



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17039

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 05/08/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

	RF	CM	AG
1	0.050	0.050	0.050
2	0.050	0.051	0.050
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.051	0.051	0.050
C	0.102	0.101	0.101

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0504 g/100mL PRECISION CV (%): 1.01
STANDARD DEVIATION: 0.00051 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0410 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas
Brittany Thomas Forensic Scientist Supervisor

5/31/17
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>	05/08/2017
CM	Christie Mitchell-Mata	<i>Christie Mitchell-Mata</i>	05/09/2017
AG	Andrew Gingras	<i>Andrew Gingras</i>	05/10/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 5-31-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17039

	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: 5-31-17

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

QAP Solution Batch #: 17039

Date Prepared: 5/8/2017

Analyst:	RF	CM	AG
Date Tested:	5/8/2017	5/9/2017	5/10/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.050	0.050	0.050
2	0.050	0.051	0.050
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.051	0.051	0.050
C	0.102	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000067487	0.0000108206	0.0001016326

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

Average Solution Concentration: 0.0504 g/100mL
Standard Deviation: 0.00051 g/100mL
Precision CV (%): 1.01
Equivalent Vapor Concentration: 0.0410 g/210L
Combined Standard Uncertainty (\pm): 0.0005 g/210L
Expanded Uncertainty (\pm): 0.0010 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas Brittany Thomas 5/24/17
Name Signature Date

Calculations verified by: Amanda H. Black [Signature] 5-31-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brittany Thomas Brittany Thomas 5/24/17
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	<i>AG</i>	5/26/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata	<i>CM</i>	5/26/17
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty	RF	5/30/17

17039

Batch # _____

BT 5/24/17

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17039**

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17039, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

 5/30/17

Rebecca Flaherty

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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17039**

I, Christie Mitchell-Mata, 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: BA degree in Chemistry, MFS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17039, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

Handwritten signature of Christie Mitchell-Mata, dated 5/20/17.

Christie Mitchell-Mata

Date

Forensic Toxicologist



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

**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17039**

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 17039, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

 5/20/2017

Andrew Gingras
Forensic Scientist

Date



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

Preparation Date: 5-8-17 Expiration Date: 5-8-18 Initials of Preparer: RF

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

Date the 200-proof Ethanol bottle was opened: 4-12-17

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 checked="" type="checkbox"/>	<u>17039</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17040</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u> </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17041</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17042</u>
ESS	66.5	52	<input type="checkbox"/>	<u> </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed 5.8.17
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:

[Signature]
Analyst Signature

5.8.17
Date

17039
RF
5/24/17

Sequence Parameters:

Operator: Rebecca Flaherty
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170508RF
 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
 Diluter #1
 Calibration vials 1-9 filed with 17039.

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 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	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17039-1	SIMALC1	1	Sample		
11	Vial 11	17039-2	SIMALC1	1	Sample		
12	Vial 12	17039-3	SIMALC1	1	Sample		
13	Vial 13	17039-4	SIMALC1	1	Sample		
14	Vial 14	17039-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17040-1	SIMALC1	1	Sample		
18	Vial 18	17040-2	SIMALC1	1	Sample		
19	Vial 19	17040-3	SIMALC1	1	Sample		
20	Vial 20	17040-4	SIMALC1	1	Sample		
21	Vial 21	17040-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17041-1	SIMALC1	1	Sample		
25	Vial 25	17041-2	SIMALC1	1	Sample		
26	Vial 26	17041-3	SIMALC1	1	Sample		

17039
 RF
 5/24/17

RF

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17041-4	SIMALC1	1	Sample		
28	Vial 28	17041-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17042-1	SIMALC1	1	Sample		
32	Vial 32	17042-2	SIMALC1	1	Sample		
33	Vial 33	17042-3	SIMALC1	1	Sample		
34	Vial 34	17042-4	SIMALC1	1	Sample		
35	Vial 35	17042-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17043-1	SIMALC1	1	Sample		
39	Vial 39	17043-2	SIMALC1	1	Sample		
40	Vial 40	17043-3	SIMALC1	1	Sample		
41	Vial 41	17043-4	SIMALC1	1	Sample		
42	Vial 42	17043-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG 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		
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!

17039
RF
5/22/17

RF

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

Calib. Data Modified : Monday, May 08, 2017 1:53:27 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 [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
1.084	1 1	7.91500e-2	940.77454	8.41328e-5	1	Ethanol
		1.58300e-1	1867.38147	8.47711e-5		
		3.19520e-1	3706.89893	8.61960e-5		
1.763	1 1	1.20000e-2	2614.70605	4.58943e-6	I1	n-Propanol
		1.20000e-2	2608.29126	4.60071e-6		
		1.20000e-2	2597.63989	4.61958e-6		

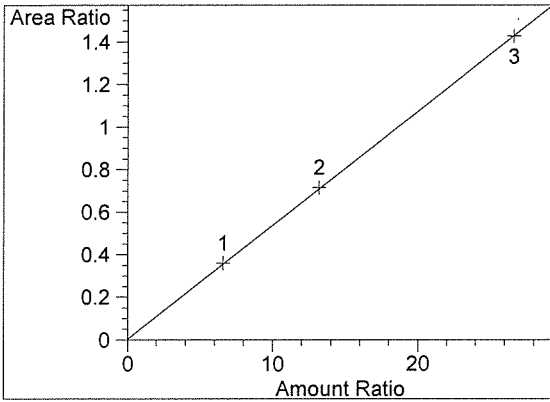
=====
Peak Sum Table
=====

No Entries in table
=====

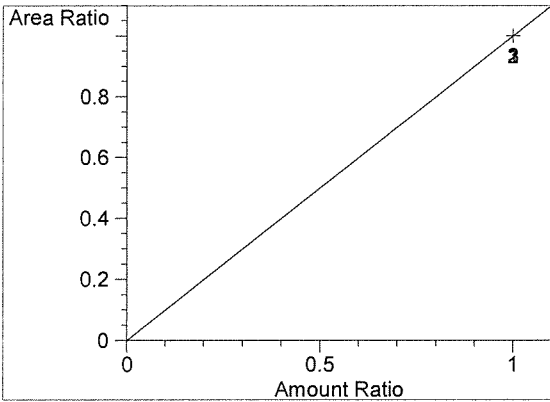
Handwritten notes:
5/8/2017
Z17039
RF
5/24/17

Handwritten note:
RF

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



Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00552
Formula: $y = mx + b$
m: 5.35491e-2
b: 4.33270e-3
x: Amount Ratio
y: Area Ratio



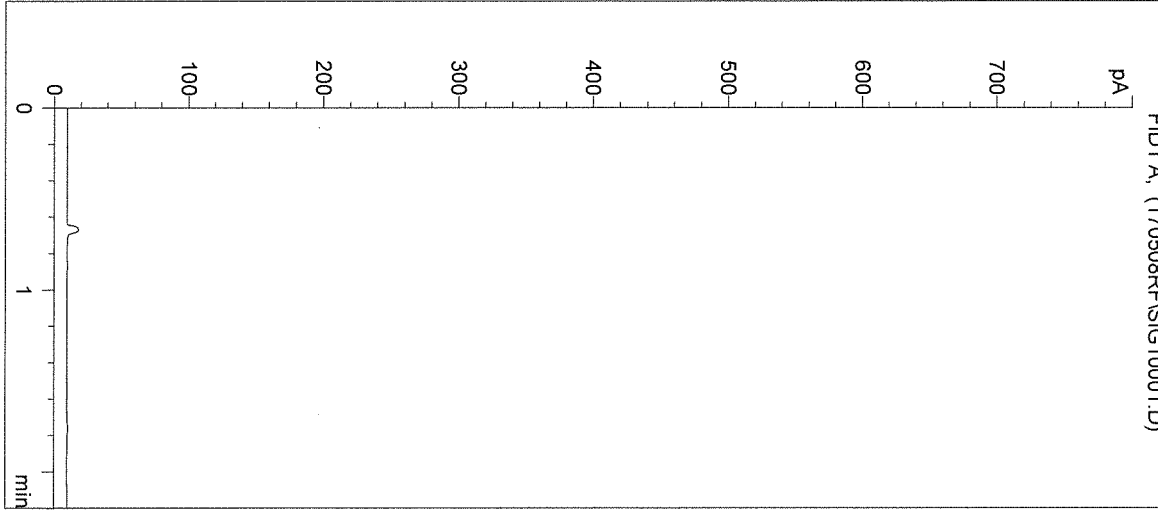
n-Propanol at exp. RT: 1.763
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17039
RT
5/21/17

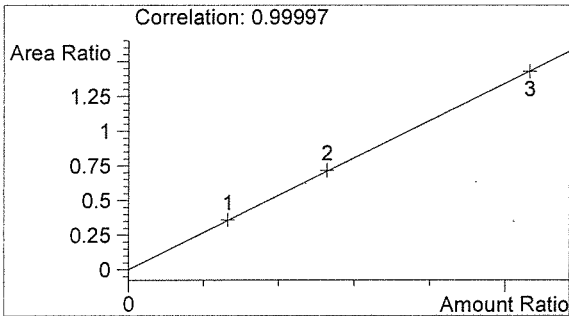
RF

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

Inj. Date: 5/8/2017 1:41:22 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17039

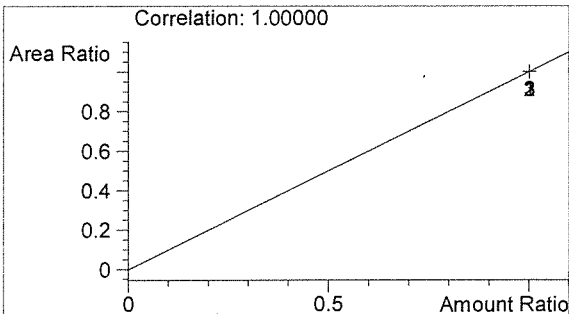


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

RF



n-Propanol 0.000 g/100mL

RF

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

Inj. Date: 5/8/2017 1:44:41 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

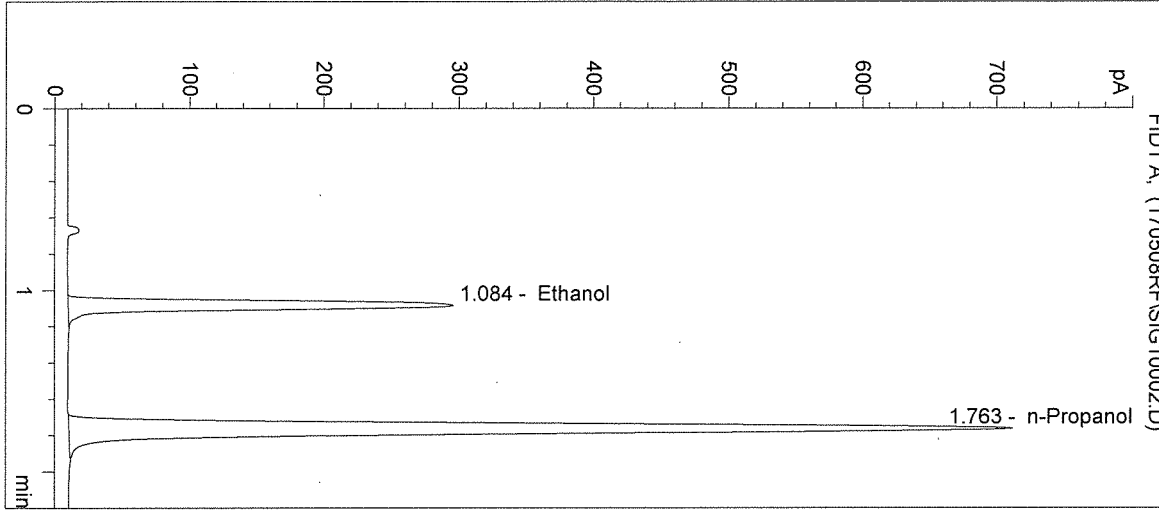
Operator: Rebecca Flaherty

Column: DB-ALC1

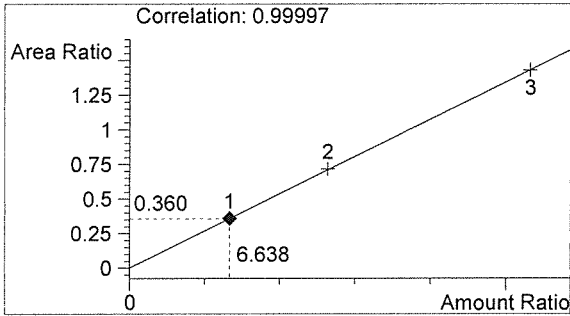
Location: Vial 2

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

Sample Info: 17039

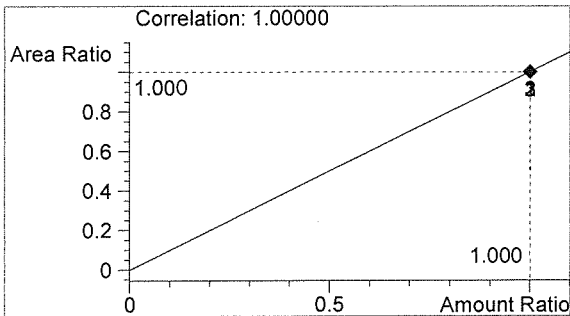


#	Compound	Peak Area	RT (min)
1	Ethanol	941	1.084
2	n-Propanol	2615	1.763



Ethanol 0.080 g/100mL

MA



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 1:47:57 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

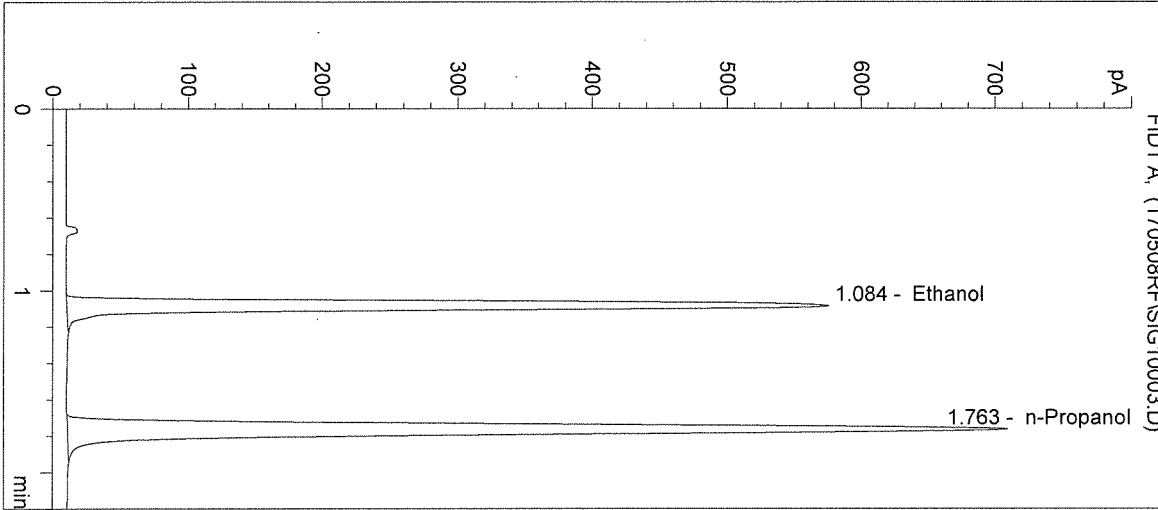
Operator: Rebecca Flaherty

Column: DB-ALC1

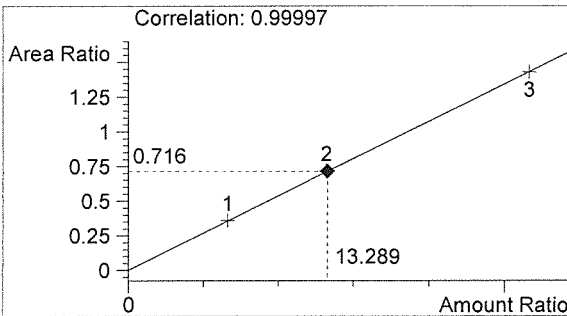
Location: Vial 3

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

Sample Info: 17039

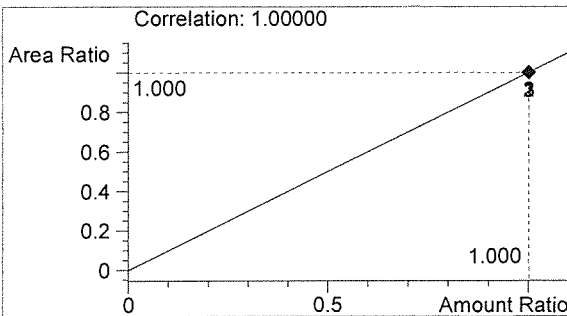


#	Compound	Peak Area	RT (min)
1	Ethanol	1867	1.084
2	n-Propanol	2608	1.763



Ethanol 0.159 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 1:51:14 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

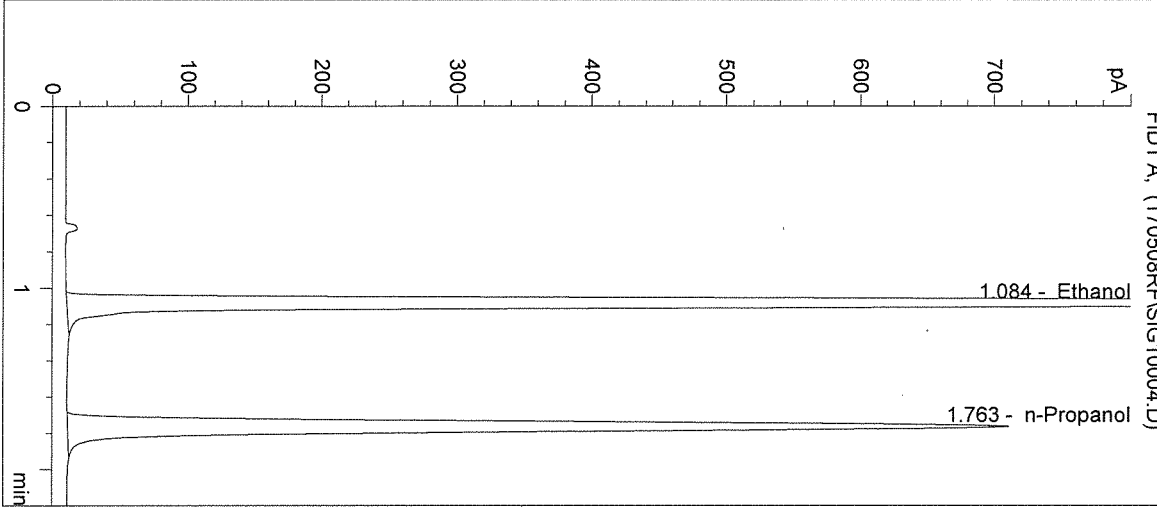
Operator: Rebecca Flaherty

Column: DB-ALC1

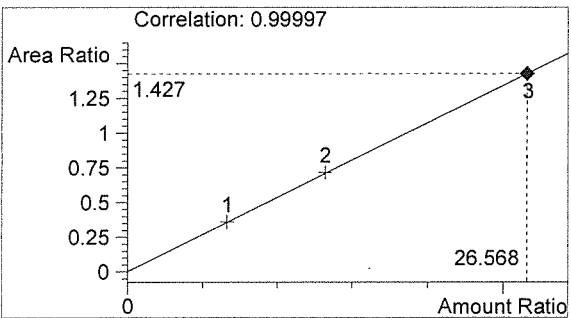
Location: Vial 4

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

Sample Info: 17039

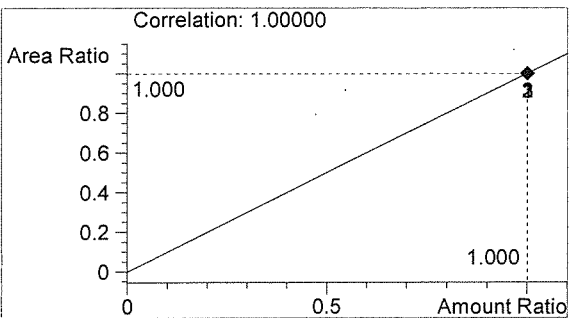


#	Compound	Peak Area	RT (min)
1	Ethanol	3707	1.084
2	n-Propanol	2598	1.763



Ethanol 0.319 g/100mL

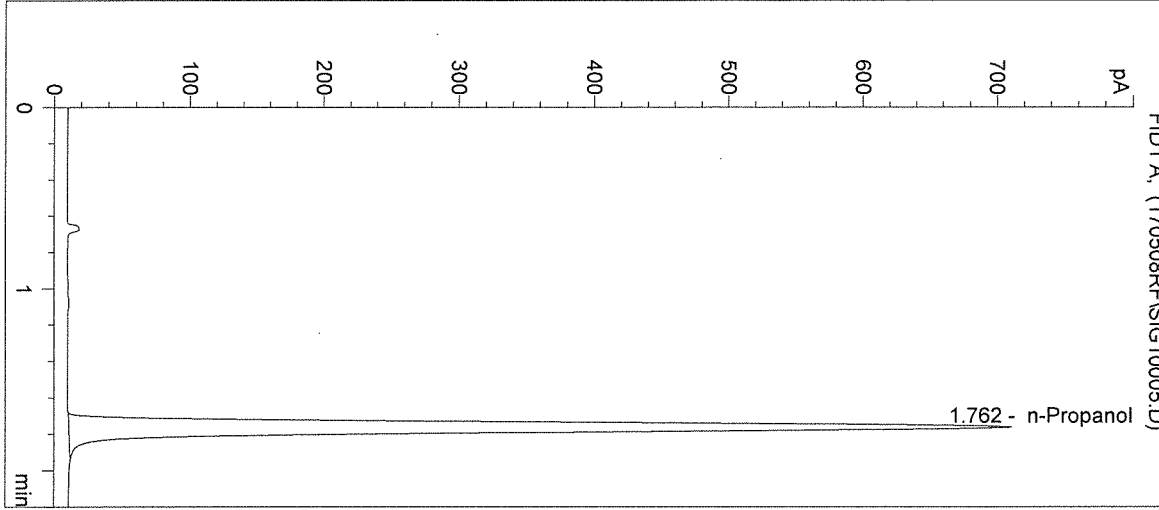
RF



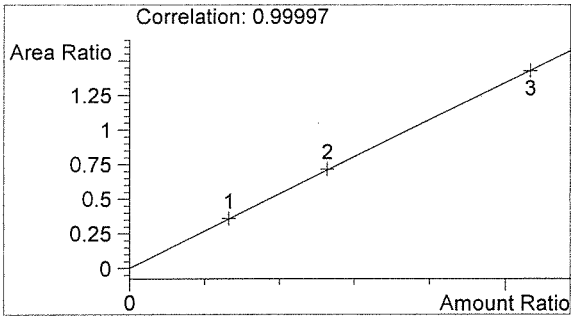
n-Propanol 0.012 g/100mL

RF

Inj. Date: 5/8/2017 1:54:28 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17039

