



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17018

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: 02/24/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Elizabeth Wehner

	EW	DN	JLK
1	0.050	0.049	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.049	0.050
5	0.050	0.050	0.050
C	0.102	0.102	0.101

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0499 g/100mL PRECISION CV (%): 0.71
STANDARD DEVIATION: 0.00035 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0405 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

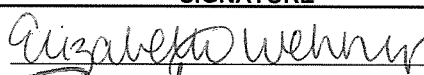
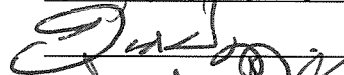
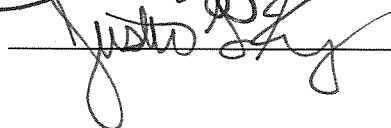
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Brianne E. O'Reilly Technical Lead

3-7-2017
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
EW	Elizabeth Wehner		02/24/2017
DN	David Nguyen		02/28/2017
JLK	Justin L. Knoy		02/28/2017

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division. Page 1 of 1

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda A. Black Date: 3-14-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17018

	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: 3-14-17

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

QAP Solution Batch #: 17018

Date Prepared: 2/24/2017

Analyst:	EW	DN	JLK
Date Tested:	2/24/2017	2/28/2017	2/28/2017
Instrument:	HSGC 1	HSGC 1	HSGC 1
1	0.050	0.049	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.049	0.050
5	0.050	0.050	0.050
C	0.102	0.102	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000033193	0.0000107498	0.0001016326

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

Average Solution Concentration: 0.0499 g/100mL
Standard Deviation: 0.00035 g/100mL
Precision CV (%): 0.71
Equivalent Vapor Concentration: 0.0405 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: Brianne E. O'Reilly Brianne O'Reilly 3-3-17
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 3-14-17
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 3-3-17
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		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	3/3/17
Dawn Sklerov		
Elizabeth Wehner	EW	3/7/17
Justin Knoy	JK	3.3.17
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17018
B60 3-3-17

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 17018**

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

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 17018, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

Elizabeth Wehner 3/7/17

Elizabeth Wehner

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17018**

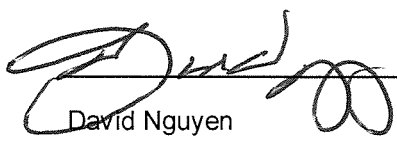
I, David Nguyen, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 17018, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

 - 3/3/17
David Nguyen Date
Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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**0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17018**

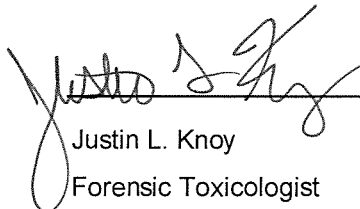
I, Justin L. Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biology, MS degree in Forensic Science, and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17018, was prepared in the Washington State Toxicology Laboratory on 2/24/2017. 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 2/24/2018.

Seattle, WA

 3.3.17
Justin L. Knoy Date
Forensic Toxicologist

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

Preparation Date: 2/24/17 Expiration Date: 2/24/18 Initials of Preparer: EW

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

Date the 200-proof Ethanol bottle was opened: 2/16/17

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>17018</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17019</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	<u> </u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17020</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17021</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

2/24/17
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:

Elizabeth Wehner
Analyst Signature

2/24/17 17018
Date Baw 3.3.17

Sequence Parameters:

Operator: Elizabeth Wehner
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170224EW
 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 - exp: 03/15/17
 CAL 2: 0.158 g/100mL - Lot: E0916-02 - exp: 03/15/17
 CAL 3: 0.316 g/100mL - Lot: E0916-03 - exp: 03/15/17

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

 n-Propanol ISTD - Lot: P0117 - exp: 04/20/2017

 Calibration vials 1-9 filed with 17018.

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	17018 #1	SIMALC1	1	Sample		
11	Vial 11	17018 #2	SIMALC1	1	Sample		
12	Vial 12	17018 #3	SIMALC1	1	Sample		
13	Vial 13	17018 #4	SIMALC1	1	Sample		
14	Vial 14	17018 #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	17019 #1	SIMALC1	1	Sample		
18	Vial 18	17019 #2	SIMALC1	1	Sample		
19	Vial 19	17019 #3	SIMALC1	1	Sample		
20	Vial 20	17019 #4	SIMALC1	1	Sample		
21	Vial 21	17019 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17020 #1	SIMALC1	1	Sample		

17018
 Buw 3.3.17

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17020 #2	SIMALC1	1	Sample		
26	Vial 26	17020 #3	SIMALC1	1	Sample		
27	Vial 27	17020 #4	SIMALC1	1	Sample		
28	Vial 28	17020 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17021 #1	SIMALC1	1	Sample		
32	Vial 32	17021 #2	SIMALC1	1	Sample		
33	Vial 33	17021 #3	SIMALC1	1	Sample		
34	Vial 34	17021 #4	SIMALC1	1	Sample		
35	Vial 35	17021 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17022 #1	SIMALC1	1	Sample		
39	Vial 39	17022 #2	SIMALC1	1	Sample		
40	Vial 40	17022 #3	SIMALC1	1	Sample		
41	Vial 41	17022 #4	SIMALC1	1	Sample		
42	Vial 42	17022 #5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	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	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!

17018
 Pw 3.3.17

EW

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

Calib. Data Modified : Friday, February 24, 2017 9:59:12 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
1.087	1 1	8.00100e-2	983.52893	8.13499e-5	1 Ethanol
		1.61200e-1	1922.11292	8.38660e-5	
		3.21790e-1	3935.13306	8.17736e-5	
1.766	1 1	1.20000e-2	2700.17896	4.44415e-6	I1 n-Propanol
		1.20000e-2	2825.58276	4.24691e-6	
		1.20000e-2	2885.54468	4.15866e-6	

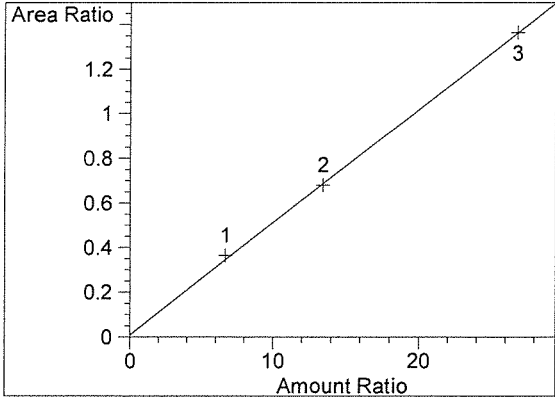
17018
 PLU 3-3-17

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

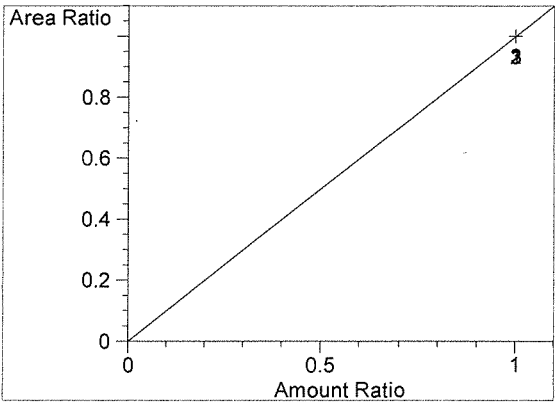
No Entries in table
 =====

EW

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



Ethanol at exp. RT: 1.087
FID1 A,
Correlation: 0.99976
Residual Std. Dev.: 0.01539
Formula: y = mx + b
m: 5.05197e-2
b: 9.50643e-3
x: Amount Ratio
y: Area Ratio



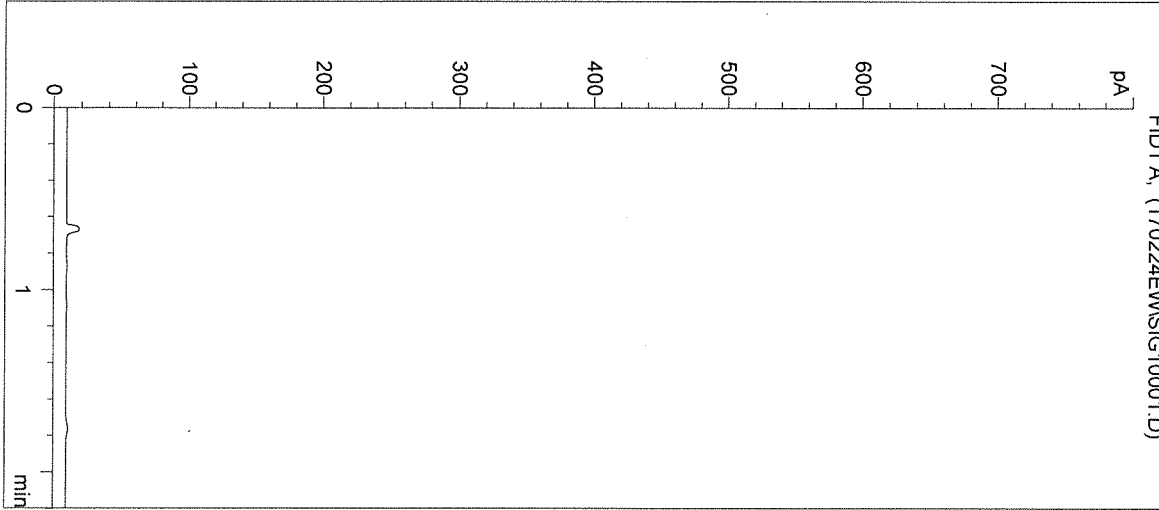
n-Propanol at exp. RT: 1.766
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

17018
BLW 3-3-17

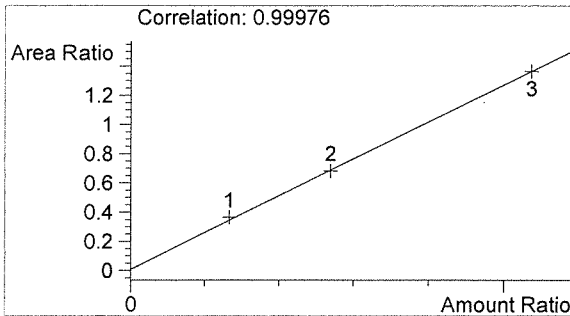
EW

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

Inj. Date: 2/24/2017 9:47:06 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17018

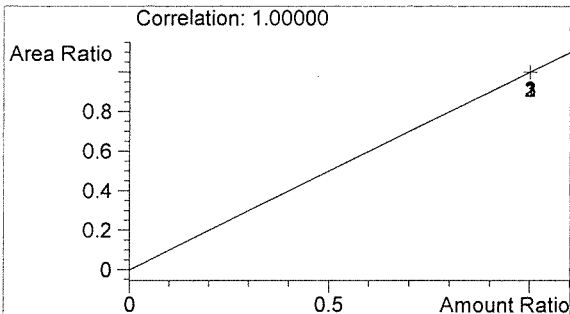


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BWD



n-Propanol 0.000 g/100mL

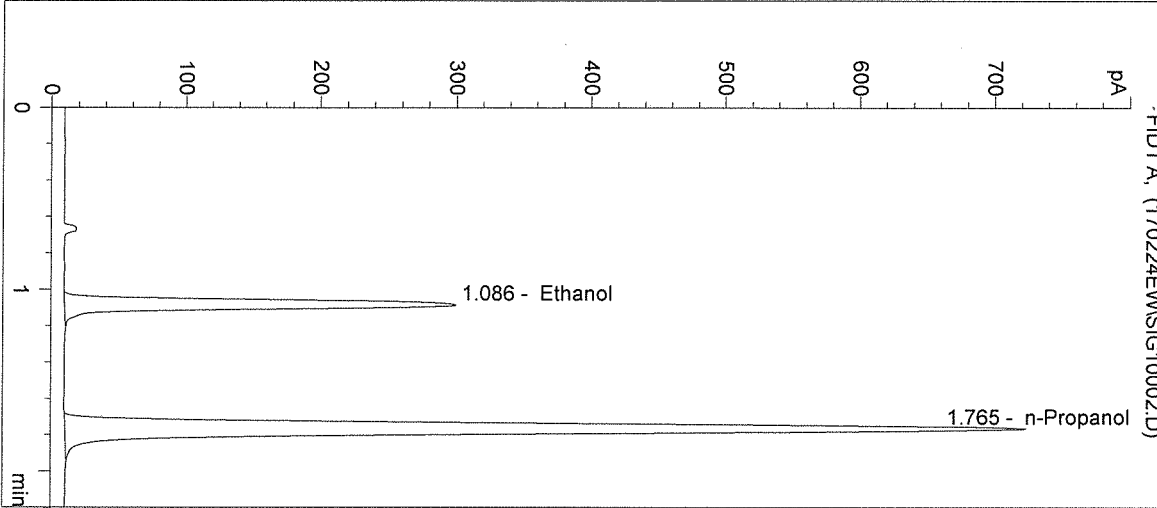
EW

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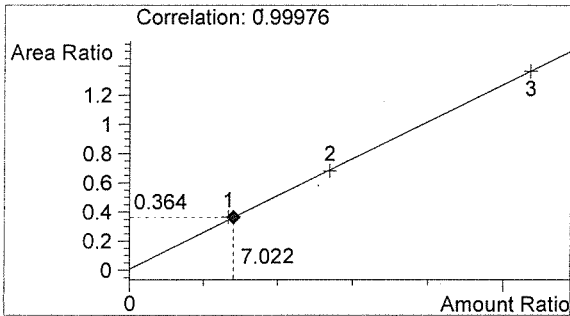
Inj. Date: 2/24/2017 9:50:24 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 1: 0.079 g/100mL
 17018

Sample Name: CAL 1 (0.079)
 Operator: Elizabeth Wehner
 Location: Vial 2

->

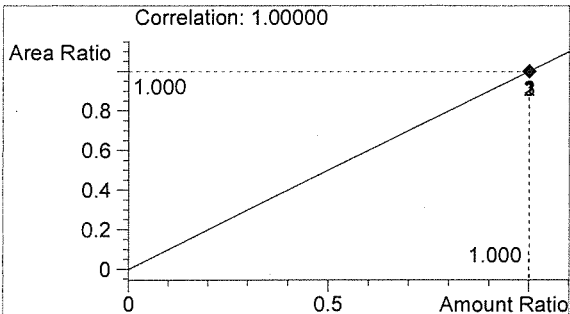


#	Compound	Peak Area	RT (min)
1	Ethanol	984	1.086
2	n-Propanol	2700	1.765



Ethanol 0.084 g/100mL

AW



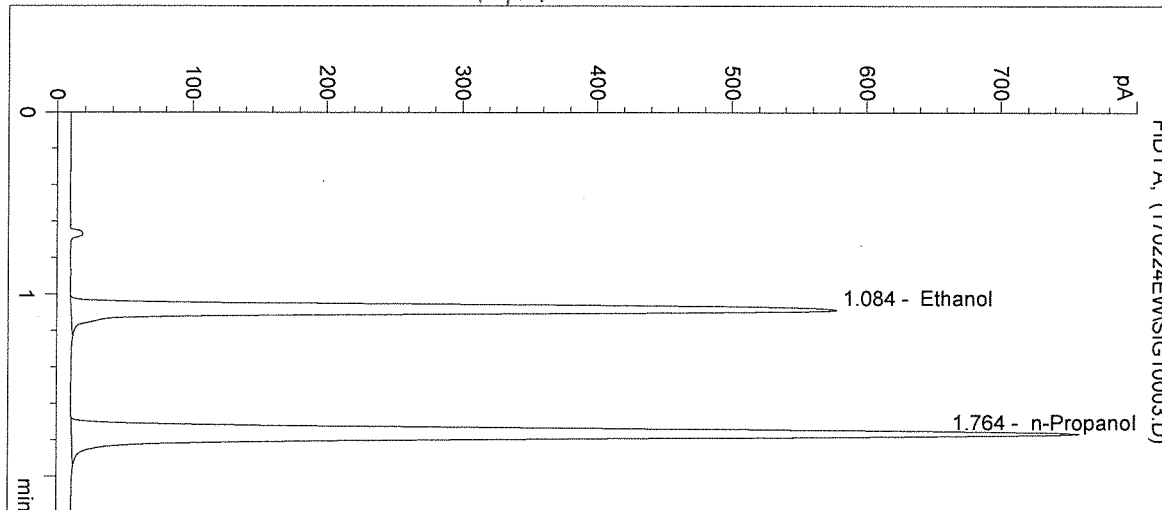
n-Propanol 0.012 g/100mL

EW

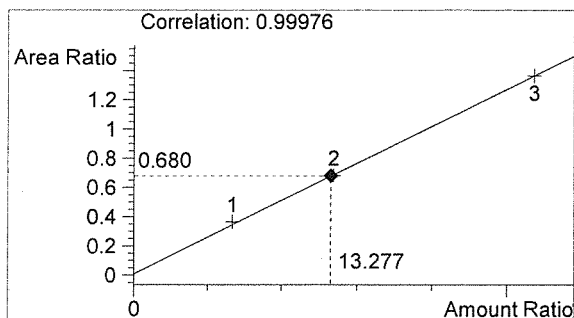
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 9:53:41 AM Sample Name: CAL 2 (0.158)
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 3
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 2: 0.158 g/100mL

