



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17015

CUSTOMER INFORMATION

Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.15 g/210L
DATE PREPARED: 01/28/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Christopher S. Johnston

	CSJ	KH	AG
1	0.189	0.188	0.189
2	0.189	0.184	0.189
3	0.190	0.187	0.188
4	0.189	0.188	0.189
5	0.190	0.185	0.190
C	0.103	0.100	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1883 g/100mL PRECISION CV (%): 0.93
STANDARD DEVIATION: 0.00175 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1531 g/210L**
EXPANDED UNCERTAINTY: ± 0.0042 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly

Brianne E. O'Reilly Technical Lead

3.6.2017
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CSJ	Christopher S. Johnston	<i>Chris Johnston</i>	02/02/2017
KH	Katie Harris	<i>Katie Harris</i>	01/28/2017
AG	Andrew Gingras	<i>Andrew Gingras</i>	02/02/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 3-13-17
Location: WSP-FLSB Seattle, WA Solution Batch Number: 17015

	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: 3-13-17

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

QAP Solution Batch #: 17015

Date Prepared: 1/28/2017

Analyst:	CSJ	KH	AG
Date Tested:	2/2/2017	1/28/2017	2/2/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.189	0.188	0.189
2	0.189	0.184	0.189
3	0.190	0.187	0.188
4	0.189	0.188	0.189
5	0.190	0.185	0.190
C	0.103	0.100	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000057500	0.0000752486	0.0001016326

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

Average Solution Concentration: 0.1883 g/100mL
Standard Deviation: 0.00175 g/100mL
Precision CV (%): 0.93
Equivalent Vapor Concentration: 0.1531 g/210L
Combined Standard Uncertainty (\pm): 0.0021 g/210L
Expanded Uncertainty (\pm): 0.0042 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 3-1-17
Name Signature Date

Calculations verified by: Amanda H. Black AH Black 3-13-17
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 3-1-17
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		
Andrew Gingras	AG	3/3/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston	U	3/3/17
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris	KH	3/3/17
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

17015

Batch # BU03-1-17

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17015**

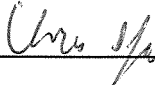
I, Christopher S. Johnston, do certify under penalty of perjury that:

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 and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17015, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA



Christopher S. Johnston 3/3/2017
Forensic Toxicologist 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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17015**

I, Katie Harris, 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 in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17015, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA

Katie Harris 3/3/17

Katie Harris

Date

Forensic Scientist



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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17015**

I, Andrew Gingras, 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 Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17015, was prepared in the Washington State Toxicology Laboratory on 1/28/2017. 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 1/28/2018.

Seattle, WA

 3/3/2017

Andrew Gingras
Forensic Scientist

Date

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

Preparation Date: 1/28/2017 Expiration Date: 1/28/2018 Initials of Preparer: CJ

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

Date the 200-proof Ethanol bottle was opened: 1/7/2017

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 type="checkbox"/>	_____
QAP 0.10	28.1	18	<input type="checkbox"/>	_____
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17015</u>
^{0.15} QAP 0.20	^{42.1} 56.1	18	<input checked="" type="checkbox"/>	<u>17016</u>
_{CJ 1/28/17}	_{CJ 1/28/17}			
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

1/28/2017
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:

Chr [Signature]
Analyst Signature

1/28/2017
Date

17015
BCW 3-1-17

Sequence Parameters:

Operator: Chris Johnston
 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: 170202CJ
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0117 - X: 04/20/17

 Calibration vials 1-9 filed with 17015

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17015
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Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17015
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 Calibration Table
 =====

Calib. Data Modified : Thursday, February 02, 2017 4:27:34 PM

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 Name
 # [g/100mL]

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
1.083	1 1	8.00100e-2	981.28955	8.15356e-5	1	Ethanol
		2 1.61200e-1	1910.76648	8.43641e-5		
		3 3.21790e-1	3809.21094	8.44768e-5		
1.761	1 1	1.20000e-2	2888.31250	4.15468e-6	I1	n-Propanol
		2 1.20000e-2	2838.55151	4.22751e-6		
		3 1.20000e-2	2845.31812	4.21745e-6		

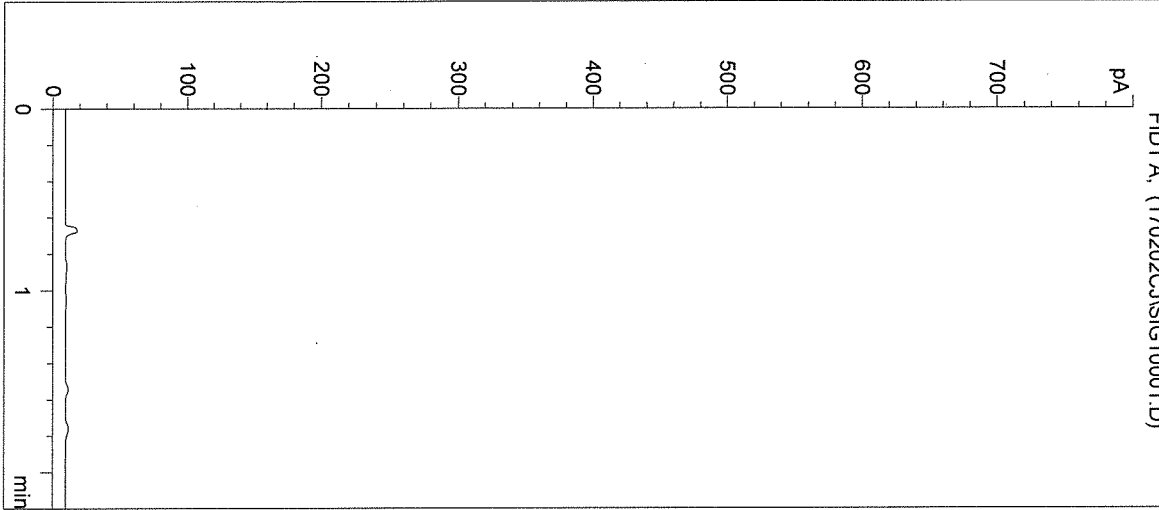
17015
 RW 3-1-17

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

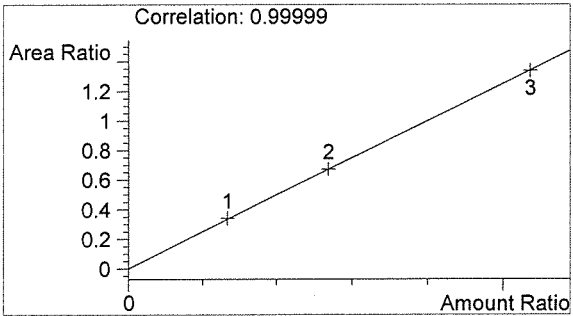
No Entries in table
 =====

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

Inj. Date: 2/2/2017 4:15:28 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Chris Johnston
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17015

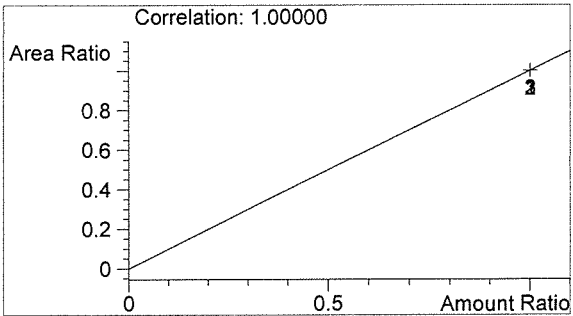


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

PLW



n-Propanol 0.000 g/100mL

W

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

Inj. Date: 2/2/2017 4:18:47 PM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#1

Operator: Chris Johnston

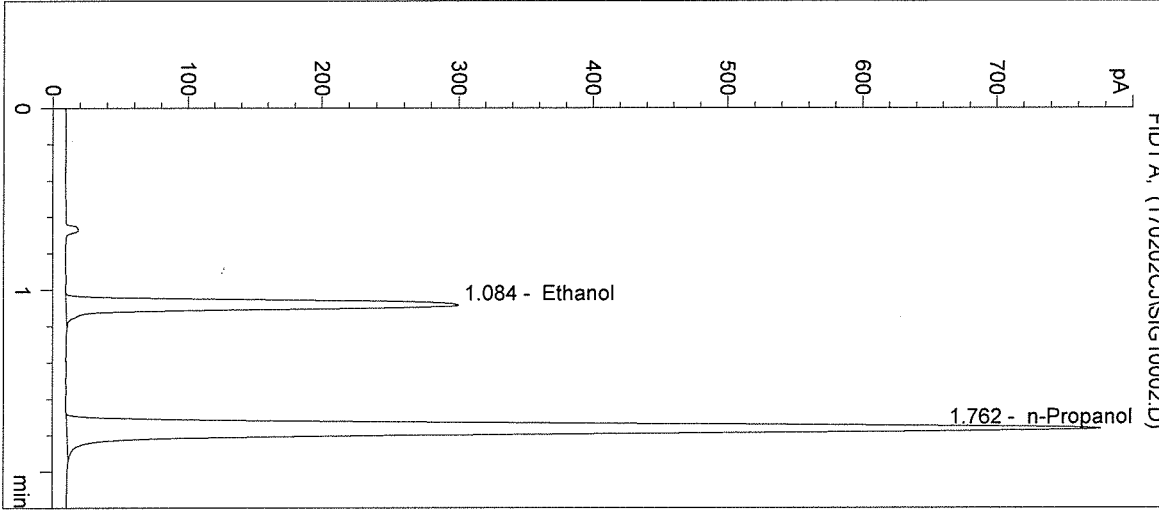
Column: DB-ALC1

Location: Vial 2

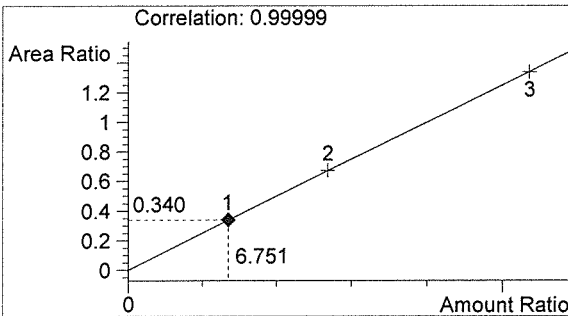
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CAL 1: 0.079 g/100mL
 17015

->

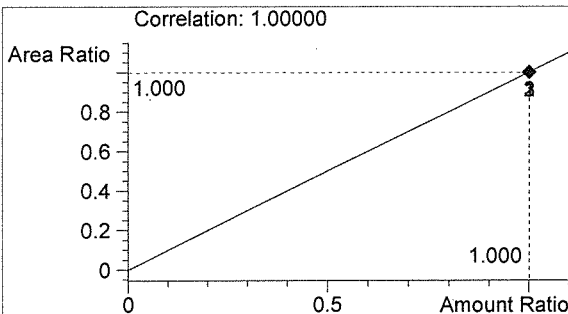


#	Compound	Peak Area	RT (min)
1	Ethanol	981	1.084
2	n-Propanol	2888	1.762



Ethanol 0.081 g/100mL

BCO



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:22:04 PM

Sample Name: CAL 2 (0.158)

Instrument: HSGC#1

Operator: Chris Johnston

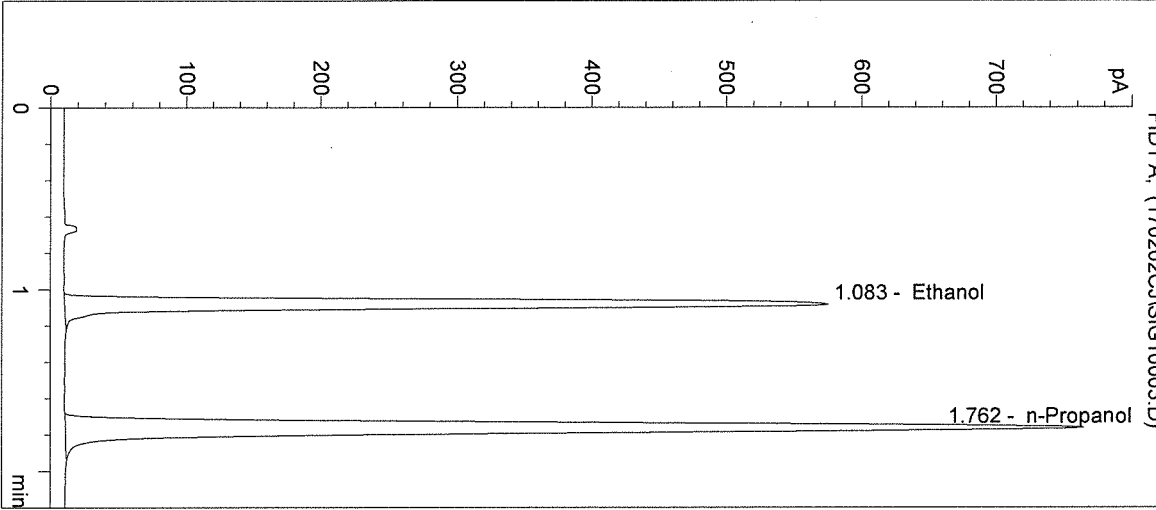
Column: DB-ALC1

Location: Vial 3

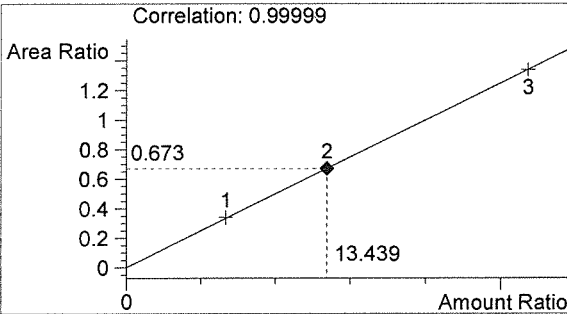
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CAL 2: 0.158 g/100mL
 17015

- >

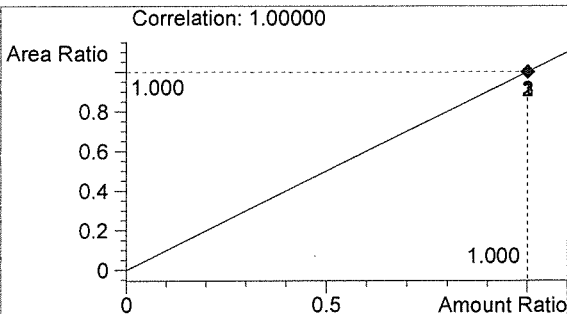


#	Compound	Peak Area	RT (min)
1	Ethanol	1911	1.083
2	n-Propanol	2839	1.762



Ethanol 0.161 g/100mL

AWO



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:25:21 PM

Sample Name: CAL 3 (0.316)

Instrument: HSGC#1

Operator: Chris Johnston

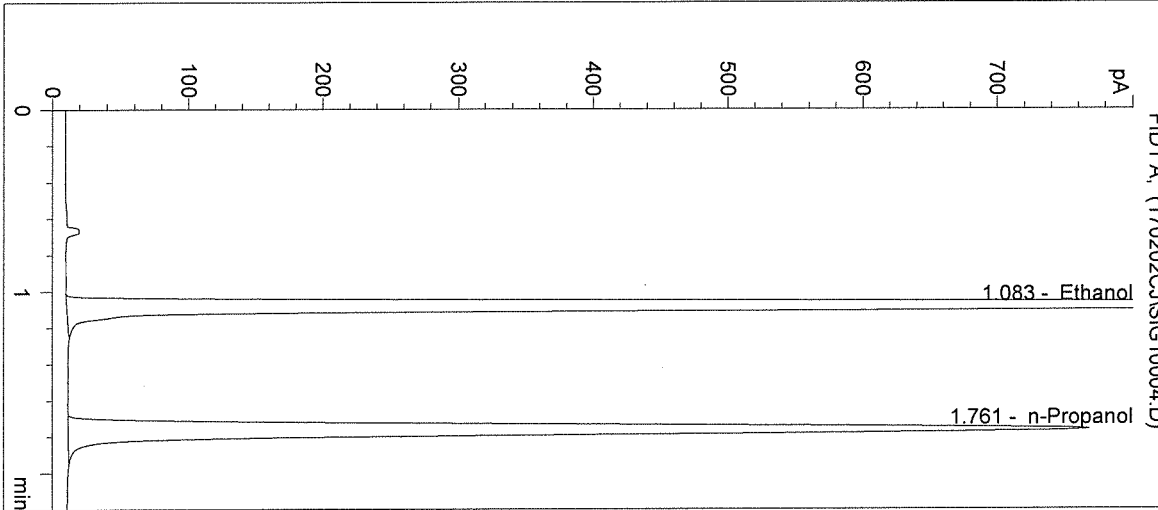
Column: DB-ALC1

Location: Vial 4

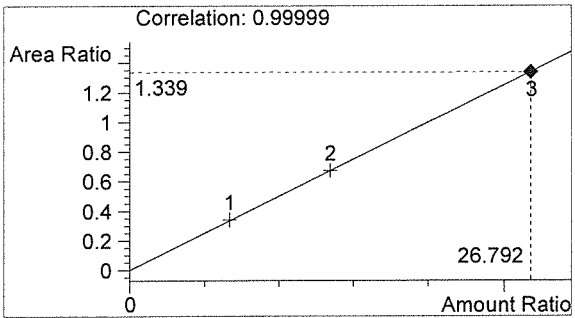
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CAL 3: 0.316 g/100mL
 17015

->

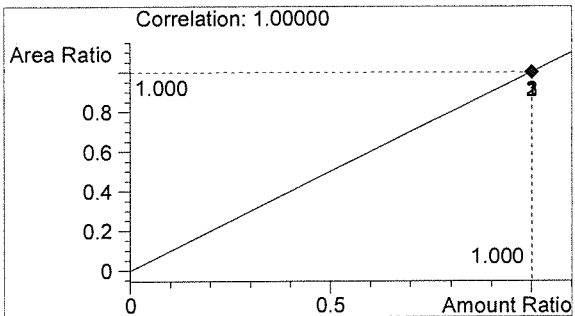


#	Compound	Peak Area	RT (min)
1	Ethanol	3809	1.083
2	n-Propanol	2845	1.761



Ethanol 0.322 g/100mL

BW



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 4:28:34 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

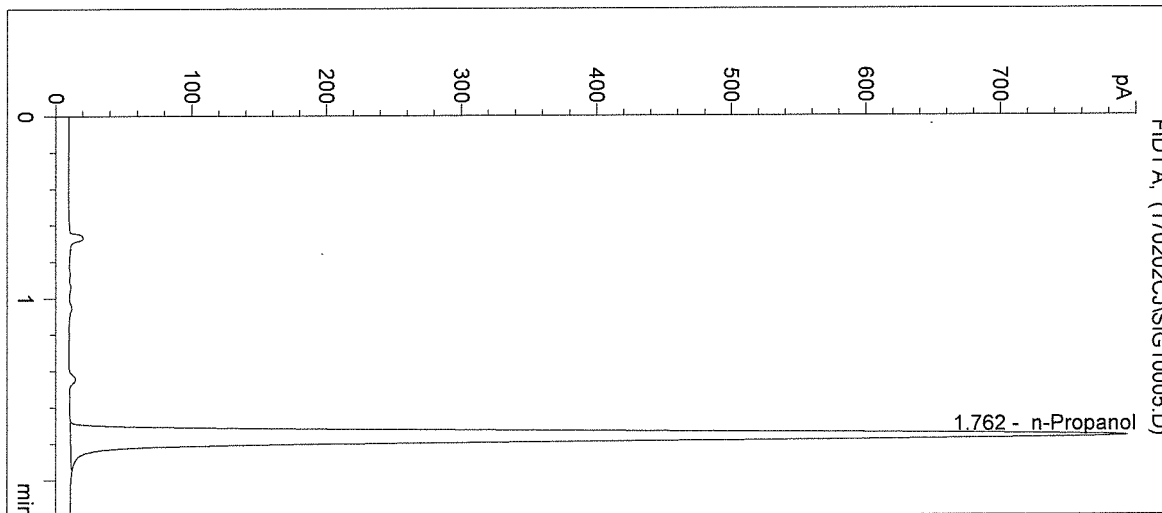
Operator: Chris Johnston

Column: DB-ALC1

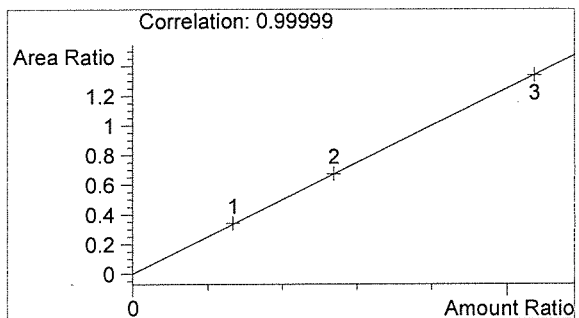
Location: Vial 5

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

Sample Info: 17015

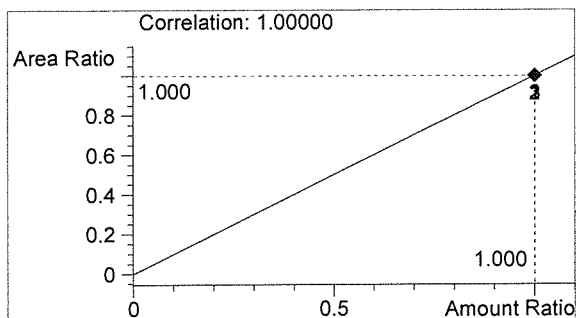


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2953	1.762



Ethanol 0.000 g/100mL

Buo



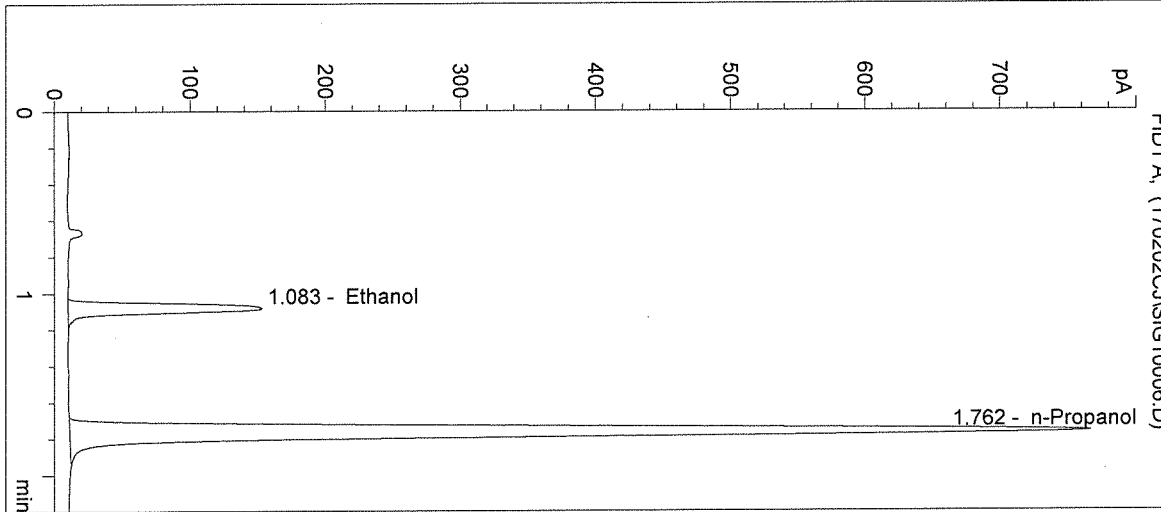
n-Propanol 0.012 g/100mL

W

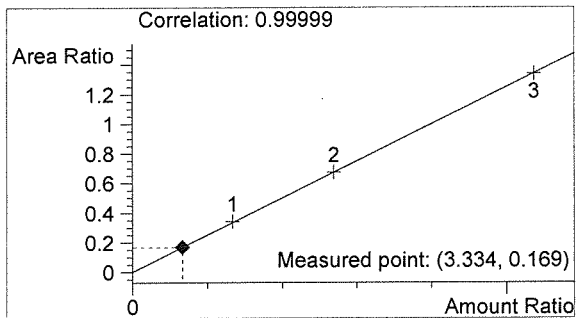
Inj. Date: 2/2/2017 4:31:48 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 17015