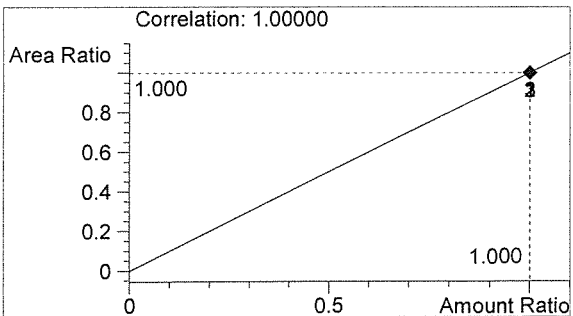


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2605	1.762



Ethanol 0.000 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 1:57:41 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

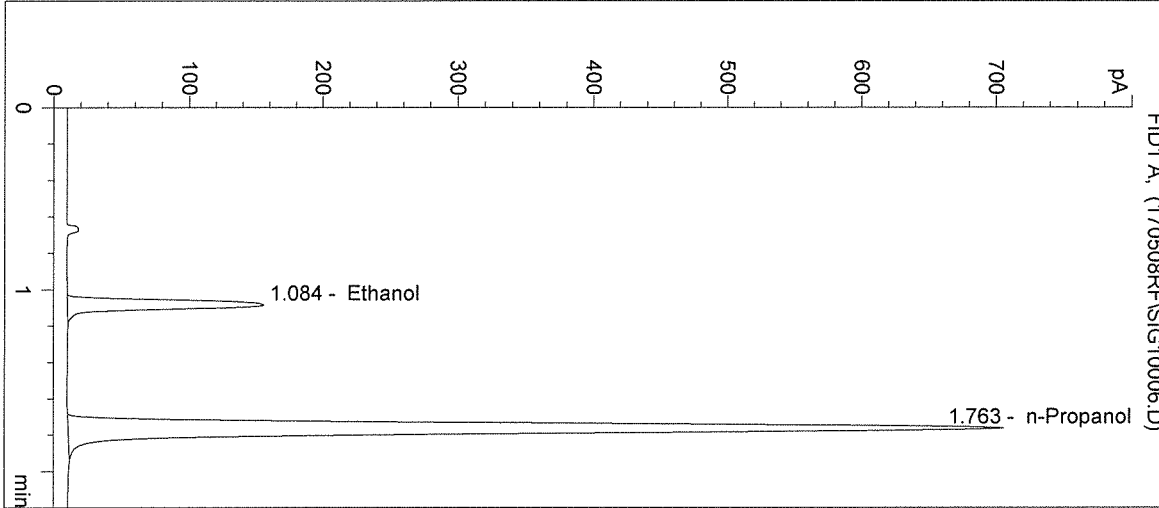
Operator: Rebecca Flaherty

Column: DB-ALC1

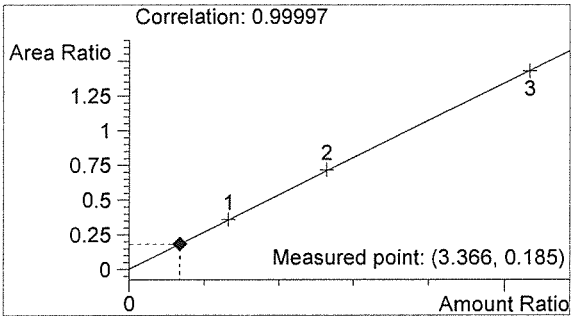
Location: Vial 6

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

Sample Info: 17039

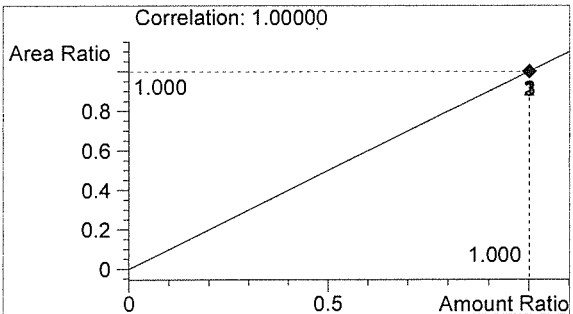


#	Compound	Peak Area	RT (min)
1	Ethanol	478	1.084
2	n-Propanol	2588	1.763



Ethanol 0.040 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:00:54 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

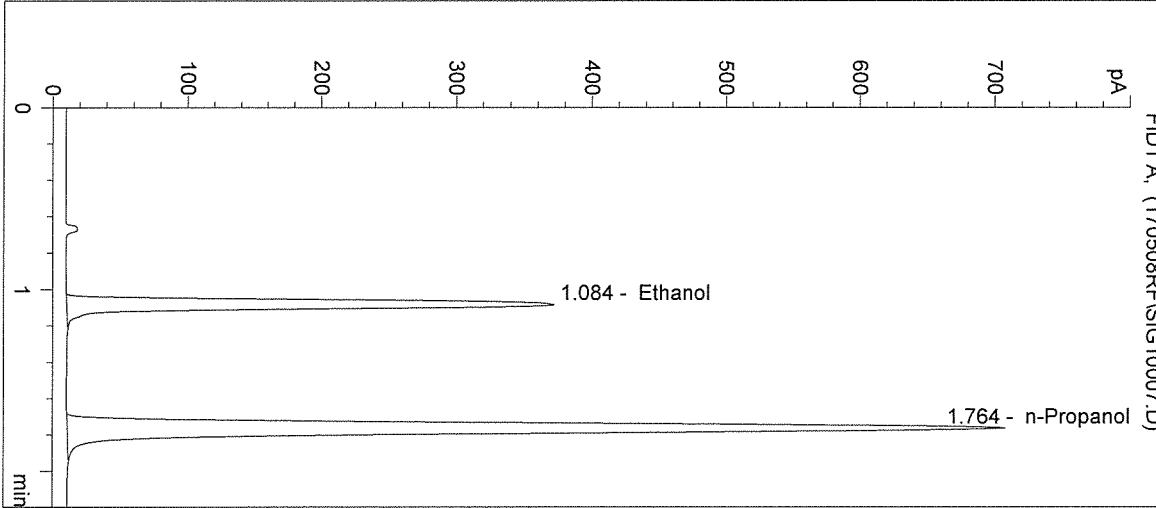
Operator: Rebecca Flaherty

Column: DB-ALC1

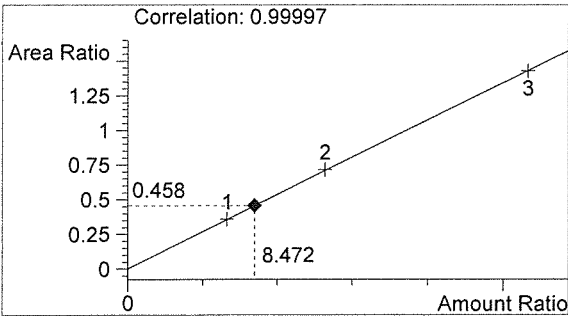
Location: Vial 7

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

Sample Info: 17039

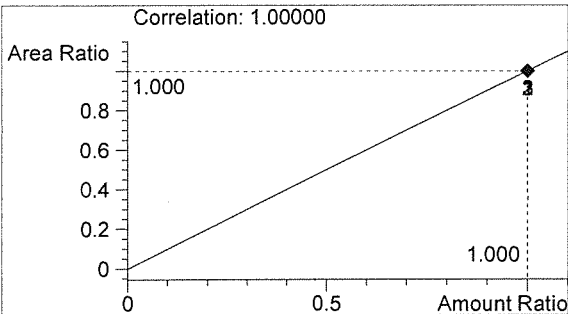


#	Compound	Peak Area	RT (min)
1	Ethanol	1191	1.084
2	n-Propanol	2601	1.764



Ethanol 0.102 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

Inj. Date: 5/8/2017 2:04:07 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

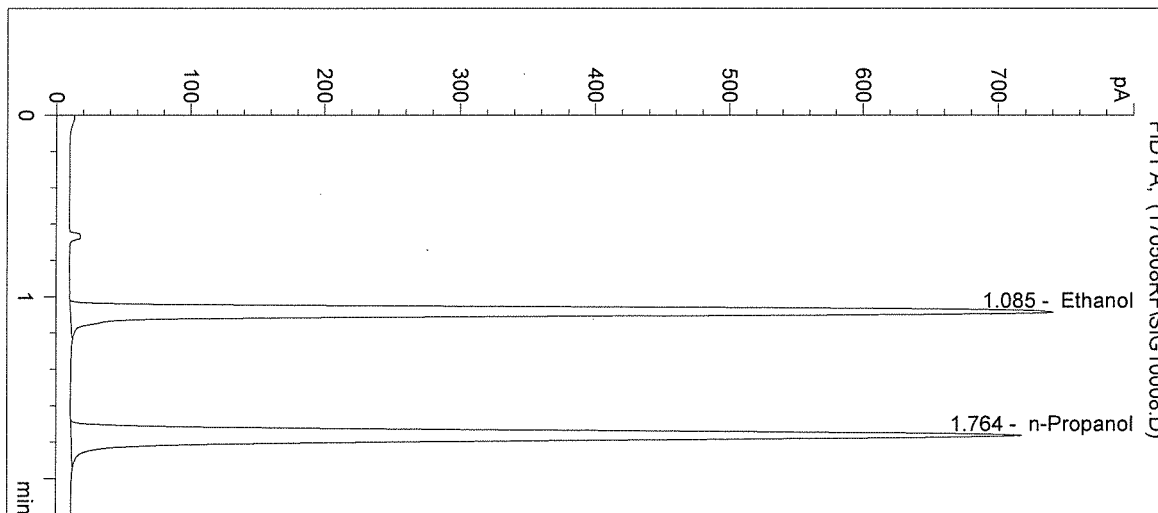
Operator: Rebecca Flaherty

Column: DB-ALC1

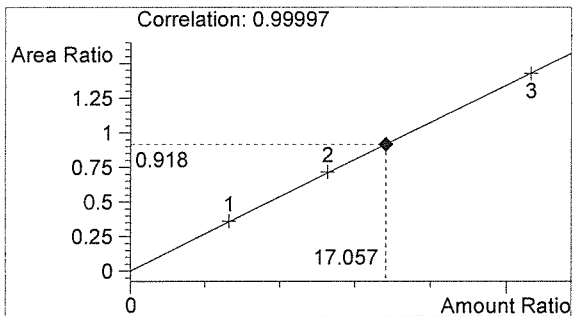
Location: Vial 8

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

Sample Info: 17039

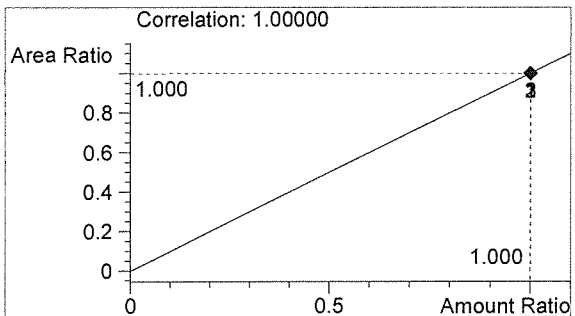


#	Compound	Peak Area	RT (min)
1	Ethanol	2411	1.085
2	n-Propanol	2627	1.764



Ethanol 0.205 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:07:21 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

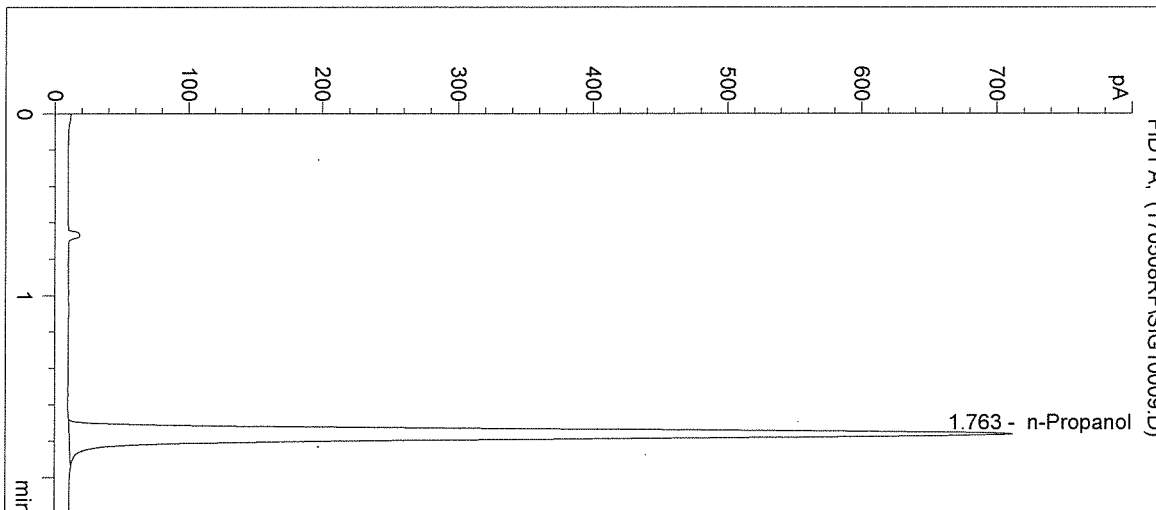
Operator: Rebecca Flaherty

Column: DB-ALC1

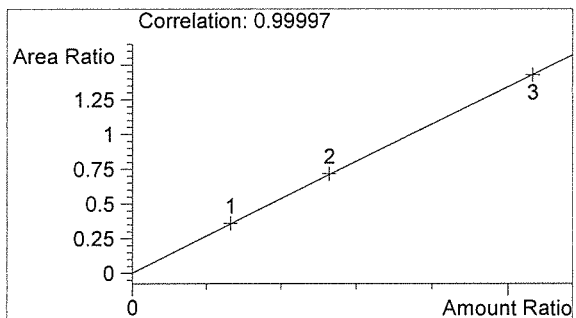
Location: Vial 9

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

Sample Info: 17039

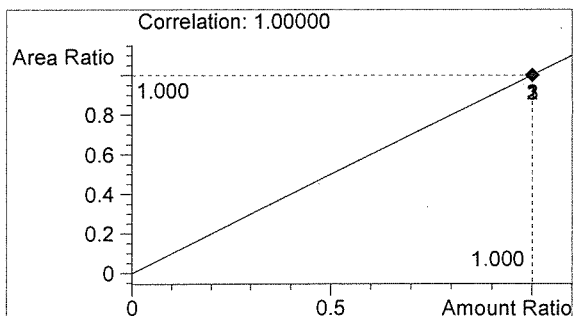


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2610	1.763



Ethanol 0.000 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:10:33 PM

Sample Name: 17039-1

Instrument: HSGC#1

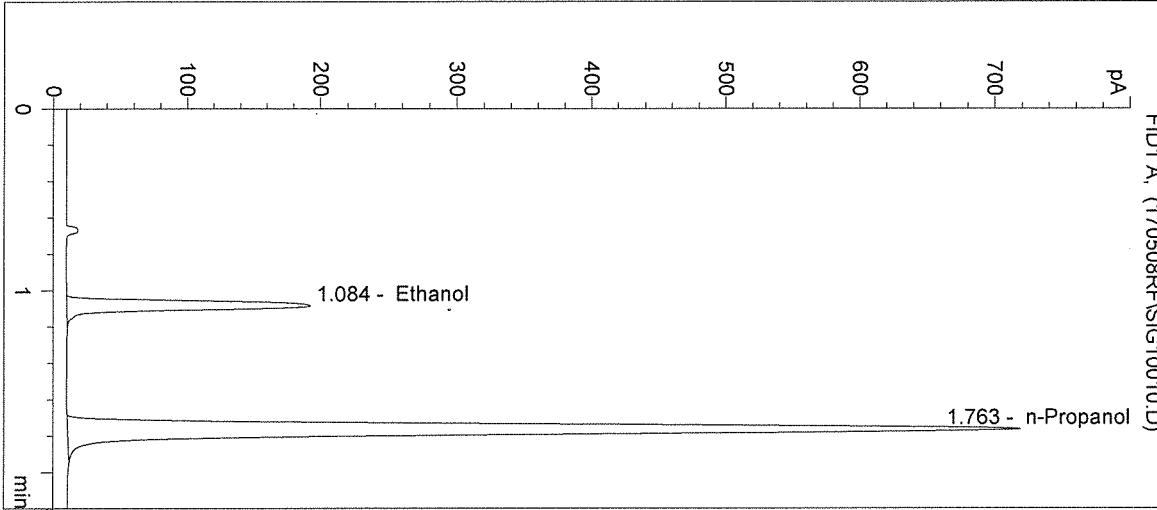
Operator: Rebecca Flaherty

Column: DB-ALC1

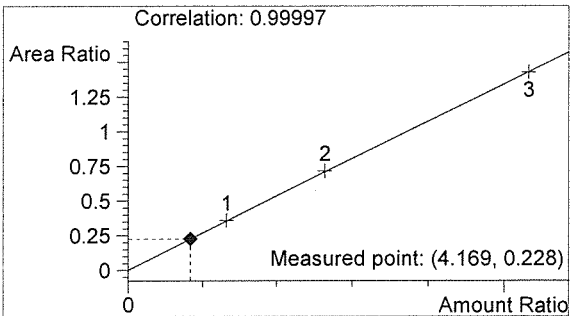
Location: Vial 10

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

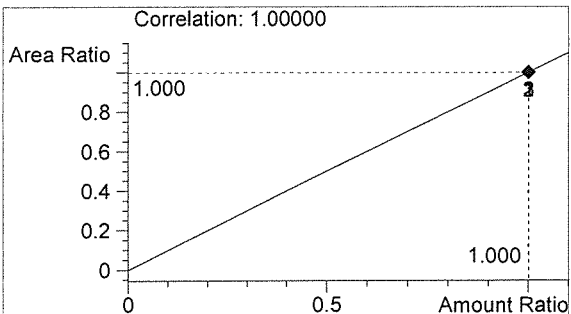
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	600	1.084
2	n-Propanol	2637	1.763



Ethanol 0.050 g/100mL *RA*



n-Propanol 0.012 g/100mL

RA

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

Inj. Date: 5/8/2017 2:13:48 PM

Sample Name: 17039-2

Instrument: HSGC#1

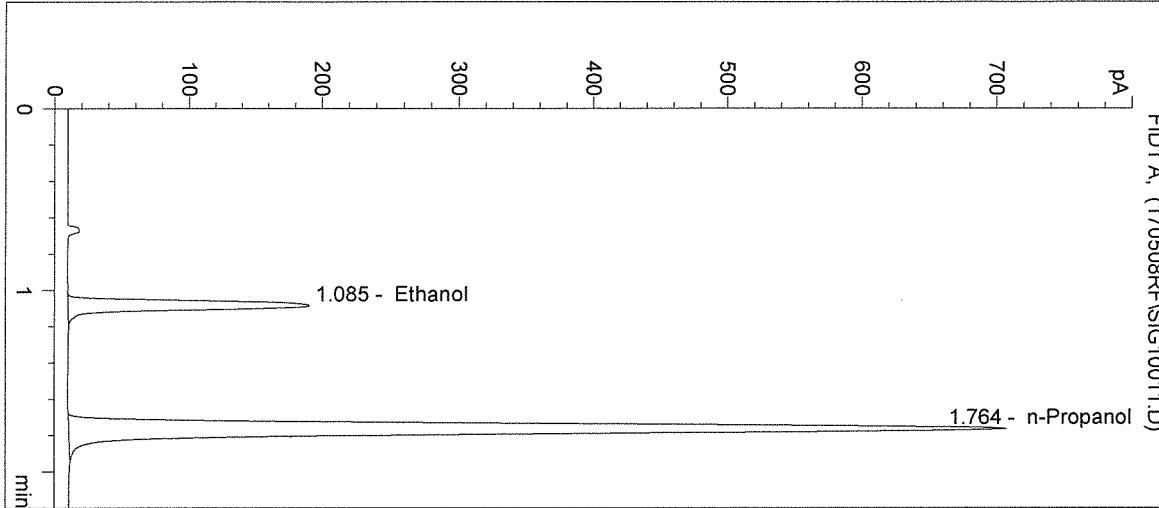
Operator: Rebecca Flaherty

Column: DB-ALC1

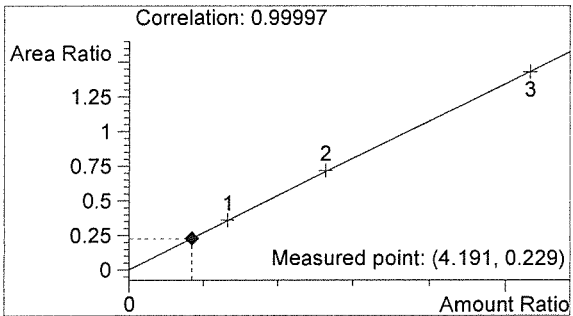
Location: Vial 11

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

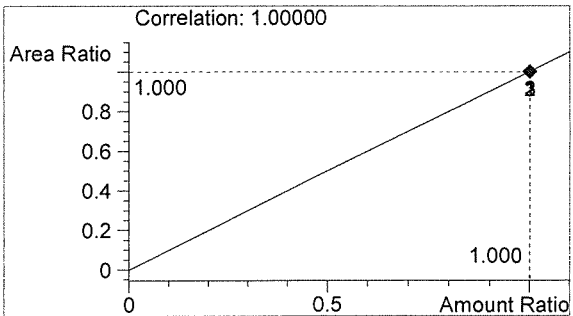
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	594	1.085
2	n-Propanol	2597	1.764