~~16063~~ 17018 EW 3/3/17

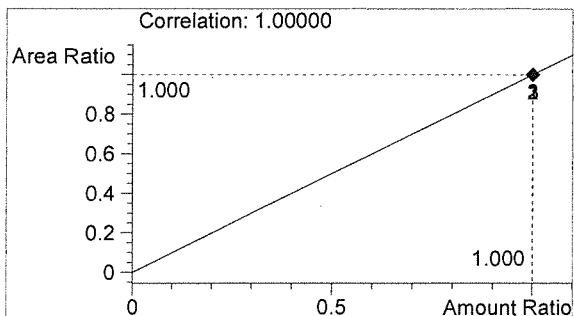


#	Compound	Peak Area	RT (min)
1	Ethanol	1922	1.084
2	n-Propanol	2826	1.764



Ethanol 0.159 g/100mL

BW

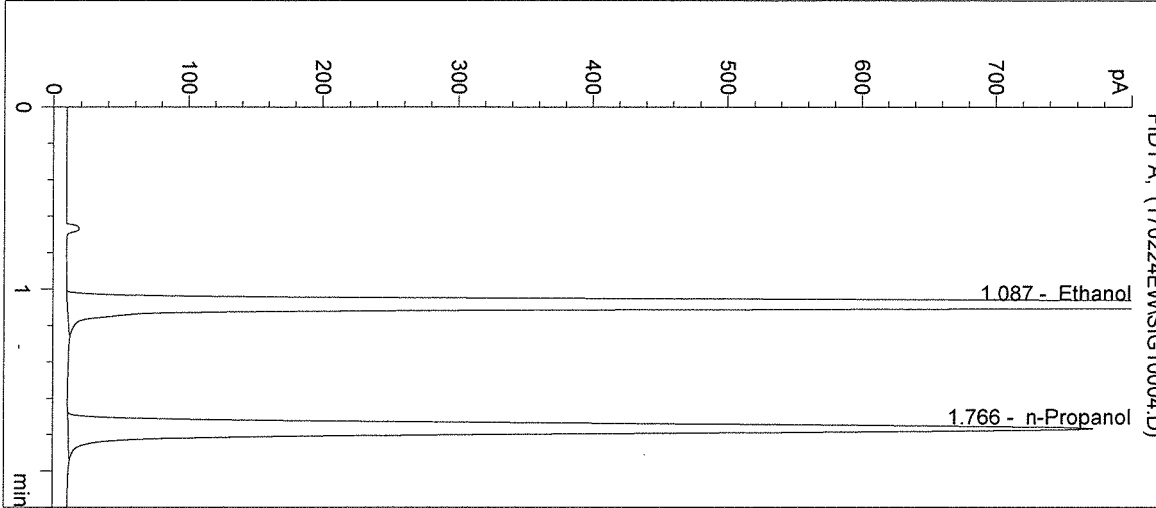


n-Propanol 0.012 g/100mL

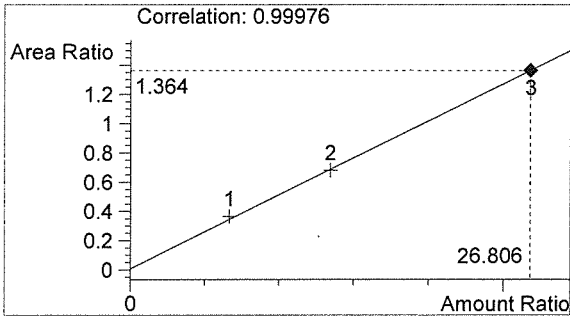
EW

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

Inj. Date: 2/24/2017 9:56:59 AM Sample Name: CAL 3 (0.316)
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 4
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 3: 0.316 g/100mL
 17018

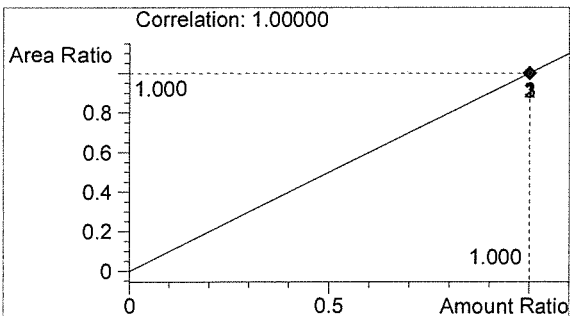


#	Compound	Peak Area	RT (min)
1	Ethanol	3935	1.087
2	n-Propanol	2886	1.766



Ethanol 0.322 g/100mL

BW

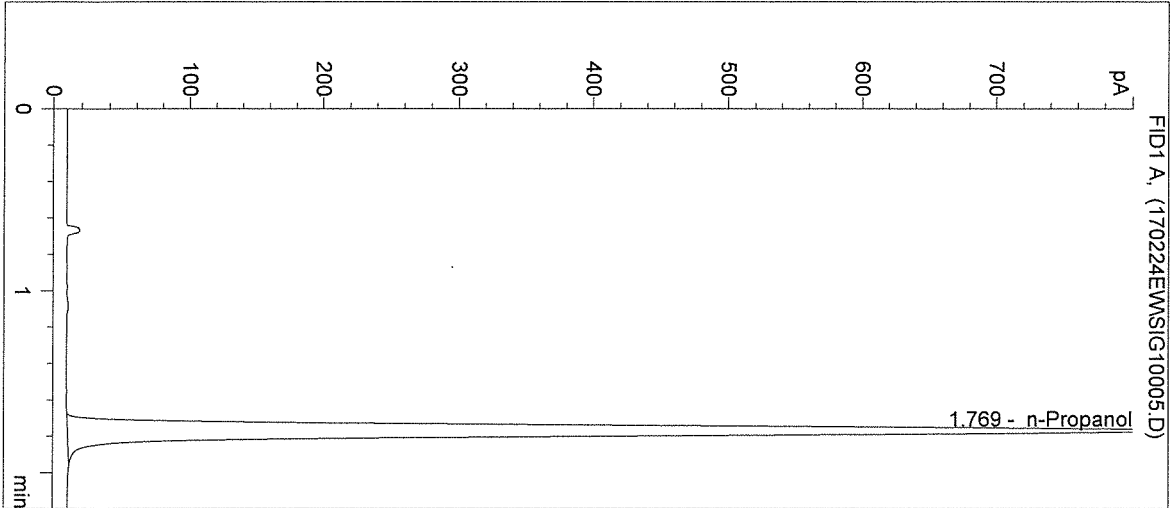


n-Propanol 0.012 g/100mL

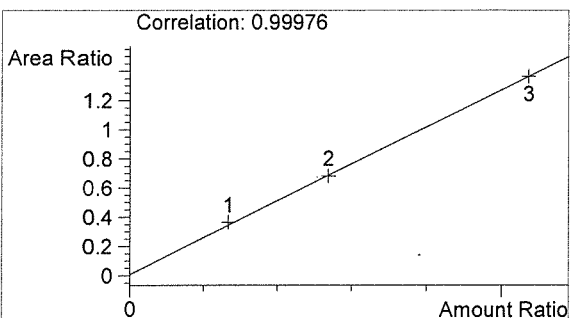
EW

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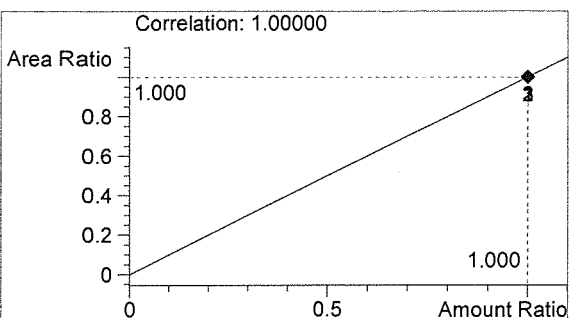
Inj. Date: 2/24/2017 10:00:12 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17018



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3180	1.769



Ethanol 0.000 g/100mL
AW



n-Propanol 0.012 g/100mL

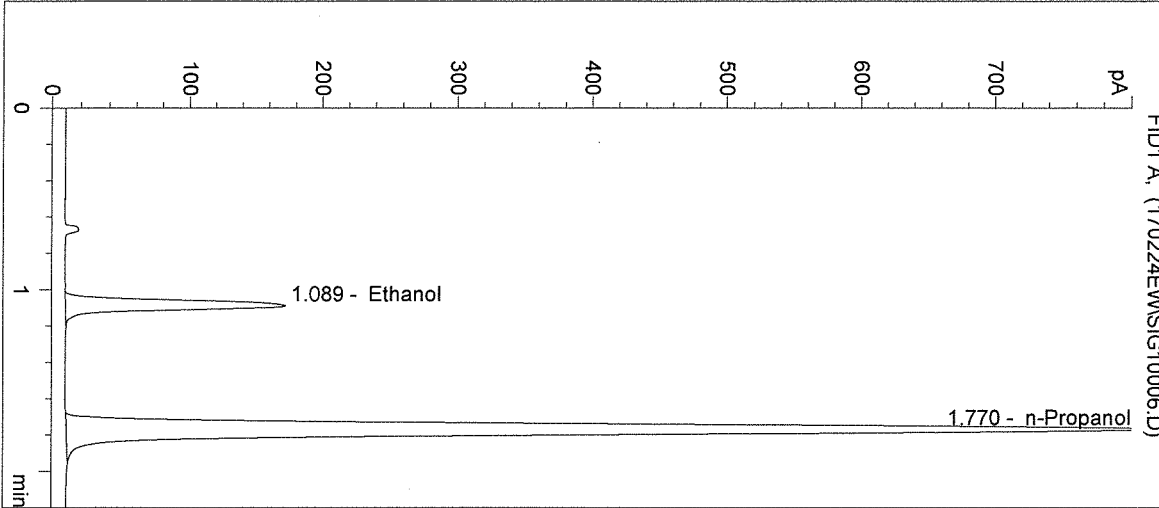
EW

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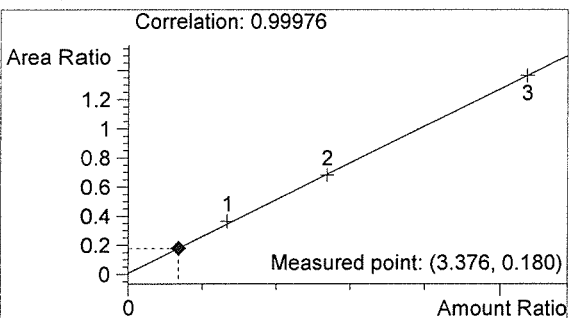
Inj. Date: 2/24/2017 10:03:24 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 17018

Sample Name: CTRL 1 (0.04)
 Operator: Elizabeth Wehner
 Location: Vial 6

->

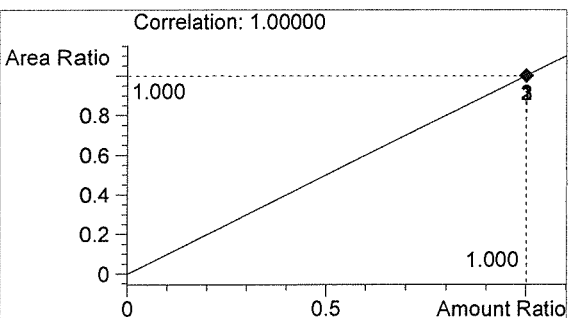


#	Compound	Peak Area	RT (min)
1	Ethanol	562	1.089
2	n-Propanol	3118	1.770



Ethanol 0.041 g/100mL

BLW



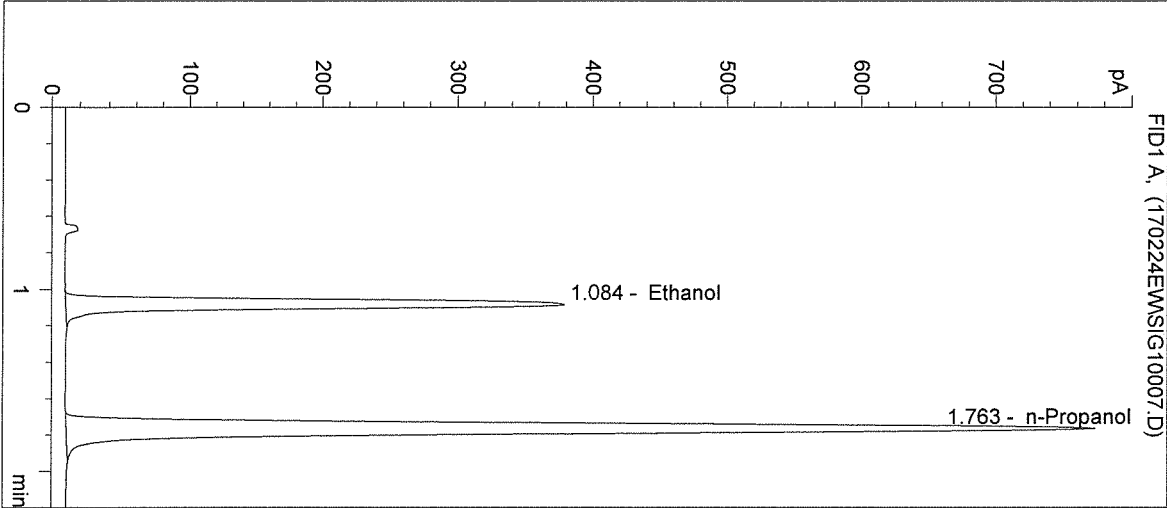
n-Propanol 0.012 g/100mL

EW

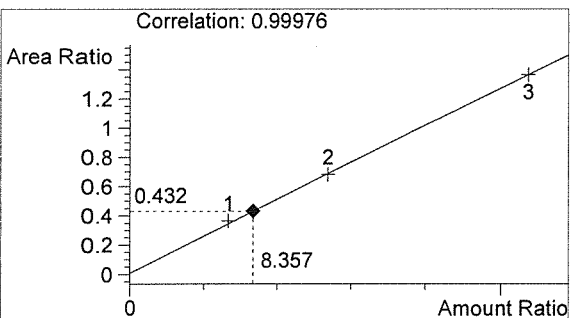
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 10:06:38 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 2: 0.10 g/100mL
 17018

Sample Name: CTRL 2 (0.10)
 Operator: Elizabeth Wehner
 Location: Vial 7

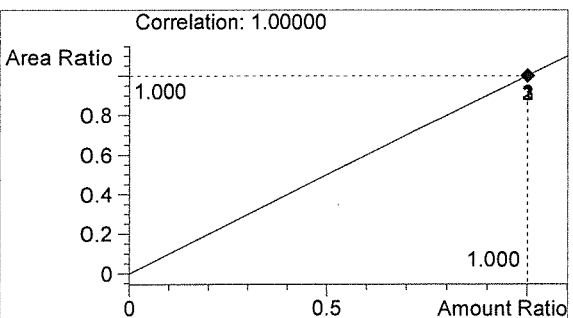


#	Compound	Peak Area	RT (min)
1	Ethanol	1243	1.084
2	n-Propanol	2880	1.763



Ethanol 0.100 g/100mL

AW



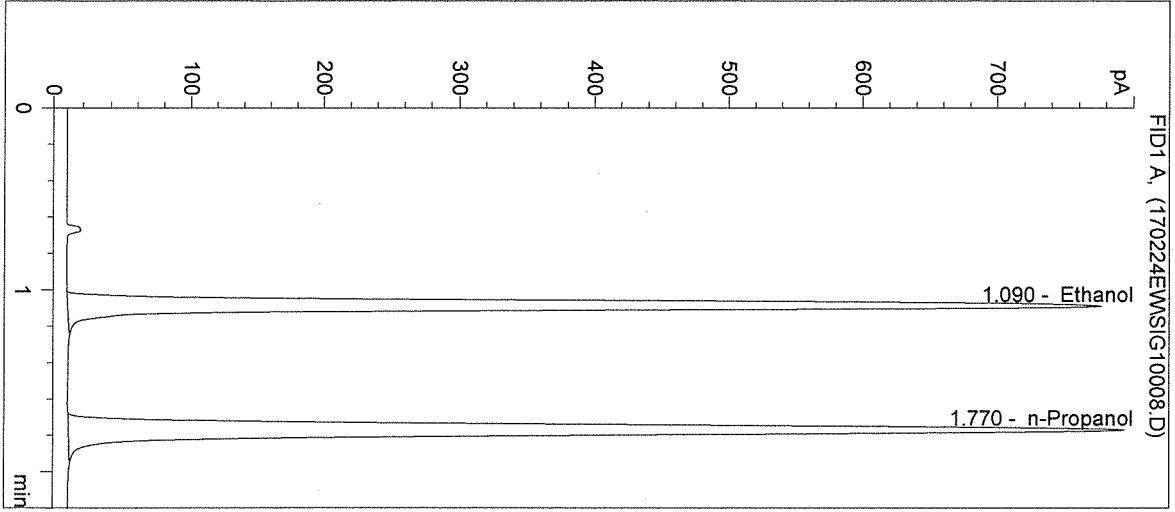
n-Propanol 0.012 g/100mL

EW

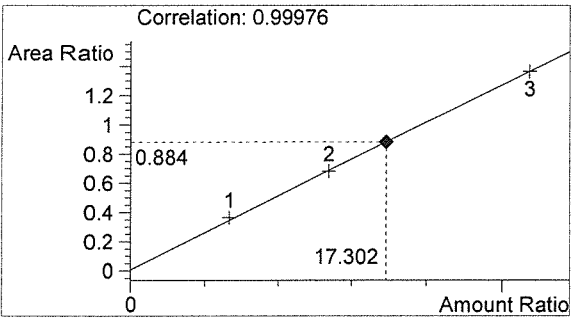
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 10:09:51 AM Sample Name: CTRL 3 (0.20)
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 8
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 17018