Sample Name: CTRL 1 (0.04)
 Operator: Chris Johnston
 Location: Vial 6

->

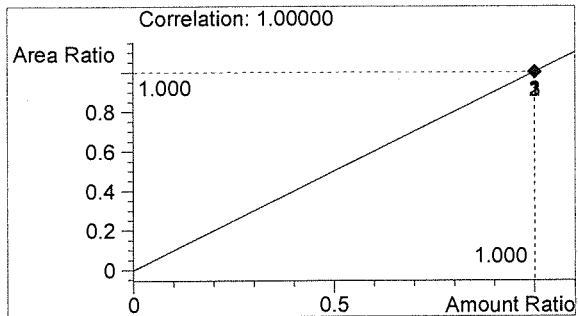


#	Compound	Peak Area	RT (min)
1	Ethanol	483	1.083
2	n-Propanol	2850	1.762



Ethanol 0.040 g/100mL

BW



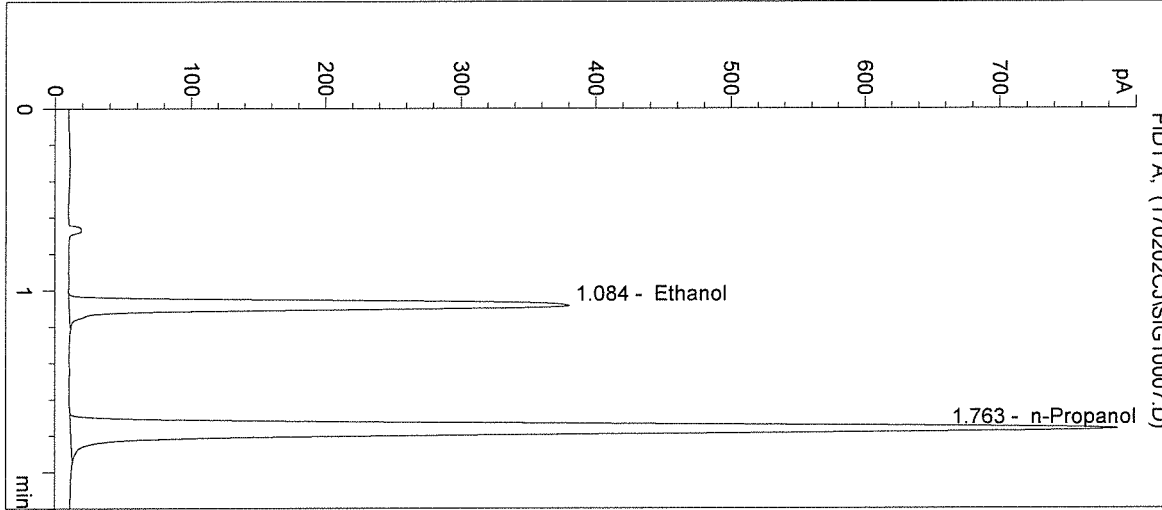
n-Propanol 0.012 g/100mL

W

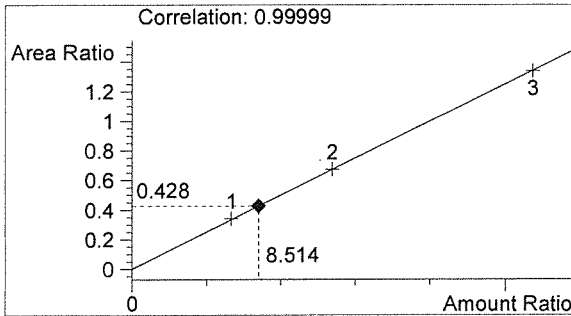
Inj. Date: 2/2/2017 4:35:01 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 2: 0.10 g/100mL
 17015

Sample Name: CTRL 2 (0.10)
 Operator: Chris Johnston
 Location: Vial 7

->

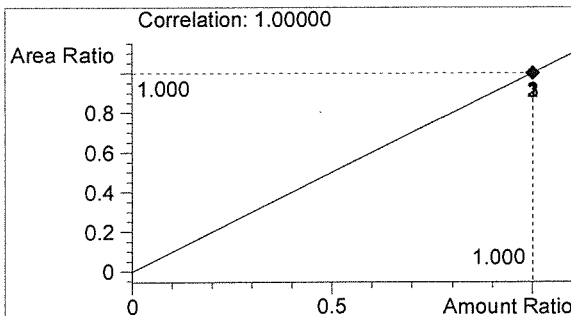


#	Compound	Peak Area	RT (min)
1	Ethanol	1252	1.084
2	n-Propanol	2927	1.763



Ethanol 0.102 g/100mL

PLU



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:38:14 PM

Sample Name: CTRL 3 (0.20)

Instrument: HSGC#1

Operator: Chris Johnston

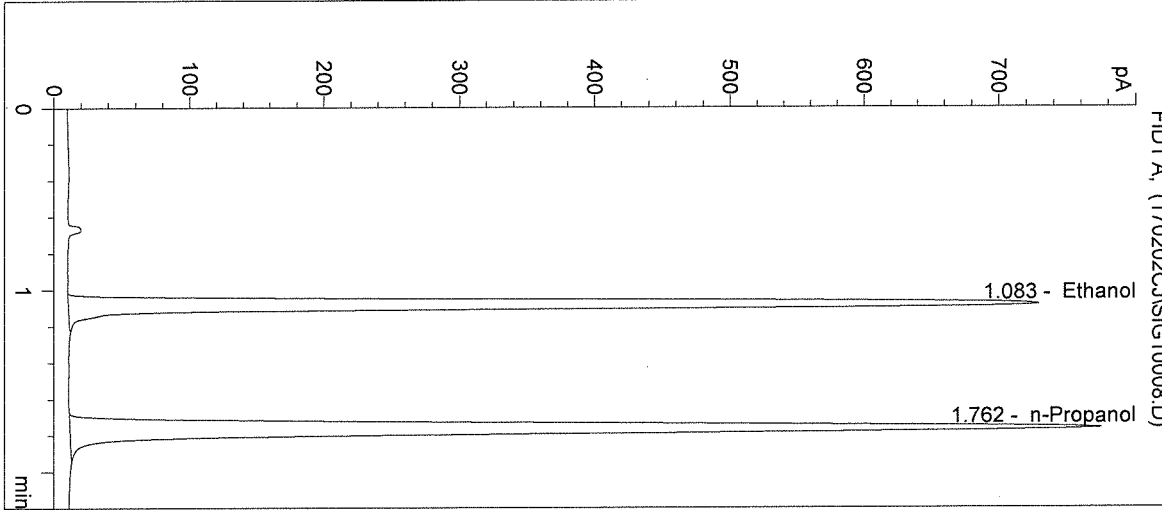
Column: DB-ALC1

Location: Vial 8

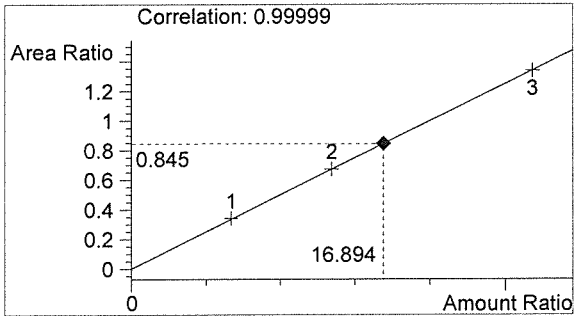
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CTRL 3: 0.20 g/100mL
 17015

->

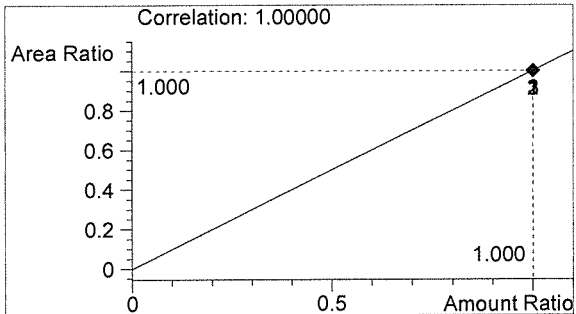


#	Compound	Peak Area	RT (min)
1	Ethanol	2430	1.083
2	n-Propanol	2874	1.762



Ethanol 0.203 g/100mL

PLW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:41:28 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

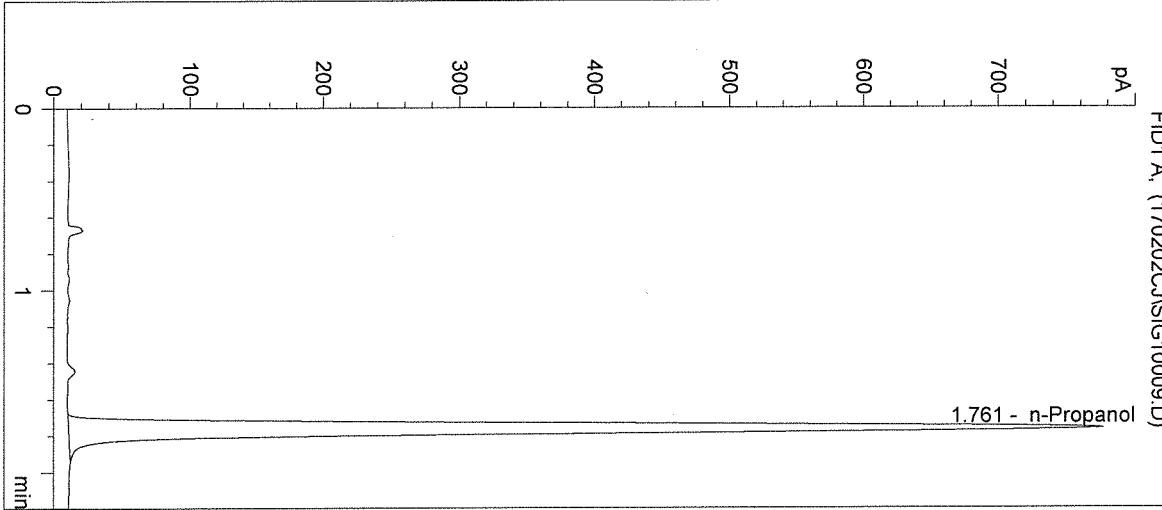
Operator: Chris Johnston

Column: DB-ALC1

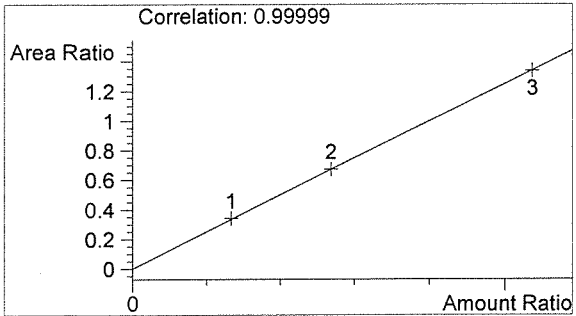
Location: Vial 9

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

Sample Info: 17015

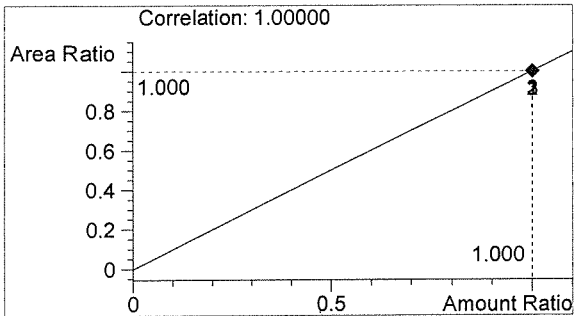


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2880	1.761



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:44:41 PM

Sample Name: 17015 #1

Instrument: HSGC#1

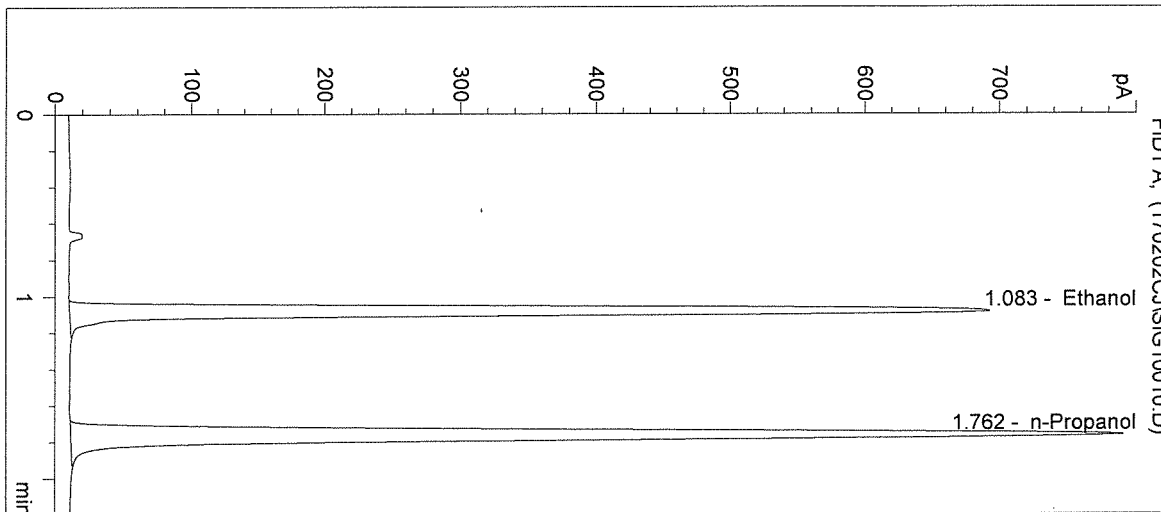
Operator: Chris Johnston

Column: DB-ALC1

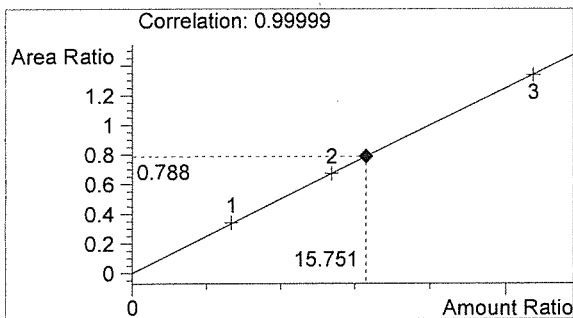
Location: Vial 10

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

Sample Info:

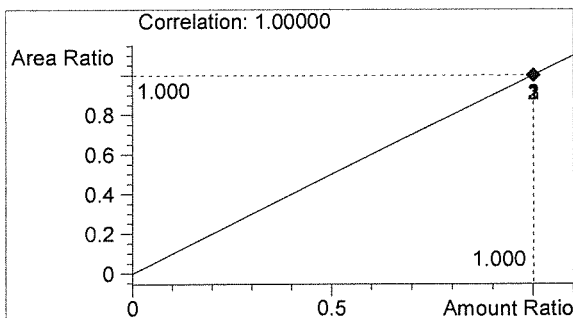


#	Compound	Peak Area	RT (min)
1	Ethanol	2311	1.083
2	n-Propanol	2931	1.762



Ethanol 0.189 g/100mL

BLW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:47:54 PM

Sample Name: 17015 #2

Instrument: HSGC#1

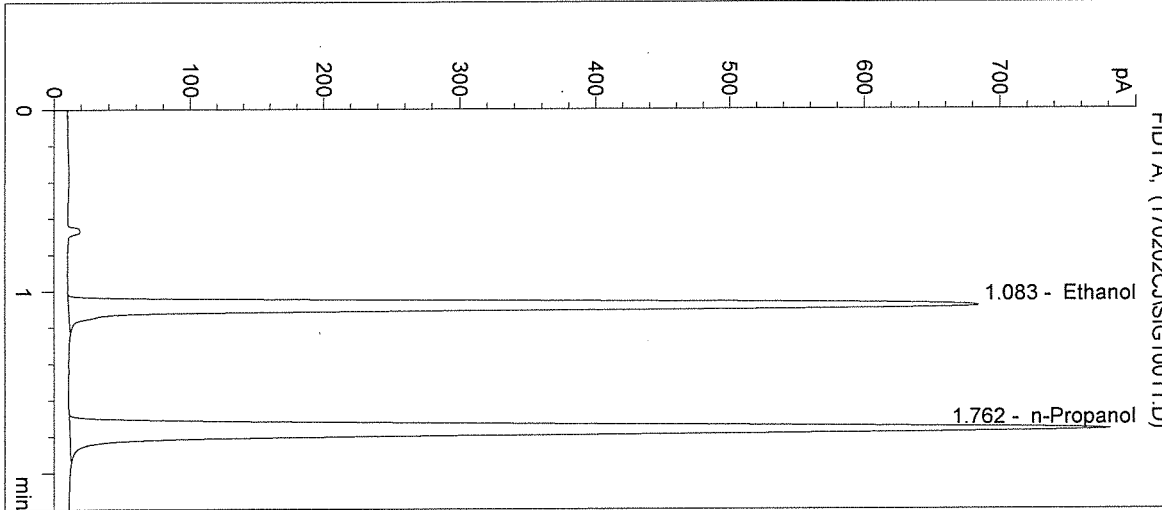
Operator: Chris Johnston

Column: DB-ALC1

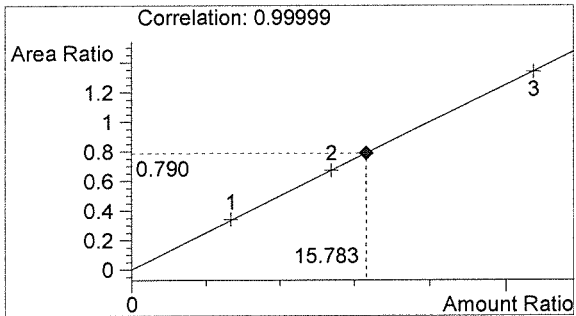
Location: Vial 11

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

Sample Info:

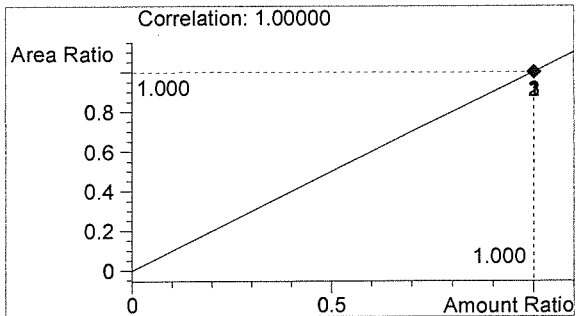


#	Compound	Peak Area	RT (min)
1	Ethanol	2287	1.083
2	n-Propanol	2895	1.762



Ethanol 0.189 g/100mL

RAW



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:51:07 PM

Sample Name: 17015 #3

Instrument: HSGC#1

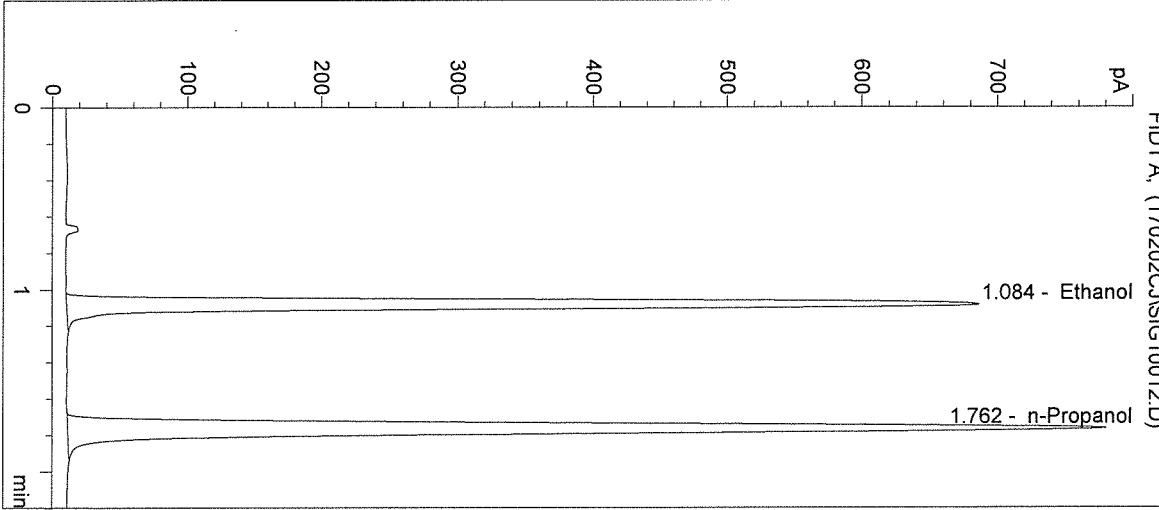
Operator: Chris Johnston

Column: DB-ALC1

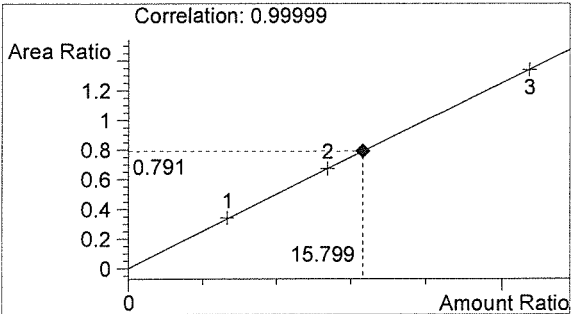
Location: Vial 12

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

Sample Info:

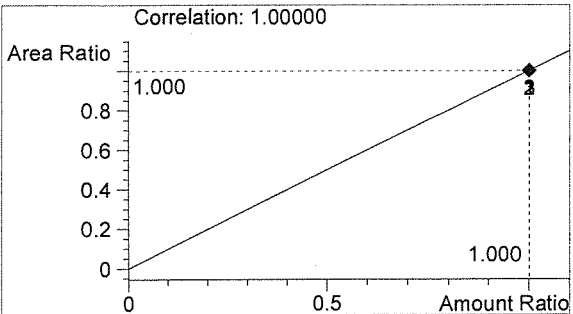


#	Compound	Peak Area	RT (min)
1	Ethanol	2283	1.084
2	n-Propanol	2887	1.762



Ethanol 0.190 g/100mL

AWD



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:54:21 PM

Sample Name: 17015 #4

Instrument: HSGC#1

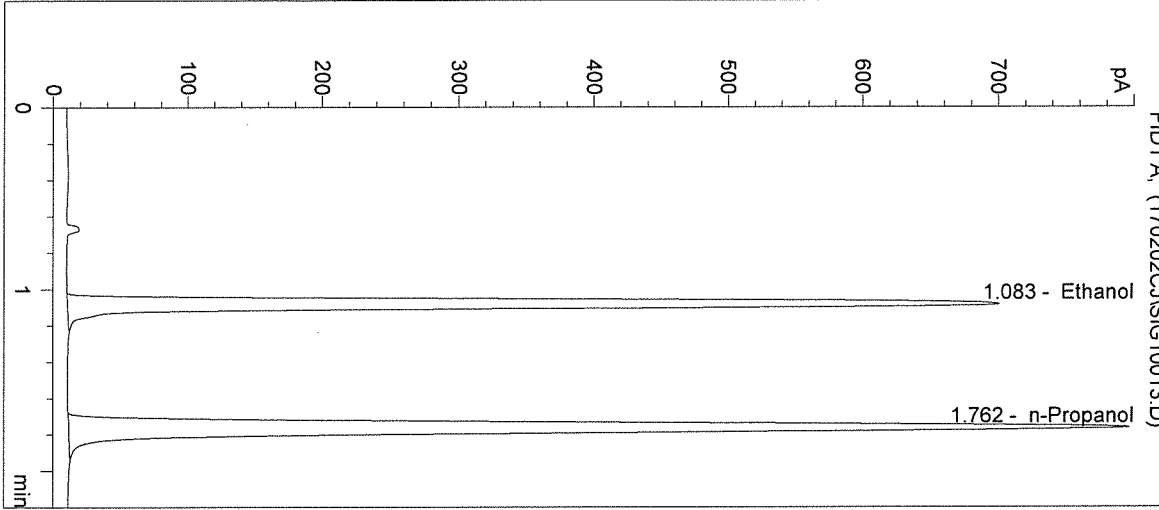
Operator: Chris Johnston

Column: DB-ALC1

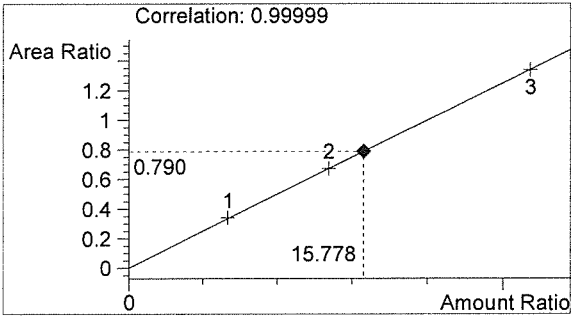
Location: Vial 13

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

Sample Info:

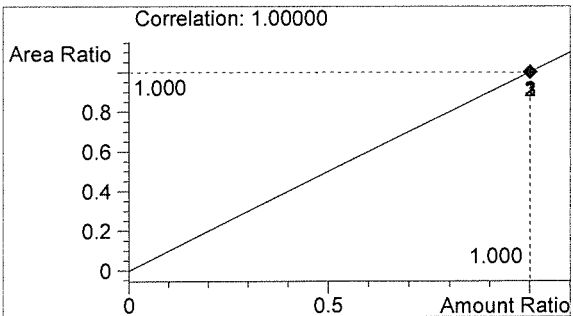


#	Compound	Peak Area	RT (min)
1	Ethanol	2334	1.083
2	n-Propanol	2955	1.762



Ethanol 0.189 g/100mL

PKU



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 2/2/2017 4:57:34 PM

Sample Name: 17015 #5

Instrument: HSGC#1

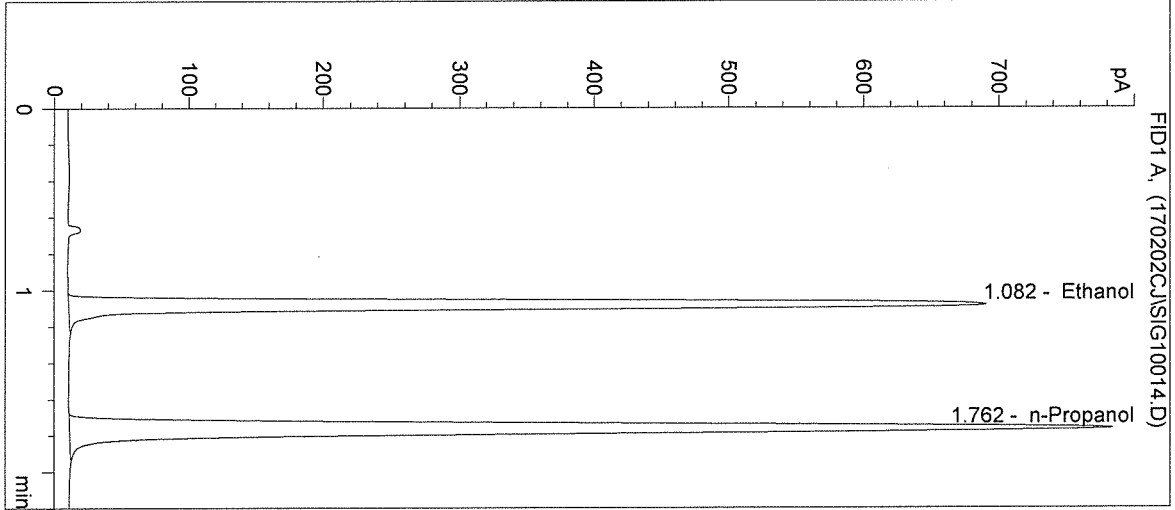
Operator: Chris Johnston

Column: DB-ALC1

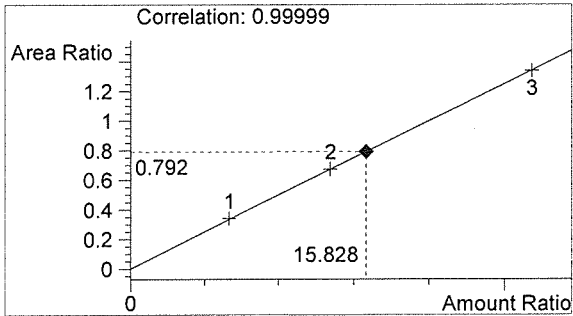
Location: Vial 14

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

Sample Info:

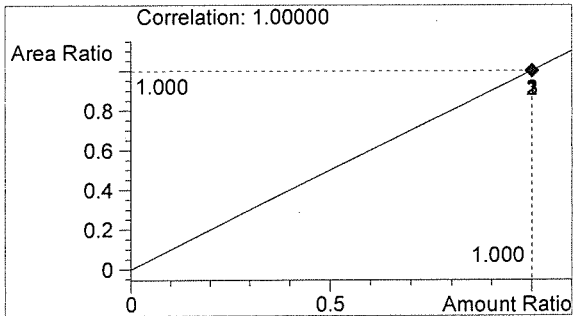


#	Compound	Peak Area	RT (min)
1	Ethanol	2302	1.082
2	n-Propanol	2905	1.762



Ethanol 0.190 g/100mL

AW



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 5:00:47 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

Operator: Chris Johnston

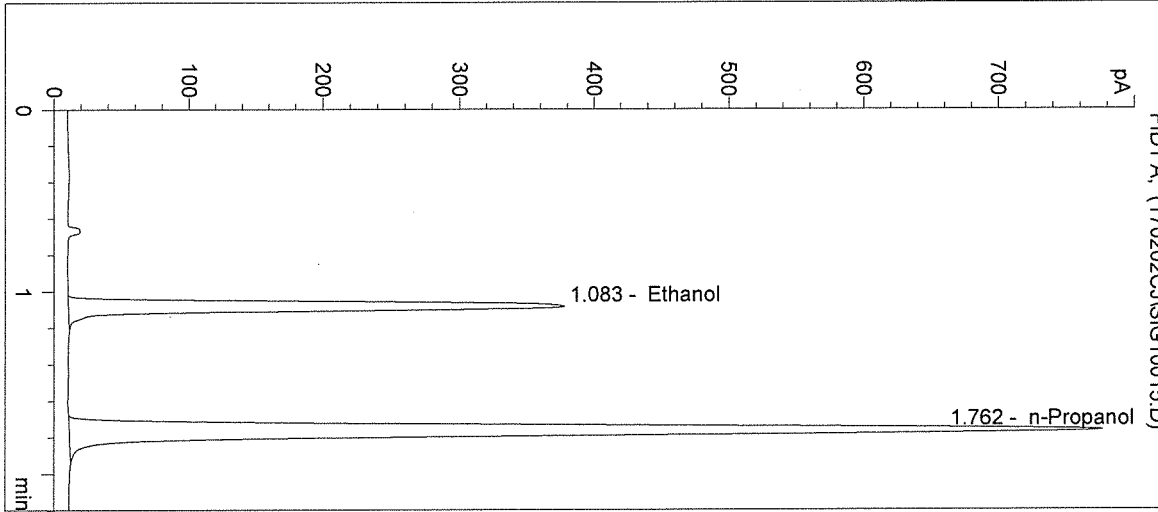
Column: DB-ALC1

Location: Vial 15

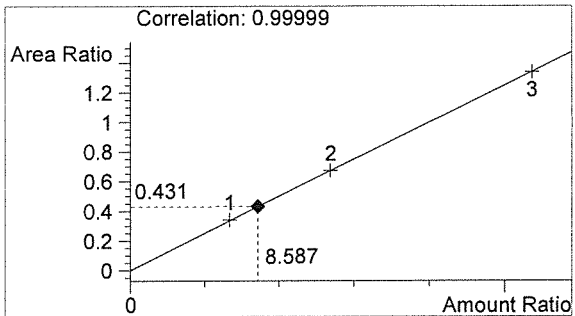
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: POS CTRL: 0.10 g/100mL
 17015

->

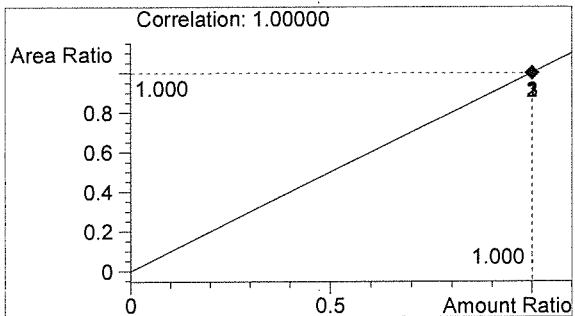


#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.083
2	n-Propanol	2885	1.762



Ethanol 0.103 g/100mL

AWD



n-Propanol 0.012 g/100mL

W

Inj. Date: 2/2/2017 5:04:01 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

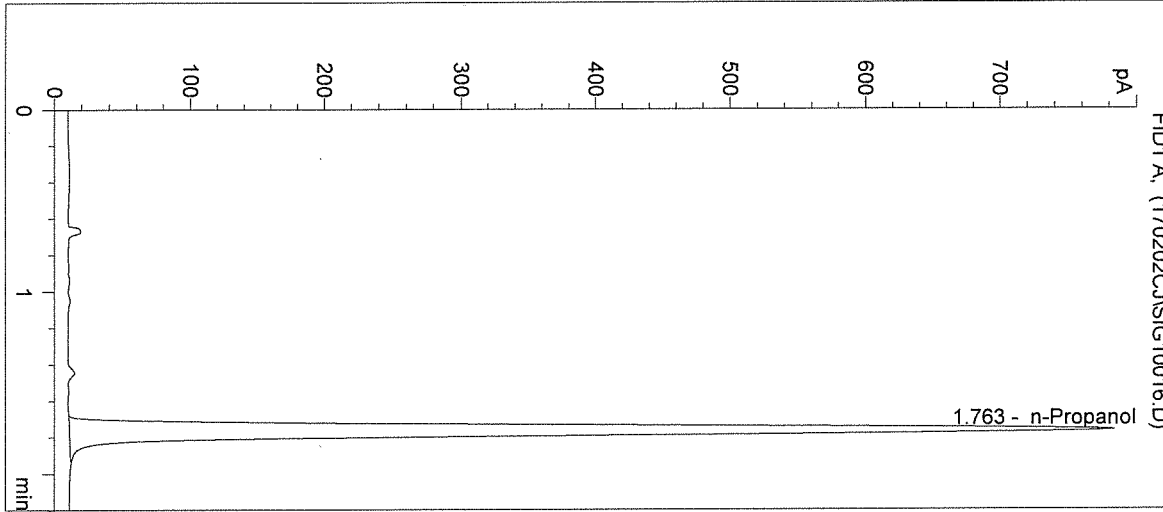
Operator: Chris Johnston

Column: DB-ALC1

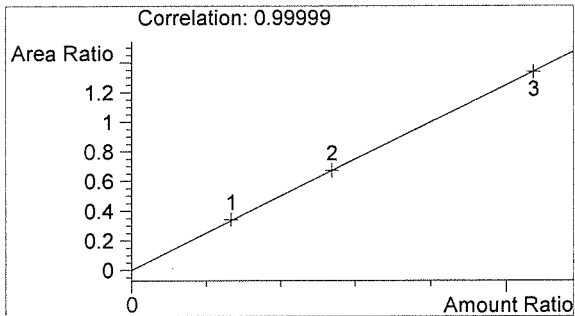
Location: Vial 16

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

Sample Info: 17015

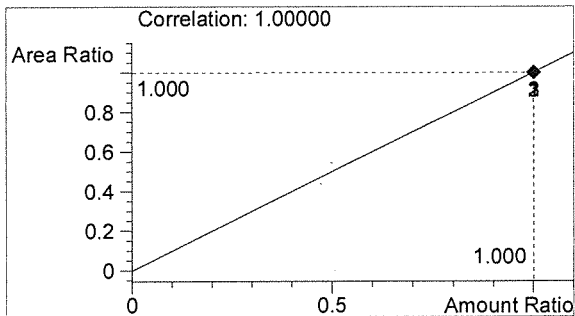


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2913	1.763



Ethanol 0.000 g/100mL

ALCO



n-Propanol 0.012 g/100mL

W

Sequence Parameters:

Operator: Katie Harris
 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: 170128KH
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0117 - X: 04/20/17

 Calibration vials 1-9 filed with 17015

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17015
 Run 3-1-17

KH

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17015
Buo 3-1-17

KH

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

Calib. Data Modified : Saturday, January 28, 2017 11:39:20 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	8.00100e-2	1018.75342	7.85372e-5	1 Ethanol
		1.61200e-1	1959.78247	8.22540e-5	
		3.21790e-1	4348.37256	7.40024e-5	
1.766	1 1	1.20000e-2	2948.03198	4.07051e-6	I1 n-Propanol
		1.20000e-2	2839.91382	4.22548e-6	
		1.20000e-2	3095.71533	3.87633e-6	

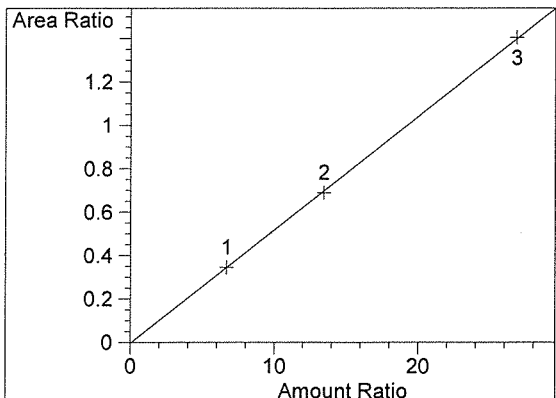
=====
Peak Sum Table
=====

No Entries in table
=====

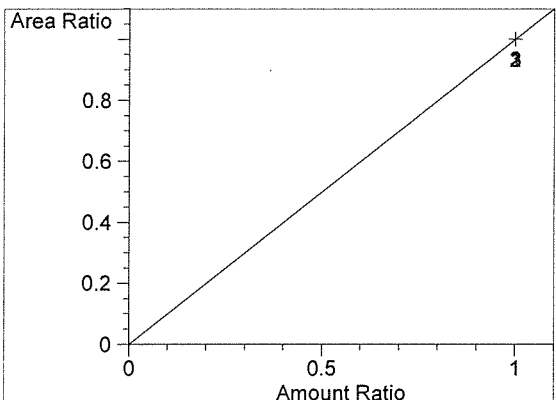
17015
PWO 3-1-17

KH

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



Ethanol at exp. RT: 1.088
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00785
Formula: $y = mx + b$
m: 5.23697e-2
b: -4.17800e-3
x: Amount Ratio
y: Area Ratio



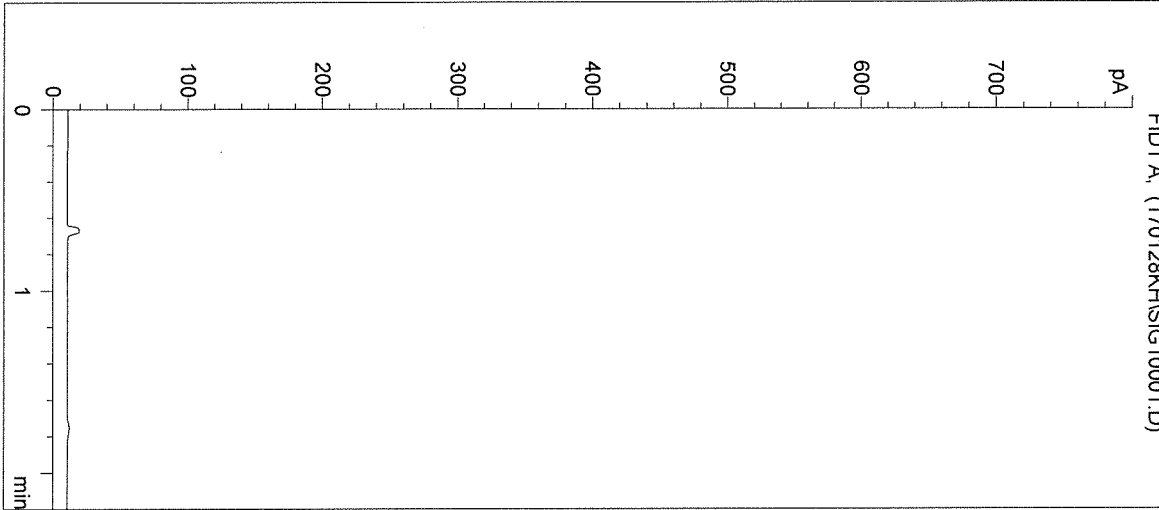
n-Propanol at exp. RT: 1.766
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17015
BUO 3:17

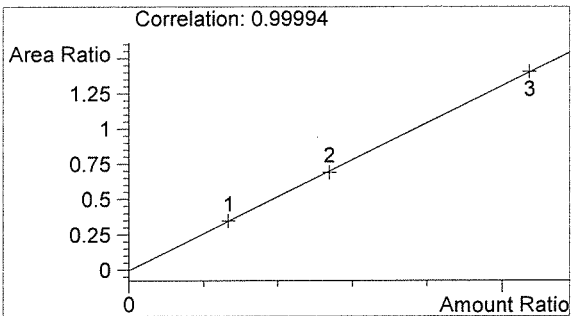
KH

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

Inj. Date: 1/28/2017 11:27:14 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Katie Harris
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17015

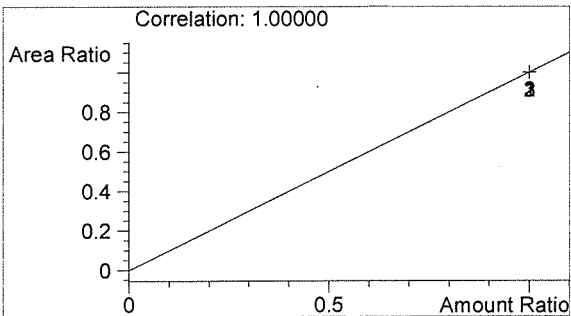


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.000 g/100mL

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

Inj. Date: 1/28/2017 11:30:33 AM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#1