Ethanol 0.050 g/100mL *RA*



n-Propanol 0.012 g/100mL

RA

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

Inj. Date: 5/8/2017 2:17:00 PM

Sample Name: 17039-3

Instrument: HSGC#1

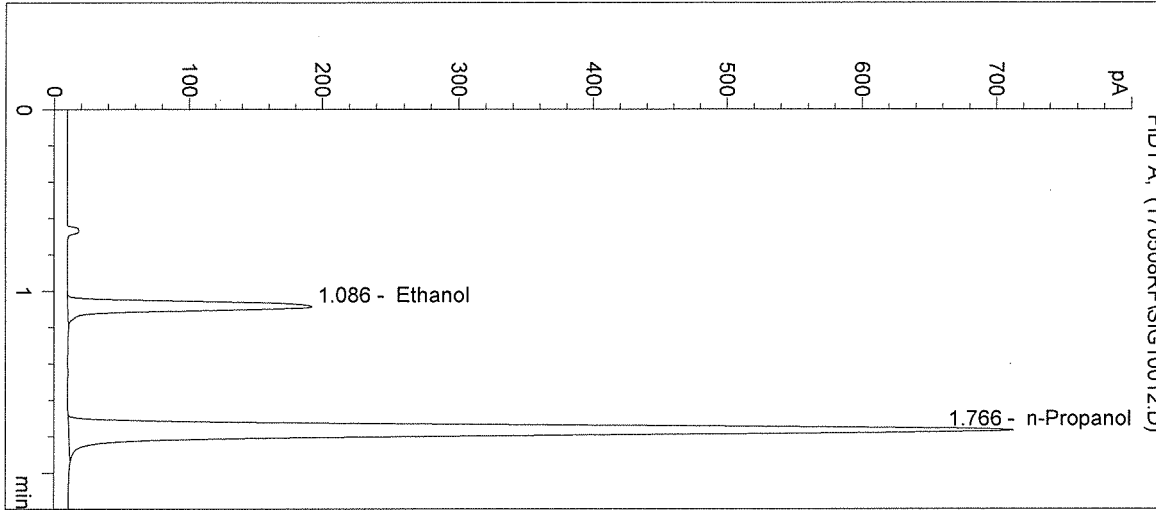
Operator: Rebecca Flaherty

Column: DB-ALC1

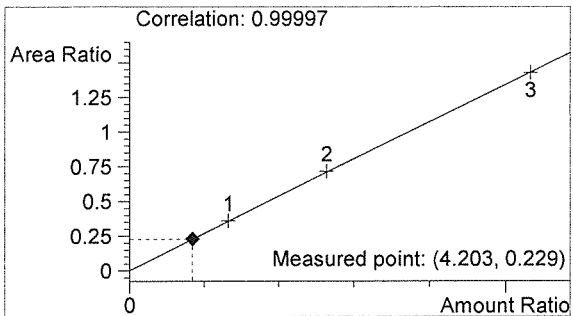
Location: Vial 12

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

Sample Info:

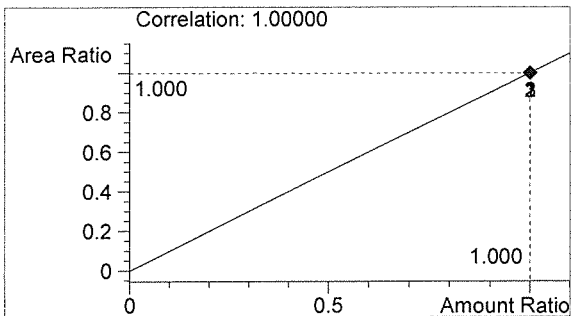


#	Compound	Peak Area	RT (min)
1	Ethanol	601	1.086
2	n-Propanol	2620	1.766



Ethanol 0.050 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:20:13 PM

Sample Name: 17039-4

Instrument: HSGC#1

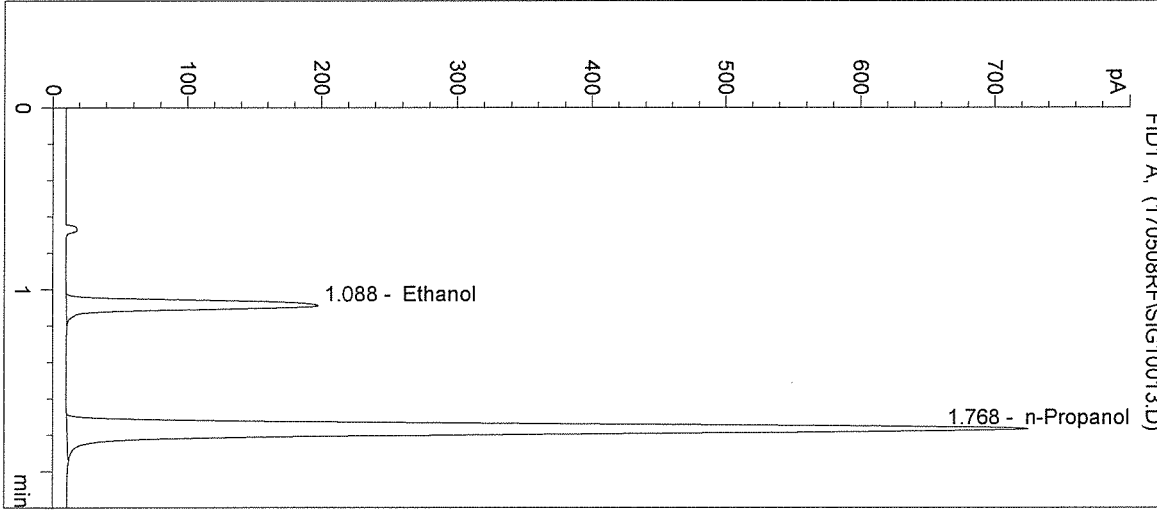
Operator: Rebecca Flaherty

Column: DB-ALC1

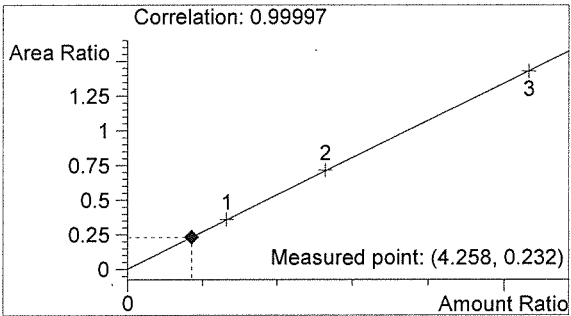
Location: Vial 13

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

Sample Info:

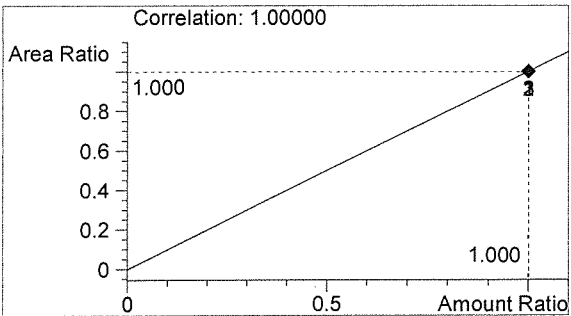


#	Compound	Peak Area	RT (min)
1	Ethanol	622	1.088
2	n-Propanol	2678	1.768



Ethanol 0.051 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:23:26 PM

Sample Name: 17039-5

Instrument: HSGC#1

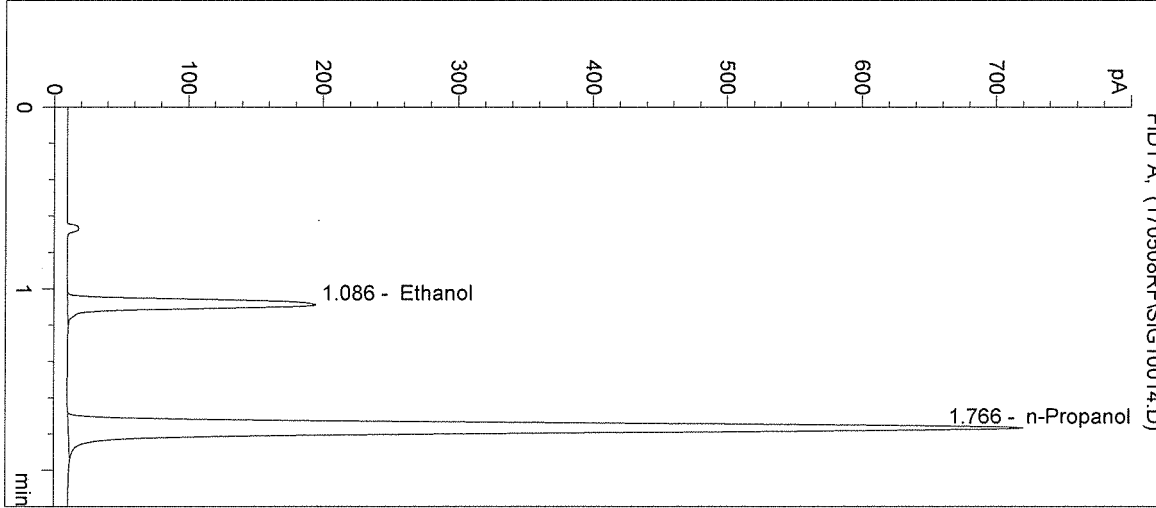
Operator: Rebecca Flaherty

Column: DB-ALC1

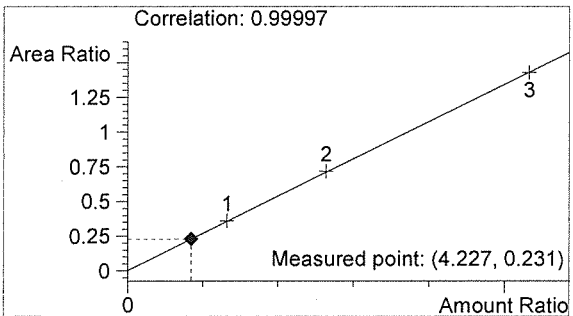
Location: Vial 14

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

Sample Info:

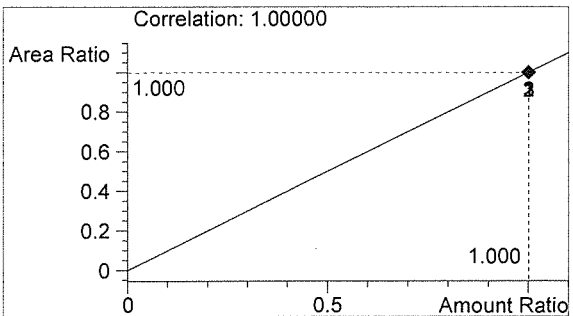


#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.086
2	n-Propanol	2643	1.766



Ethanol 0.051 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:26:39 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

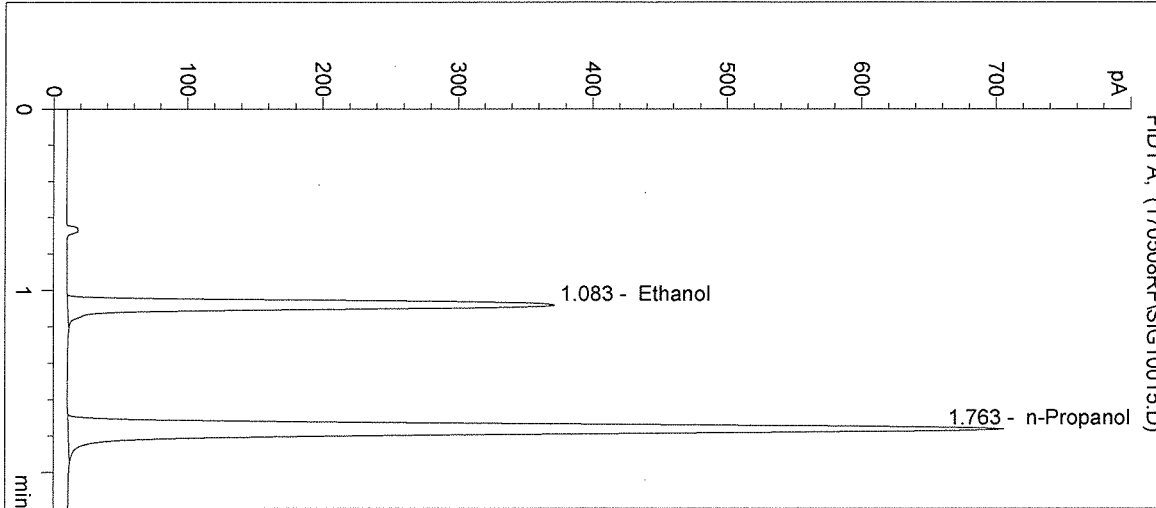
Operator: Rebecca Flaherty

Column: DB-ALC1

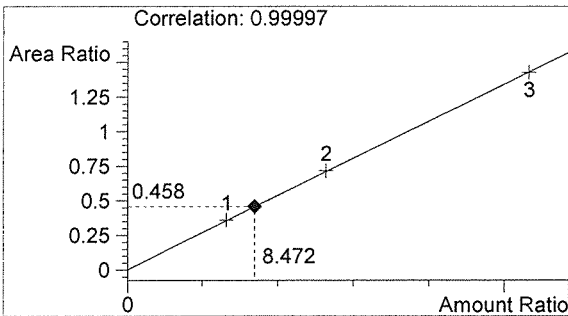
Location: Vial 15

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

Sample Info: 17039

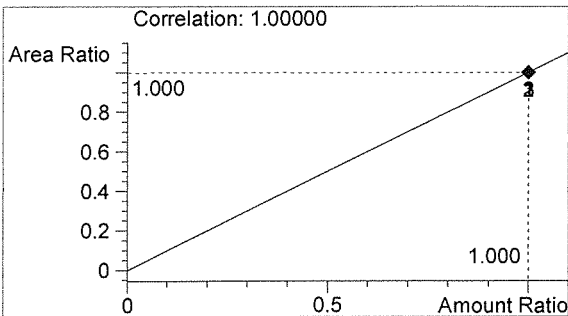


#	Compound	Peak Area	RT (min)
1	Ethanol	1182	1.083
2	n-Propanol	2581	1.763



Ethanol 0.102 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

Inj. Date: 5/8/2017 2:29:52 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

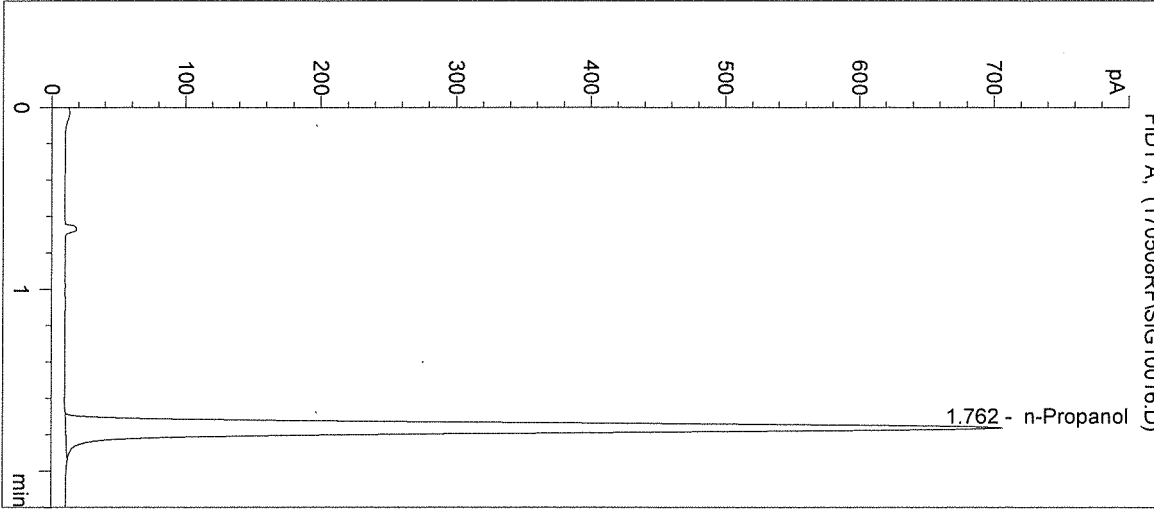
Operator: Rebecca Flaherty

Column: DB-ALC1

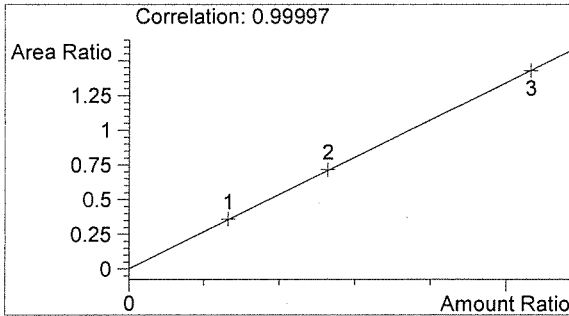
Location: Vial 16

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

Sample Info: 17039

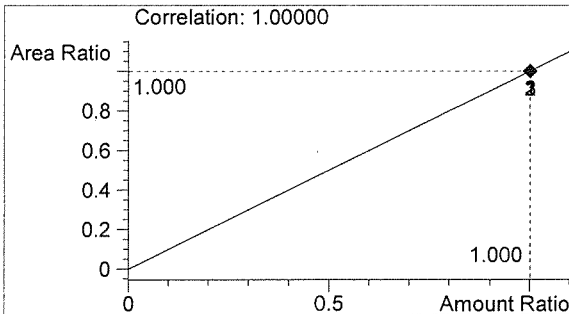


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2580	1.762



Ethanol 0.000 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

Sequence Parameters:

Operator: Christie Mitchell-Mata
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170509C2
 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
 Dilutor #1
 Calibration 1-9 filed with 17039

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	17039 #1	SIMALC1	1	Sample		
11	Vial 11	17039 #2	SIMALC1	1	Sample		
12	Vial 12	17039 #3	SIMALC1	1	Sample		
13	Vial 13	17039 #4	SIMALC1	1	Sample		
14	Vial 14	17039 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17040 #1	SIMALC1	1	Sample		
18	Vial 18	17040 #2	SIMALC1	1	Sample		
19	Vial 19	17040 #3	SIMALC1	1	Sample		
20	Vial 20	17040 #4	SIMALC1	1	Sample		
21	Vial 21	17040 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17041 #1	SIMALC1	1	Sample		
25	Vial 25	17041 #2	SIMALC1	1	Sample		
26	Vial 26	17041 #3	SIMALC1	1	Sample		

17039
 PM
 5/22/17
 CM

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17041 #4	SIMALC1	1	Sample		
28	Vial 28	17041 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17042 #1	SIMALC1	1	Sample		
32	Vial 32	17042 #2	SIMALC1	1	Sample		
33	Vial 33	17042 #3	SIMALC1	1	Sample		
34	Vial 34	17042 #4	SIMALC1	1	Sample		
35	Vial 35	17042 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17043 #1	SIMALC1	1	Sample		
39	Vial 39	17043 #2	SIMALC1	1	Sample		
40	Vial 40	17043 #3	SIMALC1	1	Sample		
41	Vial 41	17043 #4	SIMALC1	1	Sample		
42	Vial 42	17043 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	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		
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!

*RF stall
1703
by
stall*

u

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

Calib. Data Modified : Tuesday, May 09, 2017 1:30:11 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 [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
1.087	1 1	7.91500e-2	942.24579	8.40014e-5	1	Ethanol
		2 1.58300e-1	1863.68542	8.49392e-5		
		3 3.19520e-1	3798.70386	8.41129e-5		
1.766	1 1	1.20000e-2	2623.08716	4.57476e-6	I1	n-Propanol
		2 1.20000e-2	2602.91211	4.61022e-6		
		3 1.20000e-2	2624.27319	4.57269e-6		

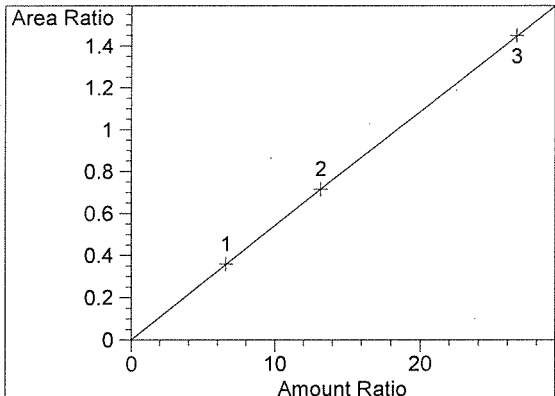
=====
 Peak Sum Table
 =====

No Entries in table
 =====

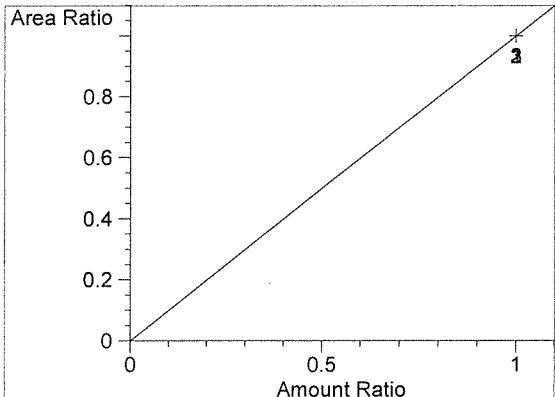
17039
 mt
 5/24/17

al

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



Ethanol at exp. RT: 1.087
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00089
Formula: $y = mx + b$
m: 5.43508e-2
b: 2.25256e-5
x: Amount Ratio
y: Area Ratio



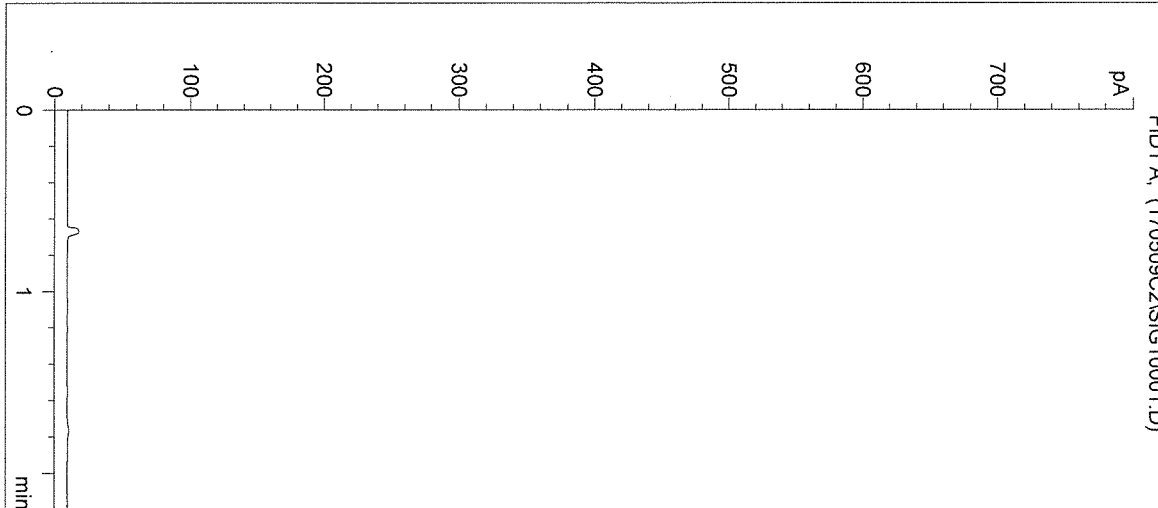
n-Propanol at exp. RT: 1.766
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17039
DPT
5/24/17

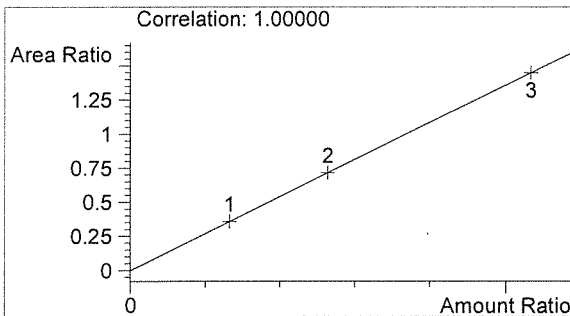
u

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

Inj. Date: 5/9/2017 1:18:05 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Christie Mitchell-Mata
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17039

