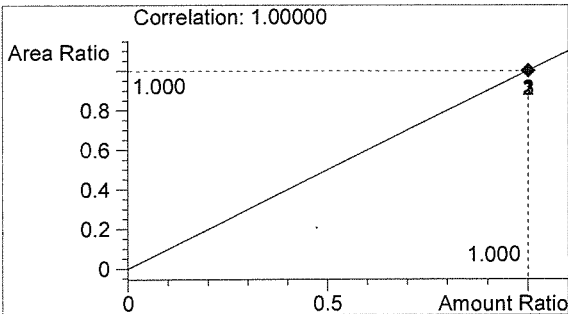


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2825	1.770



Ethanol 0.000 g/100mL

EW



n-Propanol 0.012 g/100mL

EW