Operator: Katie Harris

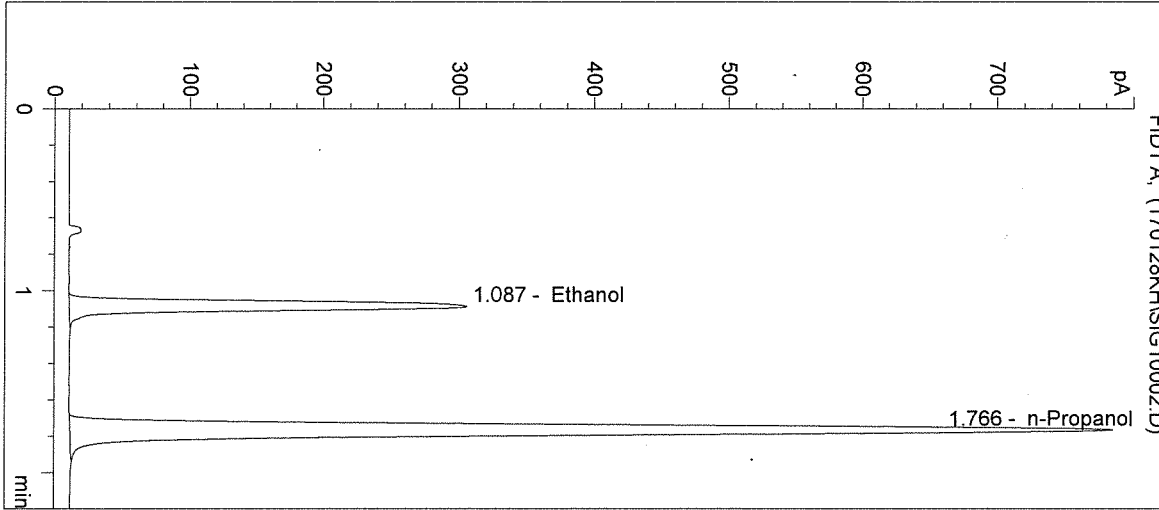
Column: DB-ALC1

Location: Vial 2

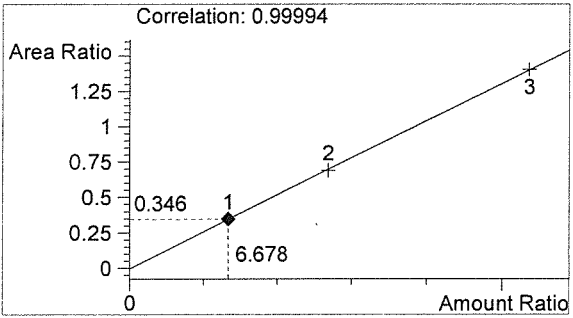
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CAL 1: 0.079 g/100mL
 17015

->

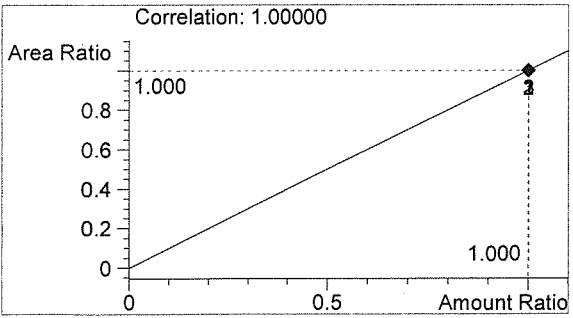


#	Compound	Peak Area	RT (min)
1	Ethanol	1019	1.087
2	n-Propanol	2948	1.766



Ethanol 0.080 g/100mL

BLW



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 11:33:50 AM

Sample Name: CAL 2 (0.158)

Instrument: HSGC#1

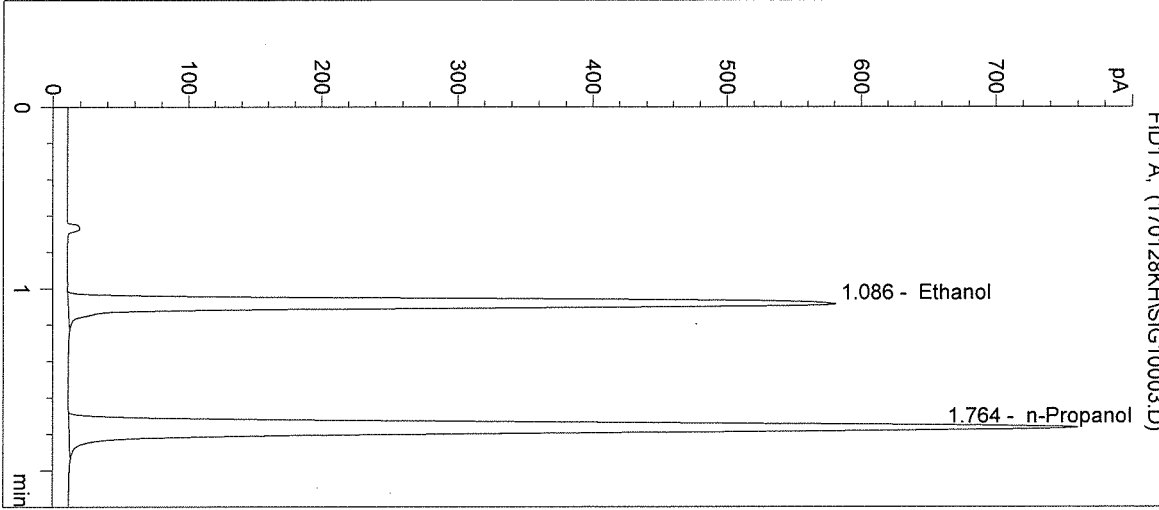
Operator: Katie Harris

Column: DB-ALC1

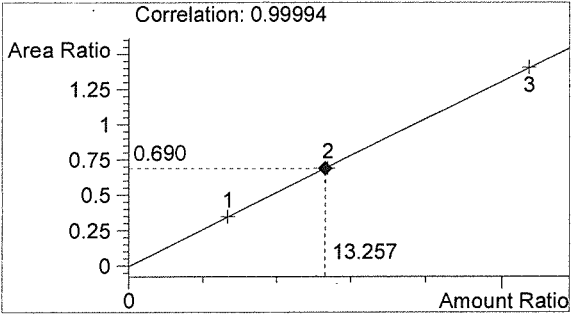
Location: Vial 3

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

Sample Info: CAL 2: 0.158 g/100mL
 17015

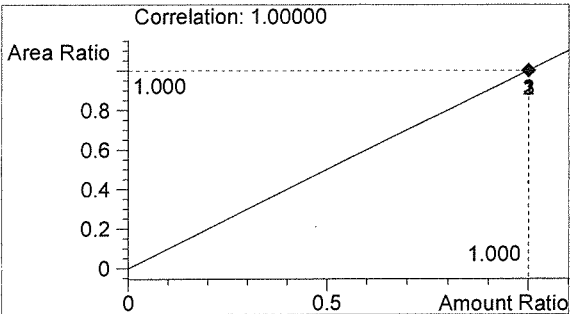


#	Compound	Peak Area	RT (min)
1	Ethanol	1960	1.086
2	n-Propanol	2840	1.764



Ethanol 0.159 g/100mL

AWO

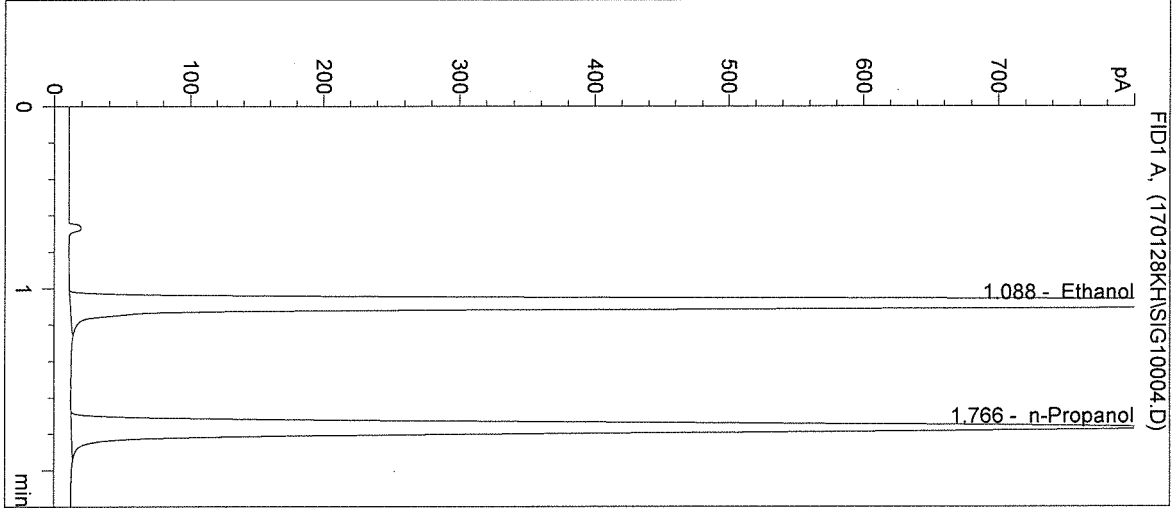


n-Propanol 0.012 g/100mL

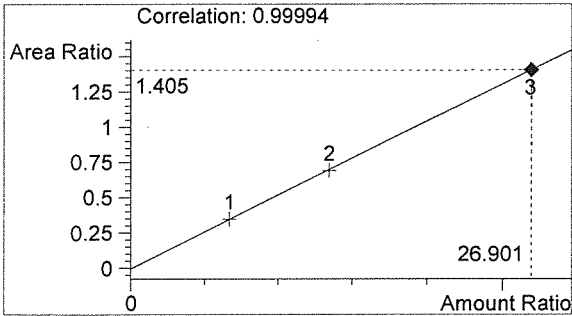
KH

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

Inj. Date: 1/28/2017 11:37:07 AM Sample Name: CAL 3 (0.316)
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 4
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 3: 0.316 g/100mL
 17015

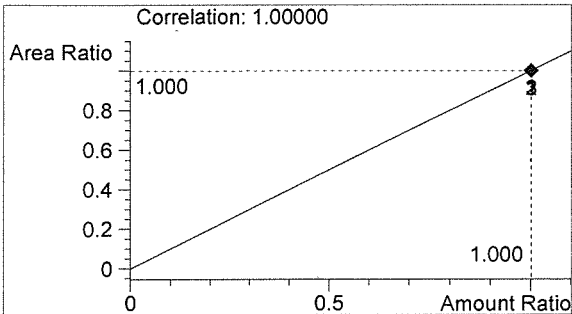


#	Compound	Peak Area	RT (min)
1	Ethanol	4348	1.088
2	n-Propanol	3096	1.766



Ethanol 0.323 g/100mL

BLU



n-Propanol 0.012 g/100mL

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

Inj. Date: 1/28/2017 11:40:20 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

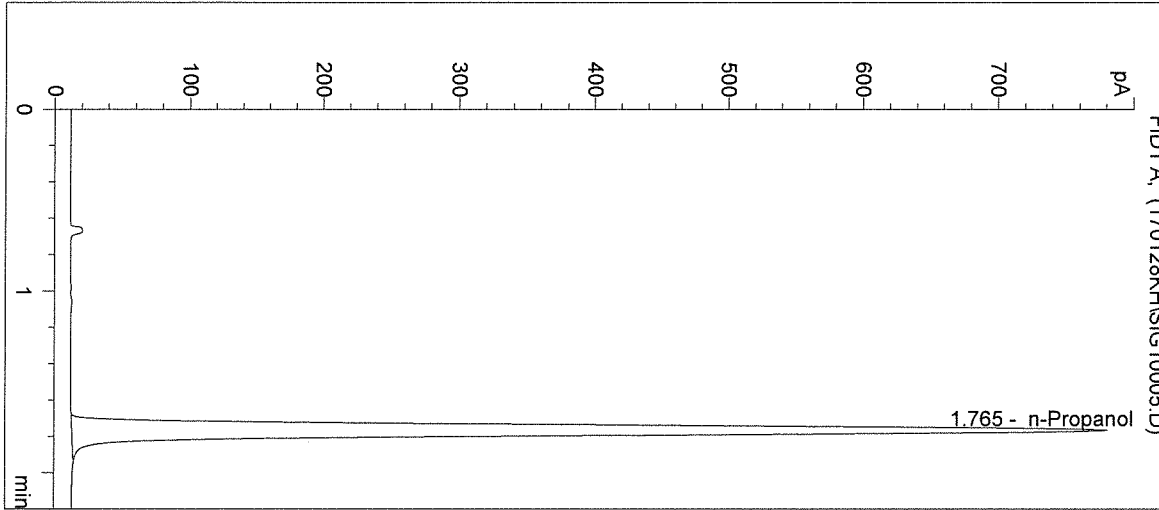
Operator: Katie Harris

Column: DB-ALC1

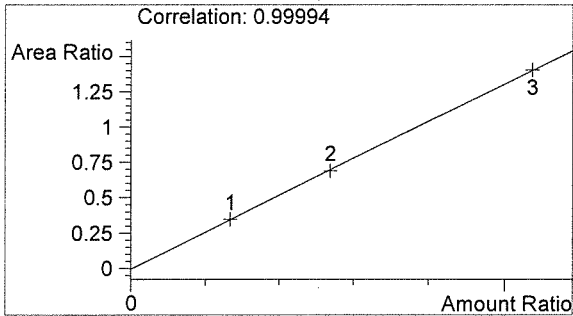
Location: Vial 5

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

Sample Info: 17015

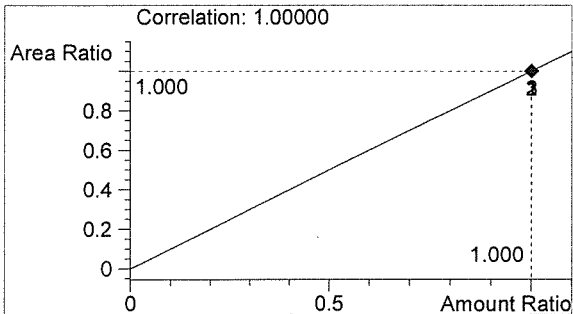


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2930	1.765



Ethanol 0.000 g/100mL

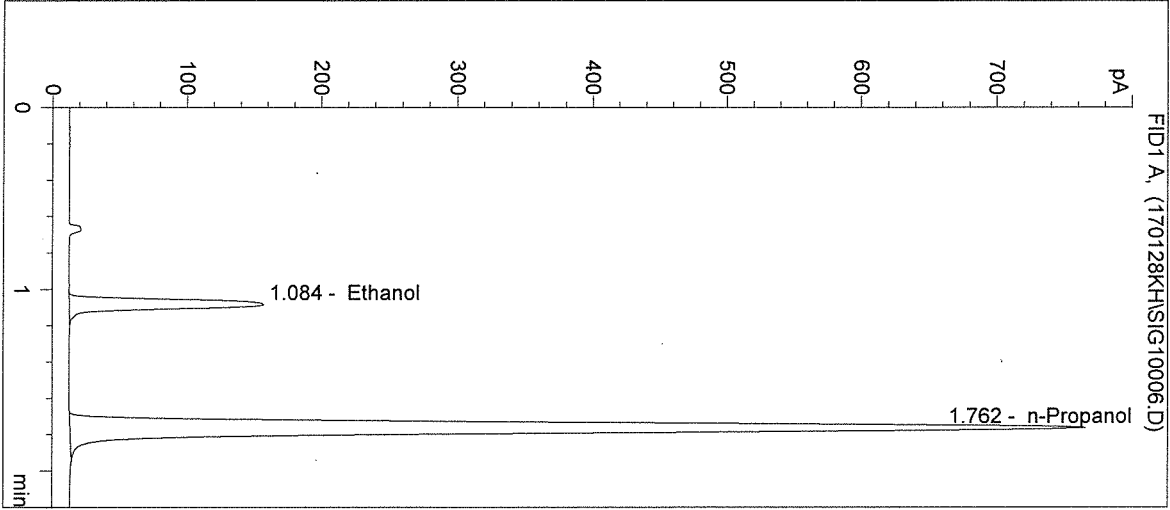
BLW



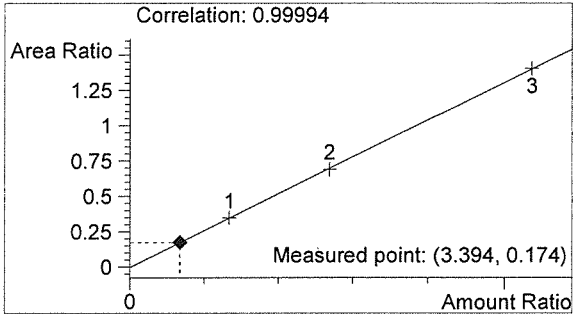
n-Propanol 0.012 g/100mL

KH

Inj. Date: 1/28/2017 11:43:34 AM Sample Name: CTRL 1 (0.04)
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 6
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 17015

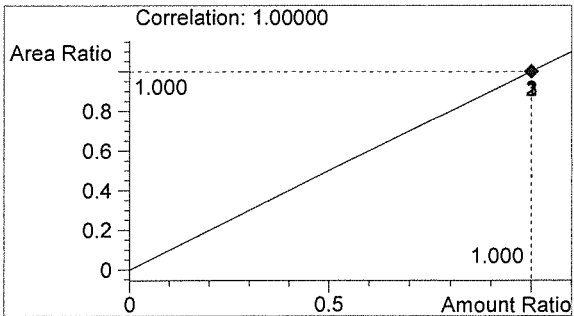


#	Compound	Peak Area	RT (min)
1	Ethanol	495	1.084
2	n-Propanol	2851	1.762



Ethanol 0.041 g/100mL

AWD

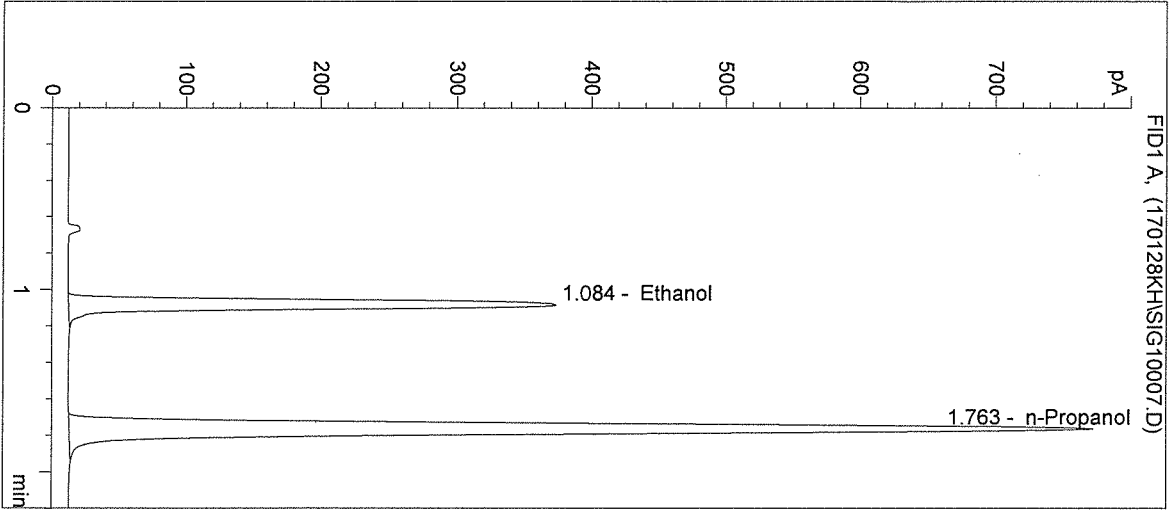


n-Propanol 0.012 g/100mL

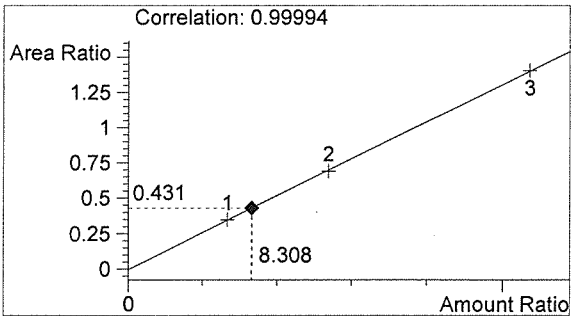
KH

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

Inj. Date: 1/28/2017 11:46:47 AM Sample Name: CTRL 2 (0.10)
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 7
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 2: 0.10 g/100mL
 17015

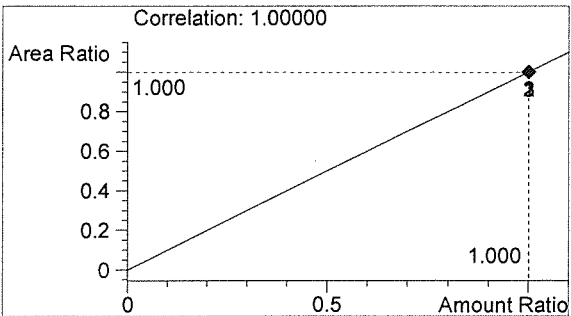


#	Compound	Peak Area	RT (min)
1	Ethanol	1243	1.084
2	n-Propanol	2885	1.763



Ethanol 0.100 g/100mL

ALCO

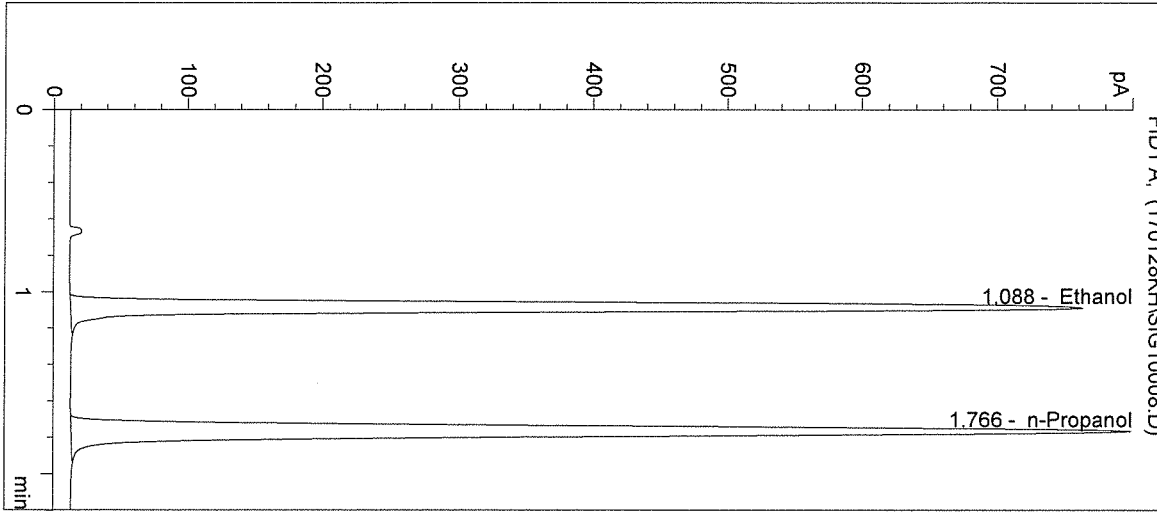


n-Propanol 0.012 g/100mL

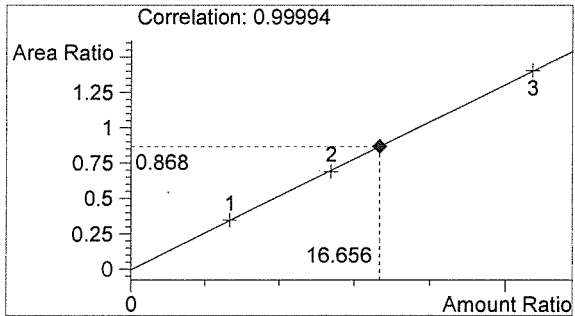
KH

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

Inj. Date: 1/28/2017 11:50:00 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 17015