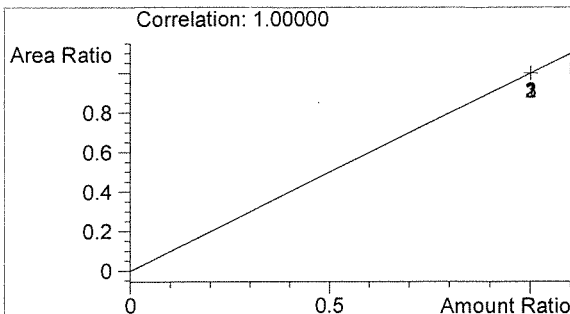


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

PA



n-Propanol 0.000 g/100mL

W

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

Inj. Date: 5/9/2017 1:21:23 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

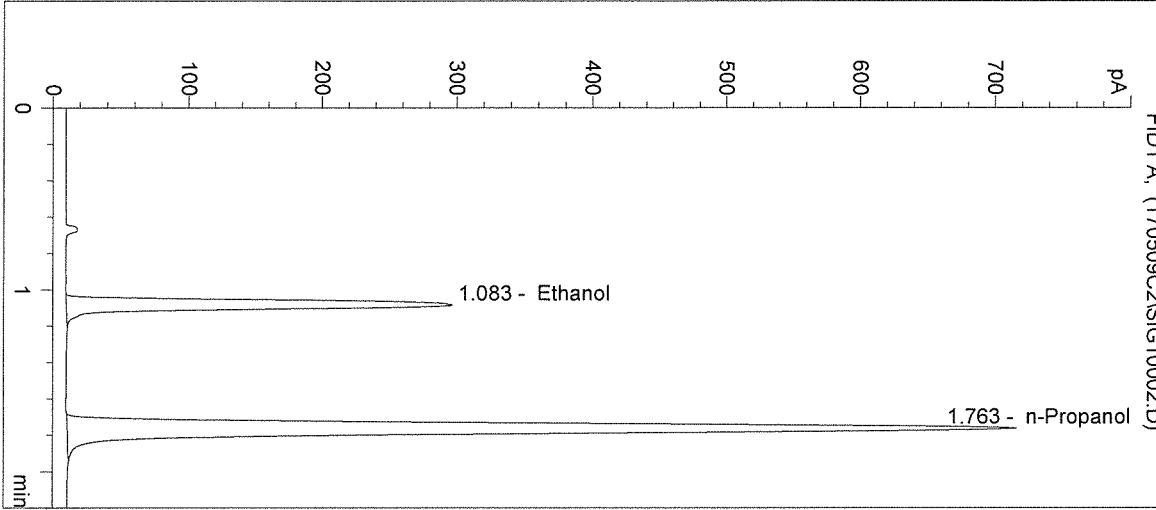
Operator: Christie Mitchell-Mata

Column: DB-ALC1

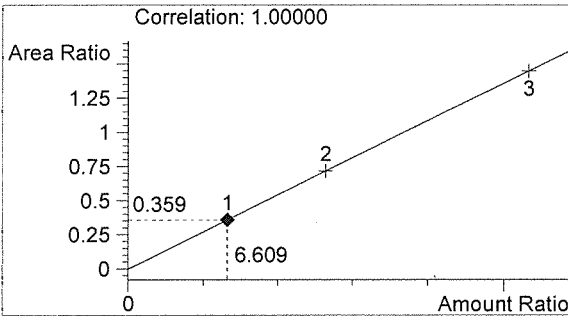
Location: Vial 2

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

Sample Info: 17039

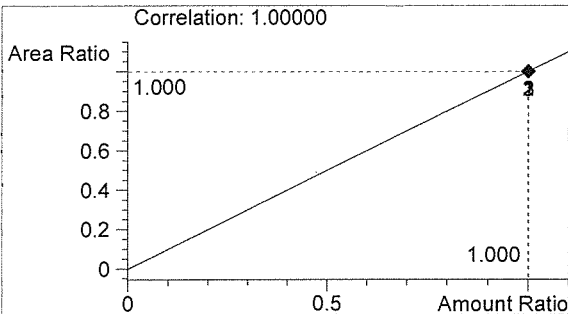


#	Compound	Peak Area	RT (min)
1	Ethanol	942	1.083
2	n-Propanol	2623	1.763



Ethanol 0.079 g/100mL

DOT



n-Propanol 0.012 g/100mL

an

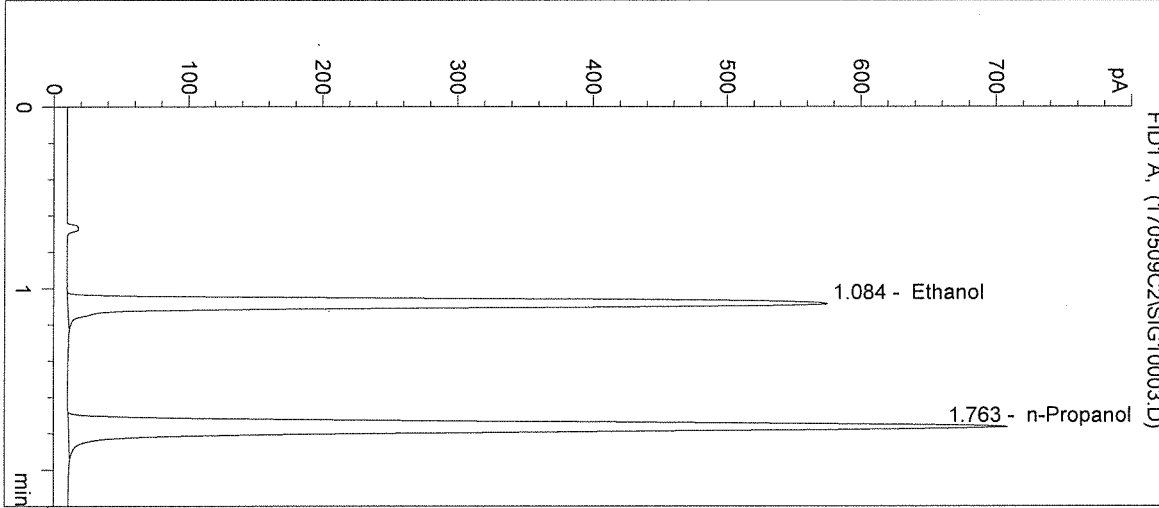
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/9/2017 1:24:40 PM
 Instrument: HSGC#1

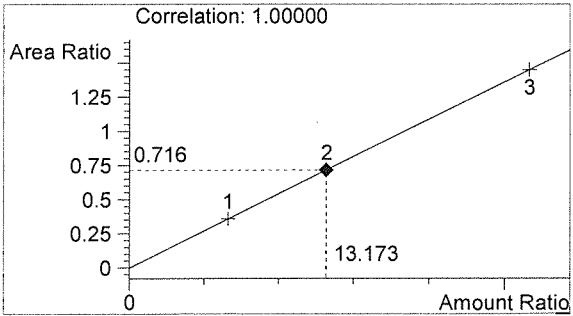
Sample Name: 0.158 CAL 2
 Operator: Christie Mitchell-Mata
 Location: Vial 3

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

Sample Info: 17039

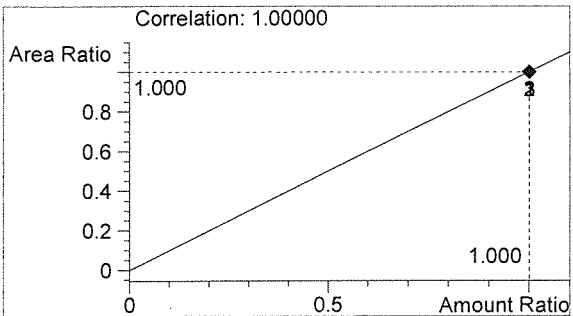


#	Compound	Peak Area	RT (min)
1	Ethanol	1864	1.084
2	n-Propanol	2603	1.763



Ethanol 0.158 g/100mL

BT



n-Propanol 0.012 g/100mL

u

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

Inj. Date: 5/9/2017 1:27:58 PM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

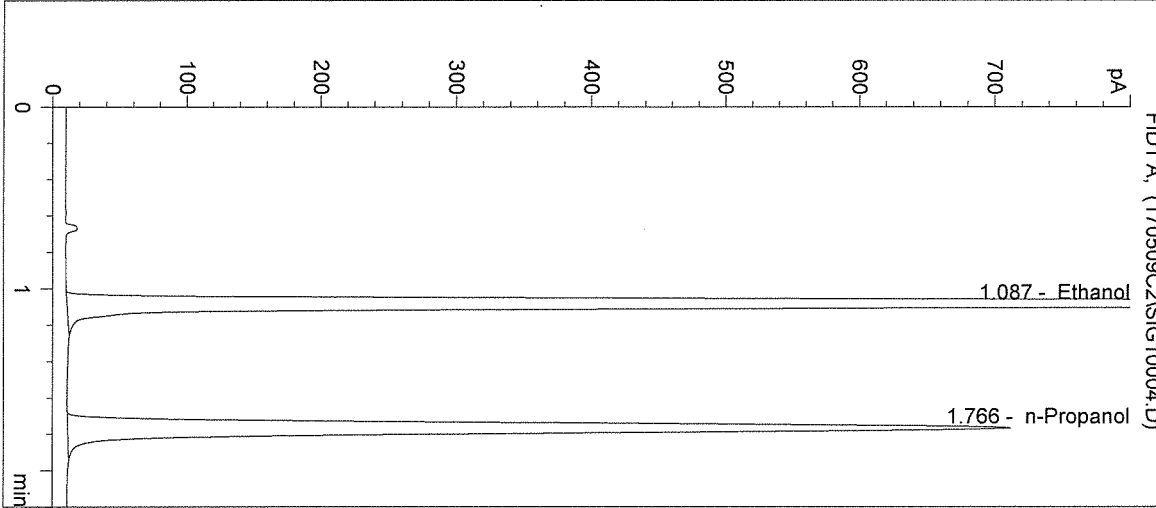
Operator: Christie Mitchell-Mata

Column: DB-ALC1

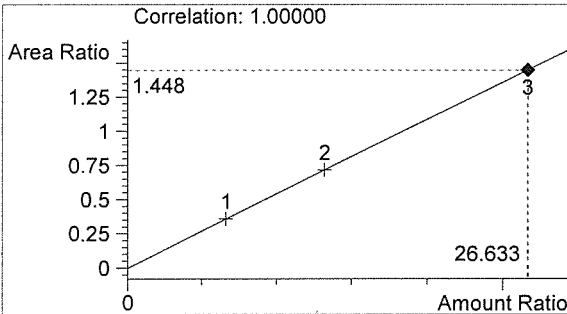
Location: Vial 4

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

Sample Info: 17039

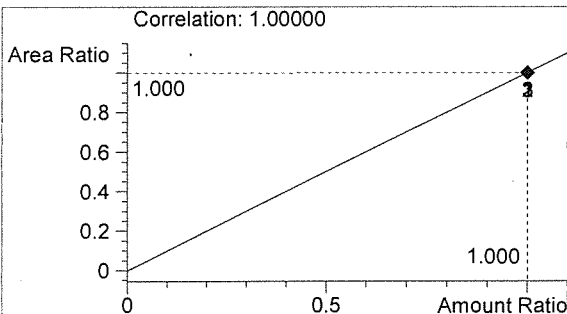


#	Compound	Peak Area	RT (min)
1	Ethanol	3799	1.087
2	n-Propanol	2624	1.766



Ethanol 0.320 g/100mL

BT



n-Propanol 0.012 g/100mL

AM

Inj. Date: 5/9/2017 1:31:11 PM

Sample Name: Negative CTRL

Instrument: HSGC#1

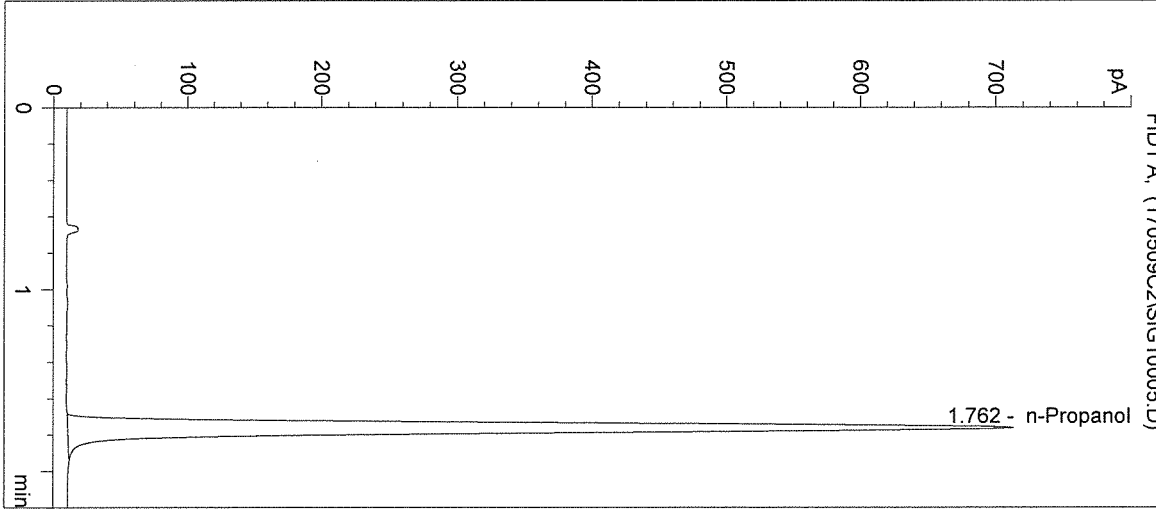
Operator: Christie Mitchell-Mata

Column: DB-ALC1

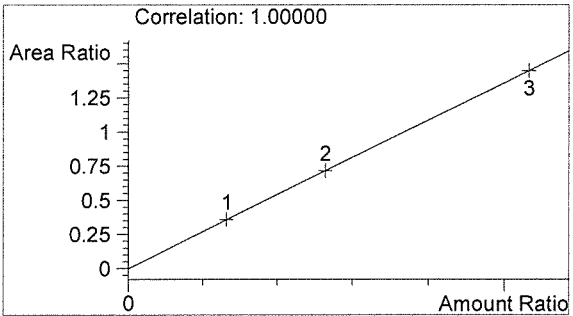
Location: Vial 5

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

Sample Info: 17039

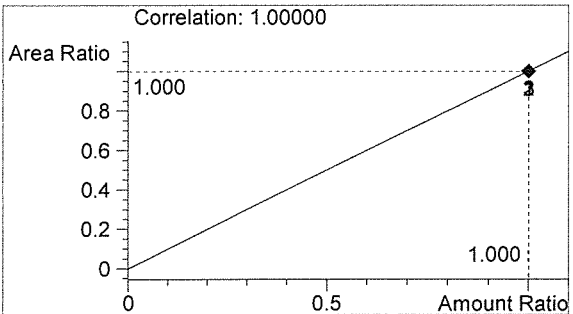


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2612	1.762



Ethanol 0.000 g/100mL

Handwritten initials



n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 5/9/2017 1:34:24 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

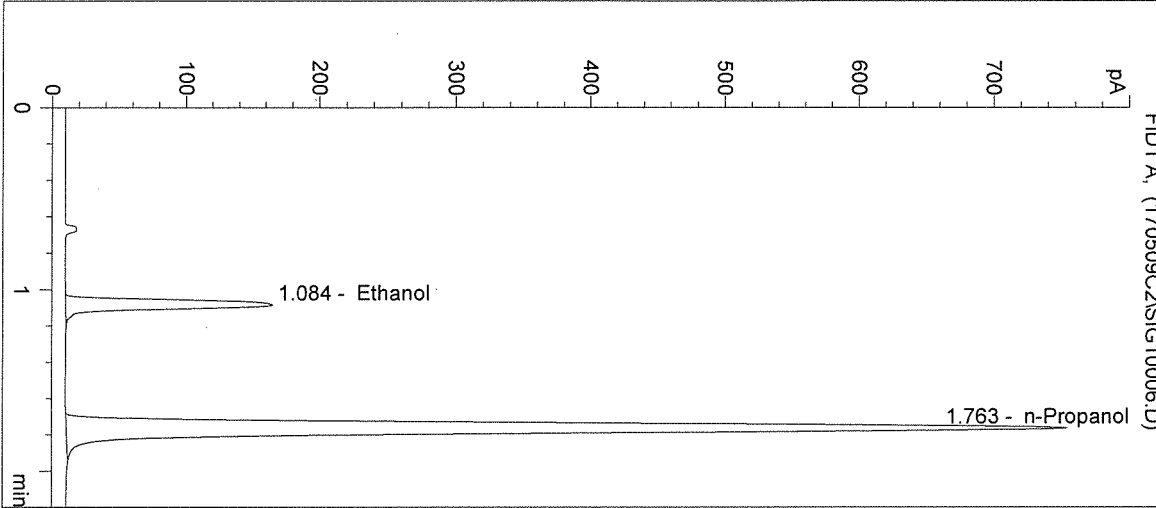
Operator: Christie Mitchell-Mata

Column: DB-ALC1

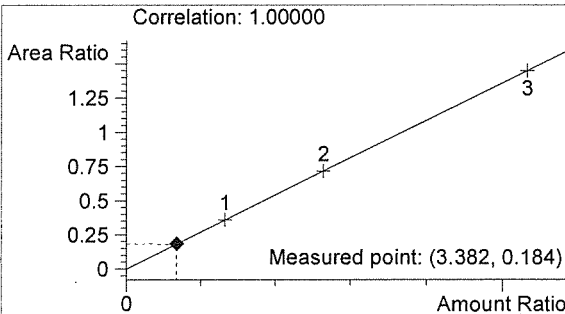
Location: Vial 6

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

Sample Info: 17039

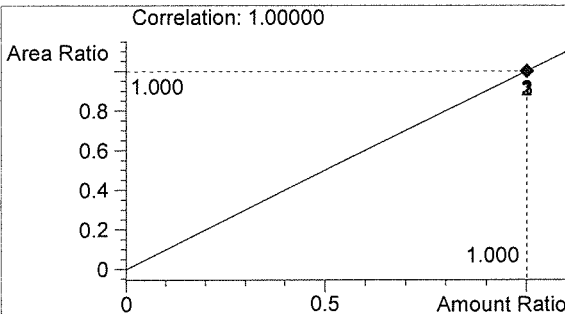


#	Compound	Peak Area	RT (min)
1	Ethanol	508	1.084
2	n-Propanol	2765	1.763



Ethanol 0.041 g/100mL

PT



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 5/9/2017 1:37:38 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