- >

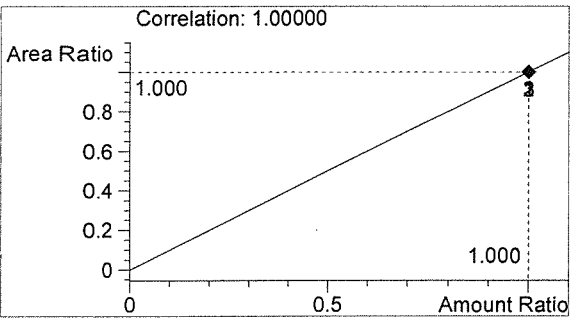


#	Compound	Peak Area	RT (min)
1	Ethanol	2670	1.090
2	n-Propanol	3021	1.770



Ethanol 0.208 g/100mL

BLW

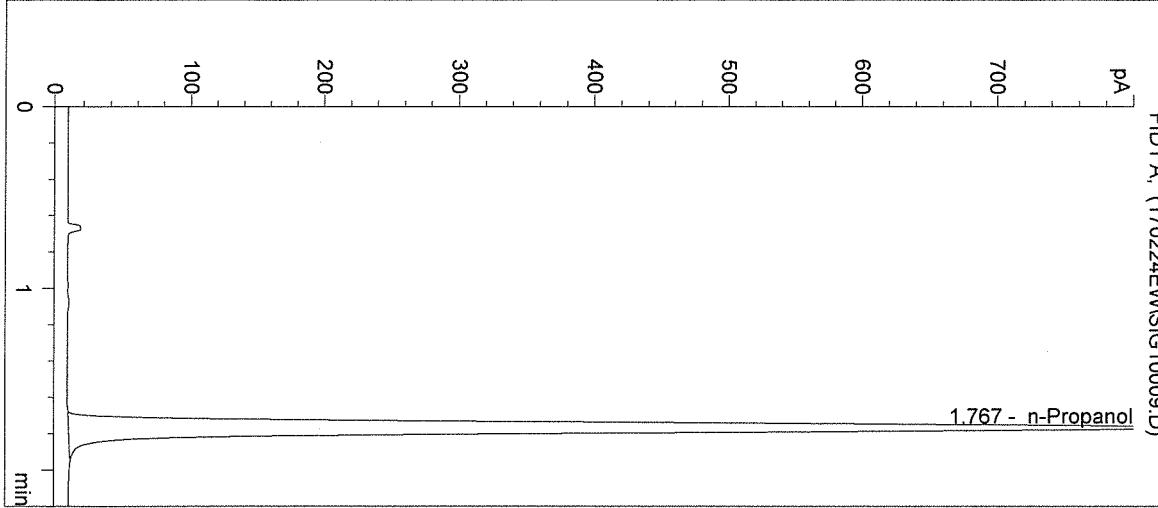


n-Propanol 0.012 g/100mL

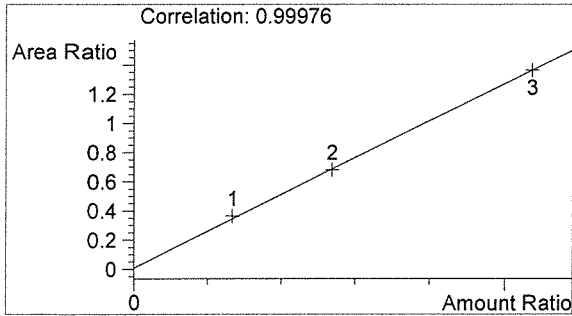
EW

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

Inj. Date: 2/24/2017 10:13:04 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17018

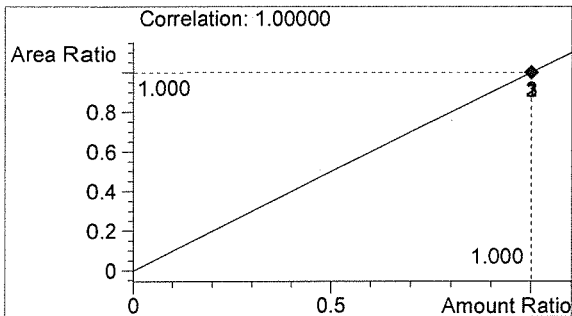


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3146	1.767



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 2/24/2017 10:16:18 AM

Sample Name: 17018 #1

Instrument: HSGC#1

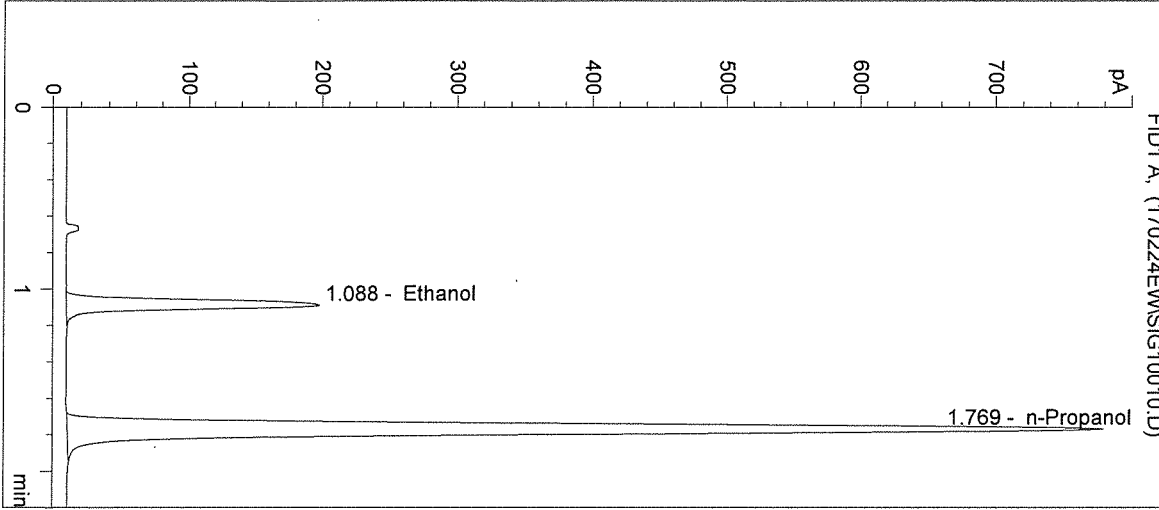
Operator: Elizabeth Wehner

Column: DB-ALC1

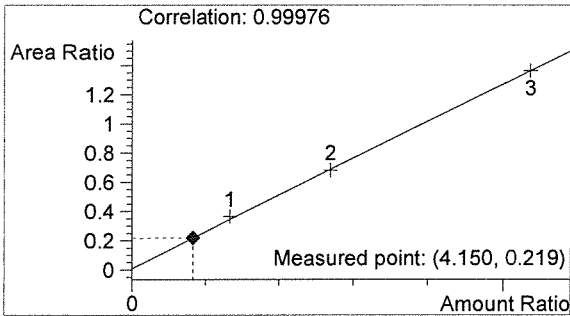
Location: Vial 10

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

Sample Info:

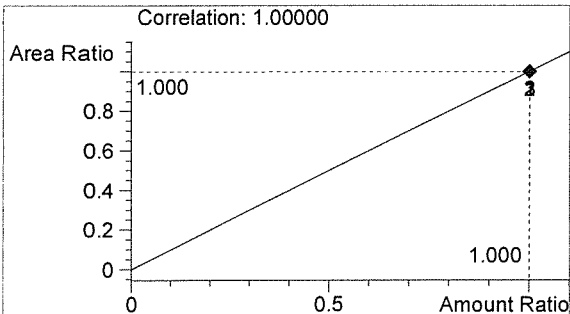


#	Compound	Peak Area	RT (min)
1	Ethanol	644	1.088
2	n-Propanol	2938	1.769



Ethanol 0.050 g/100mL

AWD

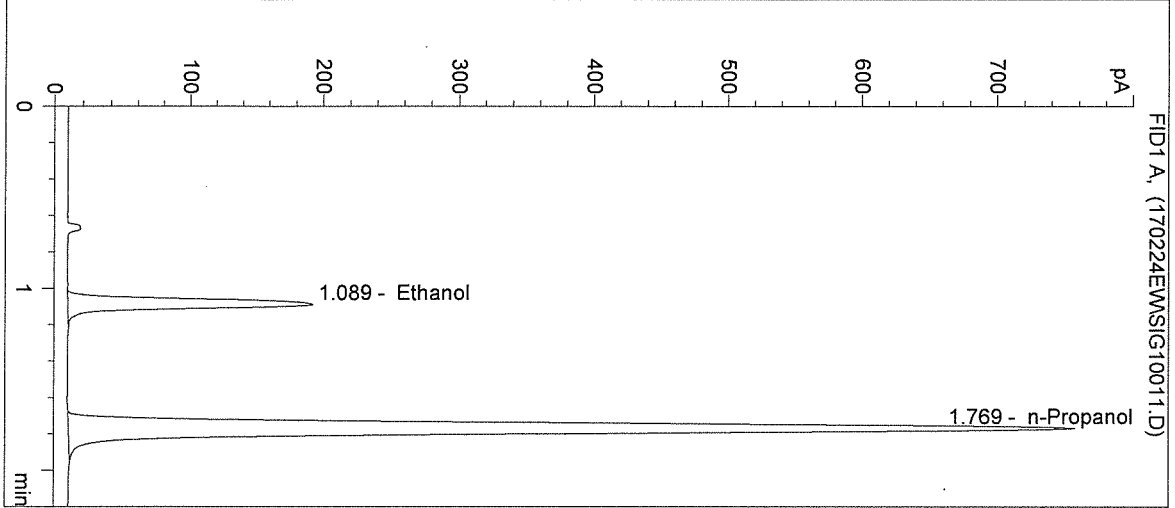


n-Propanol 0.012 g/100mL

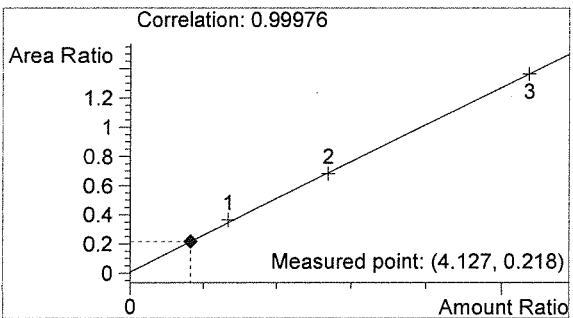
EW

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

Inj. Date: 2/24/2017 10:19:31 AM Sample Name: 17018 #2
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 11
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

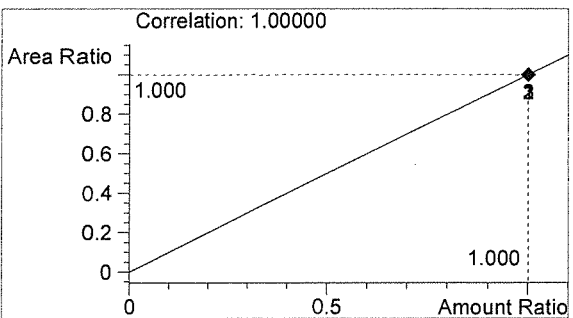


#	Compound	Peak Area	RT (min)
1	Ethanol	623	1.089
2	n-Propanol	2858	1.769



Ethanol 0.050 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

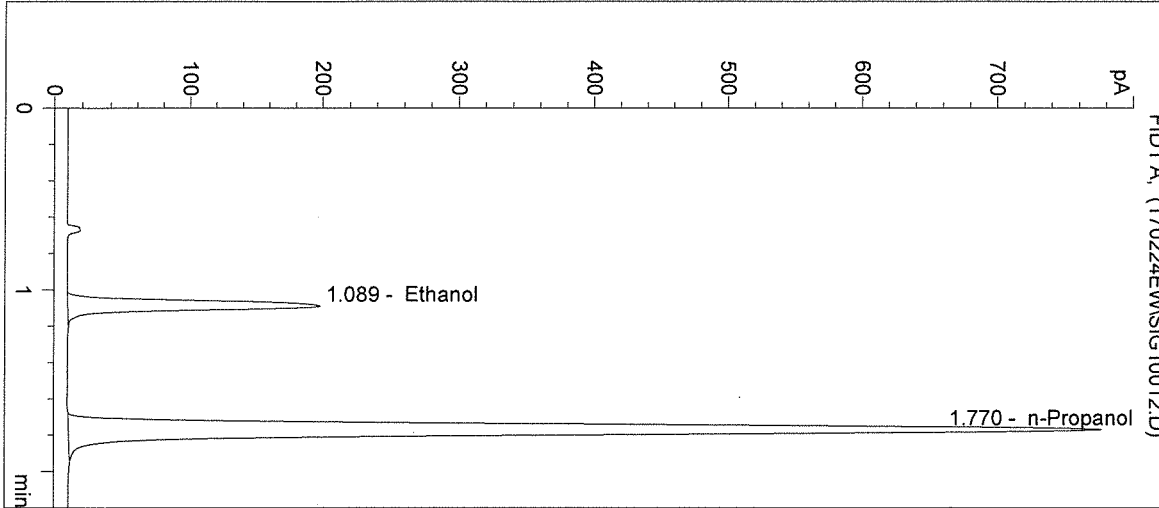
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 10:22:44 AM
Instrument: HSGC#1

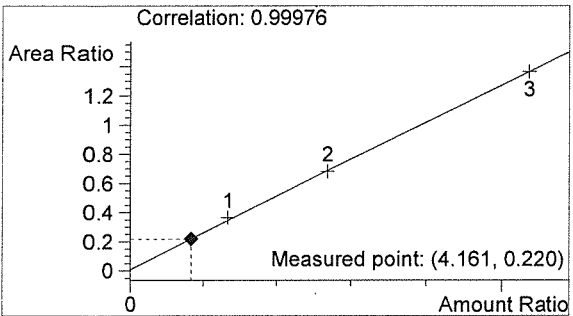
Sample Name: 17018 #3
Operator: Elizabeth Wehner
Location: Vial 12

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

Sample Info:

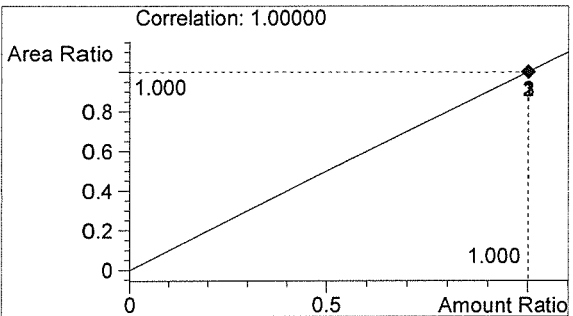


#	Compound	Peak Area	RT (min)
1	Ethanol	647	1.089
2	n-Propanol	2944	1.770



Ethanol 0.050 g/100mL

PLU



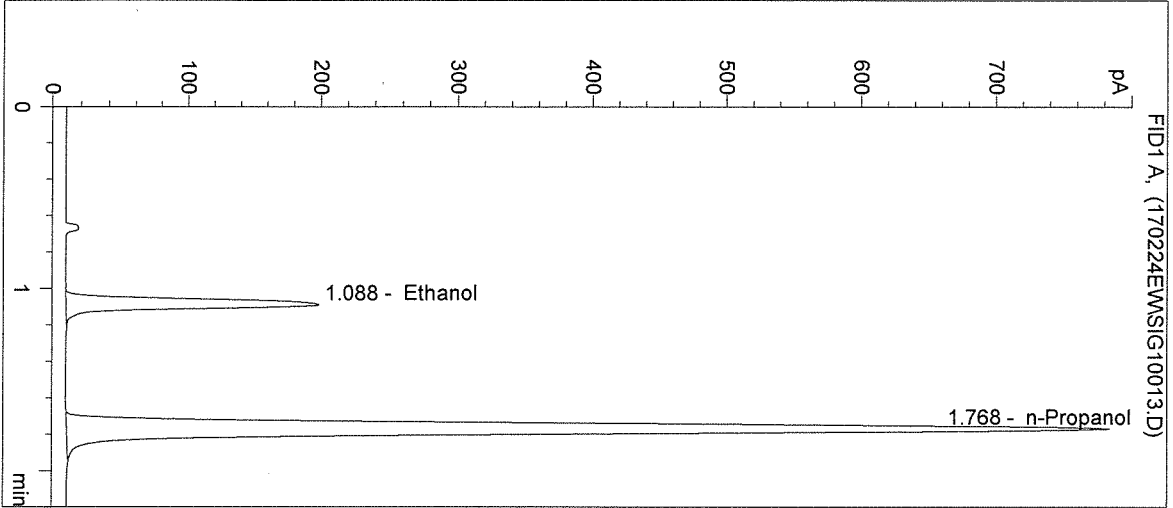
n-Propanol 0.012 g/100mL

EW

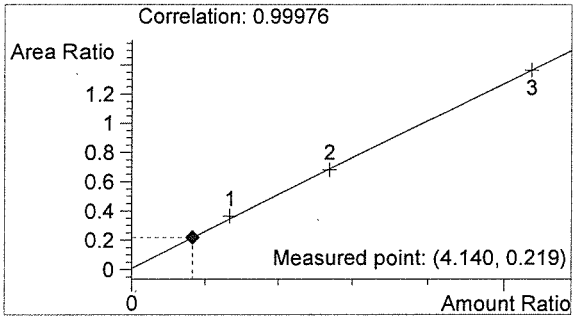
Inj. Date: 2/24/2017 10:25:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: 17018 #4
Operator: Elizabeth Wehner
Location: Vial 13

Sample Info:

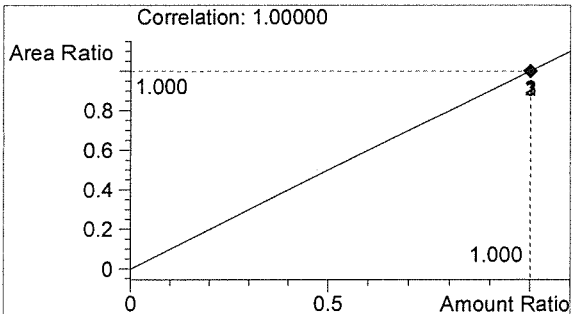


#	Compound	Peak Area	RT (min)
1	Ethanol	646	1.088
2	n-Propanol	2956	1.768



Ethanol 0.050 g/100mL

PLW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 2/24/2017 10:29:10 AM

Sample Name: 17018 #5

Instrument: HSGC#1

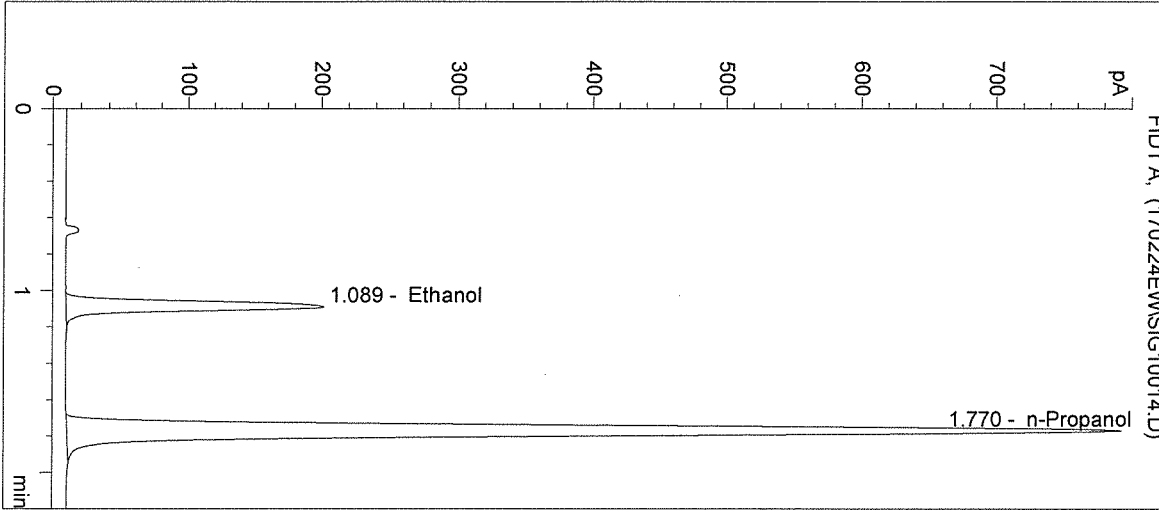
Operator: Elizabeth Wehner

Column: DB-ALC1

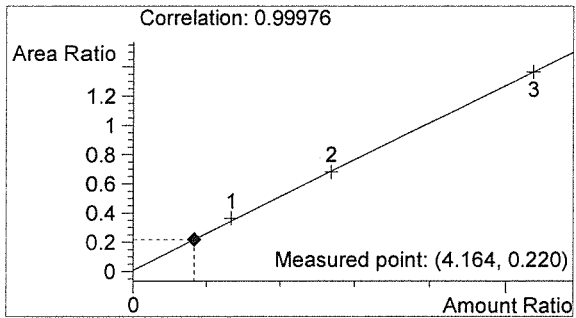
Location: Vial 14

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

Sample Info:

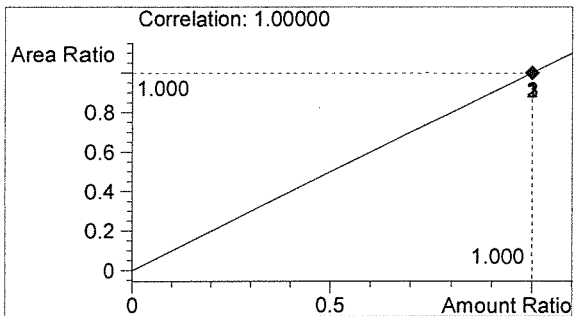


#	Compound	Peak Area	RT (min)
1	Ethanol	660	1.089
2	n-Propanol	3001	1.770



Ethanol 0.050 g/100mL

AW



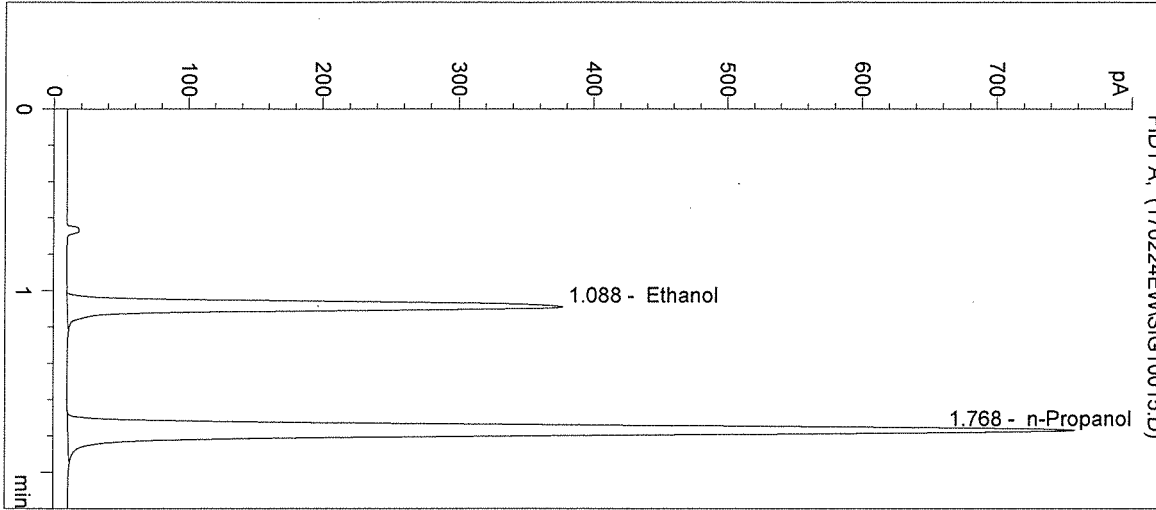
n-Propanol 0.012 g/100mL

EW

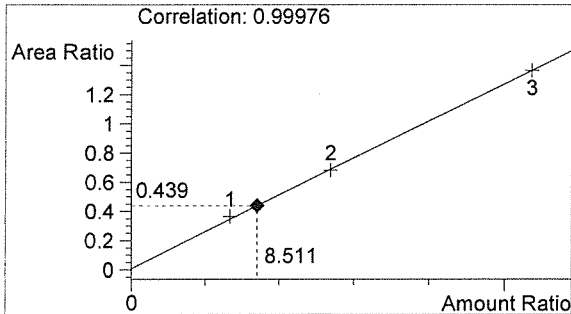
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/24/2017 10:32:23 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 15
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 17018

- >

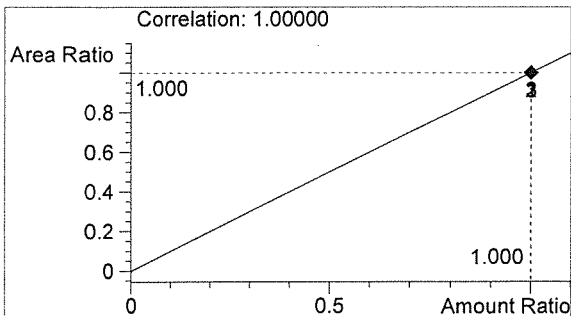


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.088
2	n-Propanol	2857	1.768



Ethanol 0.102 g/100mL

BW



n-Propanol 0.012 g/100mL

BW

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

Inj. Date: 2/24/2017 10:35:37 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

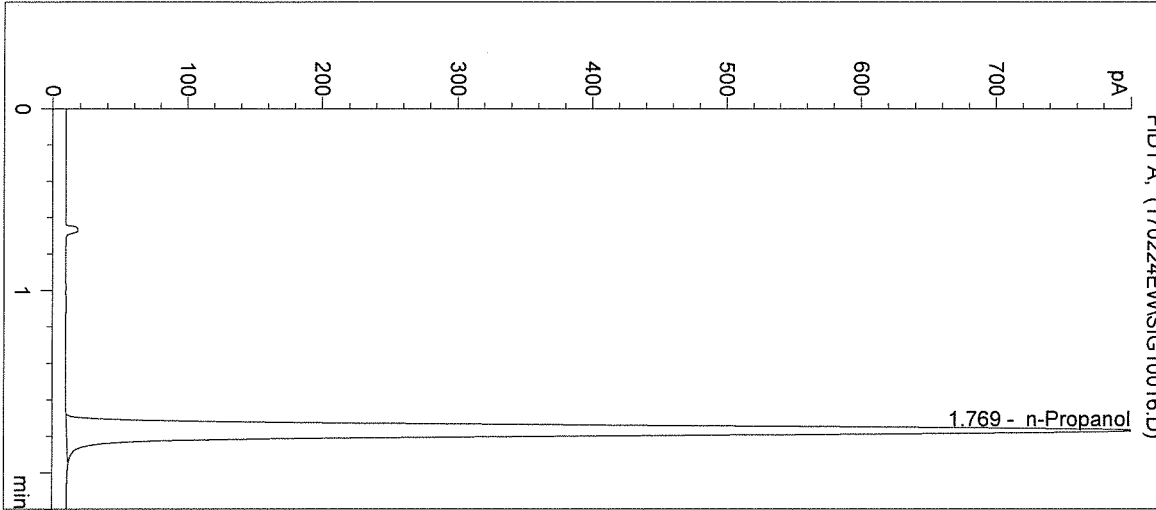
Operator: Elizabeth Wehner

Column: DB-ALC1

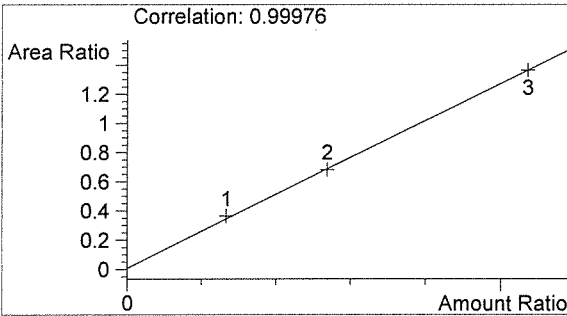
Location: Vial 16

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

Sample Info: 17018

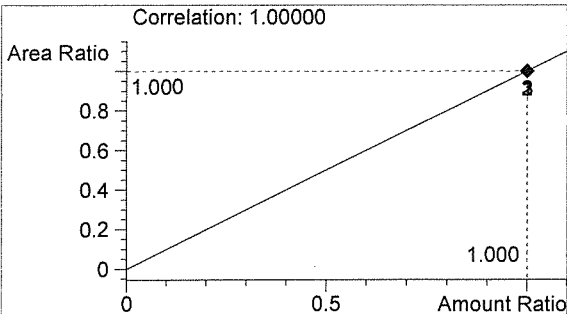


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3059	1.769



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

EW

Sequence Parameters:

Operator: David Nguyen
 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: 170228DN
 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: E0217-01 - X: 08/21/17
 CAL 2: 0.158 g/100mL - Lot: E0217-02 - X: 08/21/17
 CAL 3: 0.316 g/100mL - Lot: E0217-03 - X: 08/21/17

 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 17018.

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	17018 #1	SIMALC1	1	Sample		
11	Vial 11	17018 #2	SIMALC1	1	Sample		
12	Vial 12	17018 #3	SIMALC1	1	Sample		
13	Vial 13	17018 #4	SIMALC1	1	Sample		
14	Vial 14	17018 #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	17019 #1	SIMALC1	1	Sample		
18	Vial 18	17019 #2	SIMALC1	1	Sample		
19	Vial 19	17019 #3	SIMALC1	1	Sample		
20	Vial 20	17019 #4	SIMALC1	1	Sample		
21	Vial 21	17019 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17020 #1	SIMALC1	1	Sample		

17018
 flu 3.3.17

DN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17020 #2	SIMALC1	1	Sample		
26	Vial 26	17020 #3	SIMALC1	1	Sample		
27	Vial 27	17020 #4	SIMALC1	1	Sample		
28	Vial 28	17020 #5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17021 #1	SIMALC1	1	Sample		
32	Vial 32	17021 #2	SIMALC1	1	Sample		
33	Vial 33	17021 #3	SIMALC1	1	Sample		
34	Vial 34	17021 #4	SIMALC1	1	Sample		
35	Vial 35	17021 #5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17022 #1	SIMALC1	1	Sample		
39	Vial 39	17022 #2	SIMALC1	1	Sample		
40	Vial 40	17022 #3	SIMALC1	1	Sample		
41	Vial 41	17022 #4	SIMALC1	1	Sample		
42	Vial 42	17022 #5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	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	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!