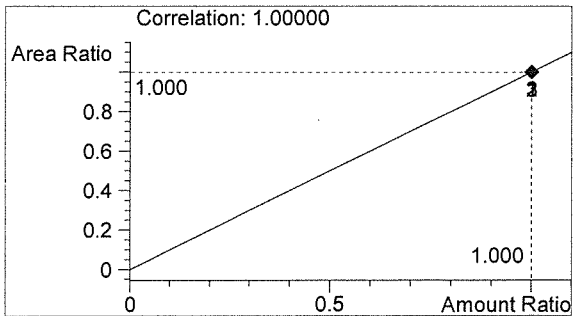


#	Compound	Peak Area	RT (min)
1	Ethanol	2596	1.088
2	n-Propanol	2990	1.766



Ethanol 0.200 g/100mL

AWD



n-Propanol 0.012 g/100mL

KH

Inj. Date: 1/28/2017 11:53:13 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

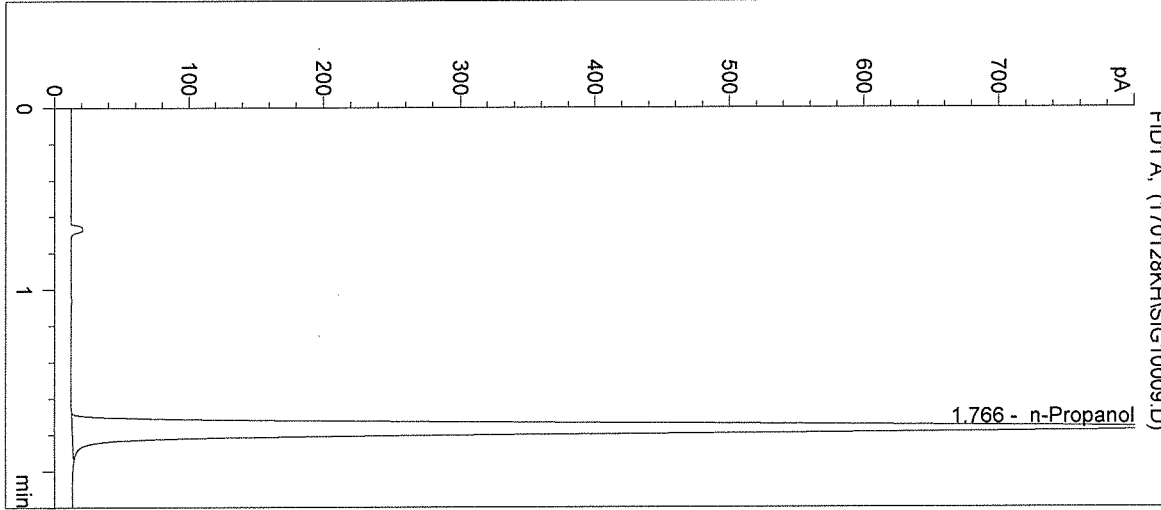
Operator: Katie Harris

Column: DB-ALC1

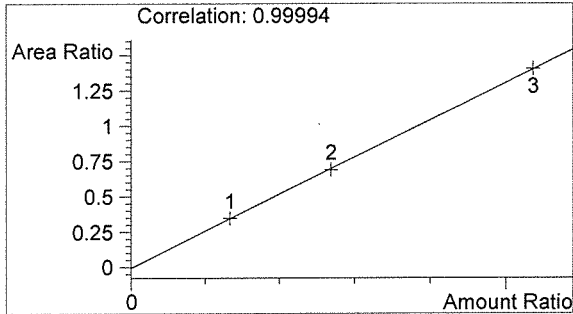
Location: Vial 9

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

Sample Info: 17015

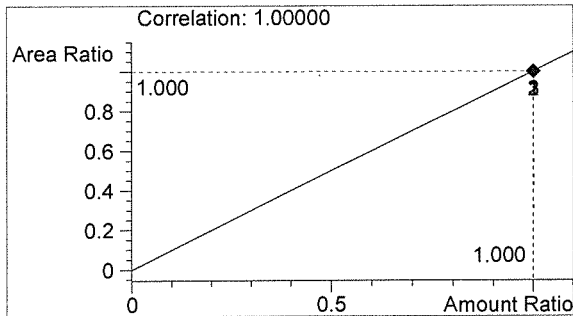


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3179	1.766



Ethanol 0.000 g/100mL

ALU



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 11:56:27 AM

Sample Name: 17015 #1

Instrument: HSGC#1

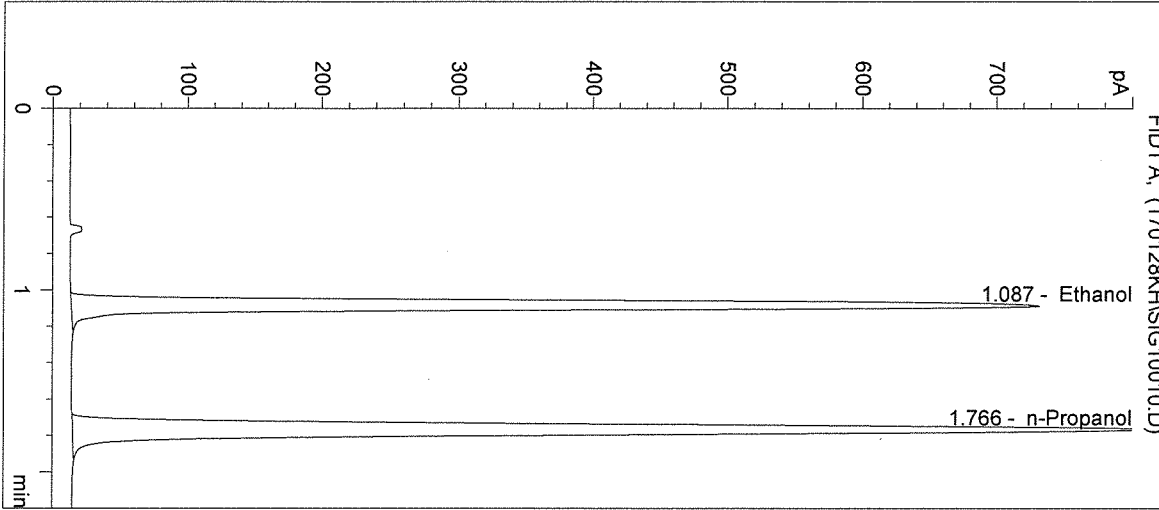
Operator: Katie Harris

Column: DB-ALC1

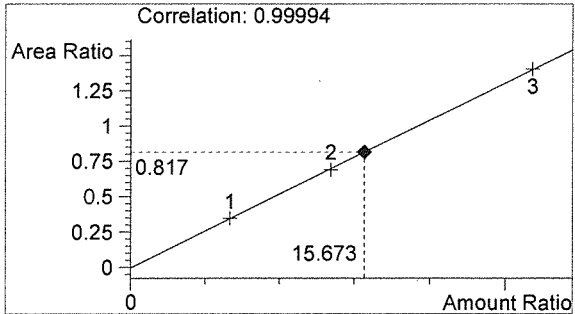
Location: Vial 10

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

Sample Info:

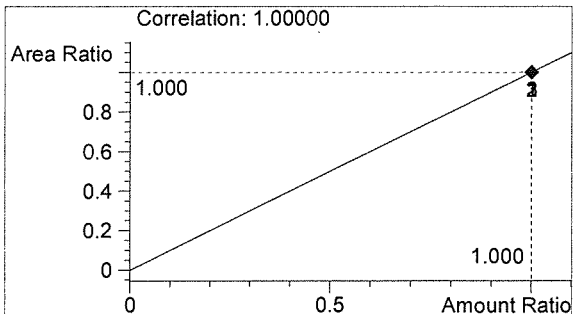


#	Compound	Peak Area	RT (min)
1	Ethanol	2486	1.087
2	n-Propanol	3044	1.766



Ethanol 0.188 g/100mL

ALCO

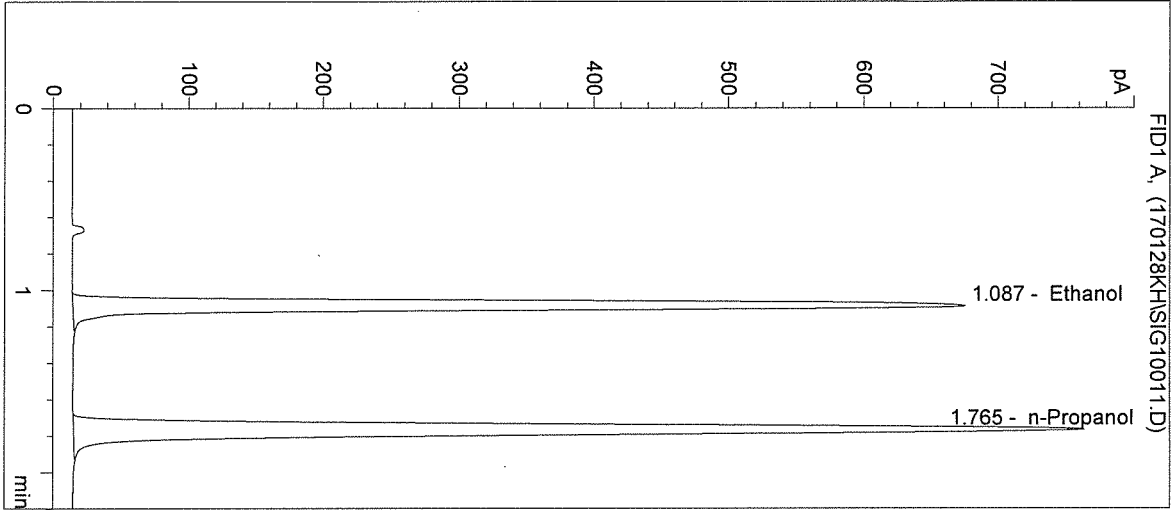


n-Propanol 0.012 g/100mL

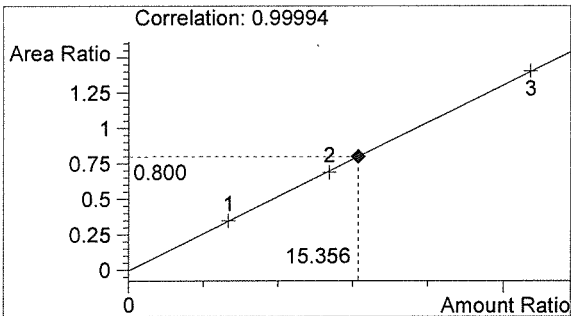
KAH

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

Inj. Date: 1/28/2017 11:59:40 AM Sample Name: 17015 #2
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 11
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

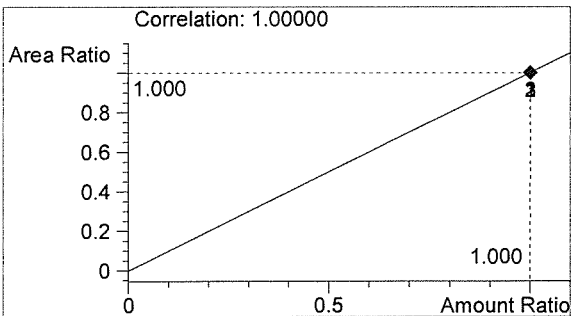


#	Compound	Peak Area	RT (min)
1	Ethanol	2279	1.087
2	n-Propanol	2849	1.765



Ethanol 0.184 g/100mL

ALW



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 1/28/2017 12:02:53 PM

Sample Name: 17015 #3

Instrument: HSGC#1

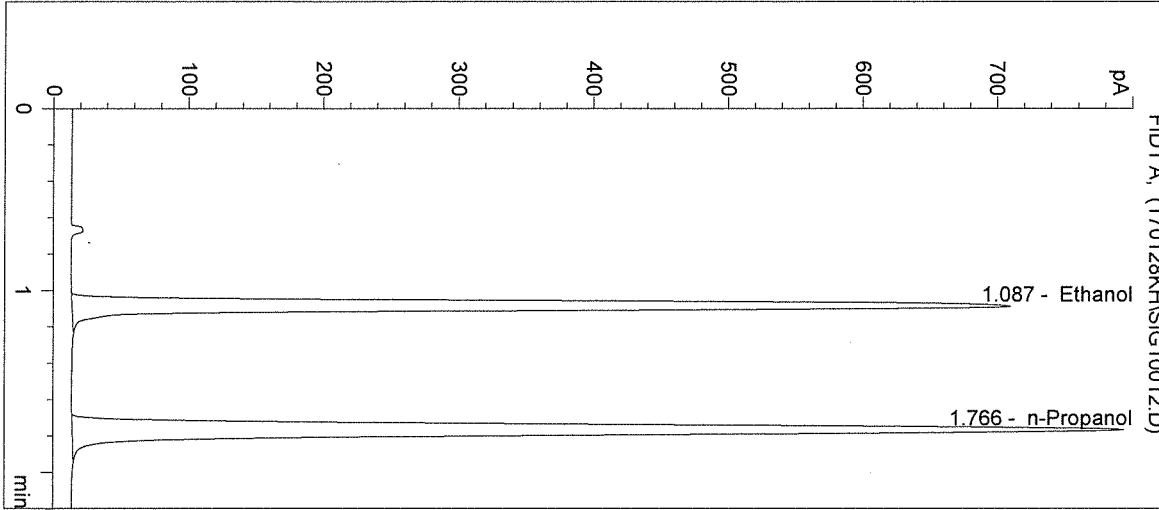
Operator: Katie Harris

Column: DB-ALC1

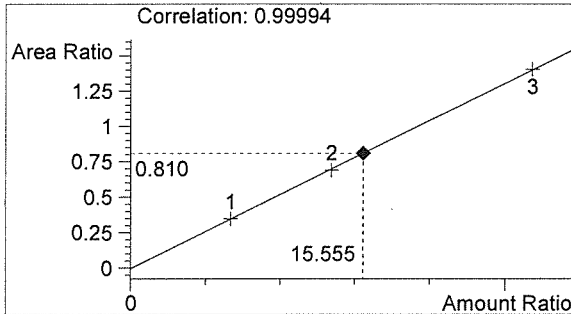
Location: Vial 12

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

Sample Info:

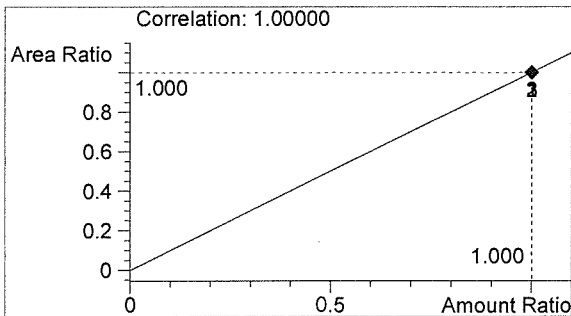


#	Compound	Peak Area	RT (min)
1	Ethanol	2410	1.087
2	n-Propanol	2974	1.766



Ethanol 0.187 g/100mL

AWO

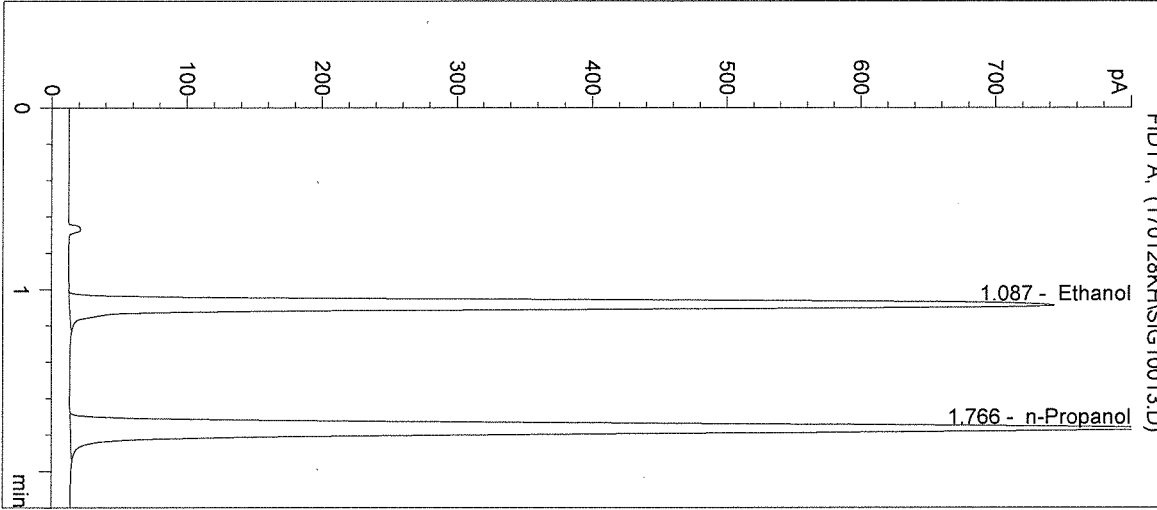


n-Propanol 0.012 g/100mL

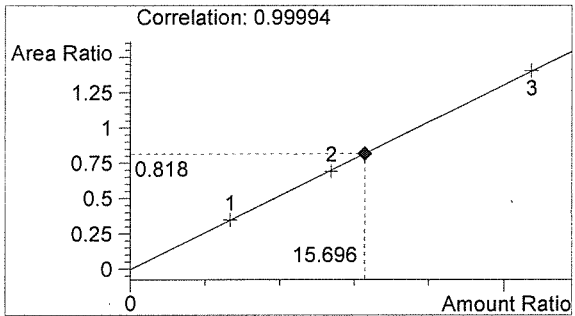
KH

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

Inj. Date: 1/28/2017 12:06:07 PM Sample Name: 17015 #4
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 13
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

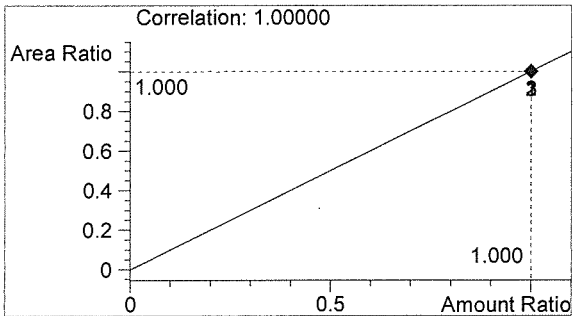


#	Compound	Peak Area	RT (min)
1	Ethanol	2522	1.087
2	n-Propanol	3083	1.766



Ethanol 0.188 g/100mL

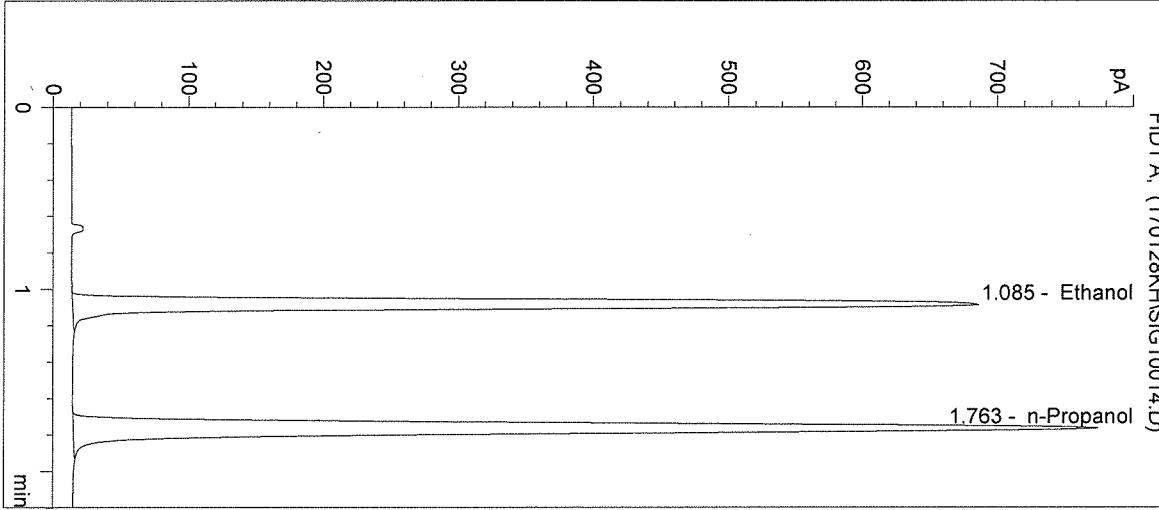
PLU



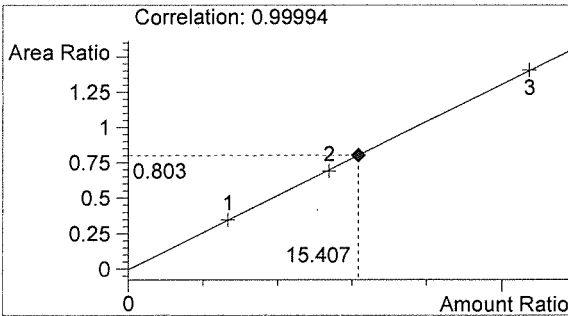
n-Propanol 0.012 g/100mL

KH

Inj. Date: 1/28/2017 12:09:20 PM Sample Name: 17015 #5
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 14
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