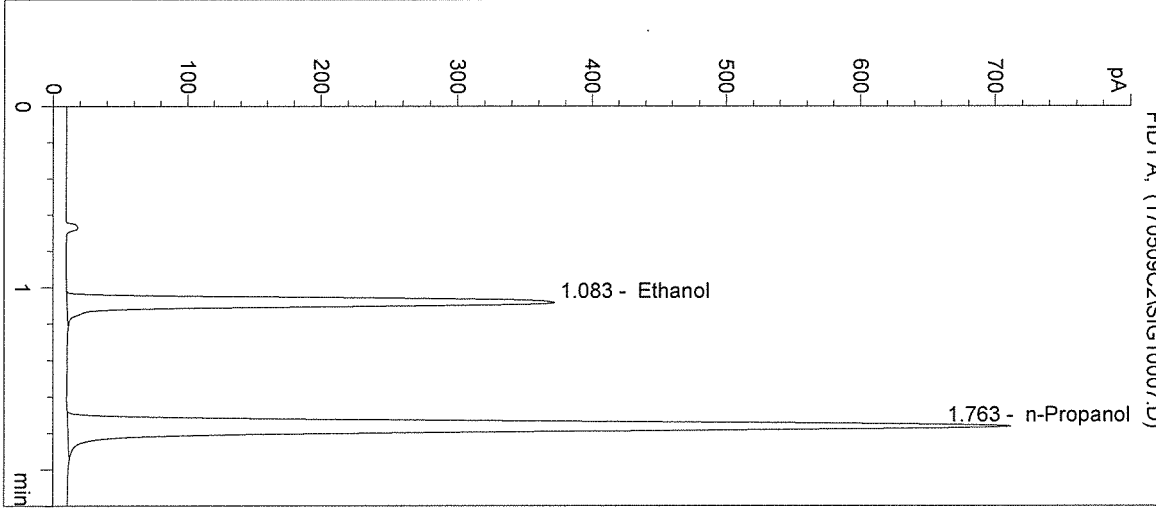
Operator: Christie Mitchell-Mata

Column: DB-ALC1

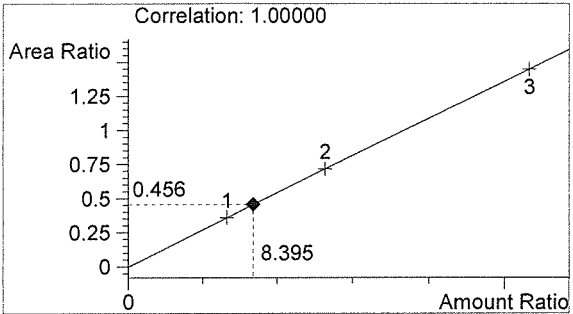
Location: Vial 7

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

Sample Info: 17039

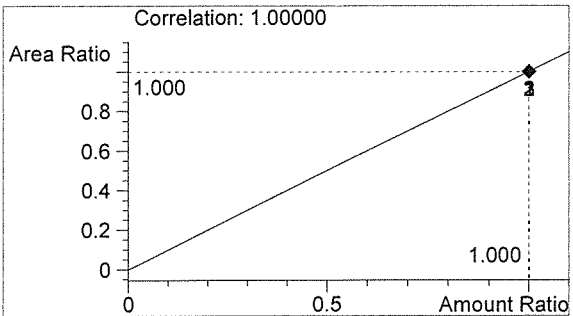


#	Compound	Peak Area	RT (min)
1	Ethanol	1192	1.083
2	n-Propanol	2613	1.763



Ethanol 0.101 g/100mL

not



n-Propanol 0.012 g/100mL

u

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

Inj. Date: 5/9/2017 1:40:51 PM

Sample Name: 0.20 CTRL

Instrument: HSGC#1

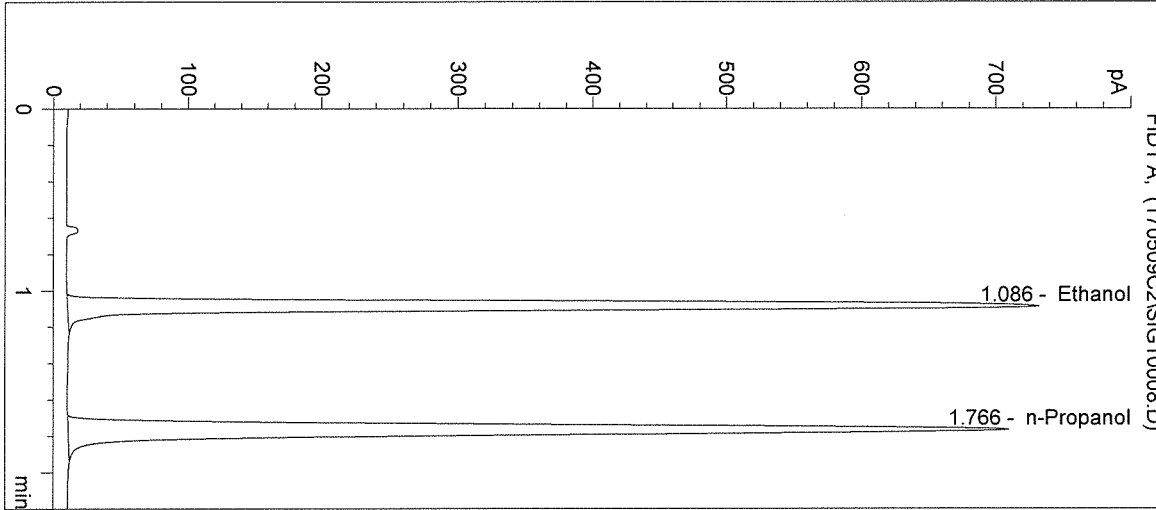
Operator: Christie Mitchell-Mata

Column: DB-ALC1

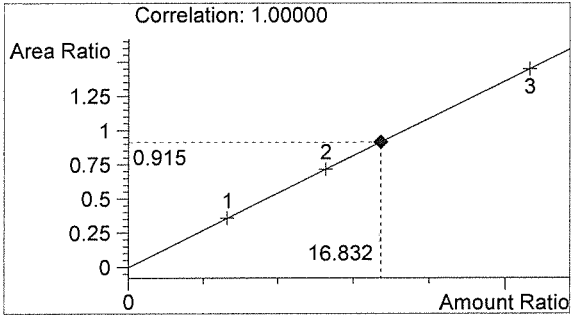
Location: Vial 8

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

Sample Info: 17039

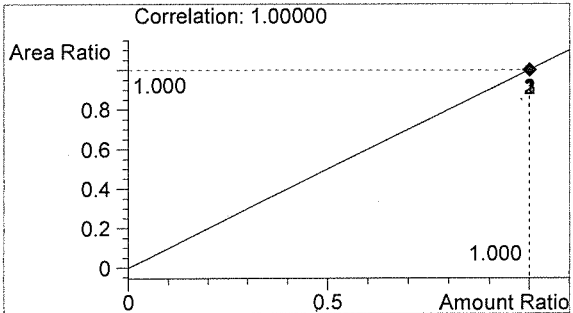


#	Compound	Peak Area	RT (min)
1	Ethanol	2395	1.086
2	n-Propanol	2618	1.766



Ethanol 0.202 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark

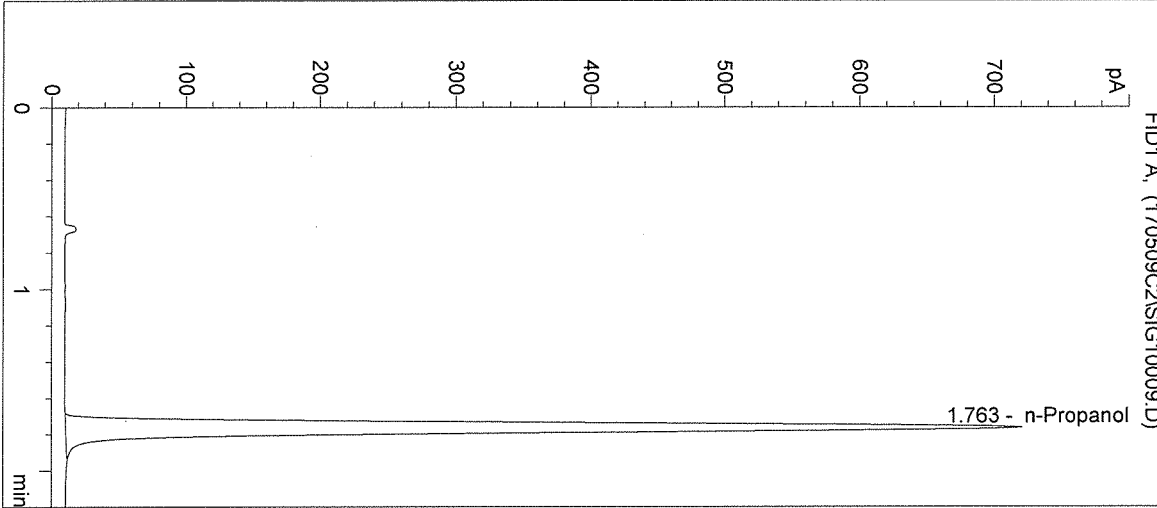
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/9/2017 1:44:04 PM
Instrument: HSGC#1

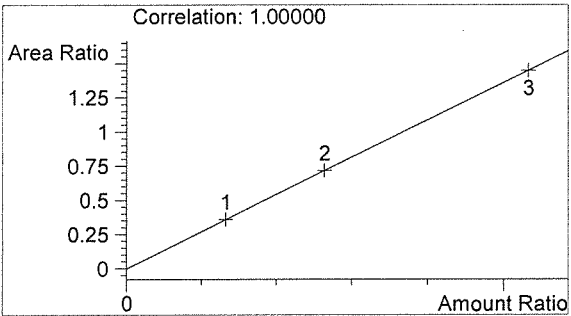
Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 9

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

Sample Info: 17039

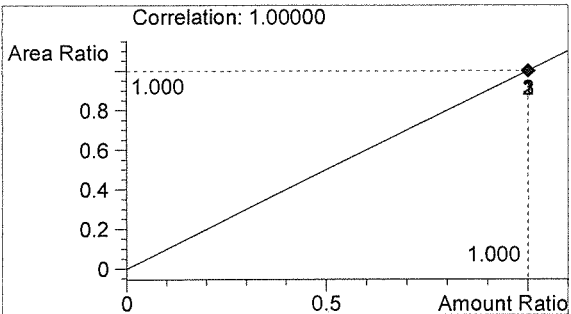


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2644	1.763



Ethanol 0.000 g/100mL

MA



n-Propanol 0.012 g/100mL

u

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

Inj. Date: 5/9/2017 1:47:18 PM

Sample Name: 17039 #1

Instrument: HSGC#1

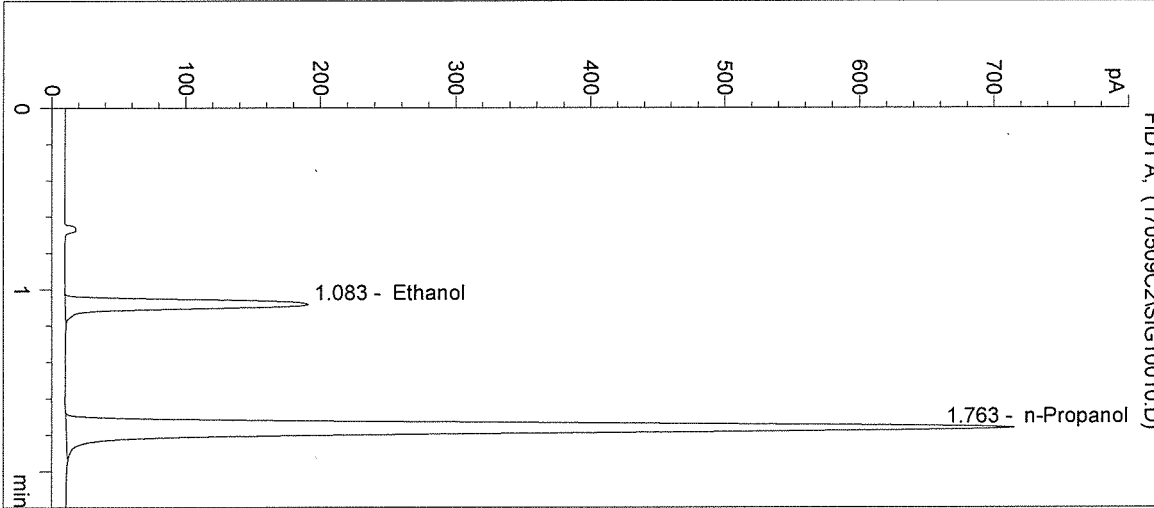
Operator: Christie Mitchell-Mata

Column: DB-ALC1

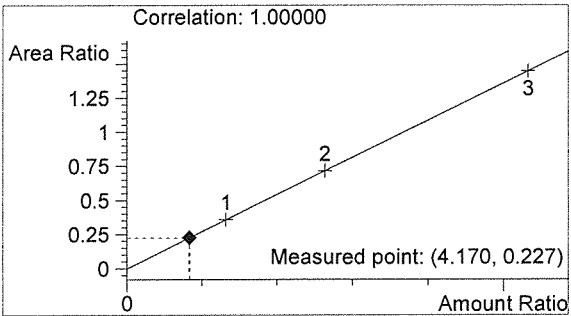
Location: Vial 10

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

Sample Info:

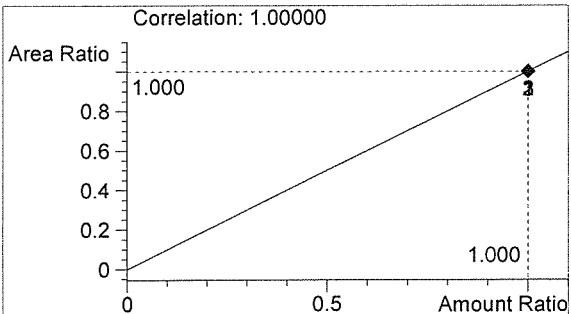


#	Compound	Peak Area	RT (min)
1	Ethanol	595	1.083
2	n-Propanol	2623	1.763



Ethanol 0.050 g/100mL

MR



n-Propanol 0.012 g/100mL

AM

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

Inj. Date: 5/9/2017 1:50:31 PM

Sample Name: 17039 #2

Instrument: HSGC#1

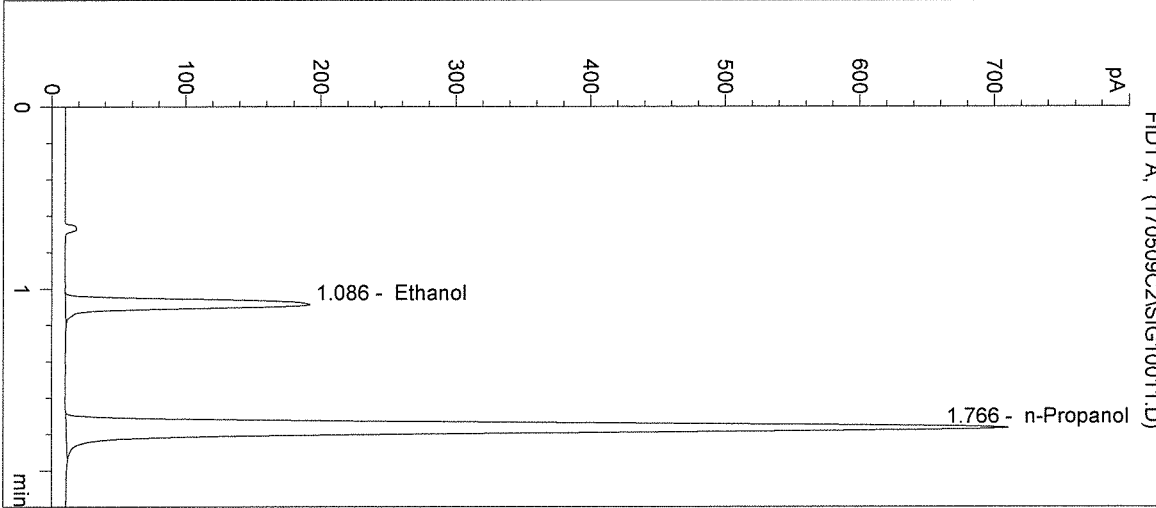
Operator: Christie Mitchell-Mata

Column: DB-ALC1

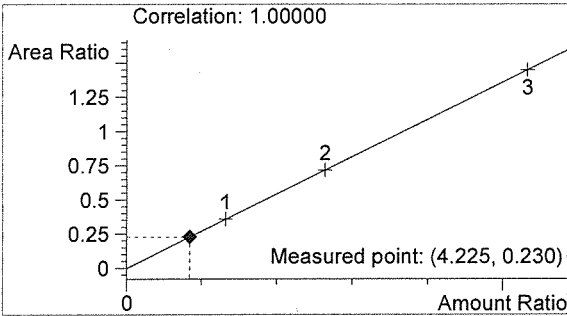
Location: Vial 11

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

Sample Info:

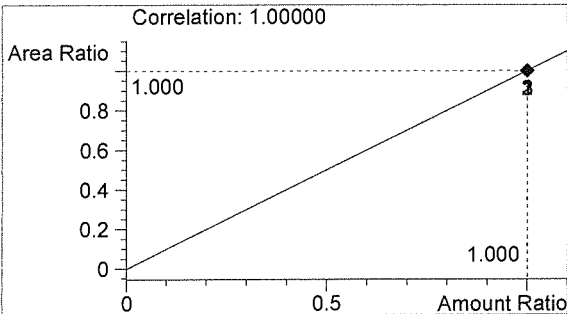


#	Compound	Peak Area	RT (min)
1	Ethanol	601	1.086
2	n-Propanol	2619	1.766



Ethanol 0.051 g/100mL

MA



n-Propanol 0.012 g/100mL

M

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

Inj. Date: 5/9/2017 1:53:44 PM

Sample Name: 17039 #3

Instrument: HSGC#1

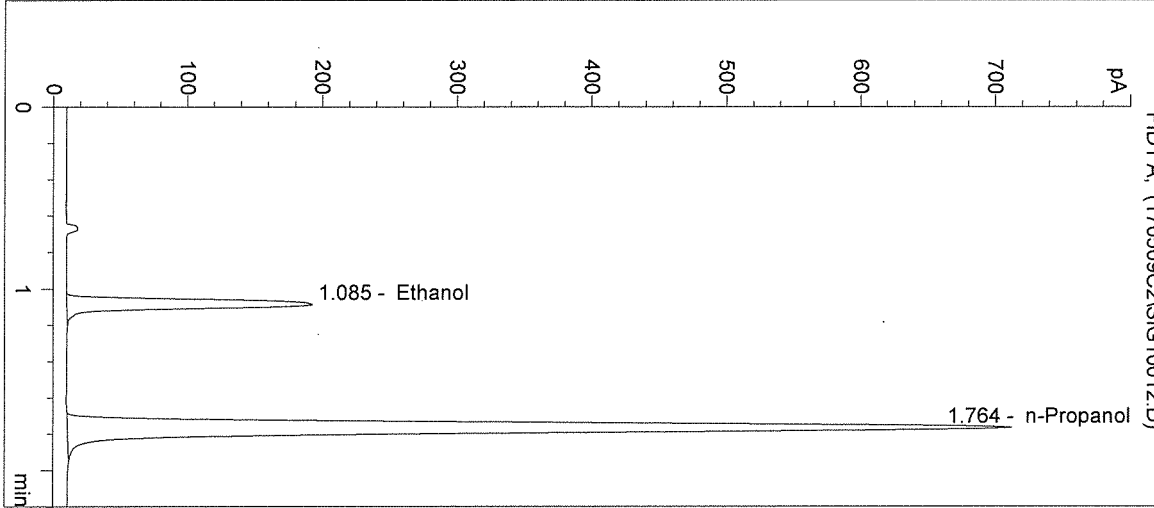
Operator: Christie Mitchell-Mata

Column: DB-ALC1

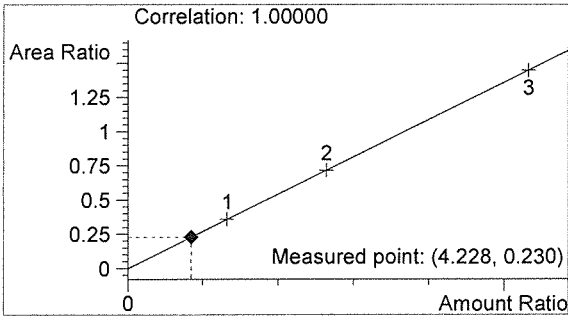
Location: Vial 12

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

Sample Info:

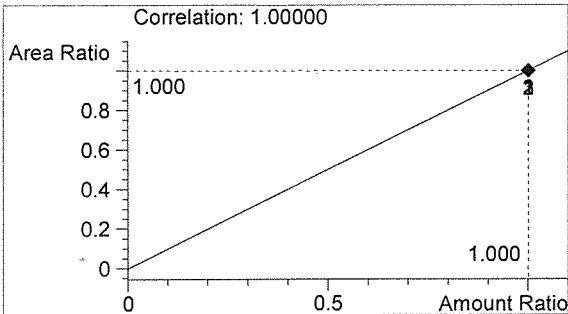


#	Compound	Peak Area	RT (min)
1	Ethanol	603	1.085
2	n-Propanol	2625	1.764



Ethanol 0.051 g/100mL

PA



n-Propanol 0.012 g/100mL

u

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

Inj. Date: 5/9/2017 1:56:56 PM

Sample Name: 17039 #4

Instrument: HSGC#1

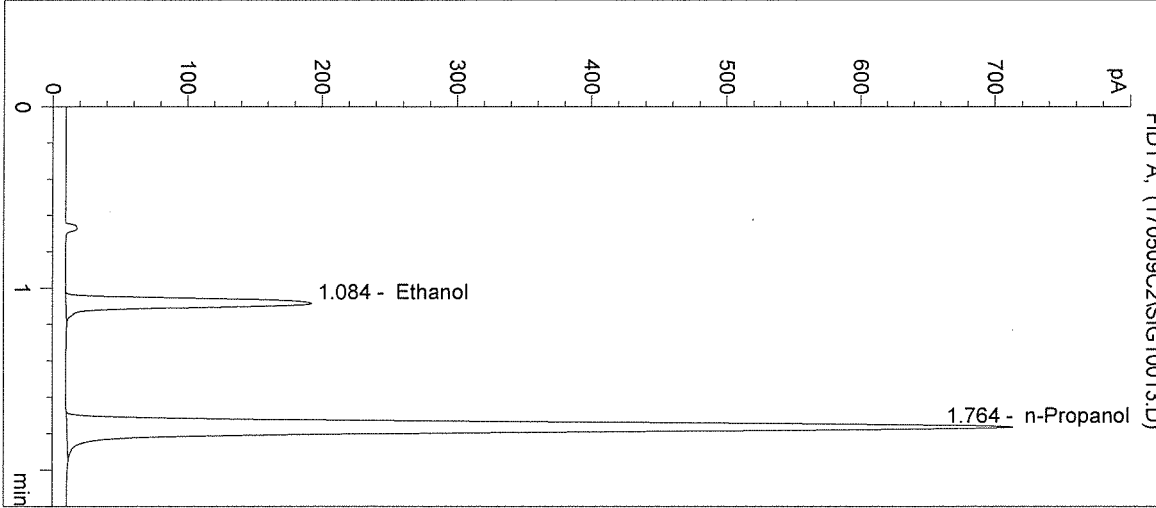
Operator: Christie Mitchell-Mata

Column: DB-ALC1

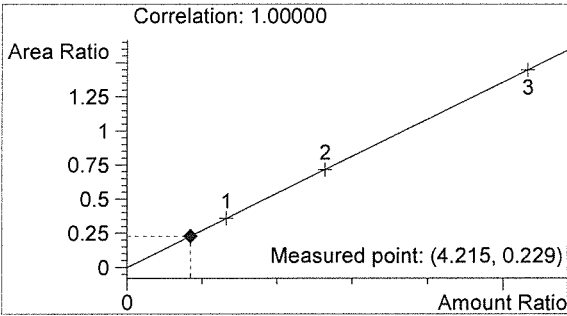
Location: Vial 13

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

Sample Info:

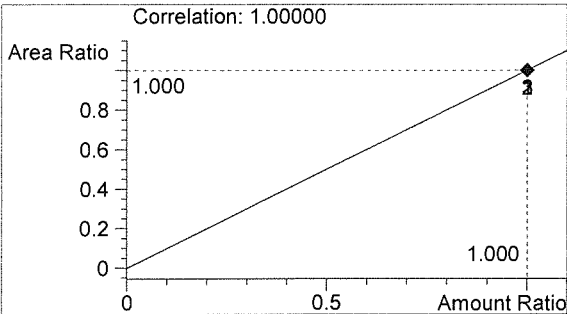


#	Compound	Peak Area	RT (min)
1	Ethanol	600	1.084
2	n-Propanol	2618	1.764



Ethanol 0.051 g/100mL

pat



n-Propanol 0.012 g/100mL

m

Inj. Date: 5/9/2017 2:00:10 PM

Sample Name: 17039 #5

Instrument: HSGC#1

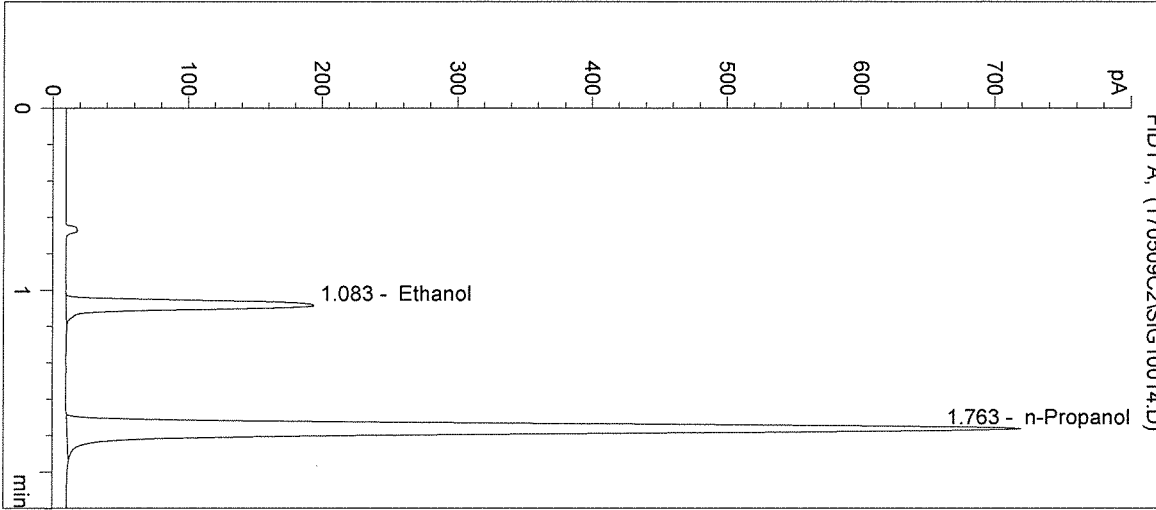
Operator: Christie Mitchell-Mata

Column: DB-ALC1

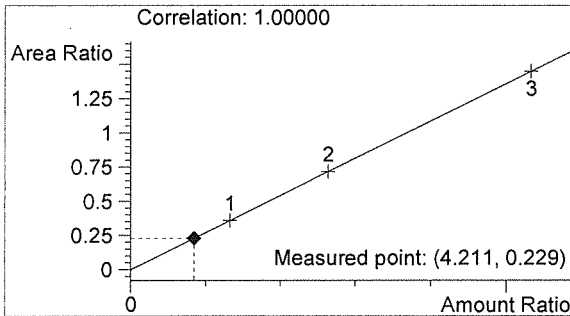
Location: Vial 14

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

Sample Info:

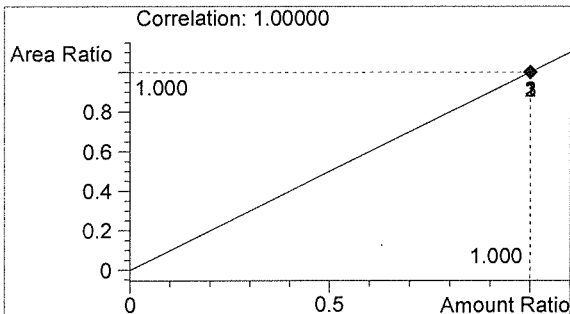


#	Compound	Peak Area	RT (min)
1	Ethanol	603	1.083
2	n-Propanol	2636	1.763



Ethanol 0.051 g/100mL

DM



n-Propanol 0.012 g/100mL

M

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

Inj. Date: 5/9/2017 2:03:23 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

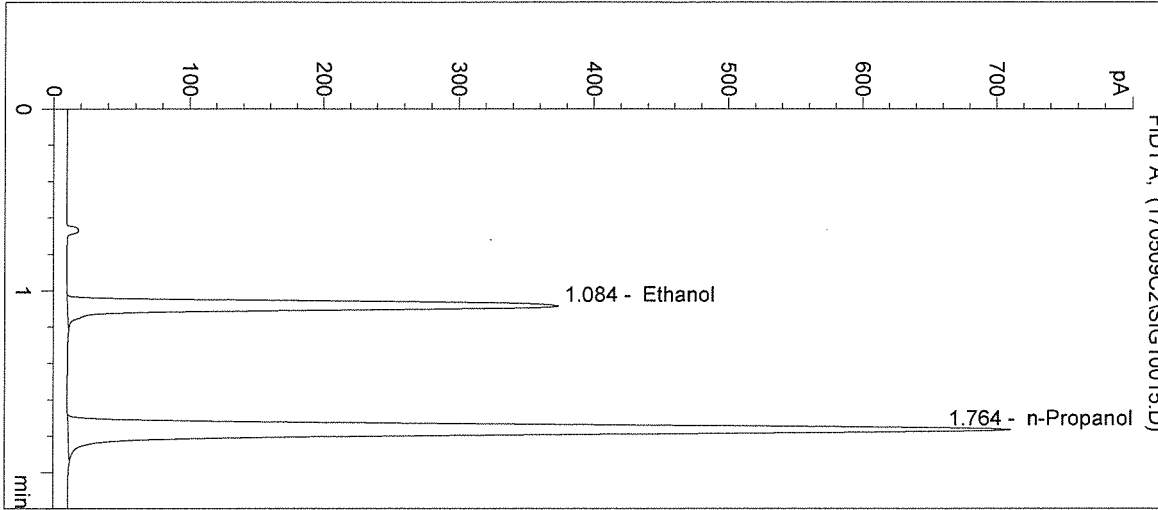
Operator: Christie Mitchell-Mata

Column: DB-ALC1

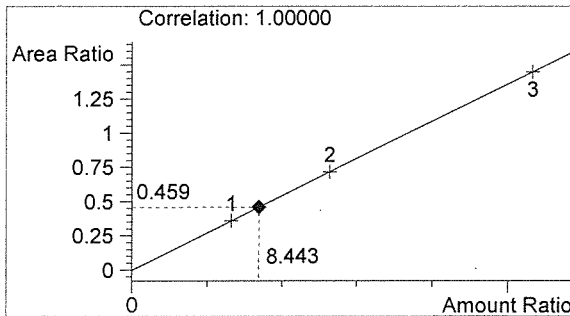
Location: Vial 15

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

Sample Info: 17039

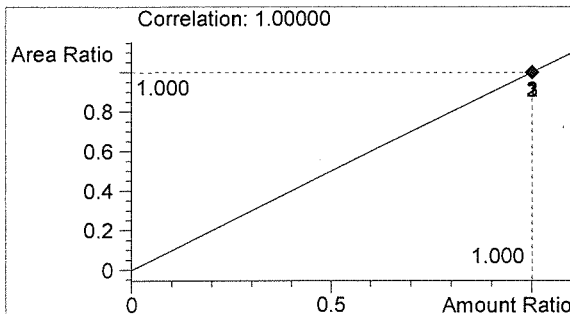


#	Compound	Peak Area	RT (min)
1	Ethanol	1198	1.084
2	n-Propanol	2610	1.764



Ethanol 0.101 g/100mL ✓

BT



n-Propanol 0.012 g/100mL

W

Inj. Date: 5/9/2017 2:06:36 PM

Sample Name: Negative CTRL

Instrument: HSGC#1

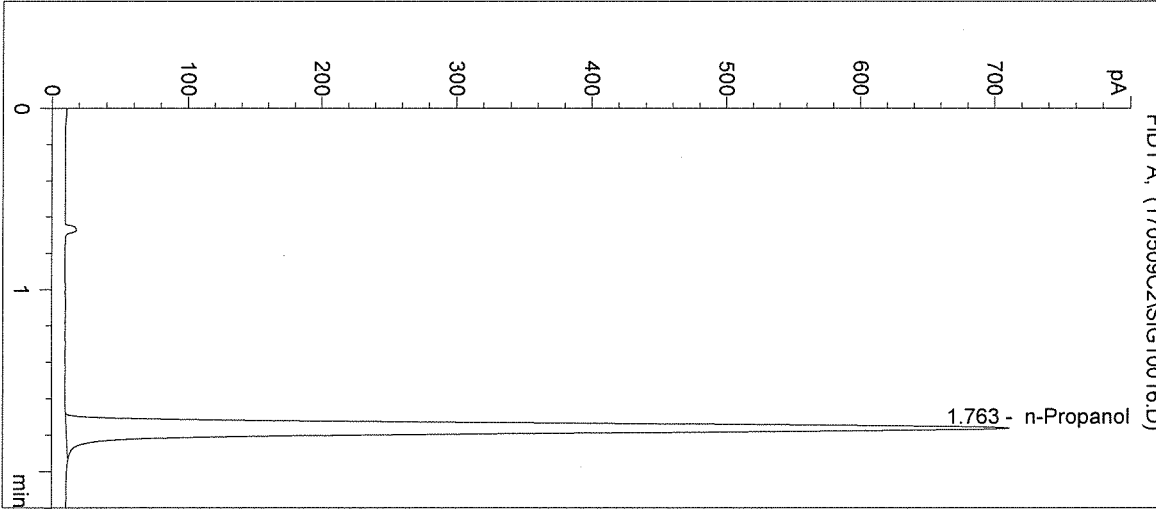
Operator: Christie Mitchell-Mata

Column: DB-ALC1

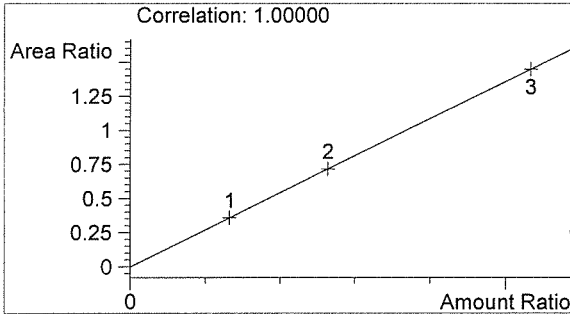
Location: Vial 16

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

Sample Info: 17039

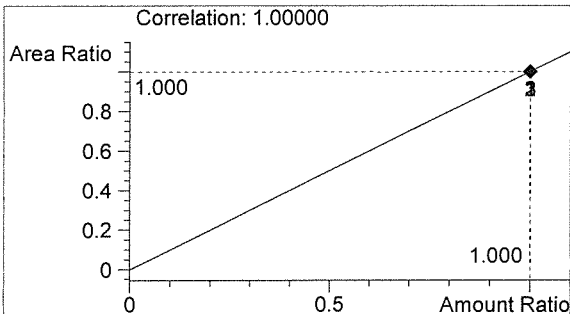


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2604	1.763



Ethanol 0.000 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark

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: 170510AG
 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
 Diluter #1
 Calibration vials 1-9 filed with 17039.

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 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	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17039-1	SIMALC1	1	Sample		
11	Vial 11	17039-2	SIMALC1	1	Sample		
12	Vial 12	17039-3	SIMALC1	1	Sample		
13	Vial 13	17039-4	SIMALC1	1	Sample		
14	Vial 14	17039-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17040-1	SIMALC1	1	Sample		
18	Vial 18	17040-2	SIMALC1	1	Sample		
19	Vial 19	17040-3	SIMALC1	1	Sample		
20	Vial 20	17040-4	SIMALC1	1	Sample		
21	Vial 21	17040-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17041-1	SIMALC1	1	Sample		
25	Vial 25	17041-2	SIMALC1	1	Sample		
26	Vial 26	17041-3	SIMALC1	1	Sample		

17039
 by
 5/22/17

[Handwritten signature]

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17041-4	SIMALC1	1	Sample		
28	Vial 28	17041-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17042-1	SIMALC1	1	Sample		
32	Vial 32	17042-2	SIMALC1	1	Sample		
33	Vial 33	17042-3	SIMALC1	1	Sample		
34	Vial 34	17042-4	SIMALC1	1	Sample		
35	Vial 35	17042-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17043-1	SIMALC1	1	Sample		
39	Vial 39	17043-2	SIMALC1	1	Sample		
40	Vial 40	17043-3	SIMALC1	1	Sample		
41	Vial 41	17043-4	SIMALC1	1	Sample		
42	Vial 42	17043-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG 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		
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!

17039
BT
5/24/17

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

Calib. Data Modified : Wednesday, May 10, 2017 3:51:18 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 [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A;

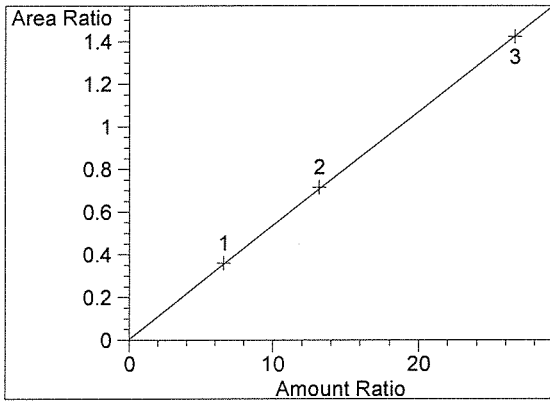
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.083	1 1	7.91500e-2	964.56396	8.20578e-5	1 Ethanol
		1.58300e-1	1915.97217	8.26212e-5	
		3.19520e-1	3769.32056	8.47686e-5	
1.762	1 1	1.20000e-2	2675.19653	4.48565e-6	I1 n-Propanol
		1.20000e-2	2676.12646	4.48409e-6	
		1.20000e-2	2650.32715	4.52774e-6	

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

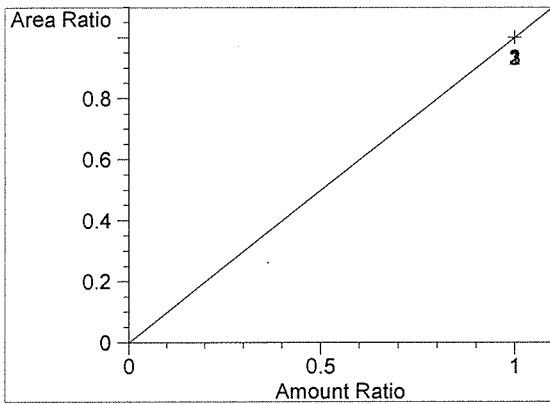
No Entries in table
 =====

17039
 BT
 5/24/17

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



Ethanol at exp. RT: 1.083
FID1 A,
Correlation: 0.99995
Residual Std. Dev.: 0.00705
Formula: $y = mx + b$
m: 5.33529e-2
b: 5.59731e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.762
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

=====
Pat 5/22/17
~~17039~~
17039
Pat 5/22/17

AG

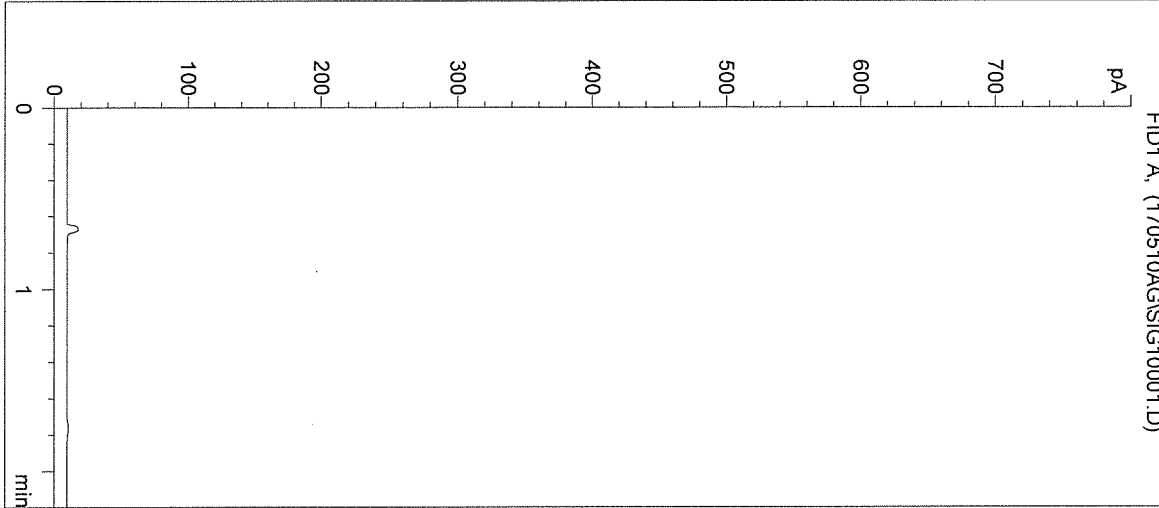
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:39:12 PM
Instrument: HSGC#1

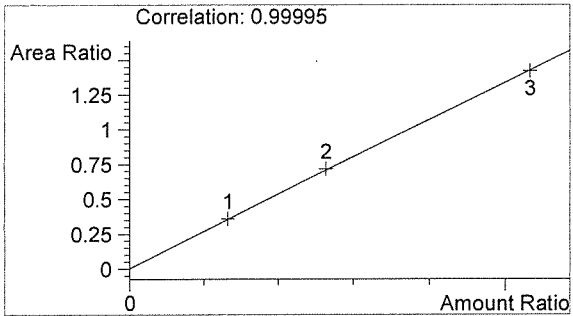
Sample Name: BLANK
Operator: Andrew Gingras
Location: Vial 1

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

Sample Info: 17039

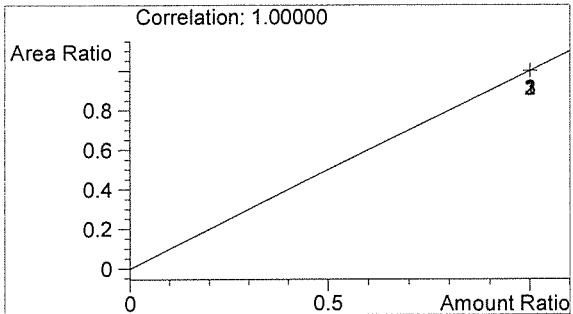


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

PA



n-Propanol 0.000 g/100mL

AG

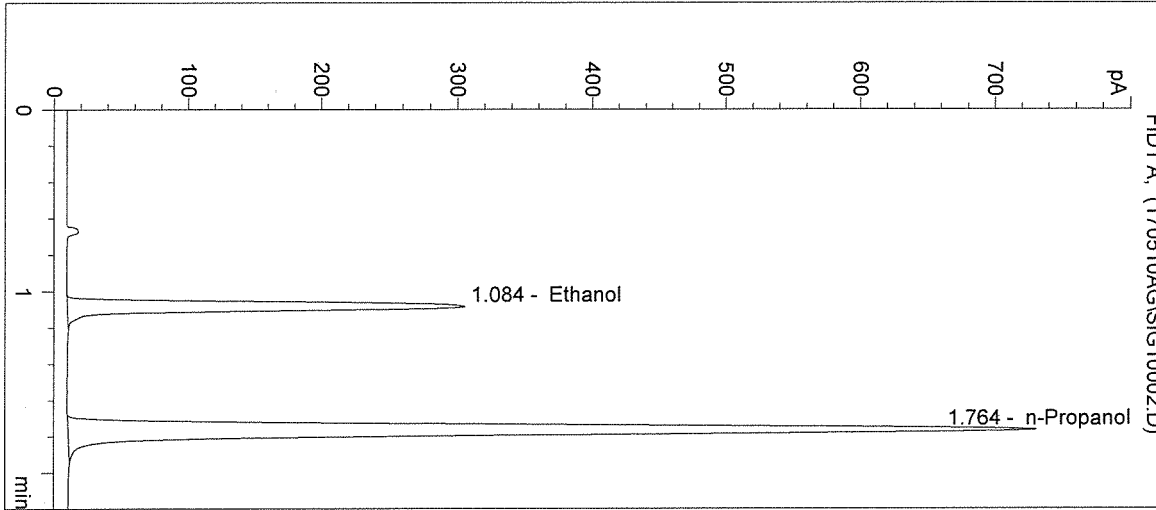
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:42:31 PM
Instrument: HSGC#1

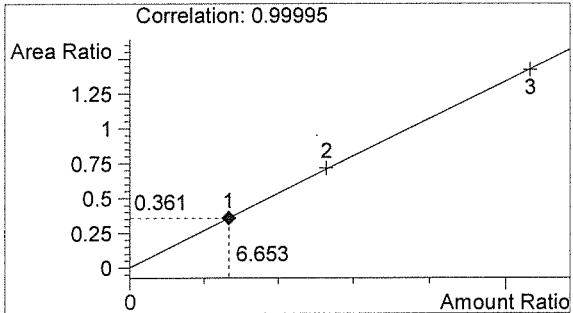
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2

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

Sample Info: 17039

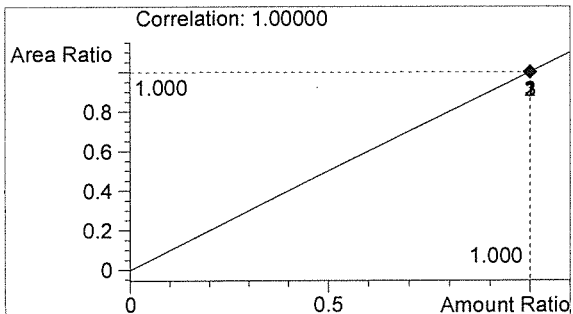


#	Compound	Peak Area	RT (min)
1	Ethanol	965	1.084
2	n-Propanol	2675	1.764



Ethanol 0.080 g/100mL

VK



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/10/2017 3:45:48 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

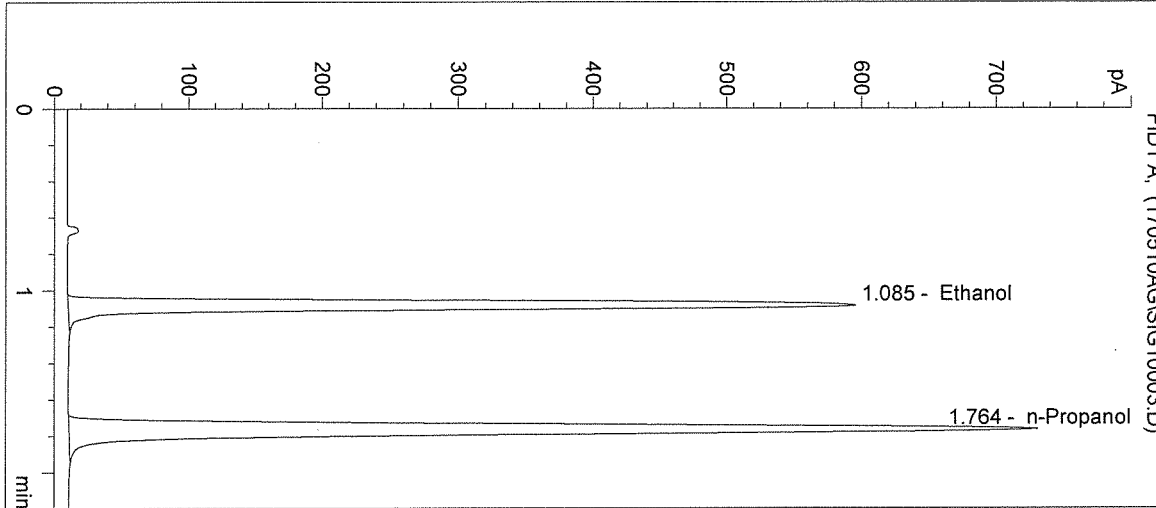
Operator: Andrew Gingras

Column: DB-ALC1

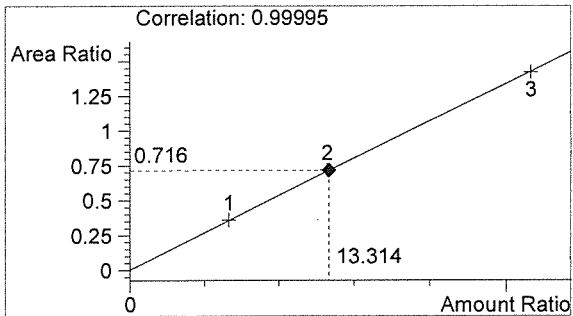
Location: Vial 3

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

Sample Info: 17039

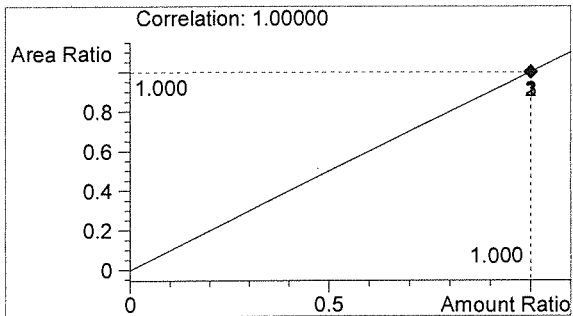


#	Compound	Peak Area	RT (min)
1	Ethanol	1916	1.085
2	n-Propanol	2676	1.764



Ethanol 0.160 g/100mL

mk



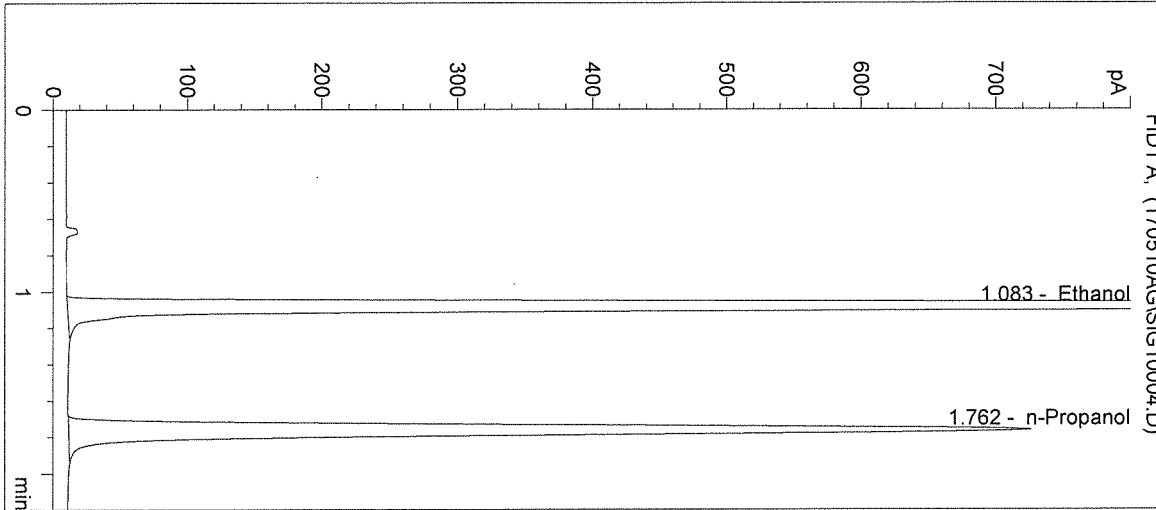
n-Propanol 0.012 g/100mL

[Handwritten signature]