17018
 PWO 3.3.17

DN

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

Calib. Data Modified : Tuesday, February 28, 2017 9:17:40 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

17018
BUO 3-3-17

Signal 1: FID1 A,

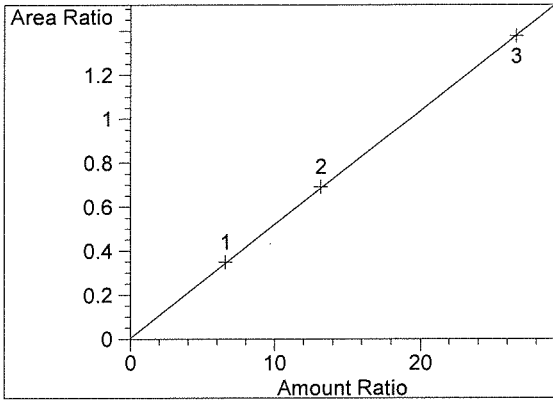
RetTime [min]	Lvl Sig	Amount [g/100mL]	Area	Amt/Area	Ref Grp Name
1.088	1 1	7.91500e-2	1017.70282	7.77732e-5	1 Ethanol
		2 1.58300e-1	1981.43604	7.98916e-5	
		3 3.19520e-1	3932.85620	8.12438e-5	
1.768	1 1	1.20000e-2	2918.81567	4.11126e-6	I1 n-Propanol
		2 1.20000e-2	2862.89746	4.19156e-6	
		3 1.20000e-2	2852.89990	4.20625e-6	

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

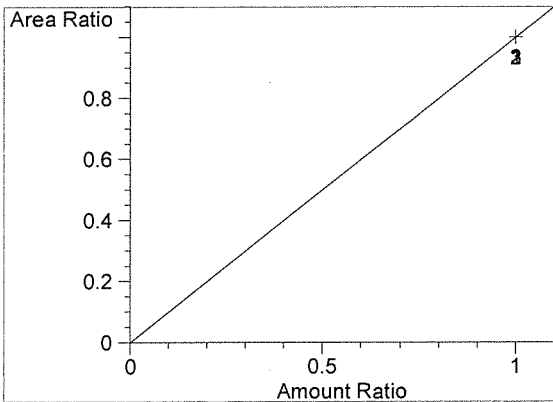
No Entries in table
=====

DN

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



Ethanol at exp. RT: 1.088
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00580
Formula: $y = mx + b$
m: 5.17178e-2
b: 4.72117e-3
x: Amount Ratio
y: Area Ratio



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

=====

17018
PLW 3-3-17

DN

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

Inj. Date: 2/28/2017 9:05:31 AM

Sample Name: BLANK

Instrument: HSGC#1

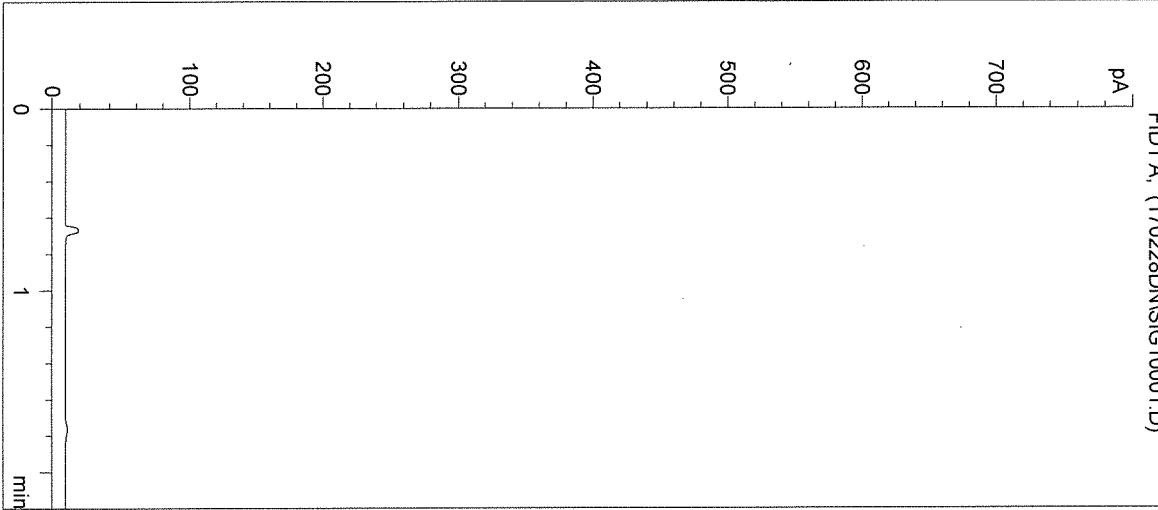
Operator: David Nguyen

Column: DB-ALC1

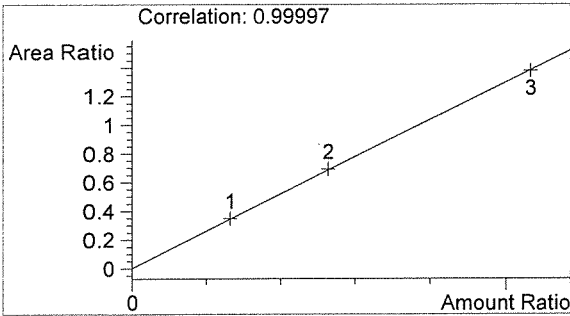
Location: Vial 1

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

Sample Info: 17018

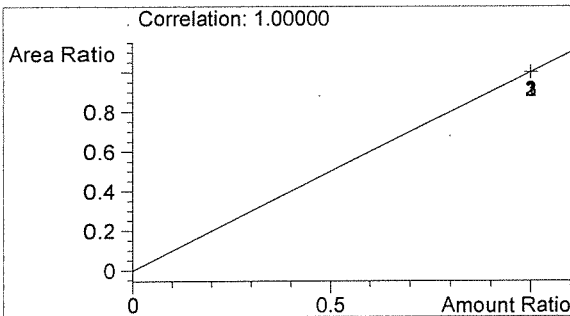


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.000 g/100mL

DN

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

Inj. Date: 2/28/2017 9:08:50 AM

Sample Name: CAL 1 (0.079)

Instrument: HSGC#1

Operator: David Nguyen

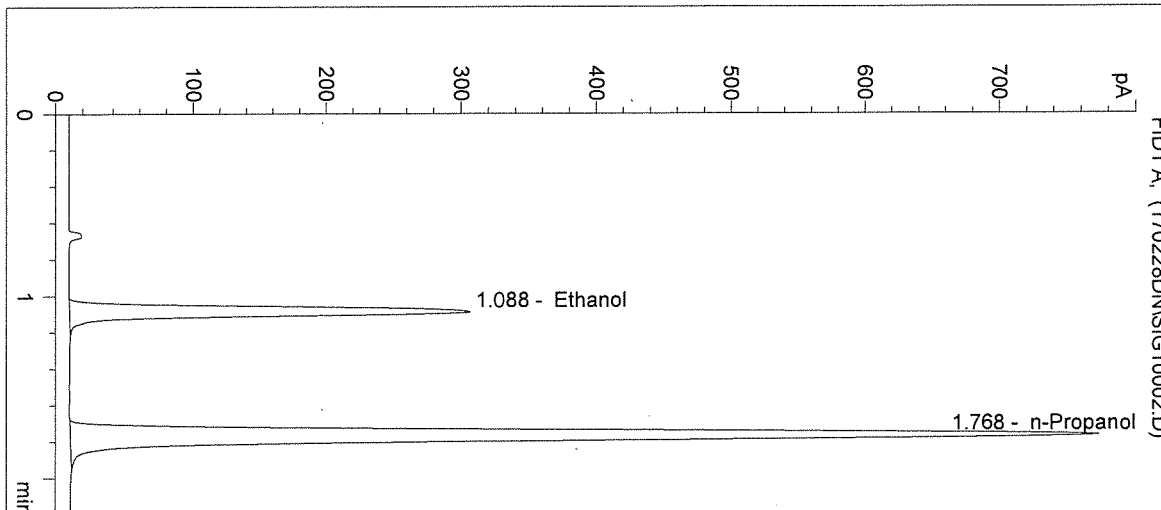
Column: DB-ALC1

Location: Vial 2

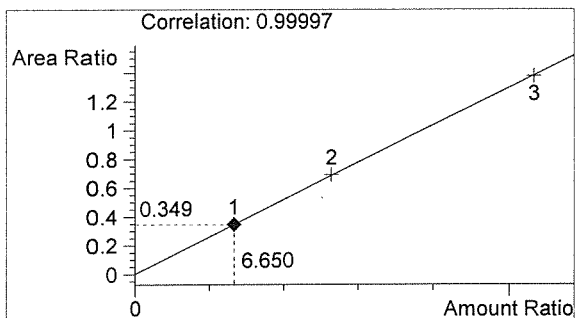
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: CAL 1: 0.079 g/100mL
 17018

->

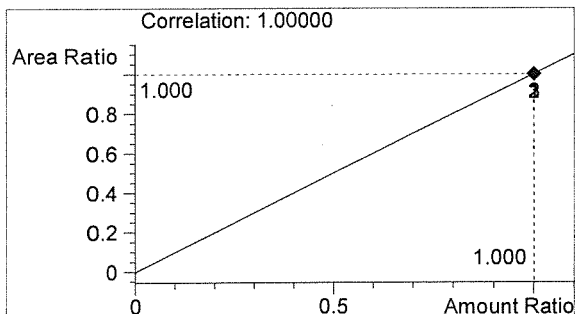


#	Compound	Peak Area	RT (min)
1	Ethanol	1018	1.088
2	n-Propanol	2919	1.768



Ethanol 0.080 g/100mL

BW



n-Propanol 0.012 g/100mL

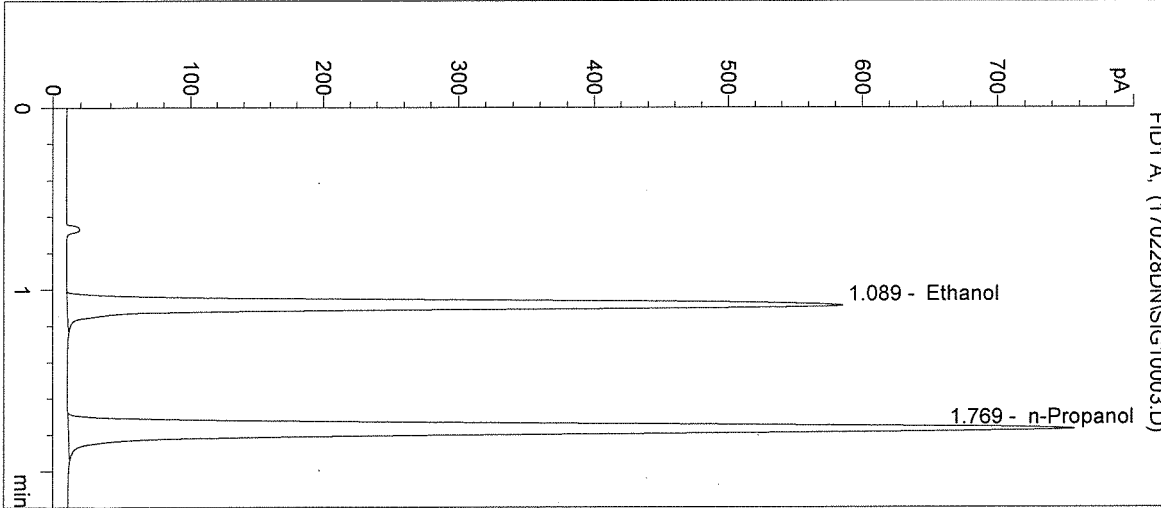
DN

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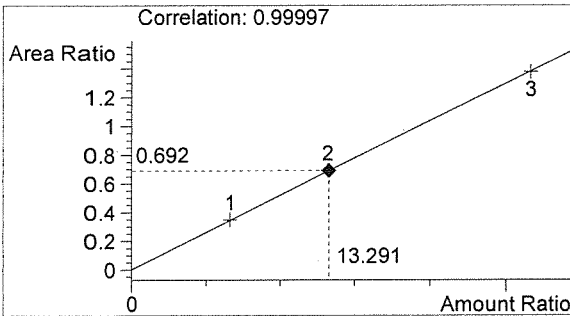
Inj. Date: 2/28/2017 9:12:07 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 2: 0.158 g/100mL
 17018

Sample Name: CAL 2 (0.158)
 Operator: David Nguyen
 Location: Vial 3

->

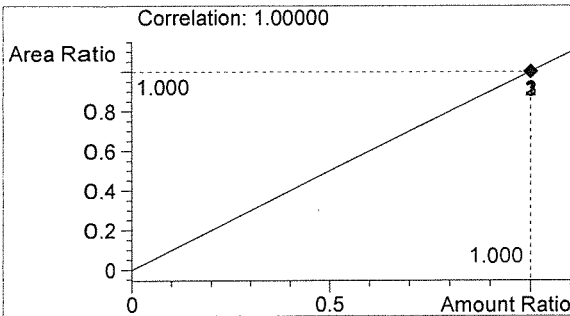


#	Compound	Peak Area	RT (min)
1	Ethanol	1981	1.089
2	n-Propanol	2863	1.769



Ethanol 0.159 g/100mL

BLW



n-Propanol 0.012 g/100mL

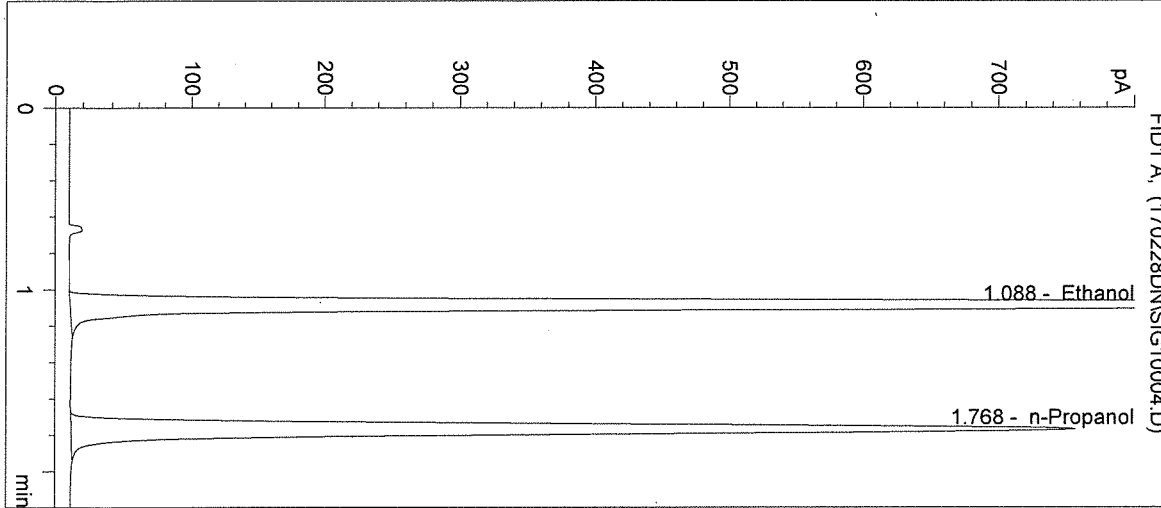
DN

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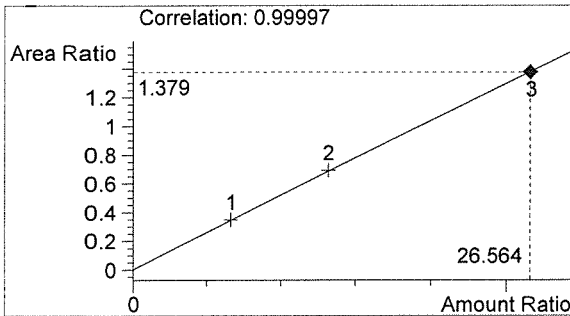
Inj. Date: 2/28/2017 9:15:27 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CAL 3: 0.316 g/100mL
 17018

Sample Name: CAL 3 (0.316)
 Operator: David Nguyen
 Location: Vial 4

->

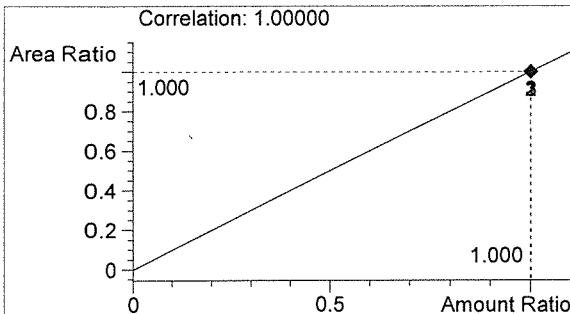


#	Compound	Peak Area	RT (min)
1	Ethanol	3933	1.088
2	n-Propanol	2853	1.768



Ethanol 0.319 g/100mL

BLW



n-Propanol 0.012 g/100mL

DN

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Inj. Date: 2/28/2017 9:18:40 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