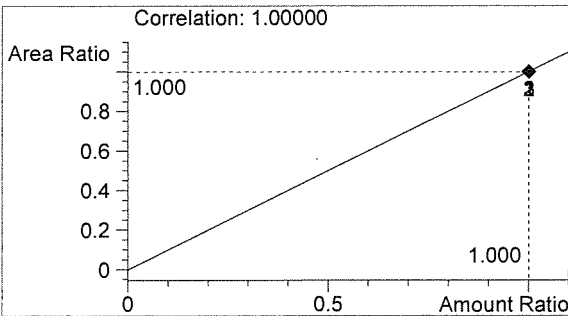


#	Compound	Peak Area	RT (min)
1	Ethanol	2314	1.085
2	n-Propanol	2883	1.763



Ethanol 0.185 g/100mL

AW

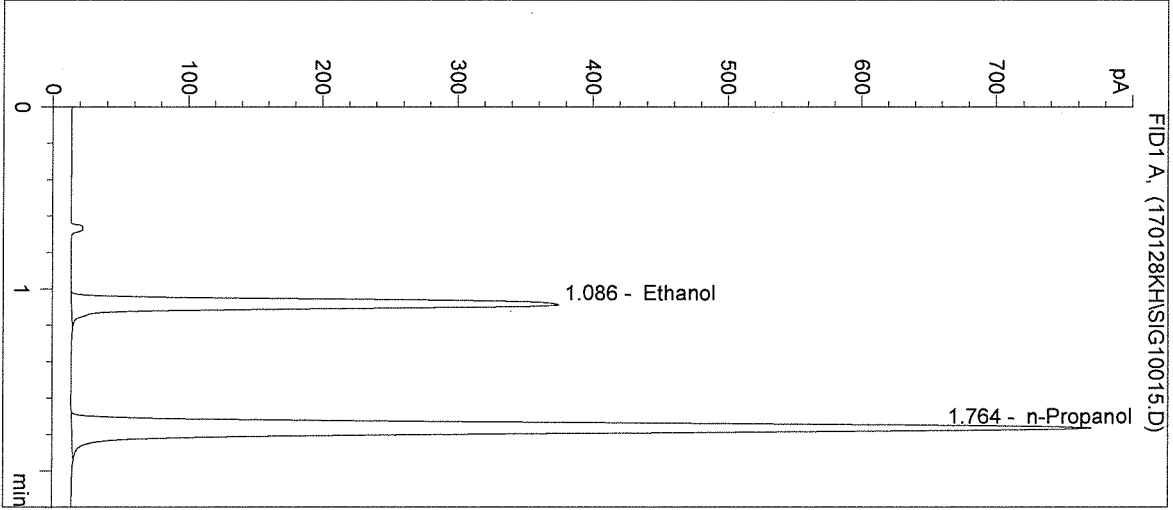


n-Propanol 0.012 g/100mL

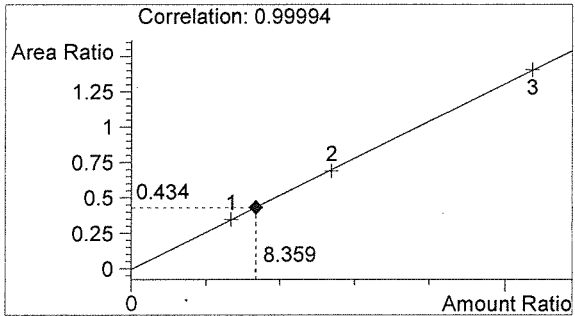
KH

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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/28/2017 12:12:33 PM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Katie Harris
 Column: DB-ALC1 Location: Vial 15
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 17015

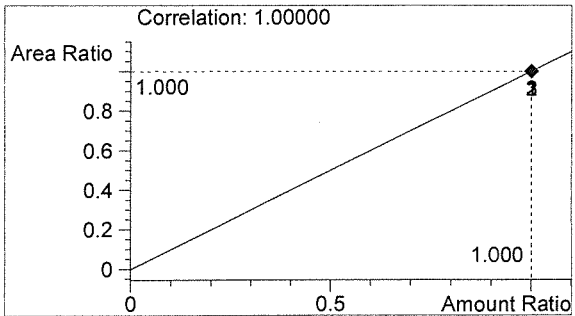


#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.086
2	n-Propanol	2868	1.764



Ethanol 0.100 g/100mL

AWO



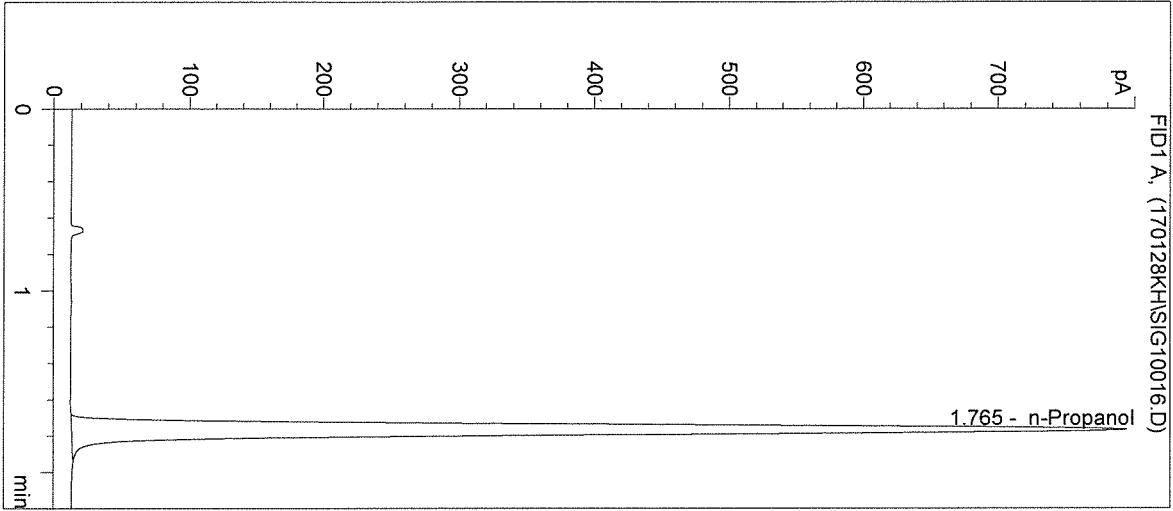
n-Propanol 0.012 g/100mL

KH

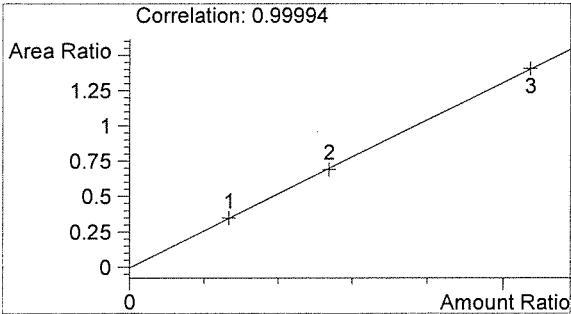
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 2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/28/2017 12:15:46 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17015

Sample Name: NEG CTRL
 Operator: Katie Harris
 Location: Vial 16

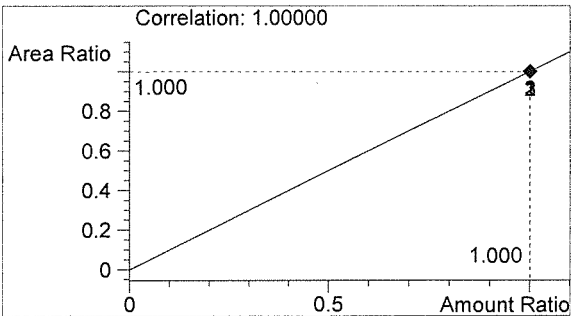


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2975	1.765



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL

KH

Sequence Parameters:

Operator: Andrew Gingras
 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: 170201AG - *Extraction & Run date is 2/2/17.*
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0916-01 - X: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - X: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - X: 03/15/17

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0117 - X: 04/20/17

 Calibration vials 1-9 filed with 17015
 Diluter #2

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17015 #1	SIMALC1	1	Sample		
11	Vial 11	17015 #2	SIMALC1	1	Sample		
12	Vial 12	17015 #3	SIMALC1	1	Sample		
13	Vial 13	17015 #4	SIMALC1	1	Sample		
14	Vial 14	17015 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17016 #1	SIMALC1	1	Sample		
18	Vial 18	17016 #2	SIMALC1	1	Sample		
19	Vial 19	17016 #3	SIMALC1	1	Sample		
20	Vial 20	17016 #4	SIMALC1	1	Sample		
21	Vial 21	17016 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17015
 Buw 3-1-17

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17015
BWC 3-1-15



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

Calib. Data Modified : Thursday, February 02, 2017 7:59:01 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

17015
Ruo 3.1.17

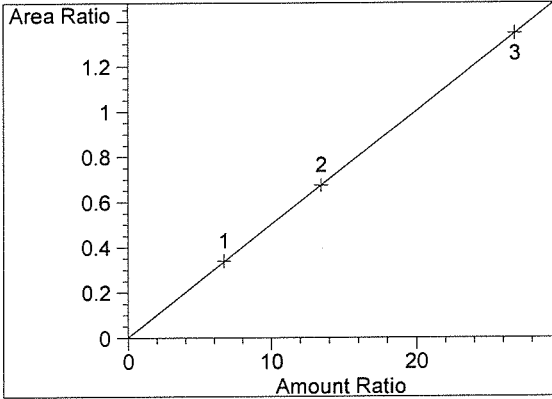
Signal 1: FID1 A,

RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.085	1 1	8.00100e-2	983.51379	8.13512e-5	1 Ethanol
	2	1.61200e-1	1940.43591	8.30741e-5	
	3	3.21790e-1	3873.84058	8.30674e-5	
1.763	1 1	1.20000e-2	2894.89380	4.14523e-6	I1 n-Propanol
	2	1.20000e-2	2874.35645	4.17485e-6	
	3	1.20000e-2	2875.36621	4.17338e-6	

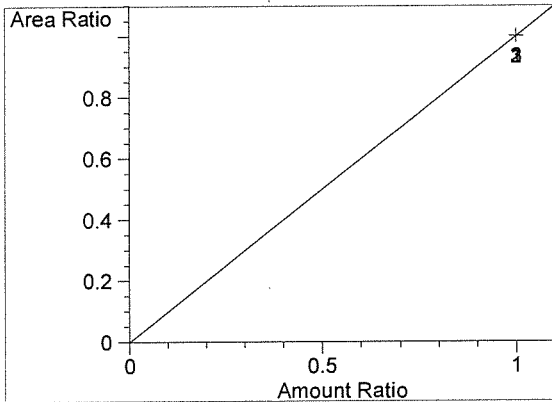
=====
Peak Sum Table
=====

No Entries in table
=====

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



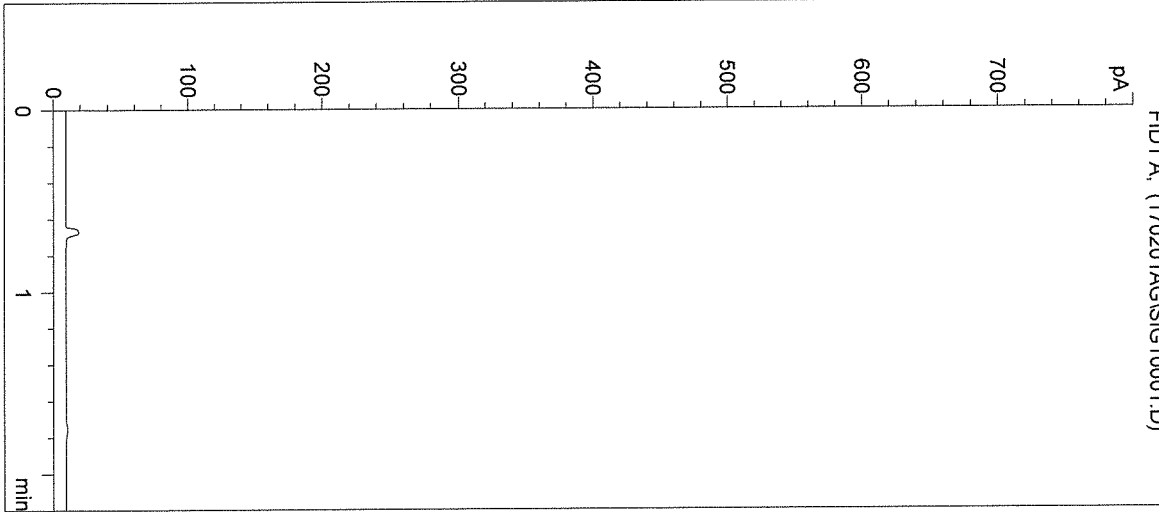
Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00275
Formula: $y = mx + b$
m: 5.01805e-2
b: 1.94412e-3
x: Amount Ratio
y: Area Ratio



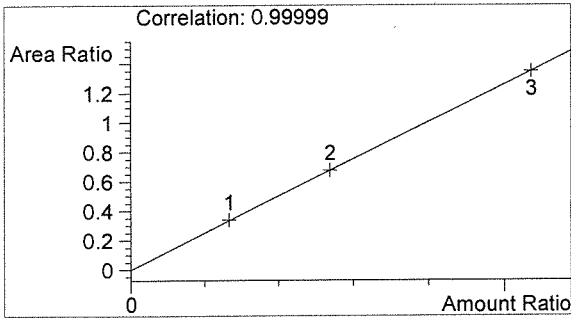
n-Propanol at exp. RT: 1.763
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17015
Paw 3-1-17

Inj. Date: 2/2/2017 7:46:55 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17015

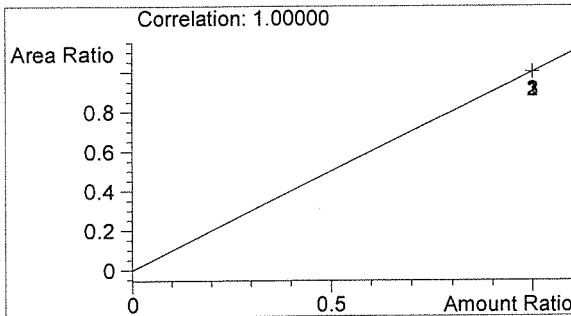


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

AW



n-Propanol 0.000 g/100mL

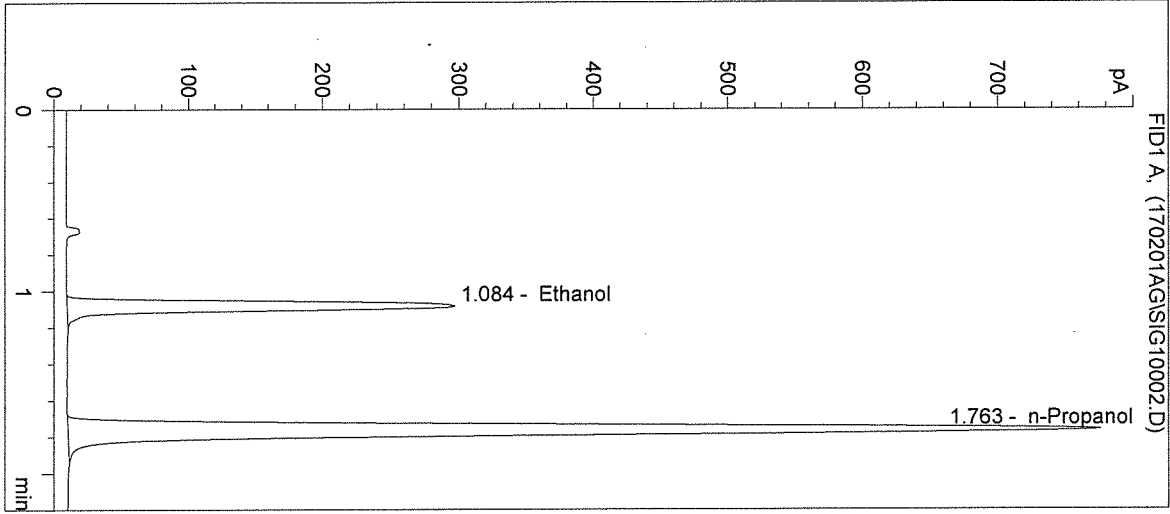
AG

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 2203 Airport Way S Seattle, WA 98134

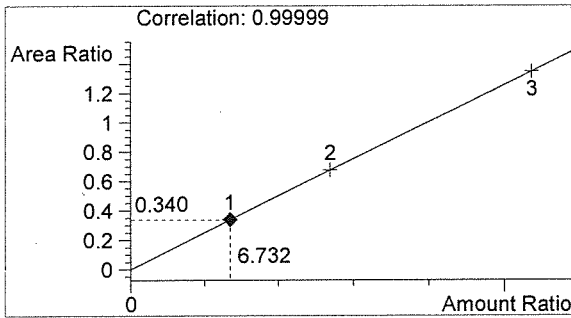
Inj. Date: 2/2/2017 7:50:13 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 1: 0.079 g/100mL
 17015

Sample Name: CAL 1 (0.079)
 Operator: Andrew Gingras
 Location: Vial 2

->

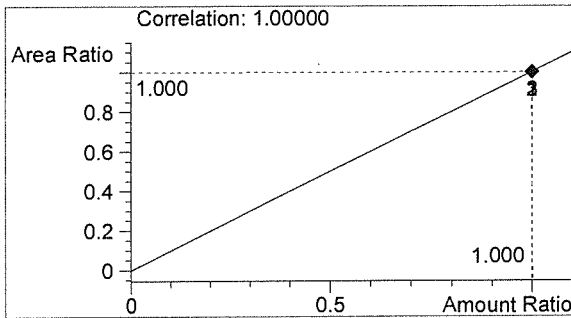


#	Compound	Peak Area	RT (min)
1	Ethanol	984	1.084
2	n-Propanol	2895	1.763



Ethanol 0.081 g/100mL

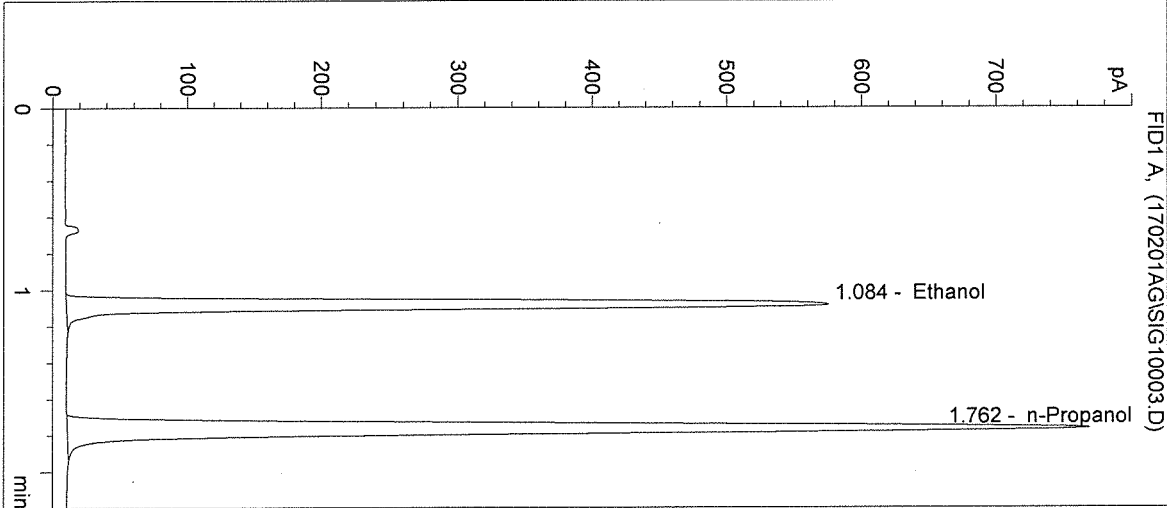
AWD



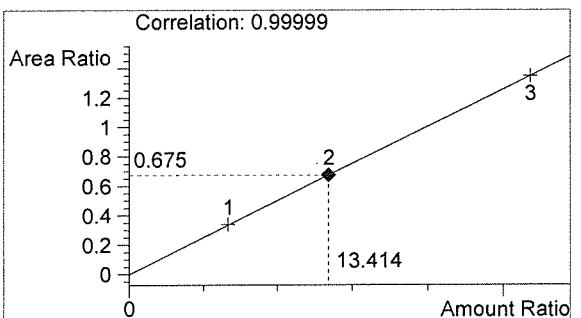
n-Propanol 0.012 g/100mL

AG

Inj. Date: 2/2/2017 7:53:31 AM Sample Name: CAL 2 (0.158)
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 3
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 2: 0.158 g/100mL
17015

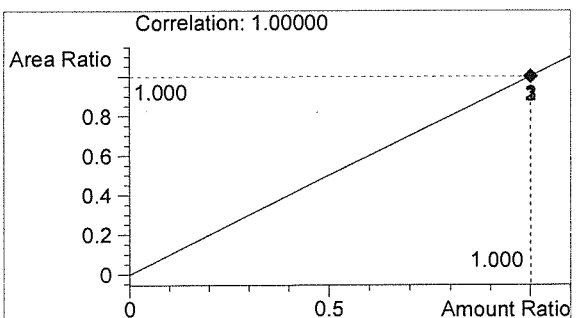


#	Compound	Peak Area	RT (min)
1	Ethanol	1940	1.084
2	n-Propanol	2874	1.762



Ethanol 0.161 g/100mL

AWO



n-Propanol 0.012 g/100mL

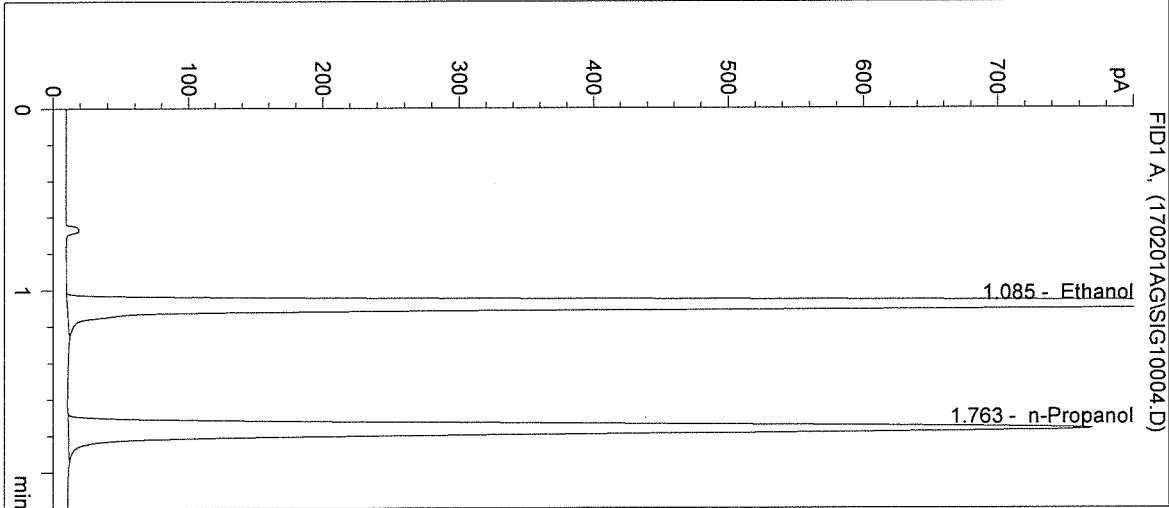
AWO

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 2203 Airport Way S Seattle, WA 98134