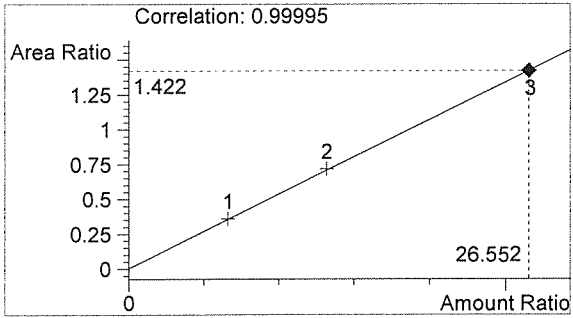
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:49:05 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17039

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

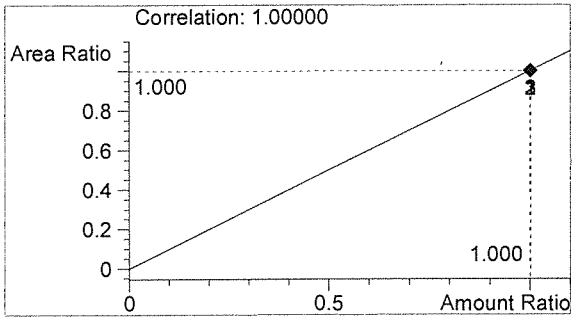


#	Compound	Peak Area	RT (min)
1	Ethanol	3769	1.083
2	n-Propanol	2650	1.762



Ethanol 0.319 g/100mL

MA



n-Propanol 0.012 g/100mL

AG

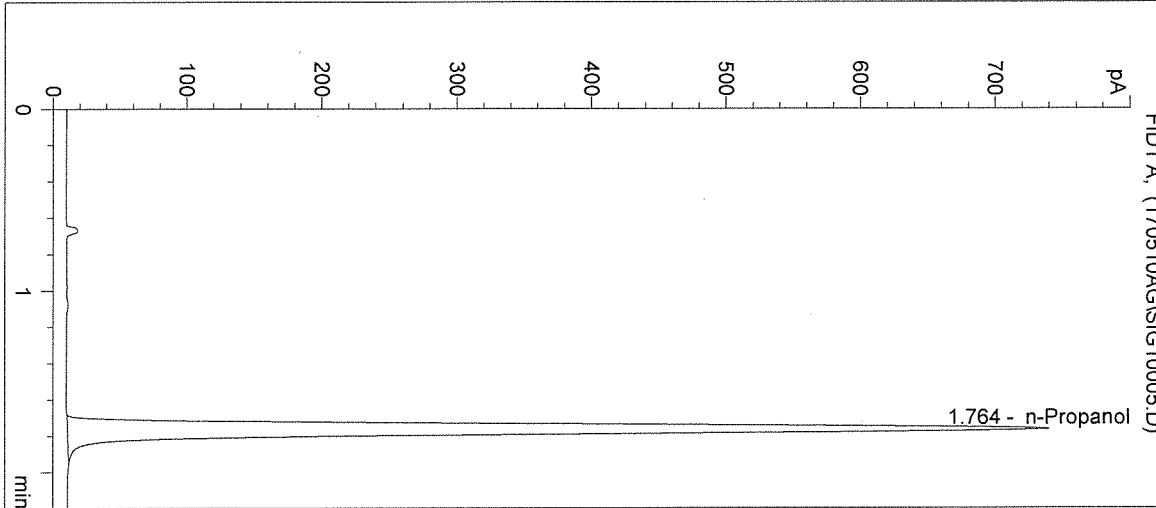
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:52:18 PM
Instrument: HSGC#1

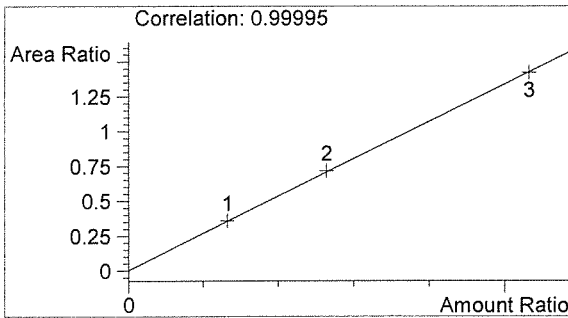
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 5

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

Sample Info: 17039

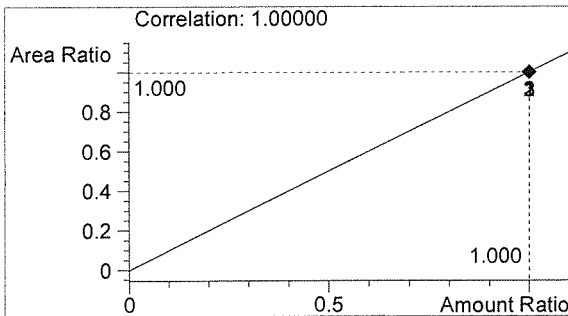


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2699	1.764



Ethanol 0.000 g/100mL

MA



n-Propanol 0.012 g/100mL

AG

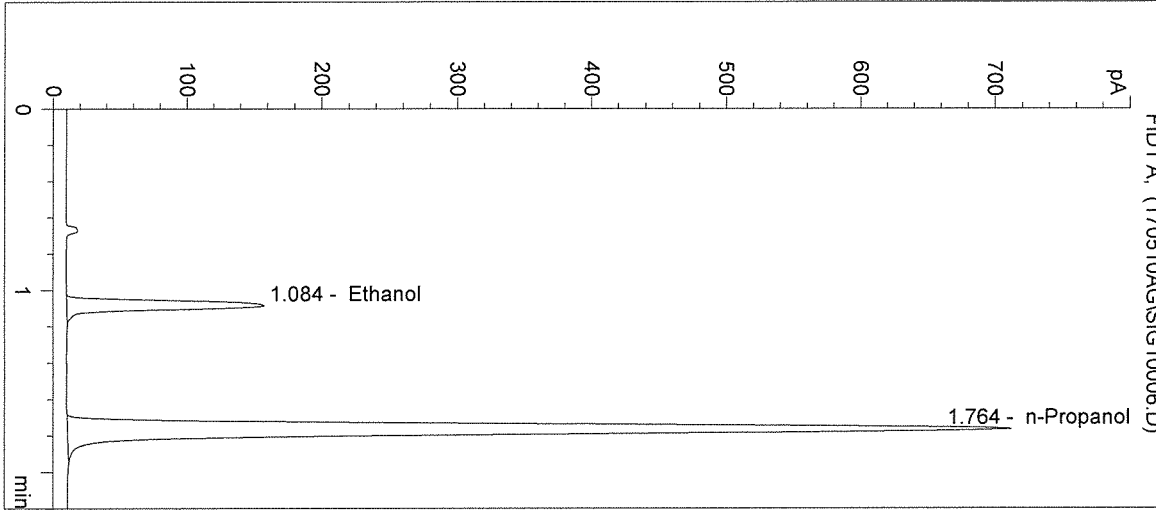
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:55:32 PM
Instrument: HSGC#1

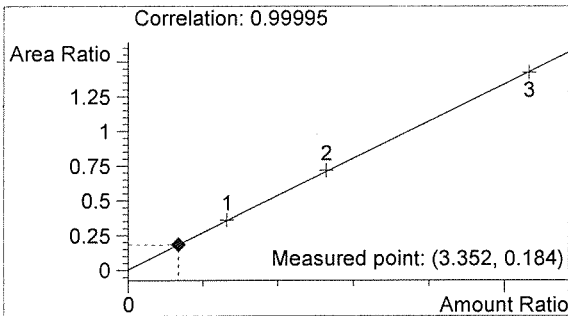
Sample Name: 0.04 CTRL
Operator: Andrew Gingras
Location: Vial 6

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

Sample Info: 17039

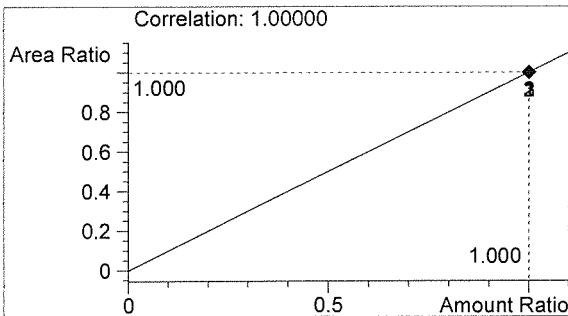


#	Compound	Peak Area	RT (min)
1	Ethanol	479	1.084
2	n-Propanol	2598	1.764



Ethanol 0.040 g/100mL

DA



n-Propanol 0.012 g/100mL

AG

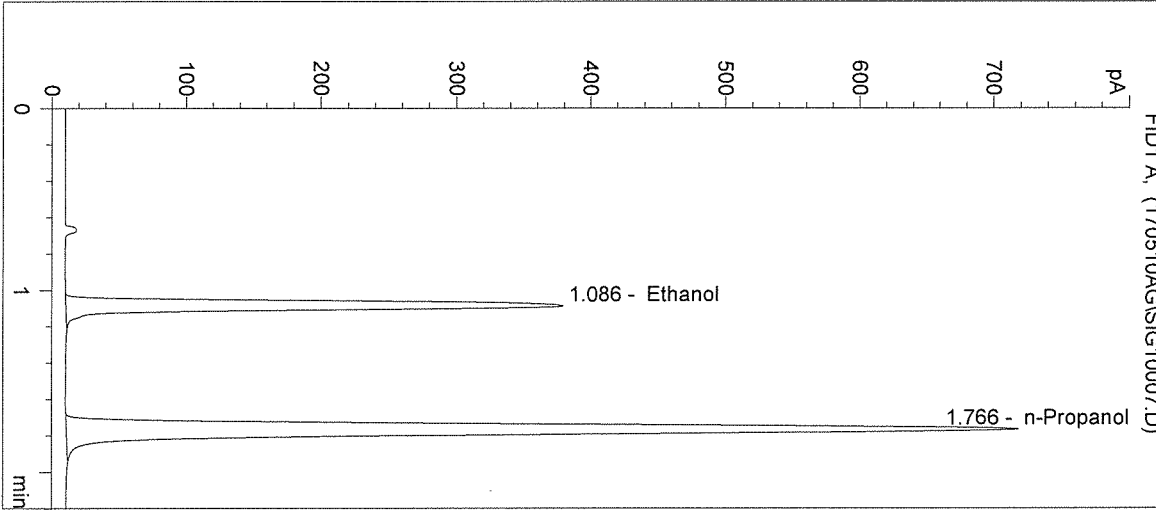
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 3:58:45 PM
Instrument: HSGC#1

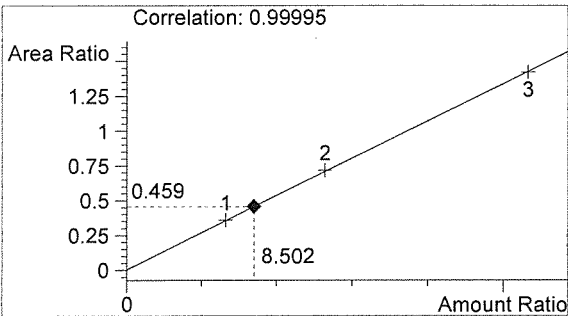
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7

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

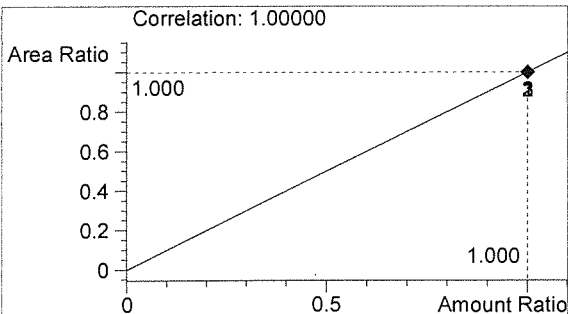
Sample Info: 17039



#	Compound	Peak Area	RT (min)
1	Ethanol	1210	1.086
2	n-Propanol	2635	1.766



Ethanol 0.102 g/100mL *BT*



n-Propanol 0.012 g/100mL

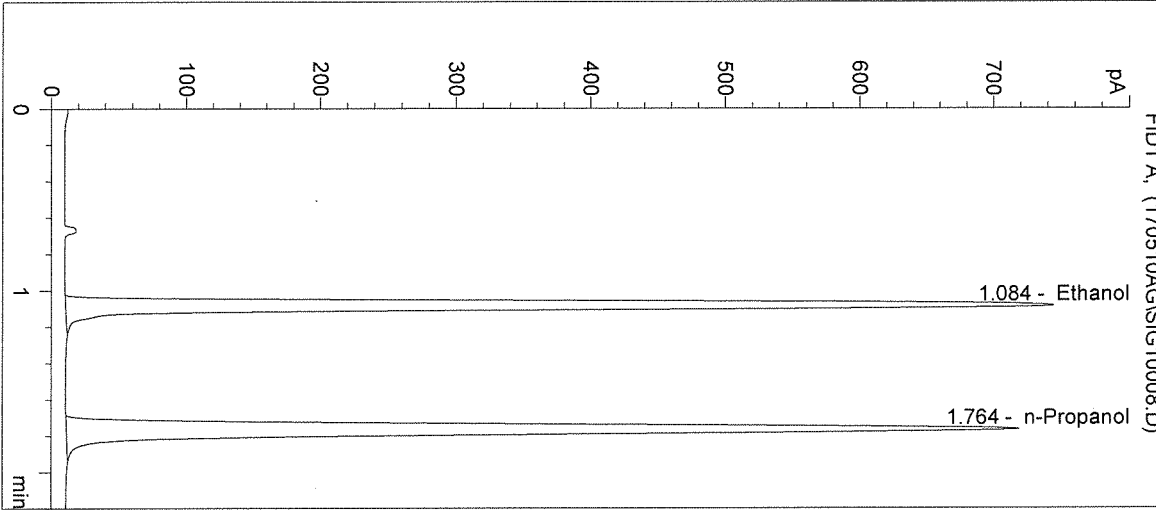
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 4:01:58 PM
Instrument: HSGC#1

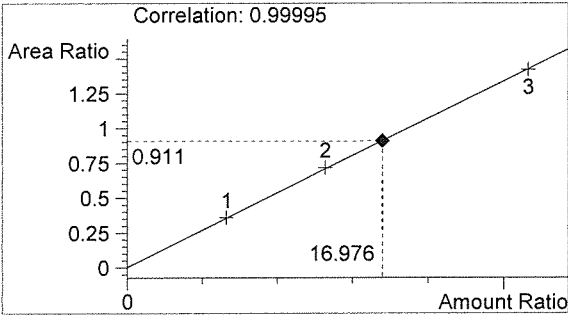
Sample Name: 0.20 CTRL
Operator: Andrew Gingras
Location: Vial 8

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

Sample Info: 17039

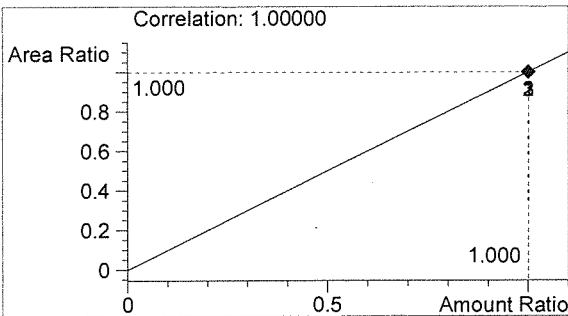


#	Compound	Peak Area	RT (min)
1	Ethanol	2387	1.084
2	n-Propanol	2620	1.764



Ethanol 0.204 g/100mL

VA



n-Propanol 0.012 g/100mL

6

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

Inj. Date: 5/10/2017 4:05:11 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

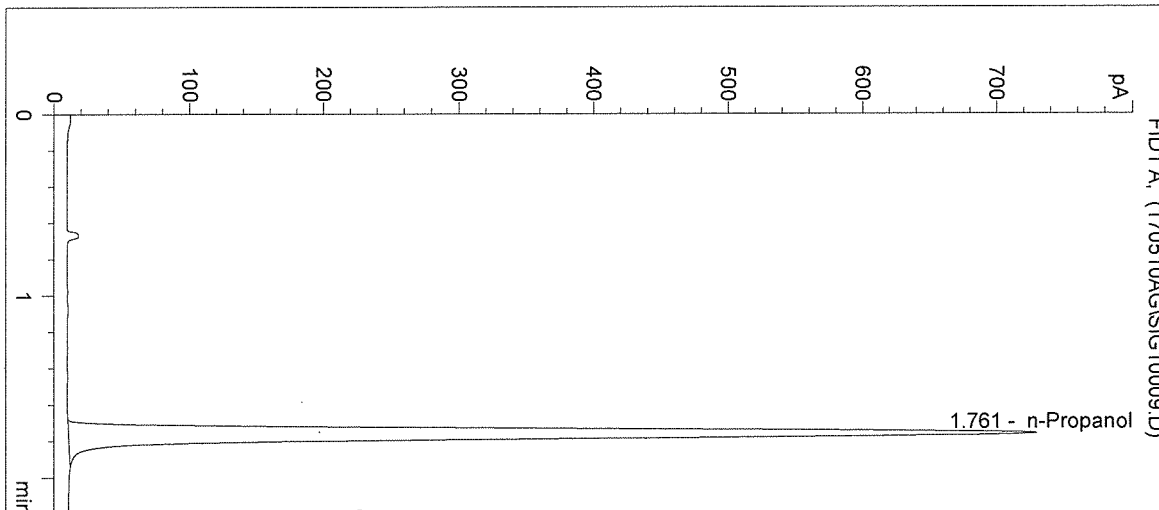
Operator: Andrew Gingras

Column: DB-ALC1

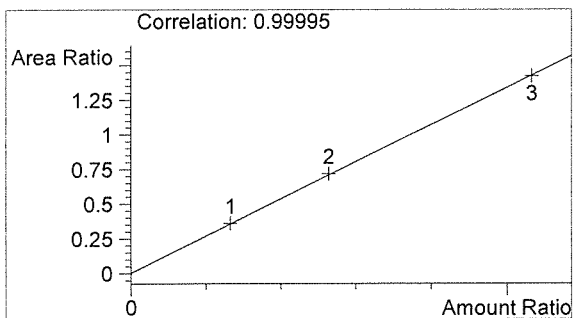
Location: Vial 9

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

Sample Info: 17039

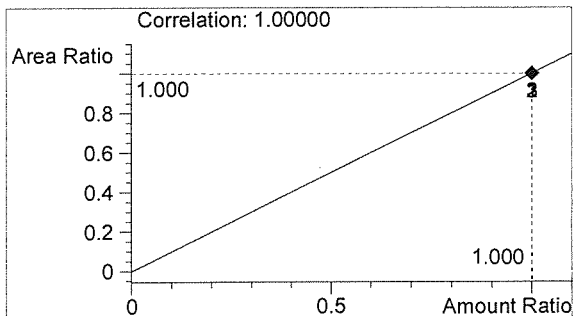


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2667	1.761



Ethanol 0.000 g/100mL

not



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/10/2017 4:08:24 PM

Sample Name: 17039-1

Instrument: HSGC#1

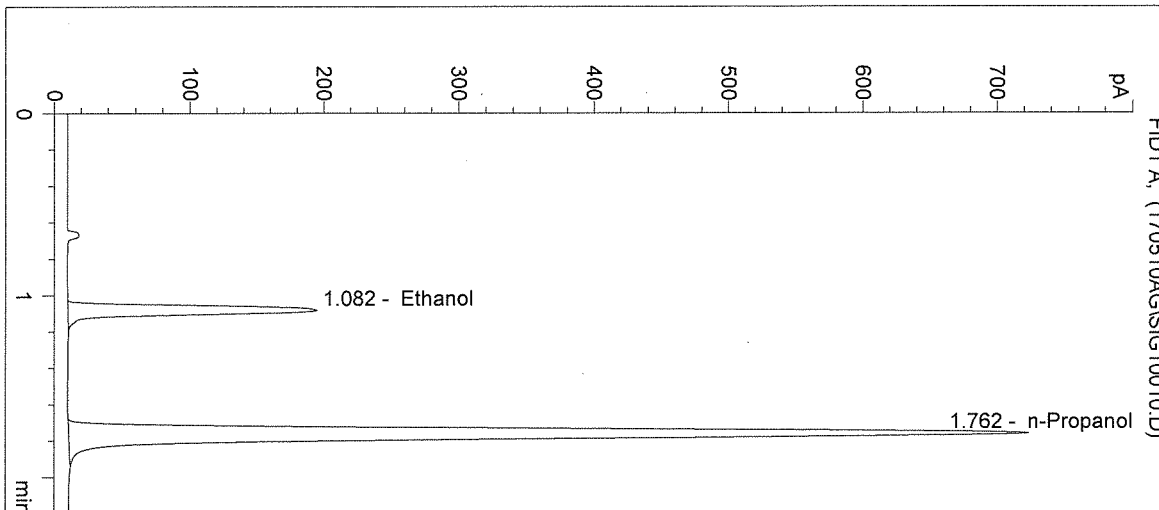
Operator: Andrew Gingras

Column: DB-ALC1

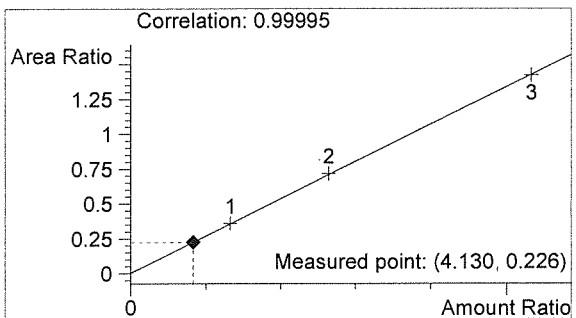
Location: Vial 10

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

Sample Info:

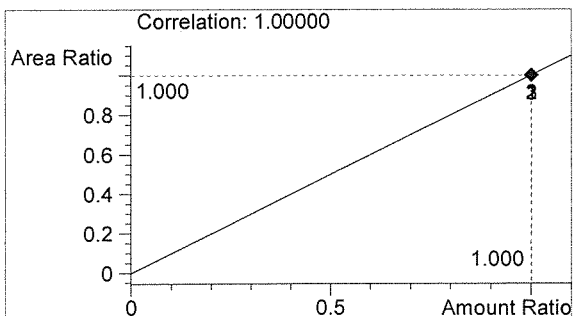


#	Compound	Peak Area	RT (min)
1	Ethanol	596	1.082
2	n-Propanol	2638	1.762



Ethanol 0.050 g/100mL

MA



n-Propanol 0.012 g/100mL

10

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

Inj. Date: 5/10/2017 4:11:37 PM

Sample Name: 17039-2

Instrument: HSGC#1

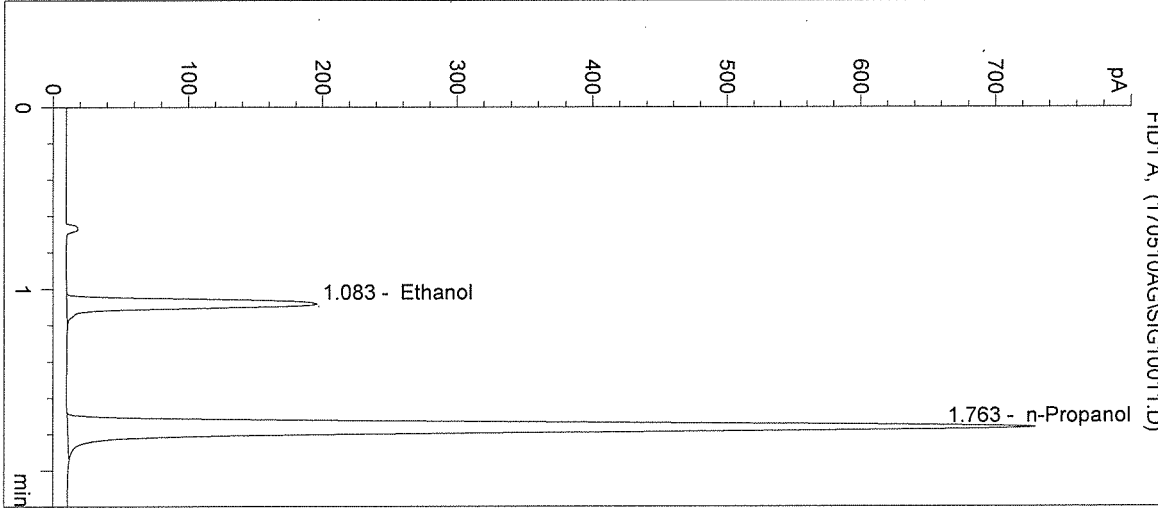
Operator: Andrew Gingras

Column: DB-ALC1

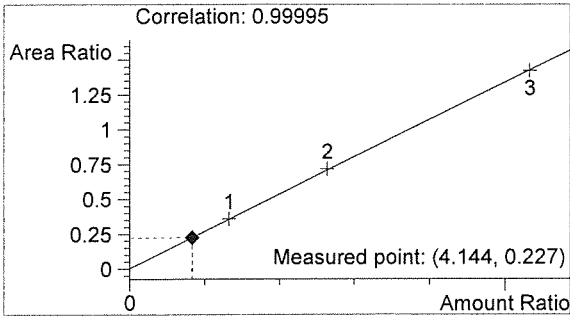
Location: Vial 11

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

Sample Info:

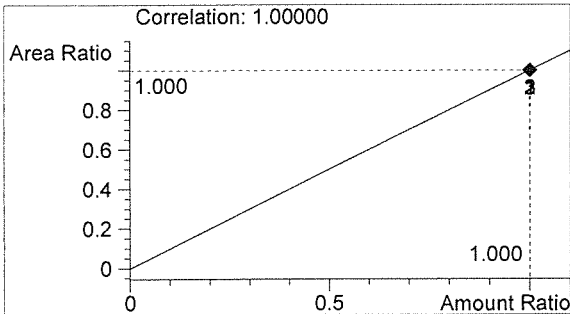


#	Compound	Peak Area	RT (min)
1	Ethanol	603	1.083
2	n-Propanol	2659	1.763



Ethanol 0.050 g/100mL

BA



n-Propanol 0.012 g/100mL

AG

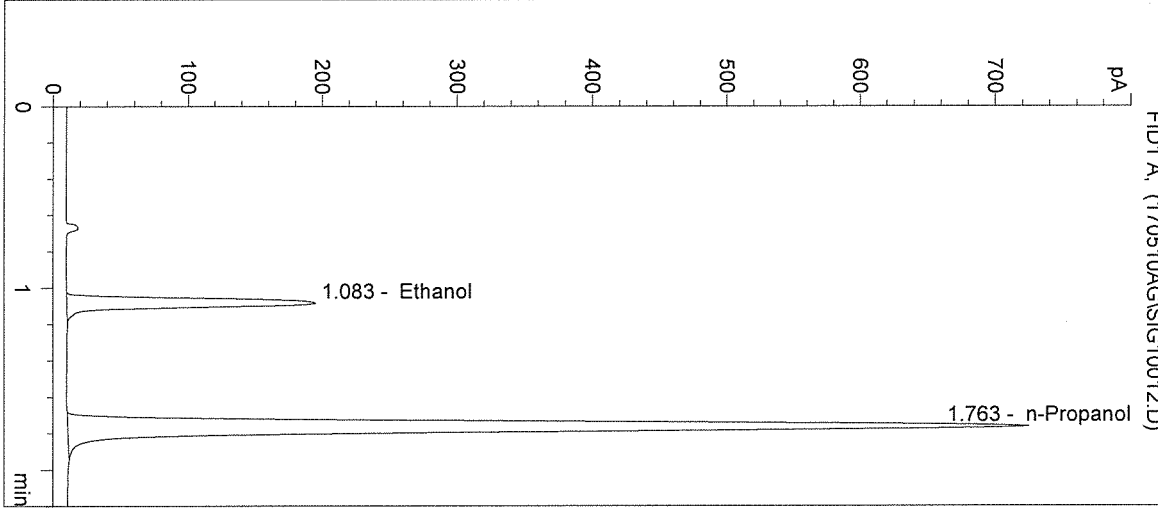
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 4:14:51 PM
Instrument: HSGC#1

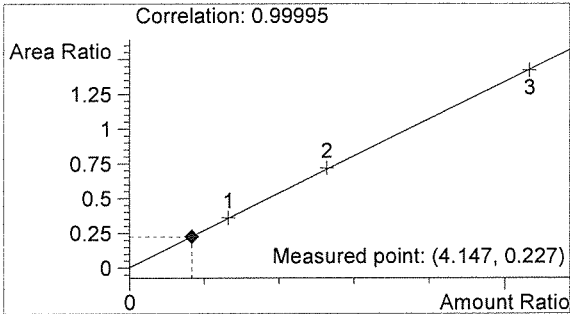
Sample Name: 17039-3
Operator: Andrew Gingras
Location: Vial 12

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

Sample Info:

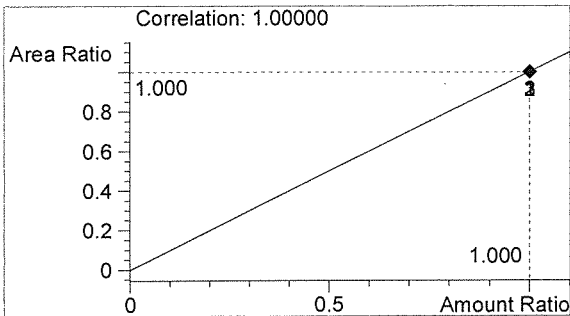


#	Compound	Peak Area	RT (min)
1	Ethanol	599	1.083
2	n-Propanol	2641	1.763



Ethanol 0.050 g/100mL

BT



n-Propanol 0.012 g/100mL

[Handwritten signature]

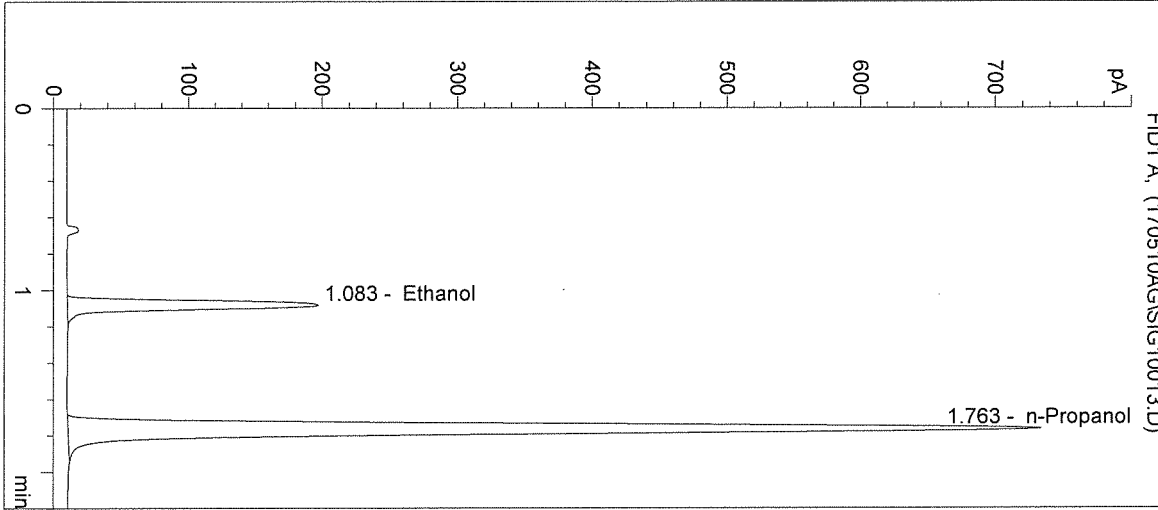
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 4:18:04 PM
Instrument: HSGC#1
Column: DB-ALC1

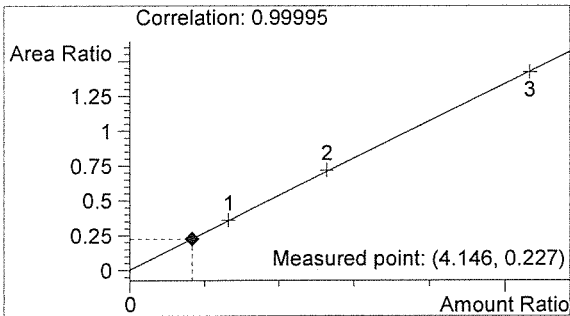
Sample Name: 17039-4
Operator: Andrew Gingras
Location: Vial 13

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

Sample Info:

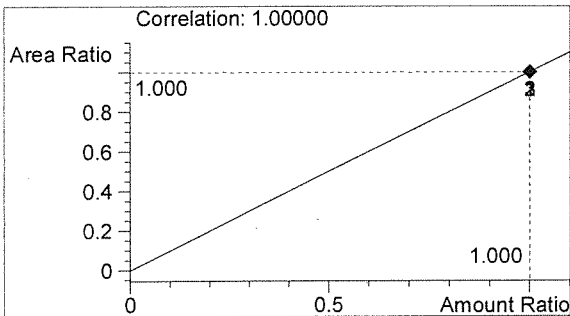


#	Compound	Peak Area	RT (min)
1	Ethanol	606	1.083
2	n-Propanol	2670	1.763



Ethanol 0.050 g/100mL

BA



n-Propanol 0.012 g/100mL

[Handwritten signature]

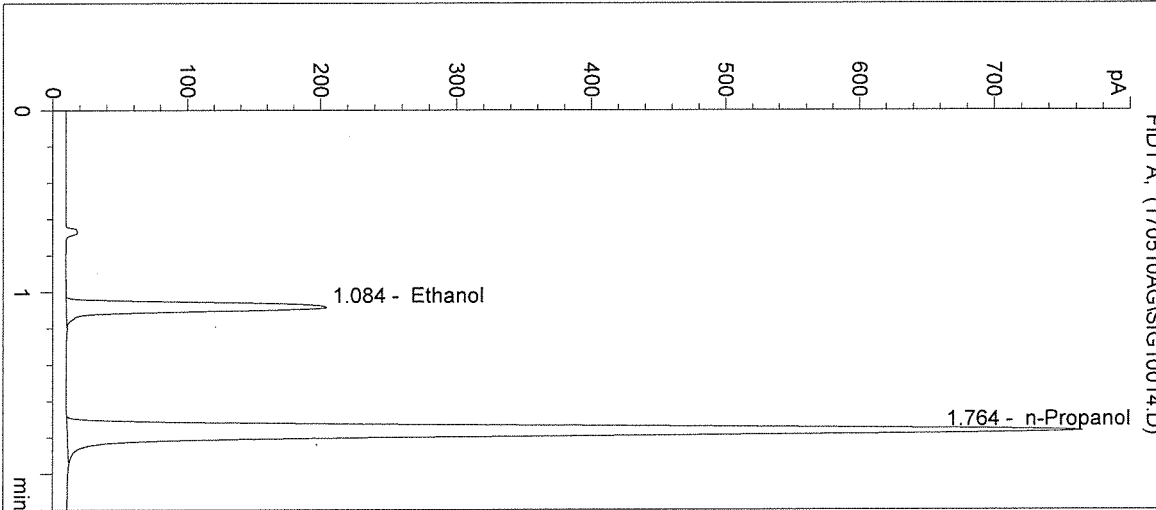
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 4:21:17 PM
 Instrument: HSGC#1
 Column: DB-ALC1

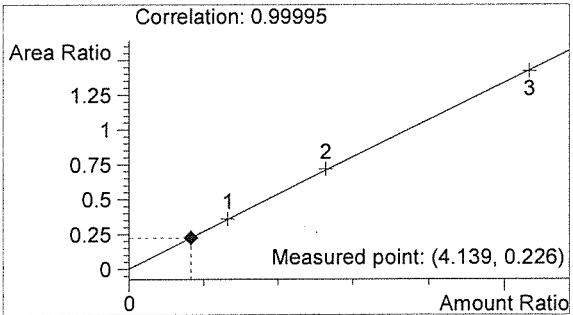
Sample Name: 17039-5
 Operator: Andrew Gingras
 Location: Vial 14

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

Sample Info:

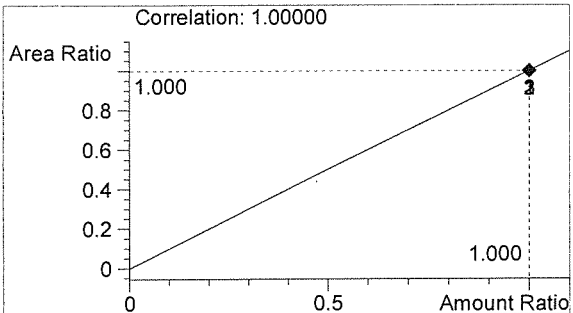


#	Compound	Peak Area	RT (min)
1	Ethanol	632	1.084
2	n-Propanol	2790	1.764



Ethanol 0.050 g/100mL

PT



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/10/2017 4:24:31 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

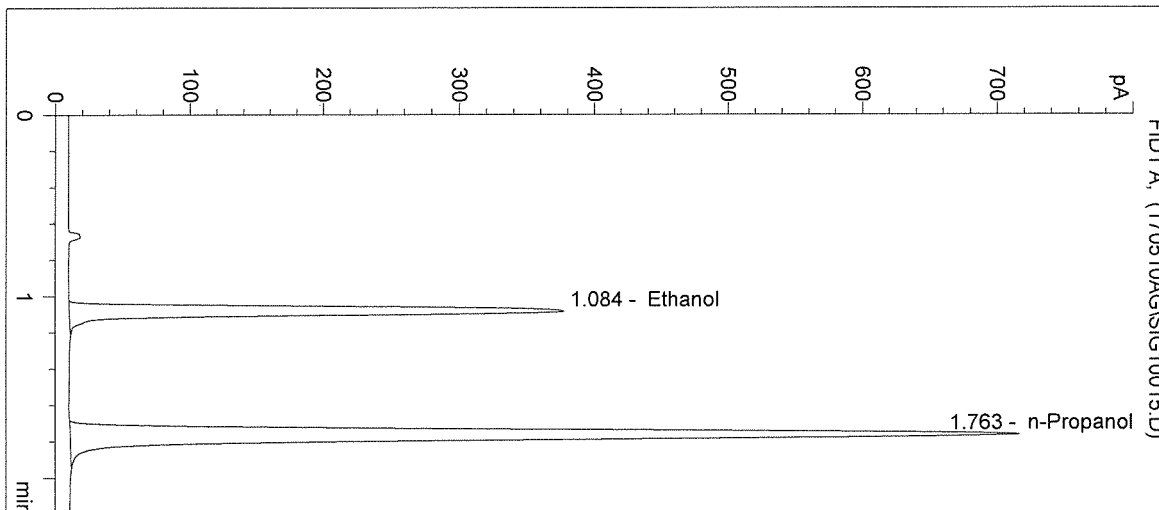
Operator: Andrew Gingras

Column: DB-ALC1

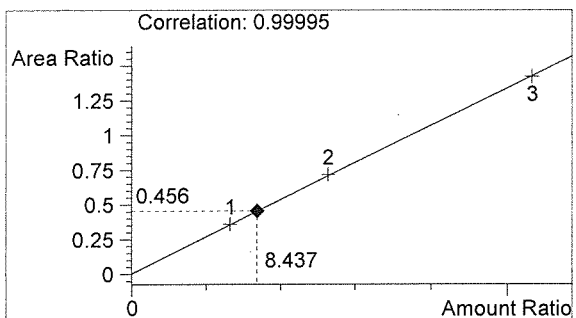
Location: Vial 15

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

Sample Info: 17039

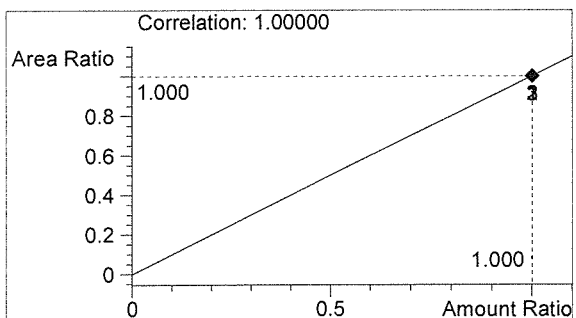


#	Compound	Peak Area	RT (min)
1	Ethanol	1189	1.084
2	n-Propanol	2609	1.763



Ethanol 0.101 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

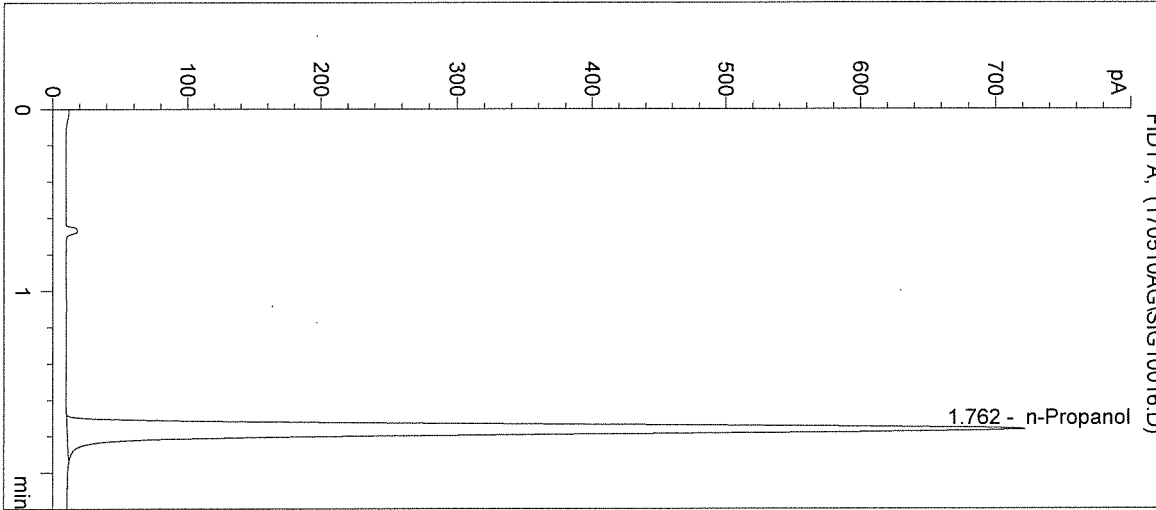
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/10/2017 4:27:44 PM
Instrument: HSGC#1

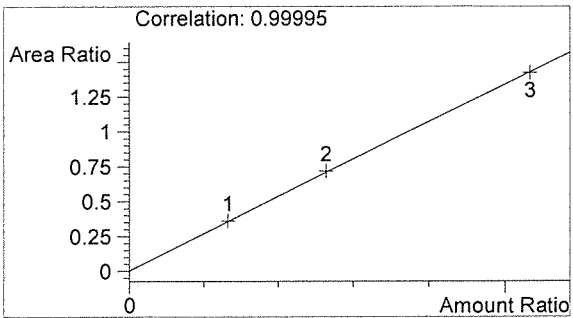
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 16

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

Sample Info: 17039

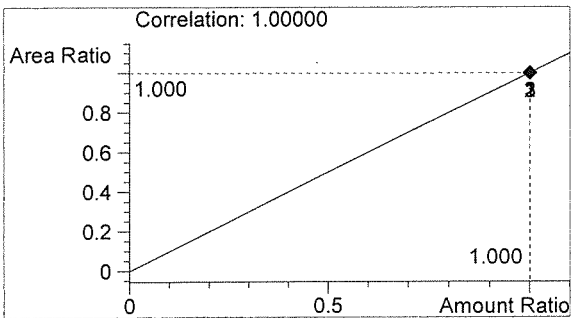


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2631	1.762



Ethanol 0.000 g/100mL

BT



n-Propanol 0.012 g/100mL

AG