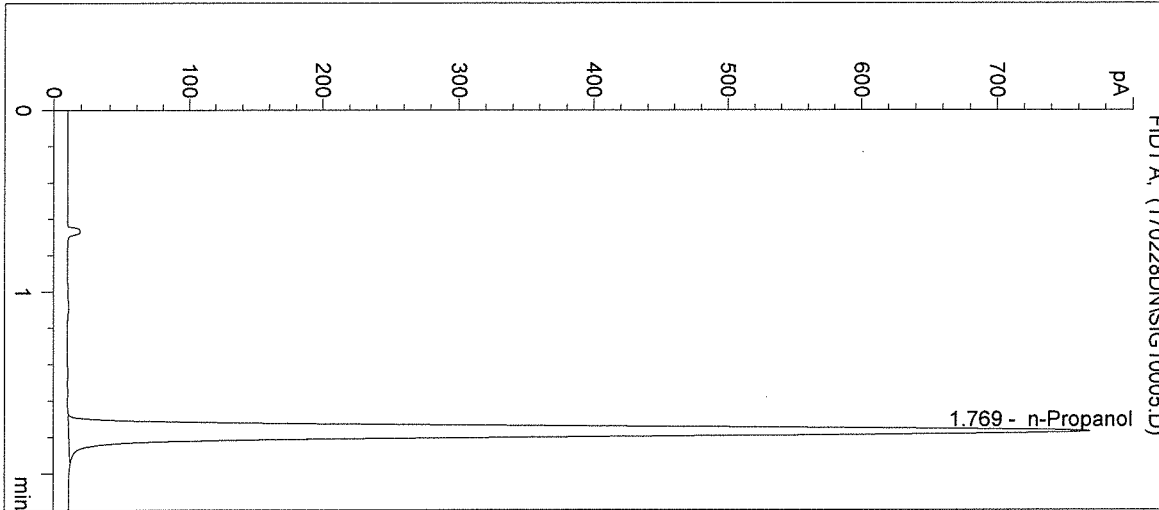
Operator: David Nguyen

Column: DB-ALC1

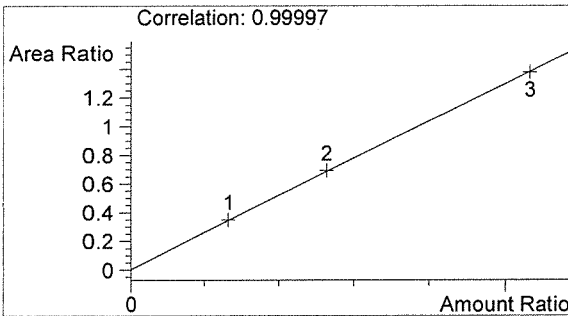
Location: Vial 5

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

Sample Info: 17018

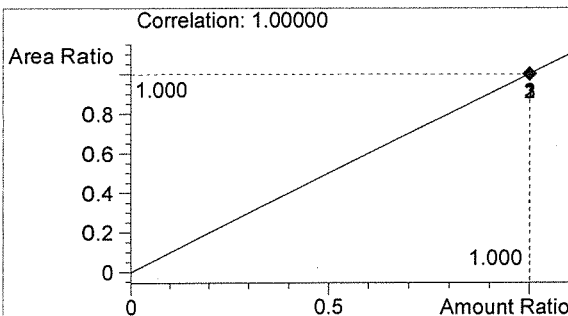


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2907	1.769



Ethanol 0.000 g/100mL

BLU



n-Propanol 0.012 g/100mL

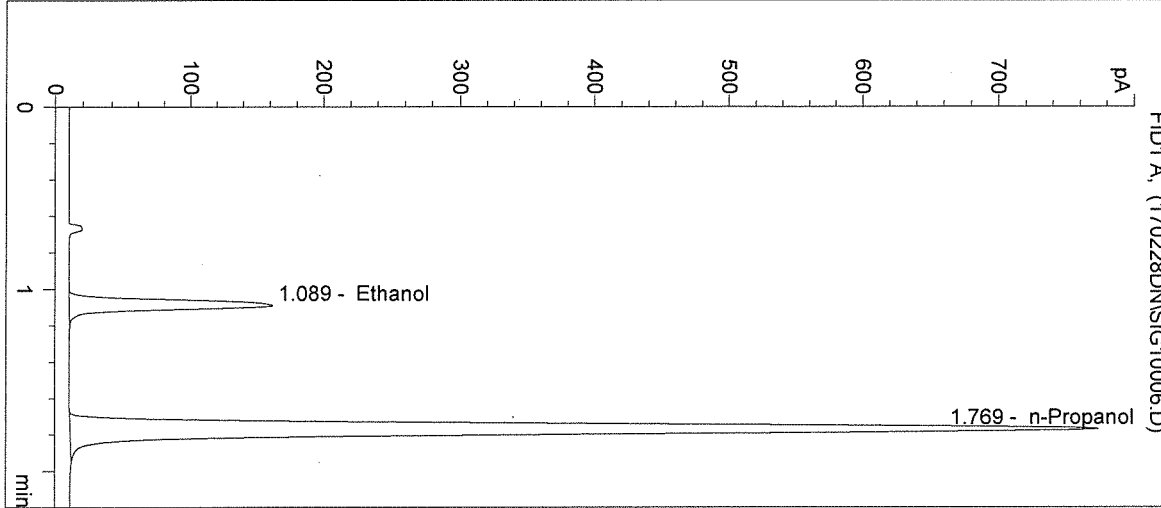
DN

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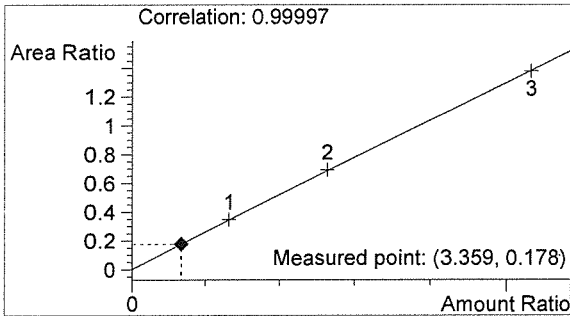
Inj. Date: 2/28/2017 9:21:53 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 1: 0.04 g/100mL
 17018

Sample Name: CTRL 1 (0.04)
 Operator: David Nguyen
 Location: Vial 6

->

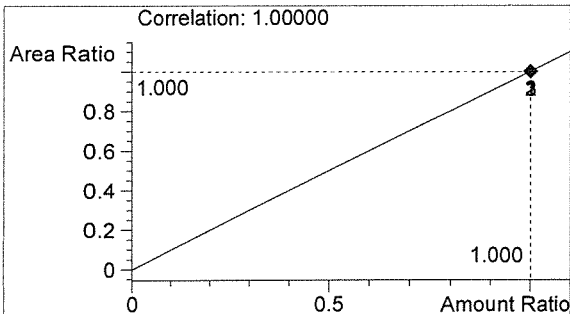


#	Compound	Peak Area	RT (min)
1	Ethanol	524	1.089
2	n-Propanol	2937	1.769



Ethanol 0.040 g/100mL

BLU



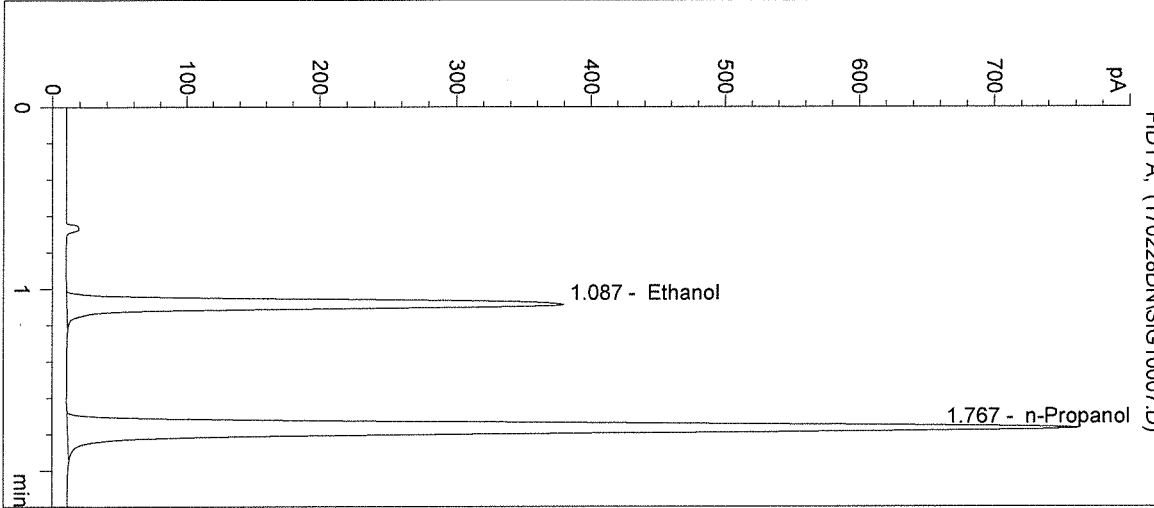
n-Propanol 0.012 g/100mL

DN

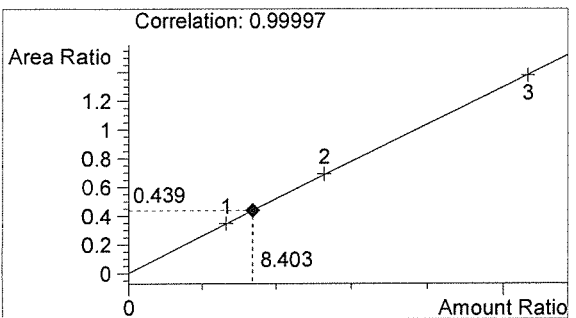
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Inj. Date: 2/28/2017 9:25:06 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 2: 0.10 g/100mL
 17018

Sample Name: CTRL 2 (0.10)
 Operator: David Nguyen
 Location: Vial 7

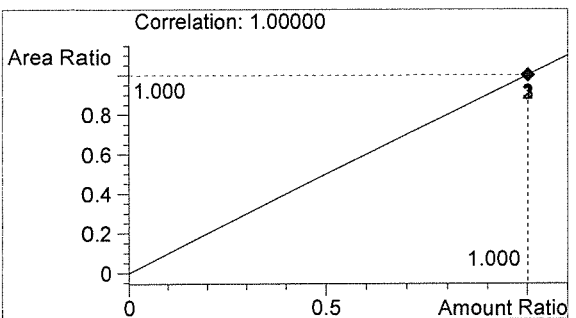


#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.087
2	n-Propanol	2870	1.767



Ethanol 0.101 g/100mL

Buo



n-Propanol 0.012 g/100mL

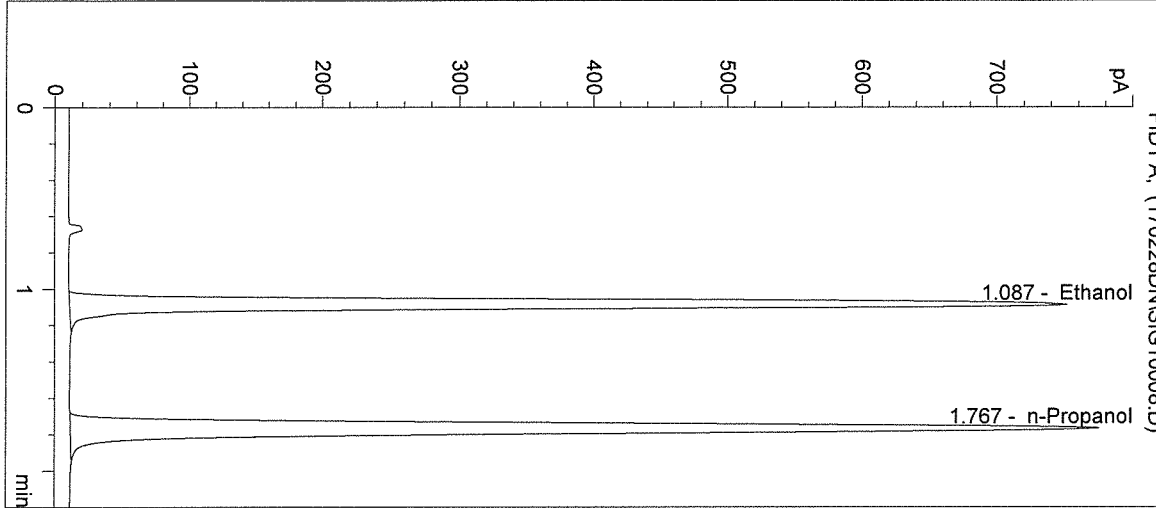
DN

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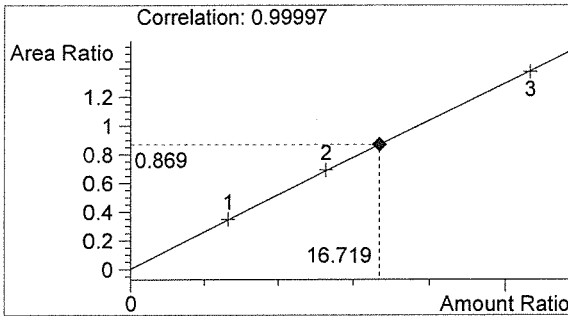
Inj. Date: 2/28/2017 9:28:20 AM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: CTRL 3: 0.20 g/100mL
 17018

Sample Name: CTRL 3 (0.20)
 Operator: David Nguyen
 Location: Vial 8

->

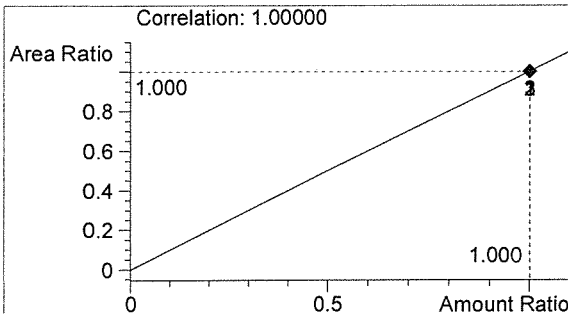


#	Compound	Peak Area	RT (min)
1	Ethanol	2531	1.087
2	n-Propanol	2912	1.767



Ethanol 0.201 g/100mL

AWD

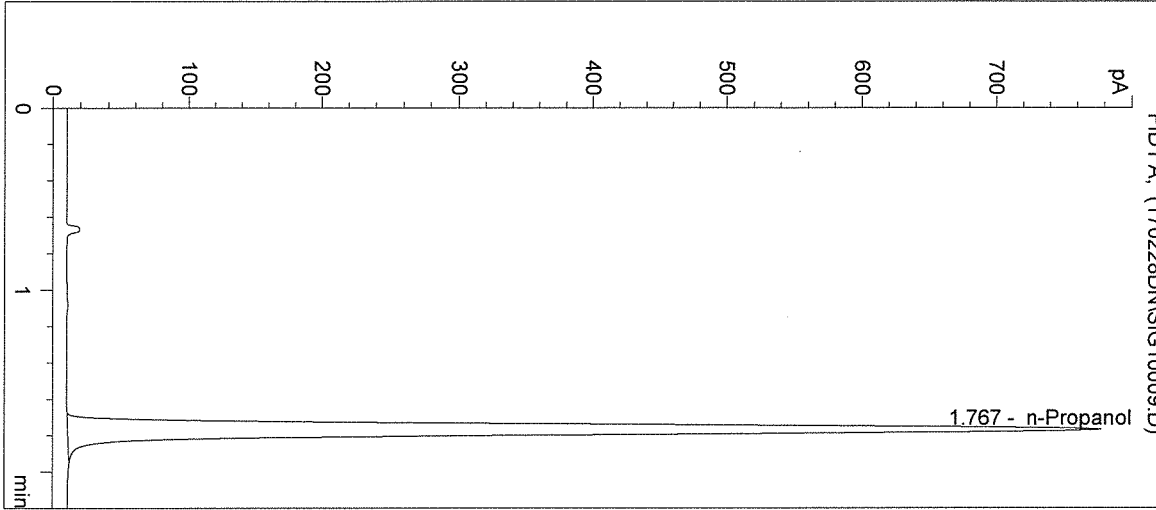


n-Propanol 0.012 g/100mL

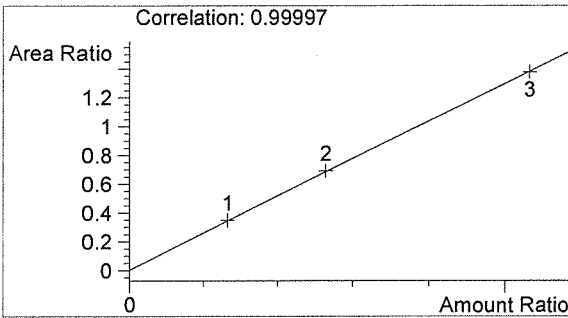
DN

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2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/28/2017 9:31:33 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17018