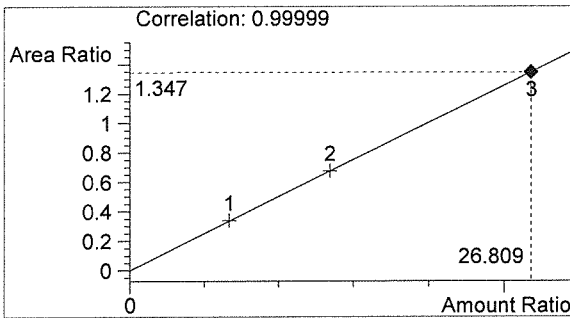
Inj. Date: 2/2/2017 7:56:48 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 3: 0.316 g/100mL
 17015

Sample Name: CAL 3 (0.316)
 Operator: Andrew Gingras
 Location: Vial 4

- >

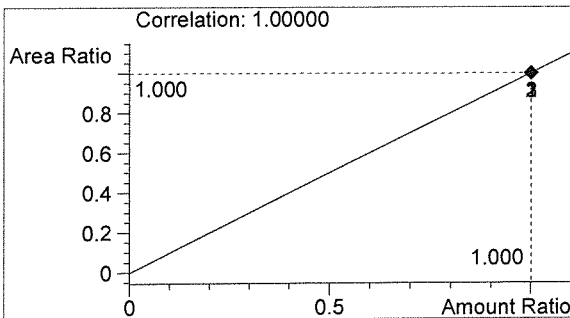


#	Compound	Peak Area	RT (min)
1	Ethanol	3874	1.085
2	n-Propanol	2875	1.763



Ethanol 0.322 g/100mL

Handwritten signature

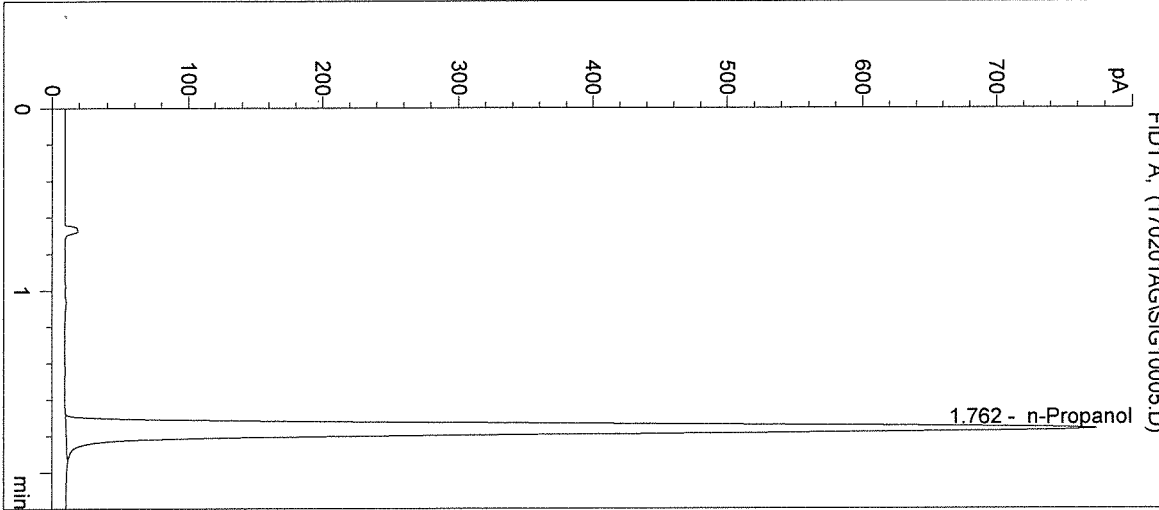


n-Propanol 0.012 g/100mL

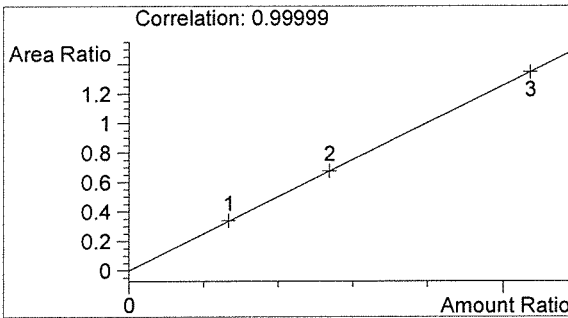
Handwritten signature

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

Inj. Date: 2/2/2017 8:00:01 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17015

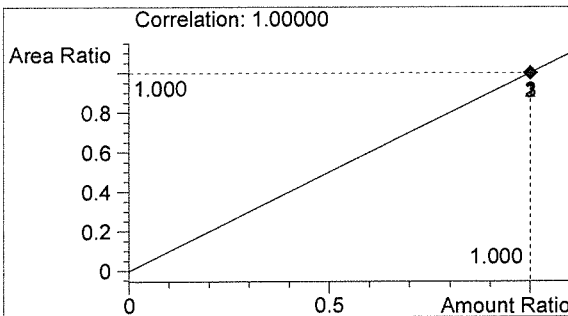


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2892	1.762



Ethanol 0.000 g/100mL

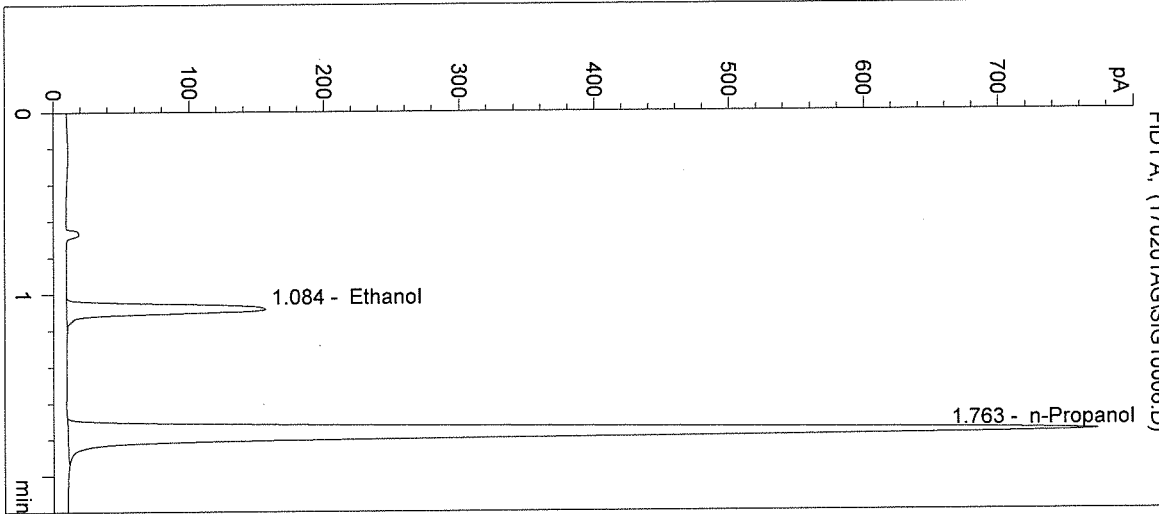
AW



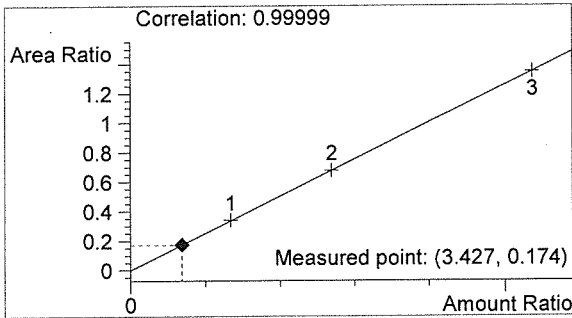
n-Propanol 0.012 g/100mL

AG

Inj. Date: 2/2/2017 8:03:15 AM Sample Name: CTRL 1 (0.04)
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 6
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 1: 0.04 g/100mL
17015

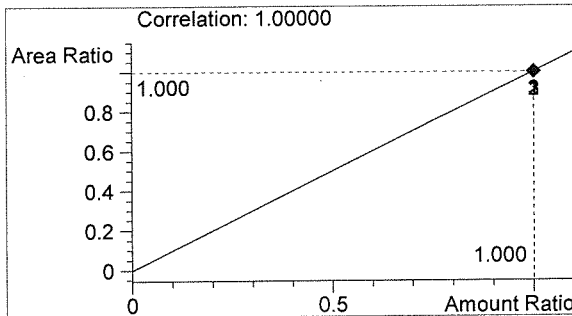


#	Compound	Peak Area	RT (min)
1	Ethanol	502	1.084
2	n-Propanol	2884	1.763



Ethanol 0.041 g/100mL

AW

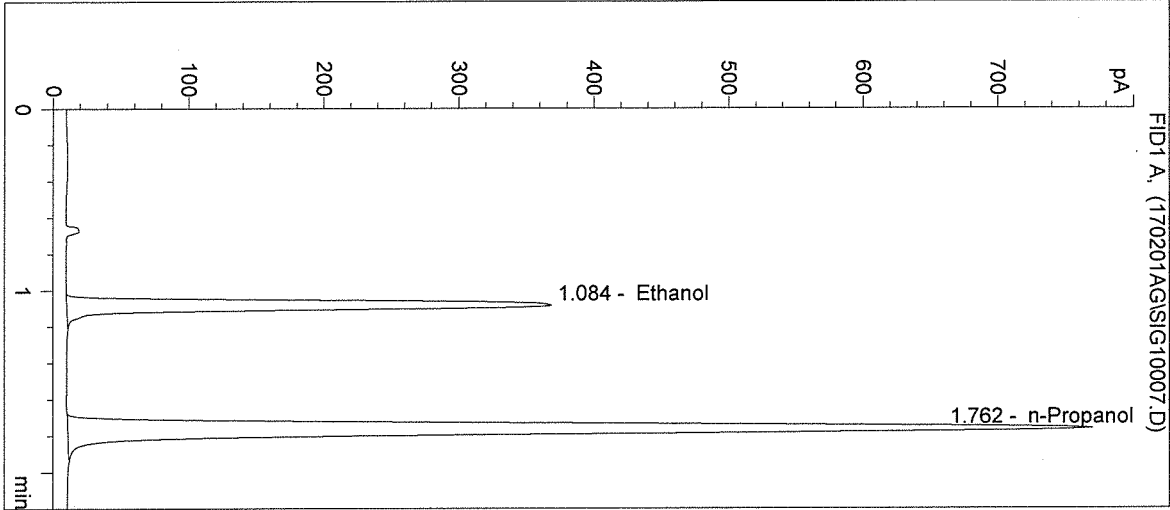


n-Propanol 0.012 g/100mL

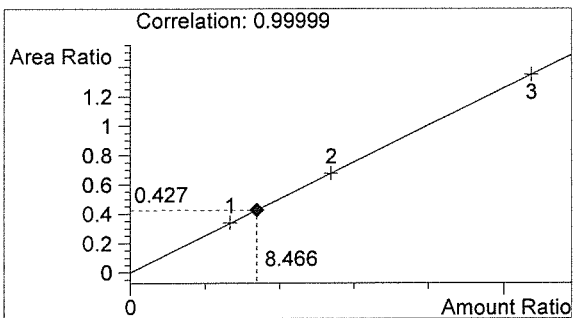
[Handwritten signature]

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

Inj. Date: 2/2/2017 8:06:28 AM Sample Name: CTRL 2 (0.10)
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 7
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 2: 0.10 g/100mL
17015

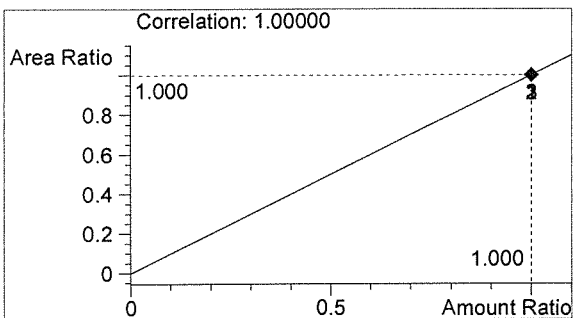


#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.084
2	n-Propanol	2874	1.762



Ethanol 0.102 g/100mL

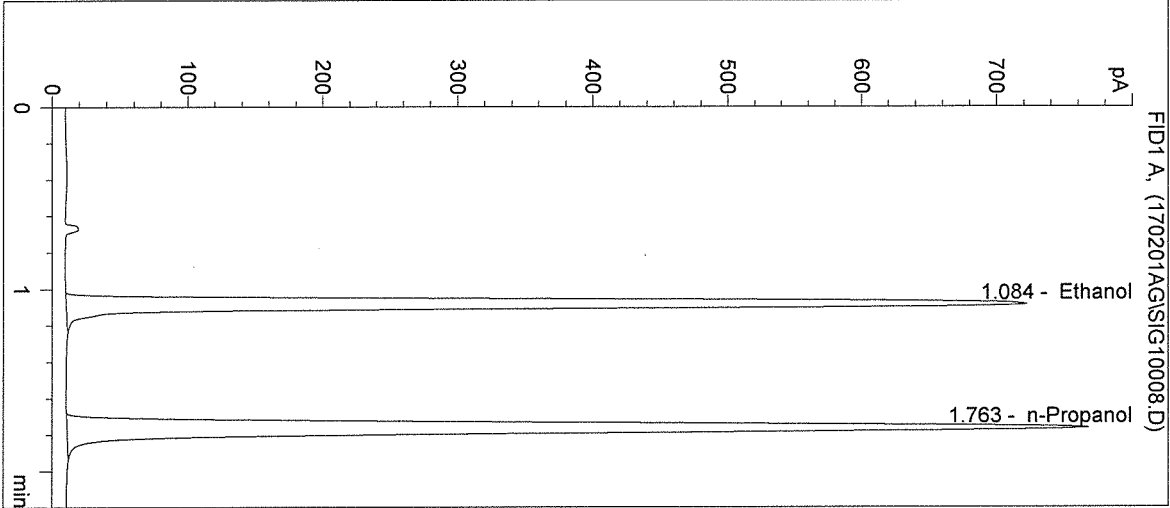
AWO



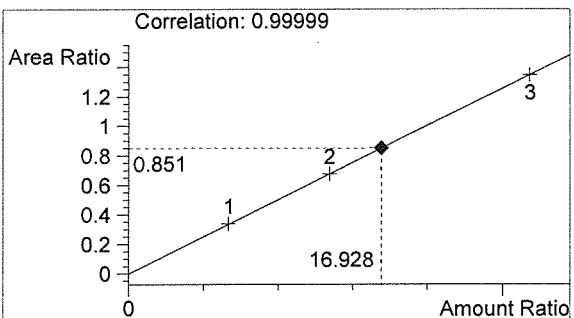
n-Propanol 0.012 g/100mL

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

Inj. Date: 2/2/2017 8:09:41 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 17015

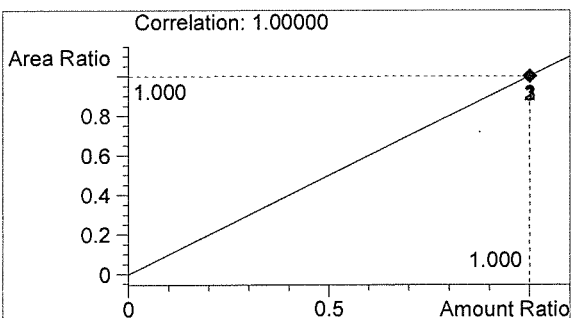


#	Compound	Peak Area	RT (min)
1	Ethanol	2442	1.084
2	n-Propanol	2868	1.763



Ethanol 0.203 g/100mL

ALW



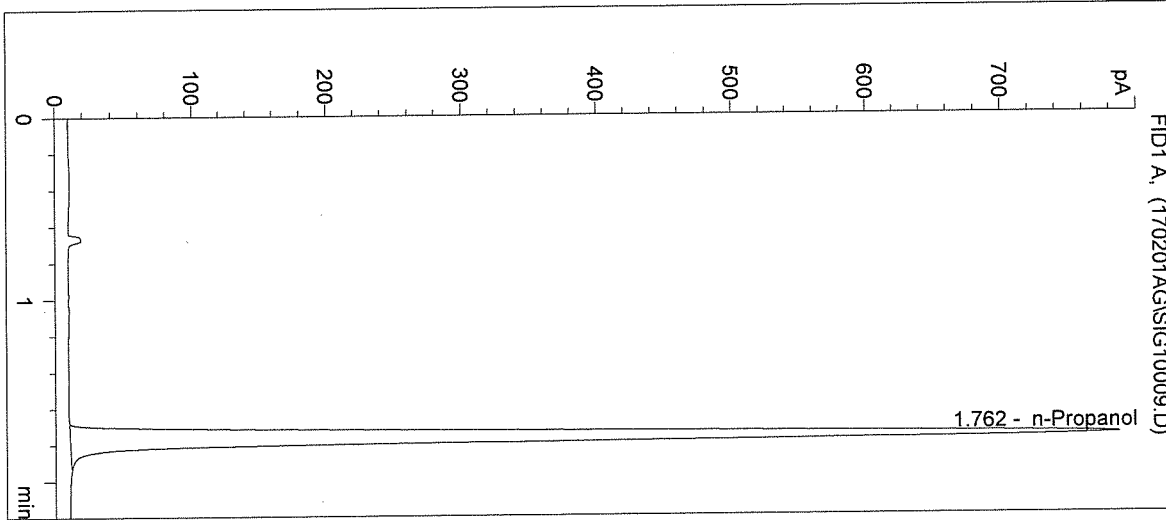
n-Propanol 0.012 g/100mL

AS

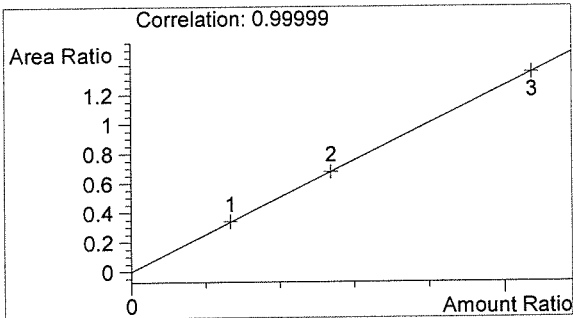
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/2/2017 8:12:54 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17015

Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 9

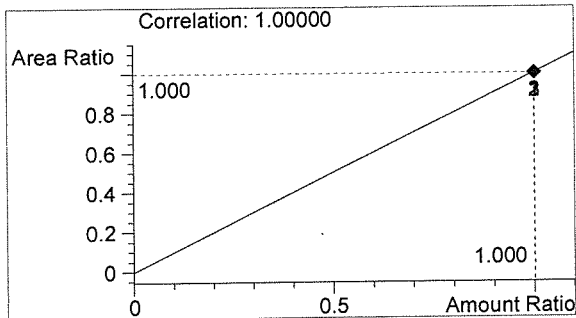


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2939	1.762



Ethanol 0.000 g/100mL

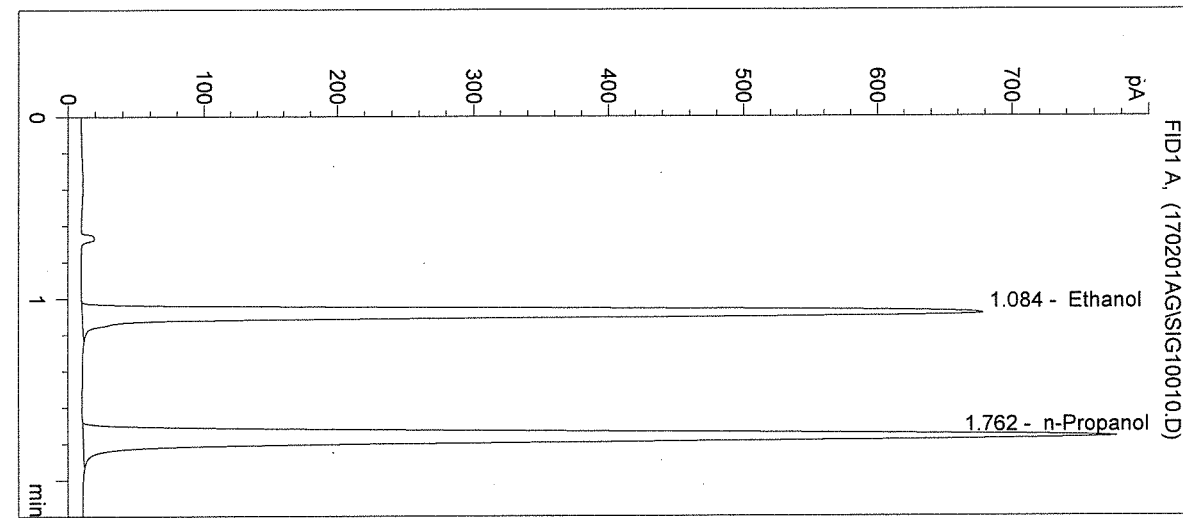
BCW



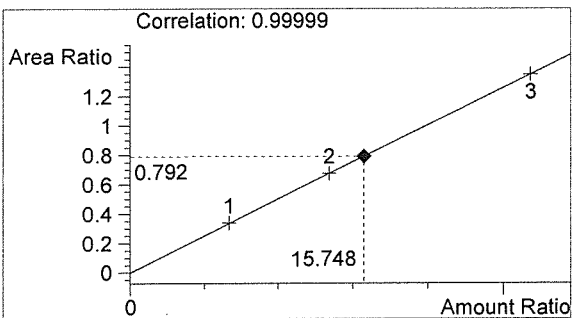
n-Propanol 0.012 g/100mL

AG

Inj. Date: 2/2/2017 8:16:08 AM Sample Name: 17015 #1
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 10
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

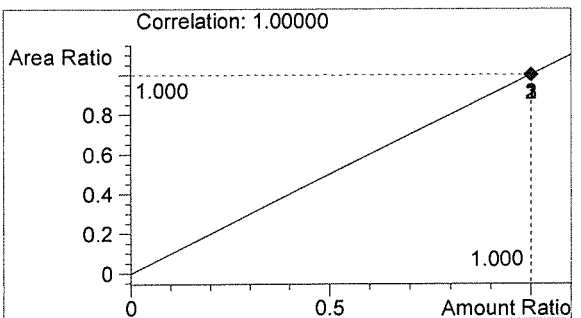


#	Compound	Peak Area	RT (min)
1	Ethanol	2286	1.084
2	n-Propanol	2885	1.762



Ethanol 0.189 g/100mL

Pro



n-Propanol 0.012 g/100mL

AG

Inj. Date: 2/2/2017 8:19:21 AM

Sample Name: 17015 #2

Instrument: HSGC#1

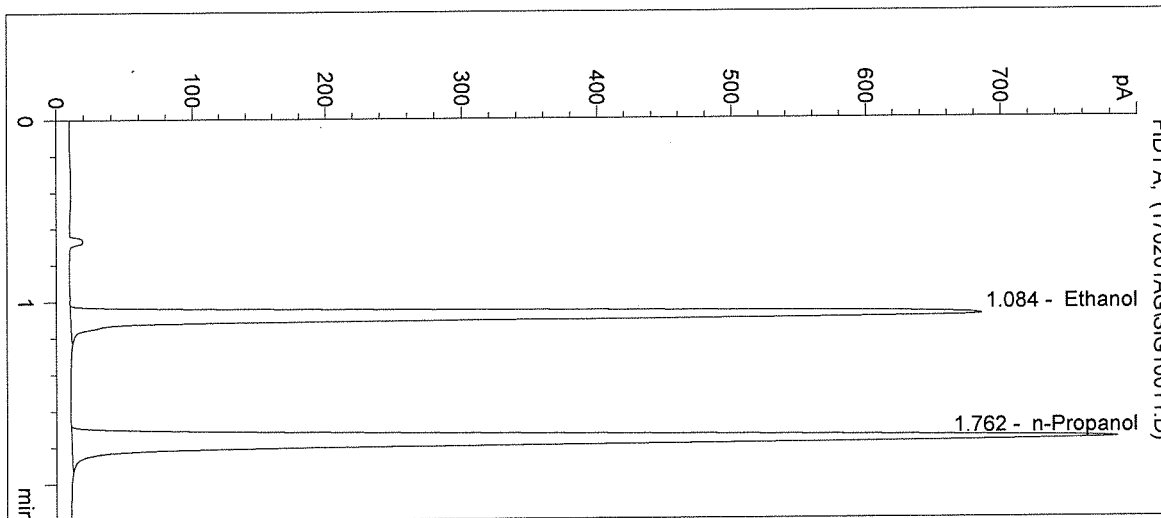
Operator: Andrew Gingras

Column: DB-ALC1

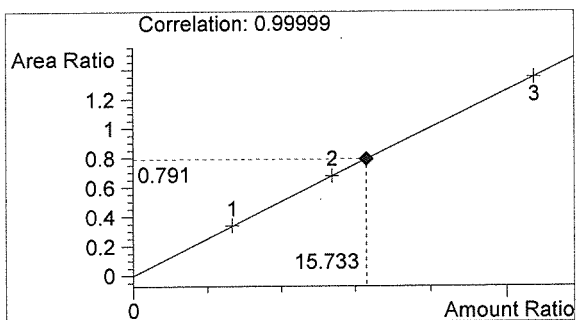
Location: Vial 11

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

Sample Info:

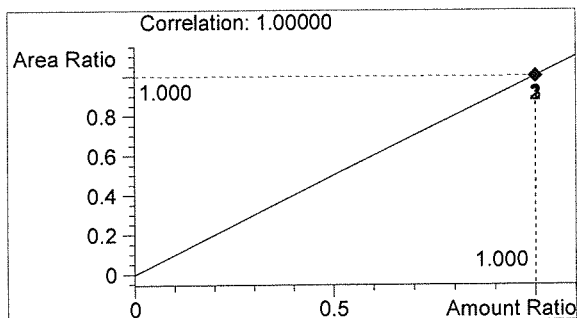


#	Compound	Peak Area	RT (min)
1	Ethanol	2315	1.084
2	n-Propanol	2925	1.762



Ethanol 0.189 g/100mL

BW



n-Propanol 0.012 g/100mL

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Inj. Date: 2/2/2017 8:22:34 AM

Sample Name: 17015 #3

Instrument: HSGC#1

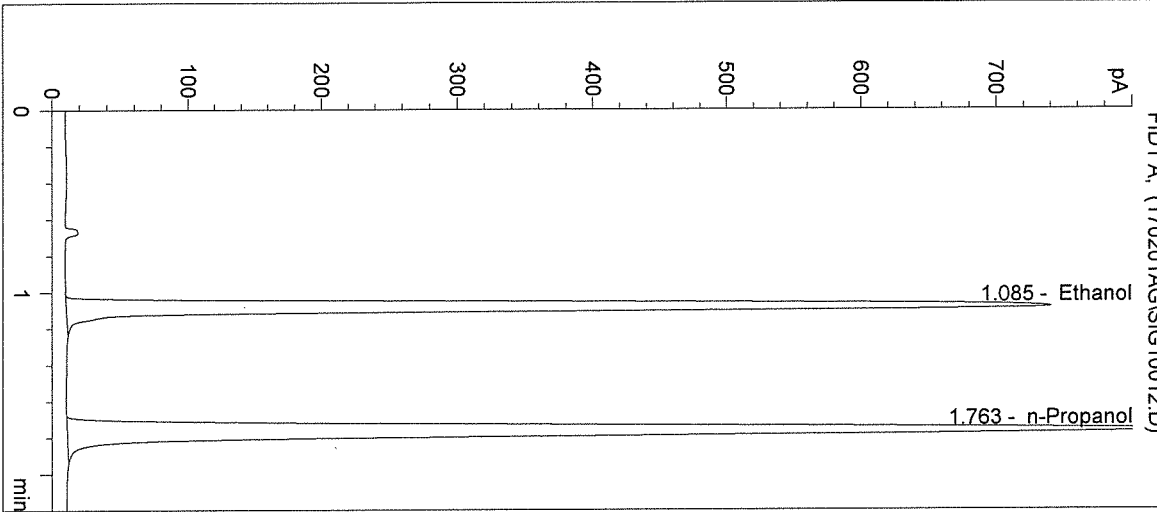
Operator: Andrew Gingras

Column: DB-ALC1

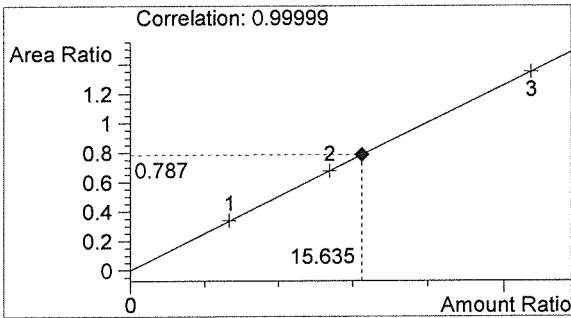
Location: Vial 12

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

Sample Info:

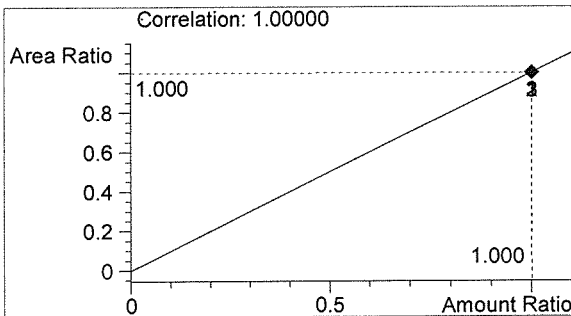


#	Compound	Peak Area	RT (min)
1	Ethanol	2481	1.085
2	n-Propanol	3154	1.763



Ethanol 0.188 g/100mL

AW



n-Propanol 0.012 g/100mL

AW

Inj. Date: 2/2/2017 8:25:47 AM

Sample Name: 17015 #4

Instrument: HSGC#1

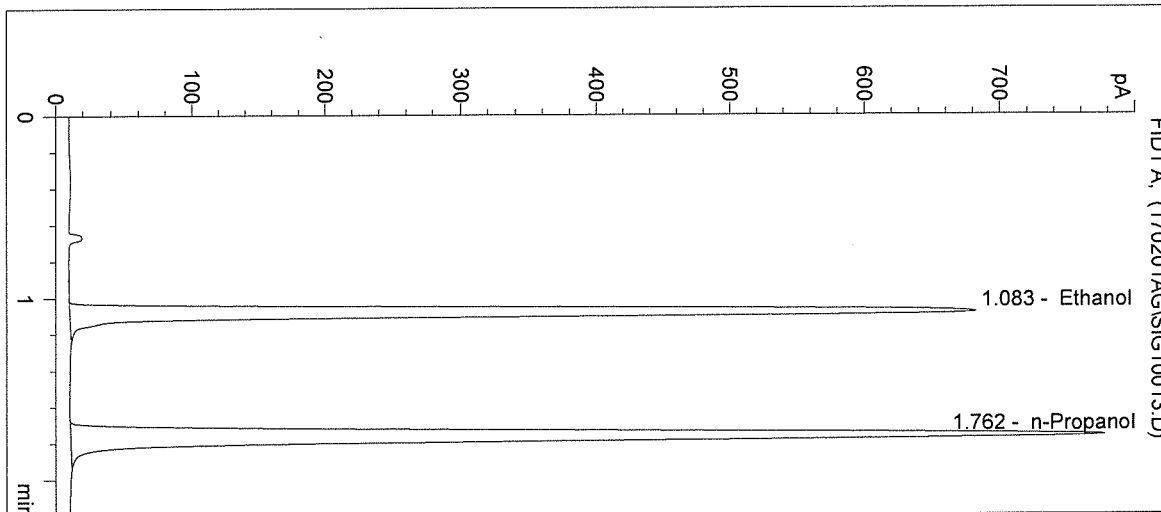
Operator: Andrew Gingras

Column: DB-ALC1

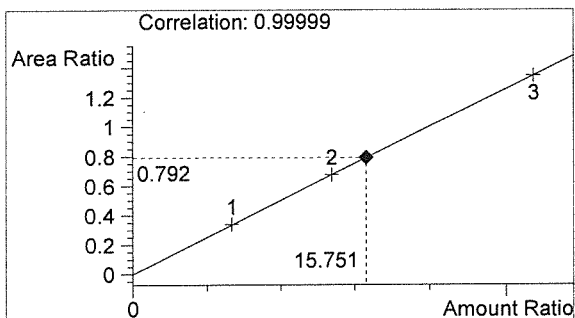
Location: Vial 13

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

Sample Info:

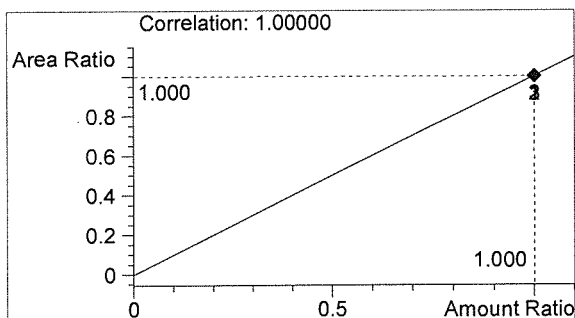


#	Compound	Peak Area	RT (min)
1	Ethanol	2293	1.083
2	n-Propanol	2894	1.762



Ethanol 0.189 g/100mL

AW

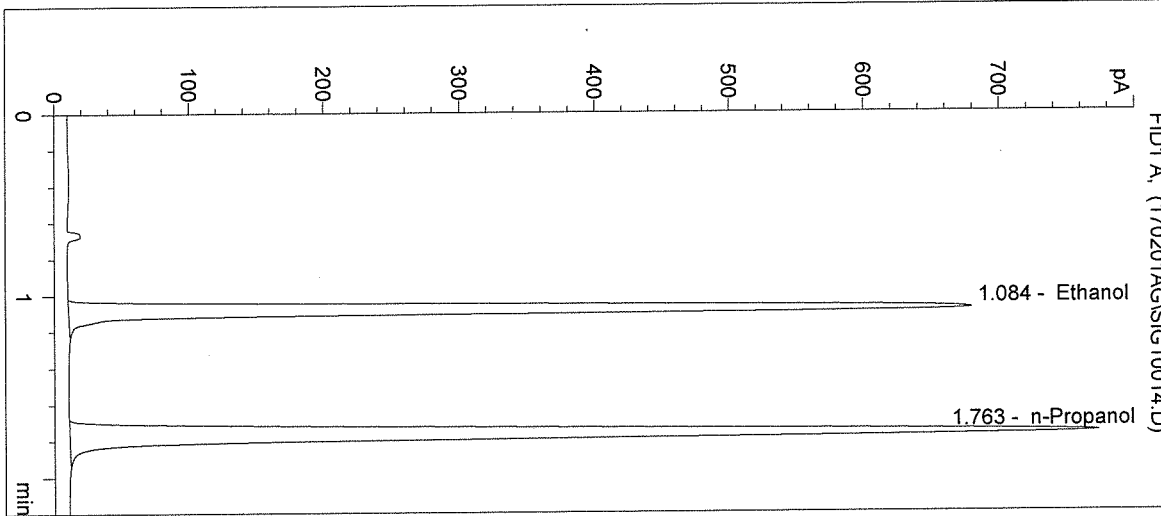


n-Propanol 0.012 g/100mL

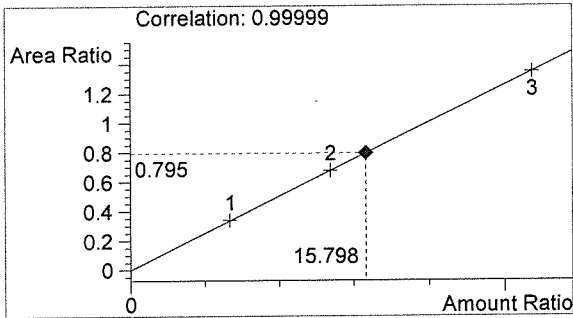
AG

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/2/2017 8:29:00 AM Sample Name: 17015 #5
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 14
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

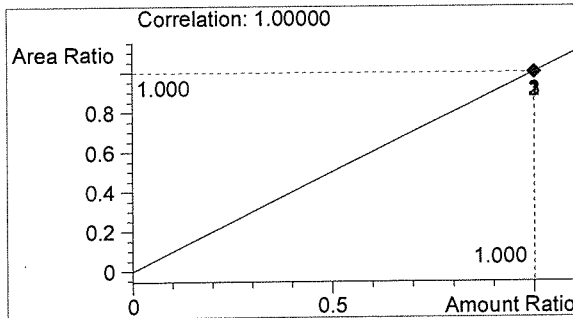


#	Compound	Peak Area	RT (min)
1	Ethanol	2291	1.084
2	n-Propanol	2883	1.763



Ethanol 0.190 g/100mL

BW



n-Propanol 0.012 g/100mL

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Inj. Date: 2/2/2017 8:32:14 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

Operator: Andrew Gingras

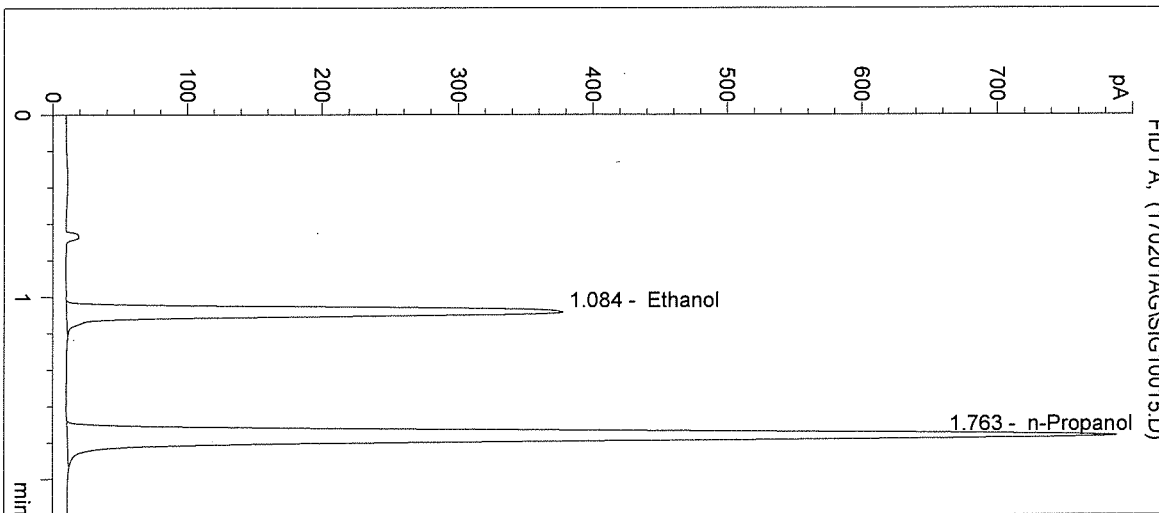
Column: DB-ALC1

Location: Vial 15

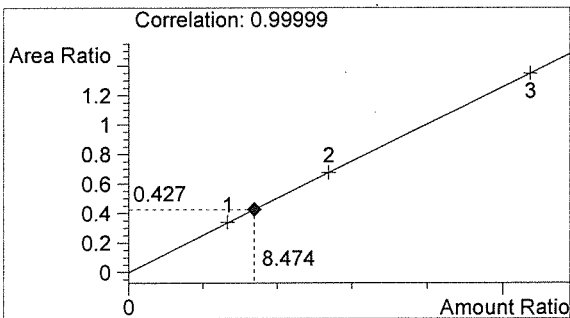
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: POS CTRL: 0.10 g/100mL
 17015

->

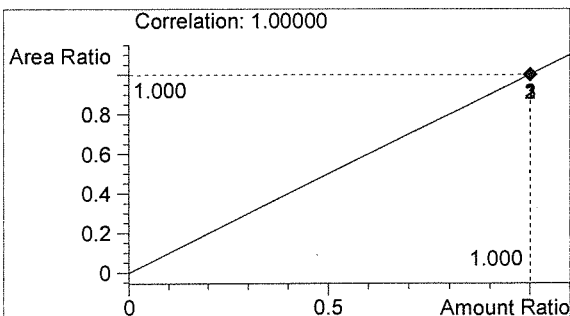


#	Compound	Peak Area	RT (min)
1	Ethanol	1255	1.084
2	n-Propanol	2938	1.763



Ethanol 0.102 g/100mL

AW



n-Propanol 0.012 g/100mL

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Inj. Date: 2/2/2017 8:35:27 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

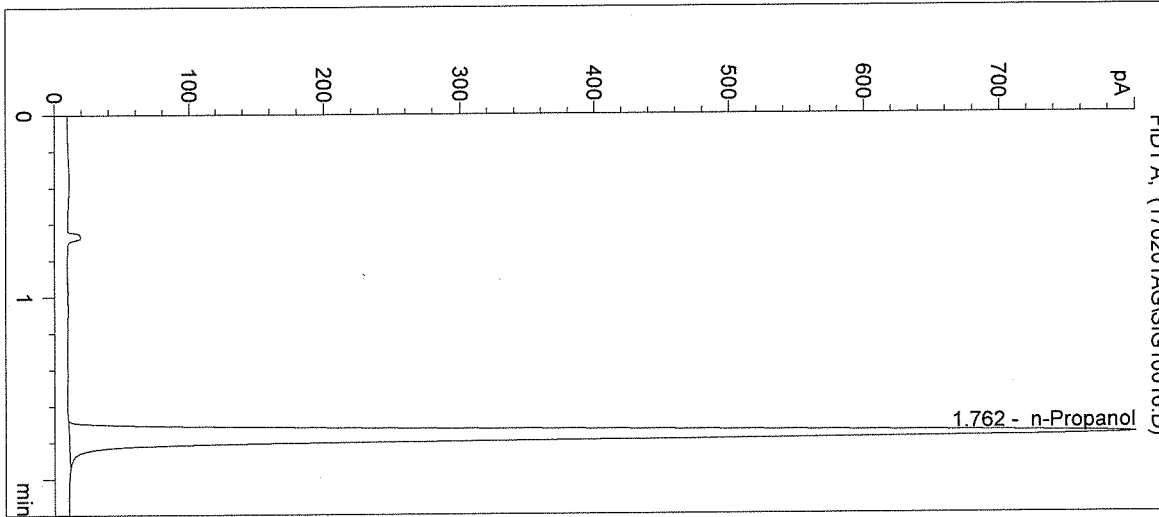
Operator: Andrew Gingras

Column: DB-ALC1

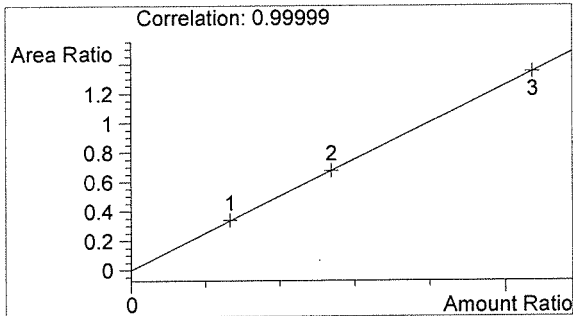
Location: Vial 16

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

Sample Info: 17015

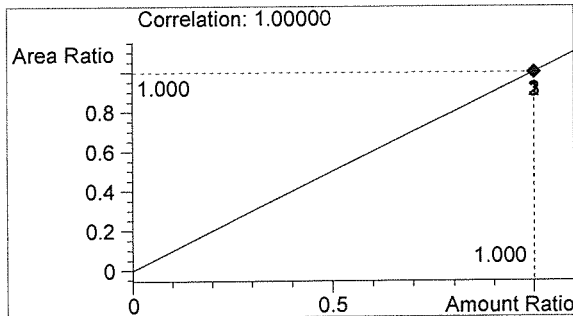


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2987	1.762



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

AG