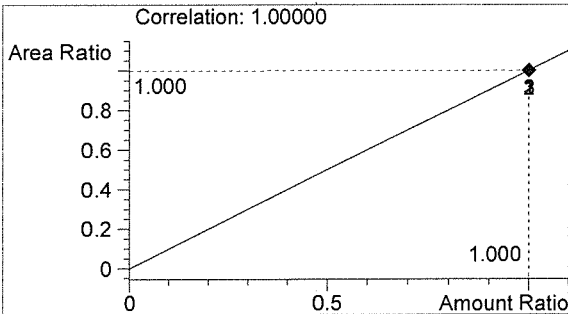


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2933	1.767



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL

DN

Washington State Patrol Toxicology Laboratory
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Inj. Date: 2/28/2017 9:34:46 AM

Sample Name: 17018 #1

Instrument: HSGC#1

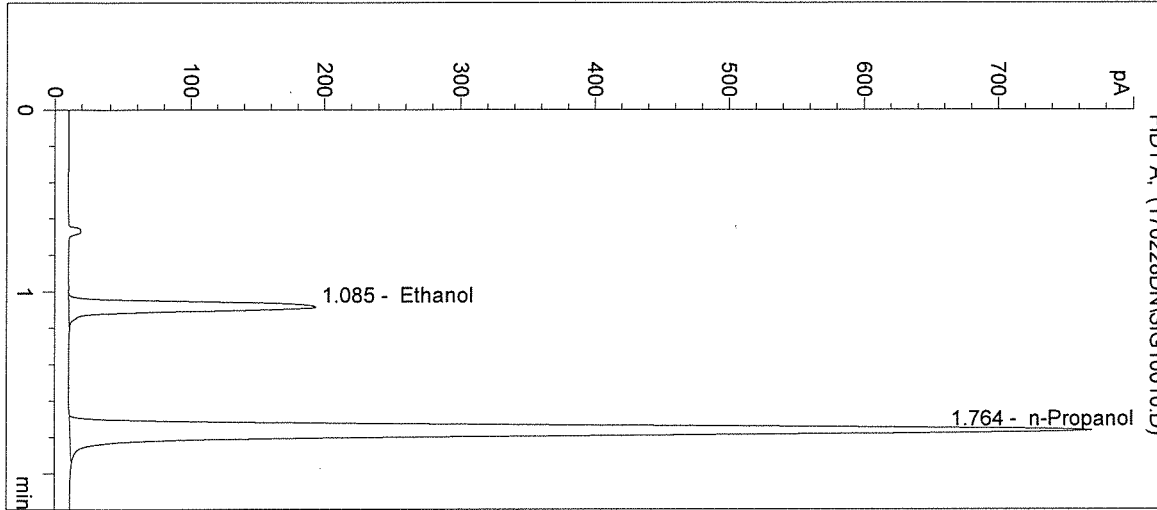
Operator: David Nguyen

Column: DB-ALC1

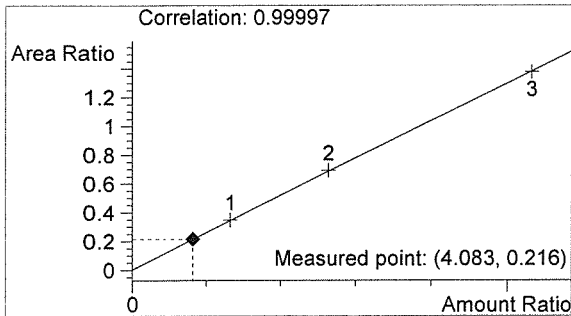
Location: Vial 10

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

Sample Info:

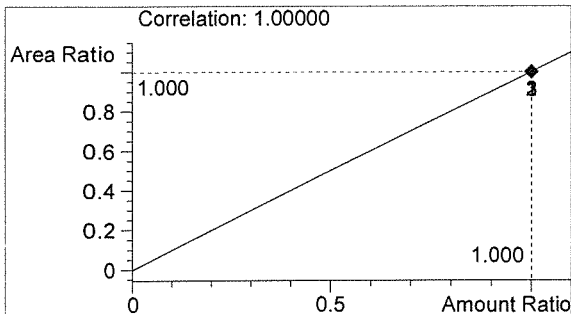


#	Compound	Peak Area	RT (min)
1	Ethanol	618	1.085
2	n-Propanol	2865	1.764



Ethanol 0.049 g/100mL

BCU



n-Propanol 0.012 g/100mL

DN

Washington State Patrol Toxicology Laboratory
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Inj. Date: 2/28/2017 9:37:59 AM

Sample Name: 17018 #2

Instrument: HSGC#1

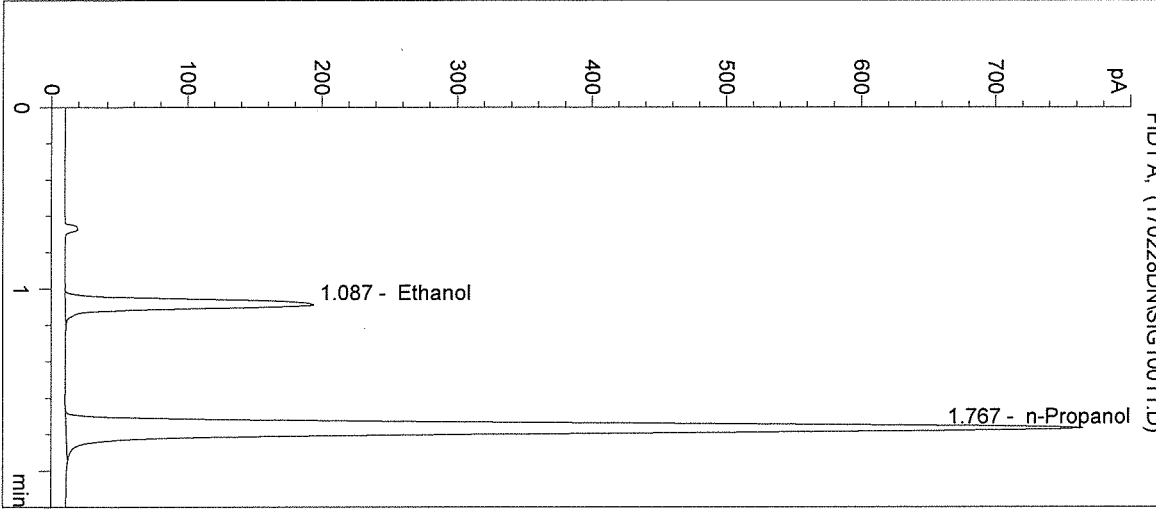
Operator: David Nguyen

Column: DB-ALC1

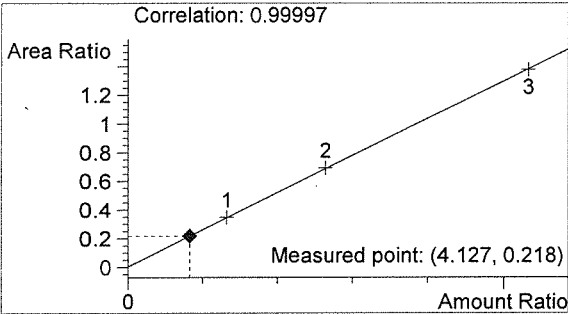
Location: Vial 11

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

Sample Info:

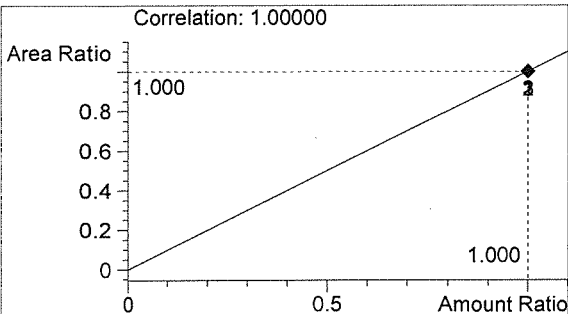


#	Compound	Peak Area	RT (min)
1	Ethanol	629	1.087
2	n-Propanol	2882	1.767



Ethanol 0.050 g/100mL

DN



n-Propanol 0.012 g/100mL

DN

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Inj. Date: 2/28/2017 9:41:13 AM

Sample Name: 17018 #3

Instrument: HSGC#1

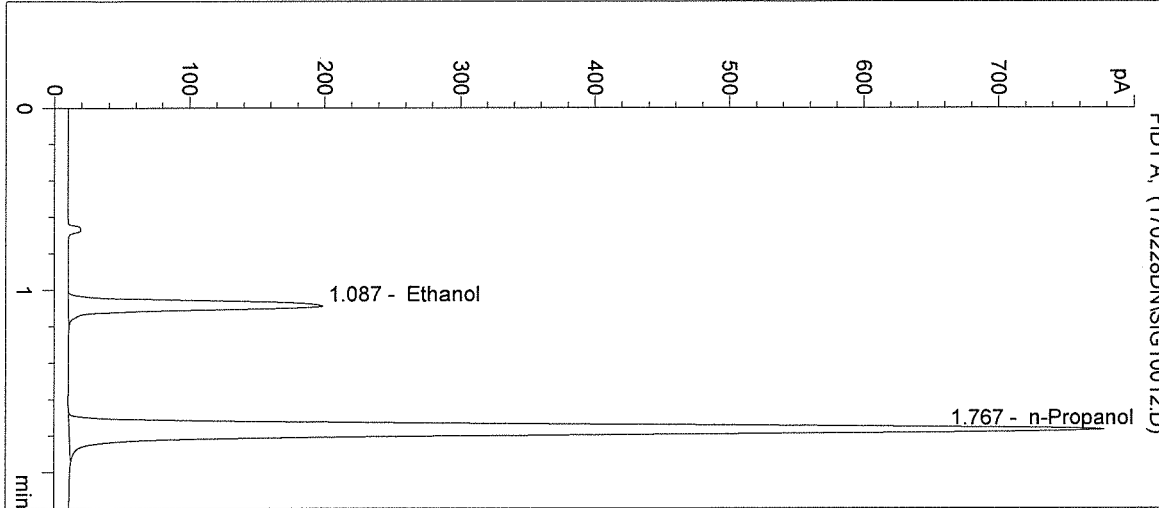
Operator: David Nguyen

Column: DB-ALC1

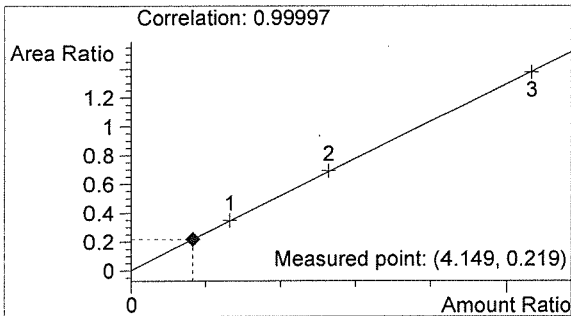
Location: Vial 12

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

Sample Info:

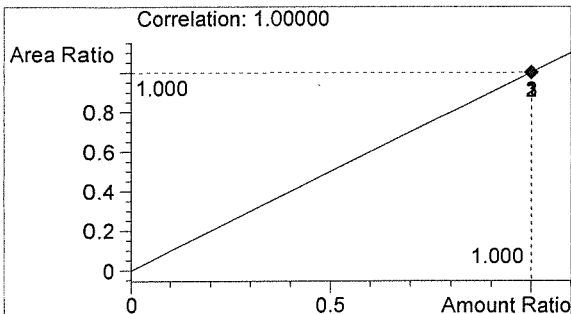


#	Compound	Peak Area	RT (min)
1	Ethanol	641	1.087
2	n-Propanol	2921	1.767



Ethanol 0.050 g/100mL

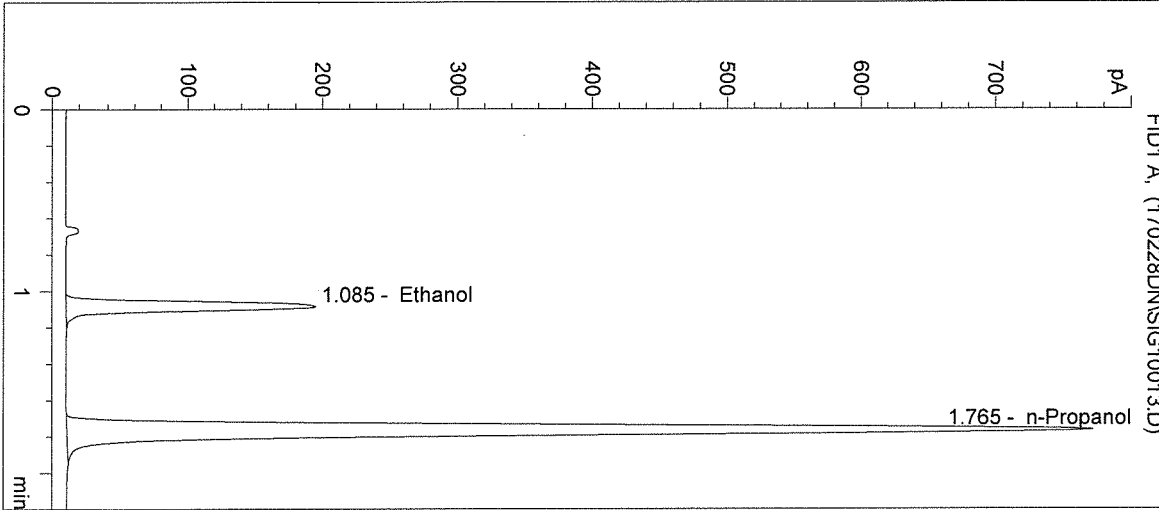
AW



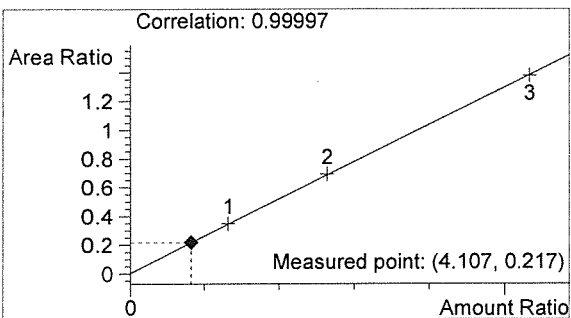
n-Propanol 0.012 g/100mL

DN

Inj. Date: 2/28/2017 9:44:26 AM Sample Name: 17018 #4
Instrument: HSGC#1 Operator: David Nguyen
Column: DB-ALC1 Location: Vial 13
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

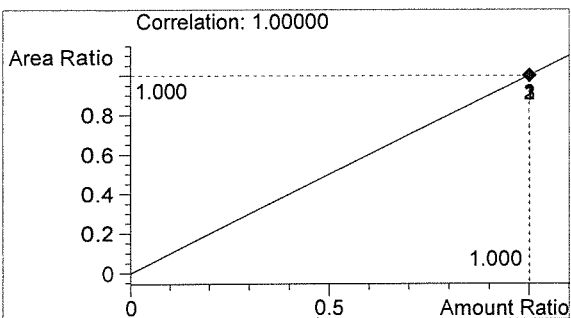


#	Compound	Peak Area	RT (min)
1	Ethanol	625	1.085
2	n-Propanol	2880	1.765



Ethanol 0.049 g/100mL

PLU



n-Propanol 0.012 g/100mL

DN

Inj. Date: 2/28/2017 9:47:40 AM

Sample Name: 17018 #5

Instrument: HSGC#1

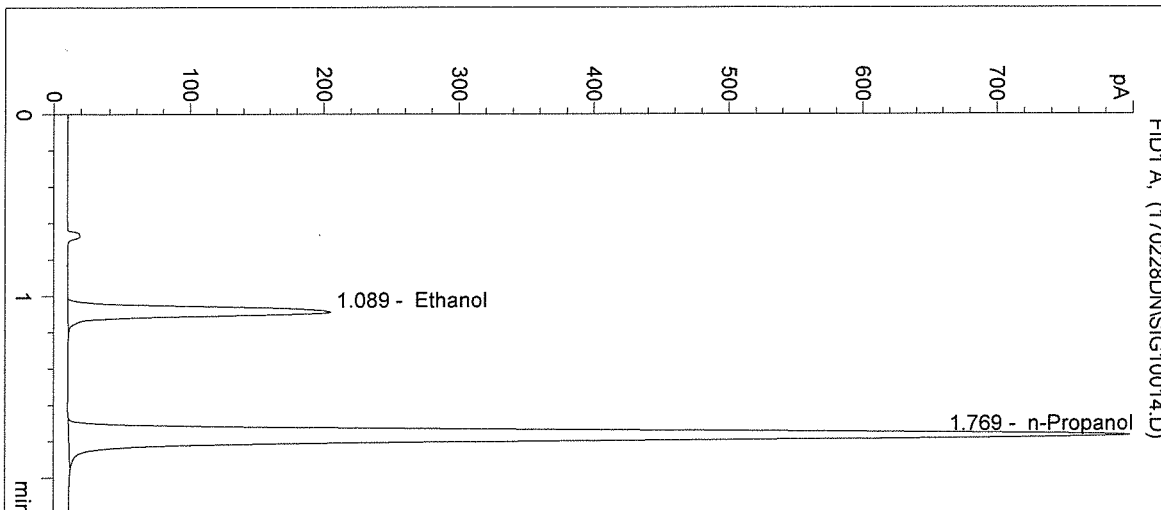
Operator: David Nguyen

Column: DB-ALC1

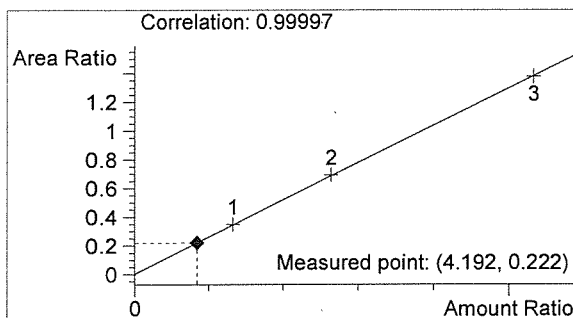
Location: Vial 14

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

Sample Info:

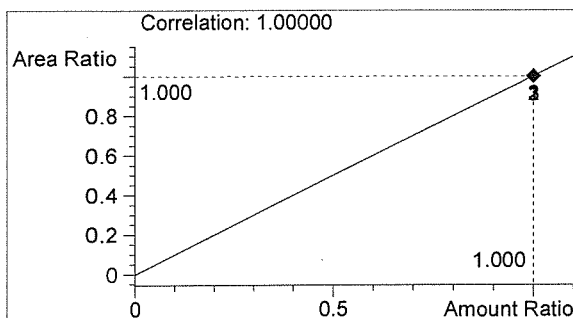


#	Compound	Peak Area	RT (min)
1	Ethanol	671	1.089
2	n-Propanol	3031	1.769



Ethanol 0.050 g/100mL

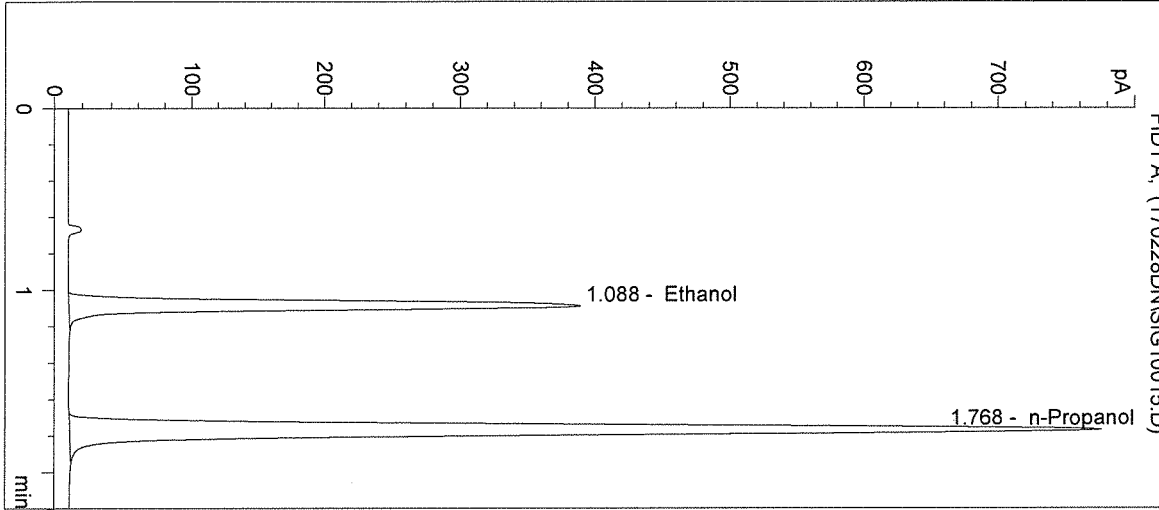
PNW



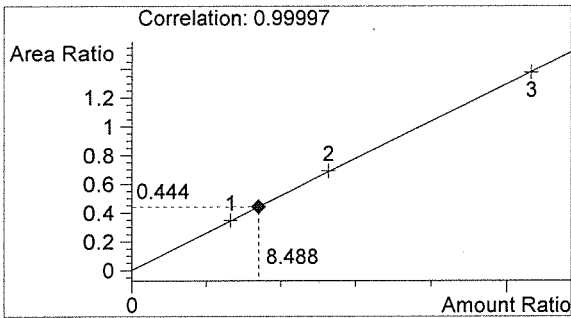
n-Propanol 0.012 g/100mL

DN

Inj. Date: 2/28/2017 9:50:53 AM Sample Name: POS CTRL (0.10)
 Instrument: HSGC#1 Operator: David Nguyen
 Column: DB-ALC1 Location: Vial 15
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: POS CTRL: 0.10 g/100mL
 17018

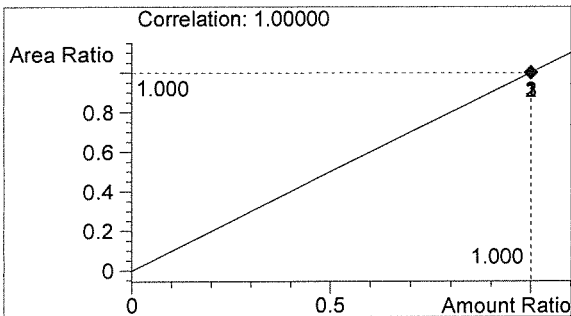


#	Compound	Peak Area	RT (min)
1	Ethanol	1302	1.088
2	n-Propanol	2935	1.768



Ethanol 0.102 g/100mL

AW



n-Propanol 0.012 g/100mL

DN

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Inj. Date: 2/28/2017 9:54:06 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

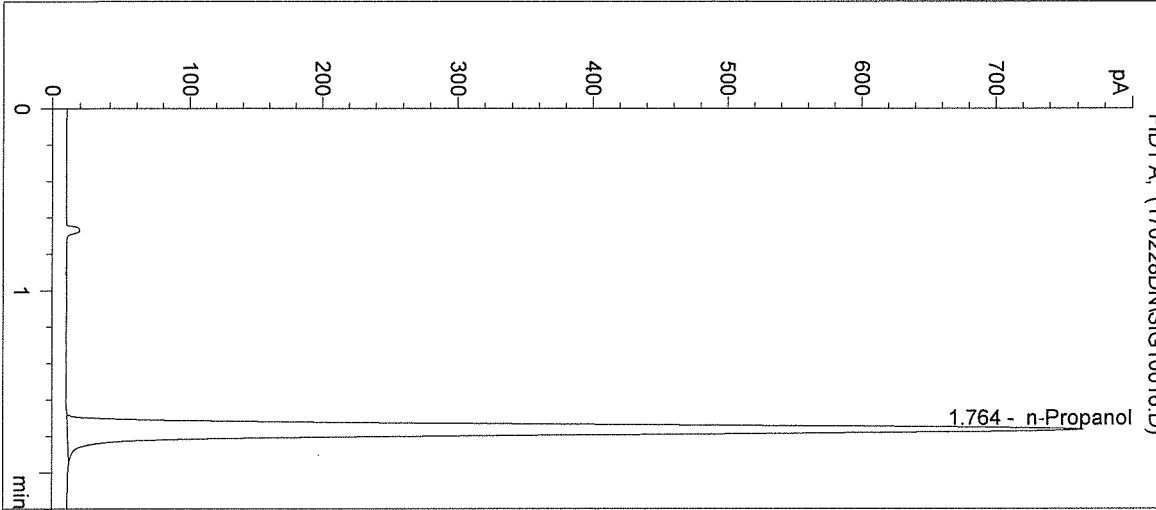
Operator: David Nguyen

Column: DB-ALC1

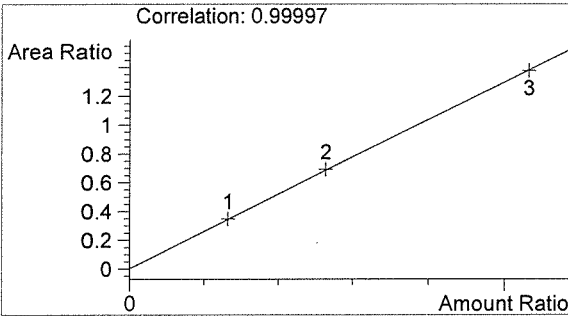
Location: Vial 16

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

Sample Info: 17018

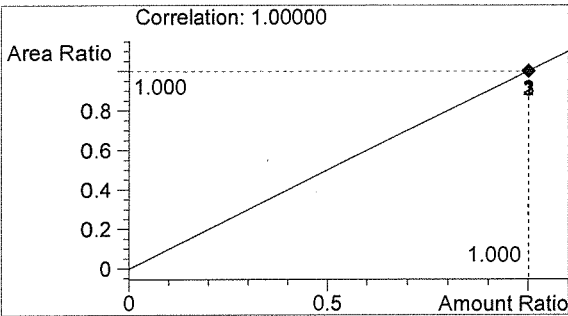


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2854	1.764



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

DN

Sequence Parameters:

Operator: Justin Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170228JK
 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#P0117 - Exp. 04/20/2017

Calibration vials 1-9 filed with 17018.

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	17018-1	SIMALC1	1	Sample		
11	Vial 11	17018-2	SIMALC1	1	Sample		
12	Vial 12	17018-3	SIMALC1	1	Sample		
13	Vial 13	17018-4	SIMALC1	1	Sample		
14	Vial 14	17018-5	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	17019-1	SIMALC1	1	Sample		
18	Vial 18	17019-2	SIMALC1	1	Sample		
19	Vial 19	17019-3	SIMALC1	1	Sample		
20	Vial 20	17019-4	SIMALC1	1	Sample		
21	Vial 21	17019-5	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	17020-1	SIMALC1	1	Sample		
25	Vial 25	17020-2	SIMALC1	1	Sample		
26	Vial 26	17020-3	SIMALC1	1	Sample		

17018
 PCW 3-3-17

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17020-4	SIMALC1	1	Sample		
28	Vial 28	17020-5	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	17021-1	SIMALC1	1	Sample		
32	Vial 32	17021-2	SIMALC1	1	Sample		
33	Vial 33	17021-3	SIMALC1	1	Sample		
34	Vial 34	17021-4	SIMALC1	1	Sample		
35	Vial 35	17021-5	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	17022-1	SIMALC1	1	Sample		
39	Vial 39	17022-2	SIMALC1	1	Sample		
40	Vial 40	17022-3	SIMALC1	1	Sample		
41	Vial 41	17022-4	SIMALC1	1	Sample		
42	Vial 42	17022-5	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!

17018
Bao 3-3-17

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

Calib. Data Modified : Tuesday, February 28, 2017 2:56:38 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	979.42639	8.08126e-5	1 Ethanol
	2	1.58300e-1	1931.69080	8.19489e-5	
	3	3.19520e-1	3858.86206	8.28016e-5	
1.763	1 1	1.20000e-2	2867.79224	4.18440e-6	I1 n-Propanol
	2	1.20000e-2	2854.17920	4.20436e-6	
	3	1.20000e-2	2842.97363	4.22093e-6	

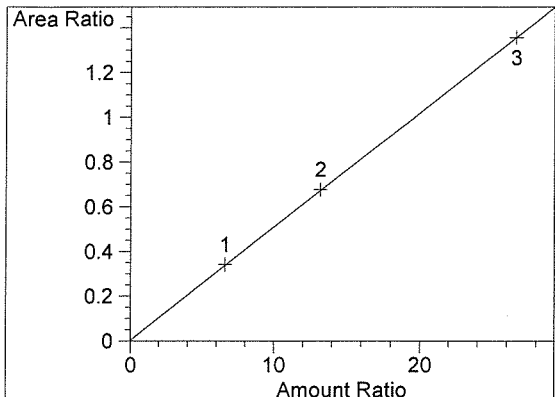
17018
Buo 3-3-17

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

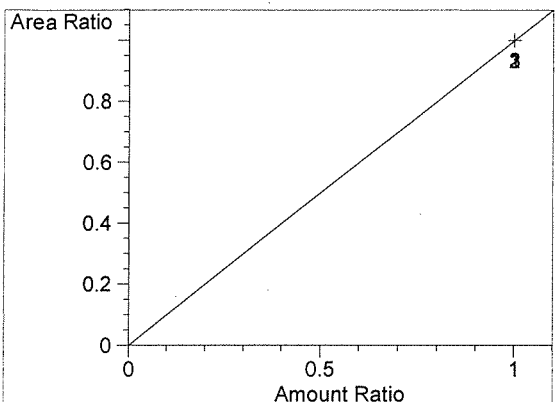
No Entries in table
=====

JR

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



Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00336
Formula: $y = mx + b$
m: 5.09258e-2
b: 2.99319e-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

=====

AWO 3-3-17
~~17018~~
- 17018
AWO 3-3-17

JR

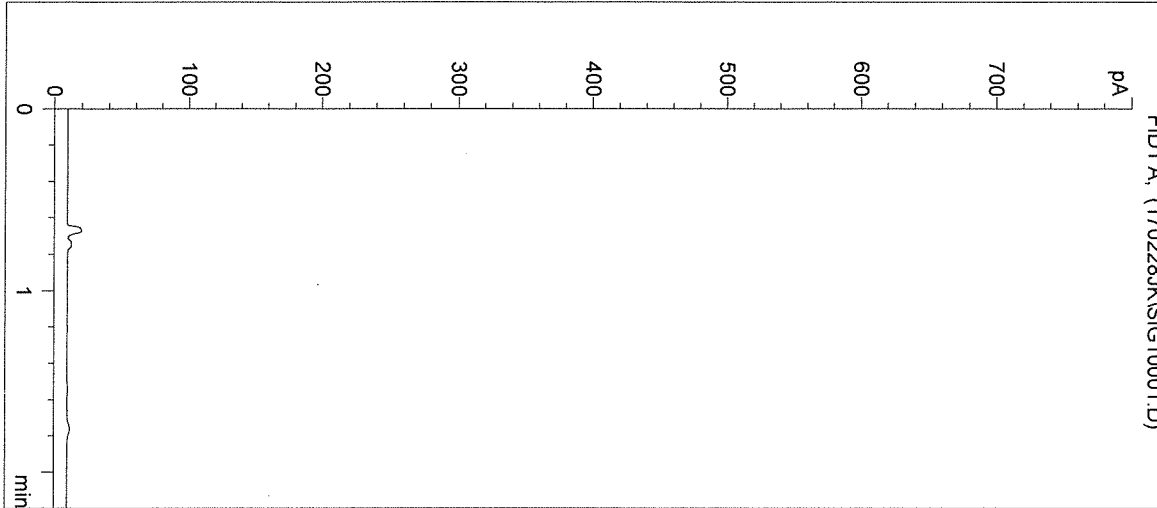
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/28/2017 2:44:34 PM
Instrument: HSGC#1

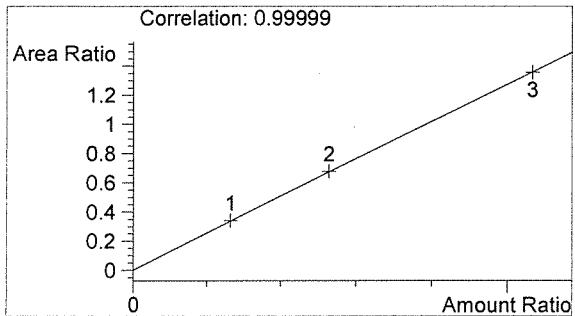
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1

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

Sample Info: 17018

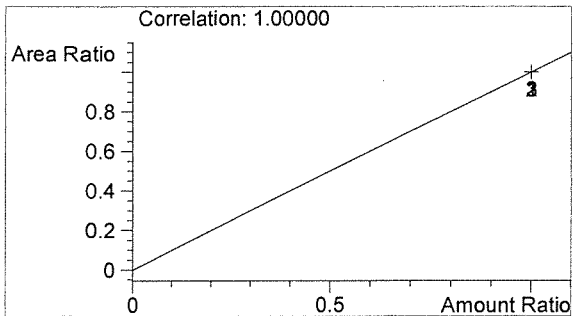


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

AW



n-Propanol 0.000 g/100mL

JK

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

Inj. Date: 2/28/2017 2:47:51 PM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

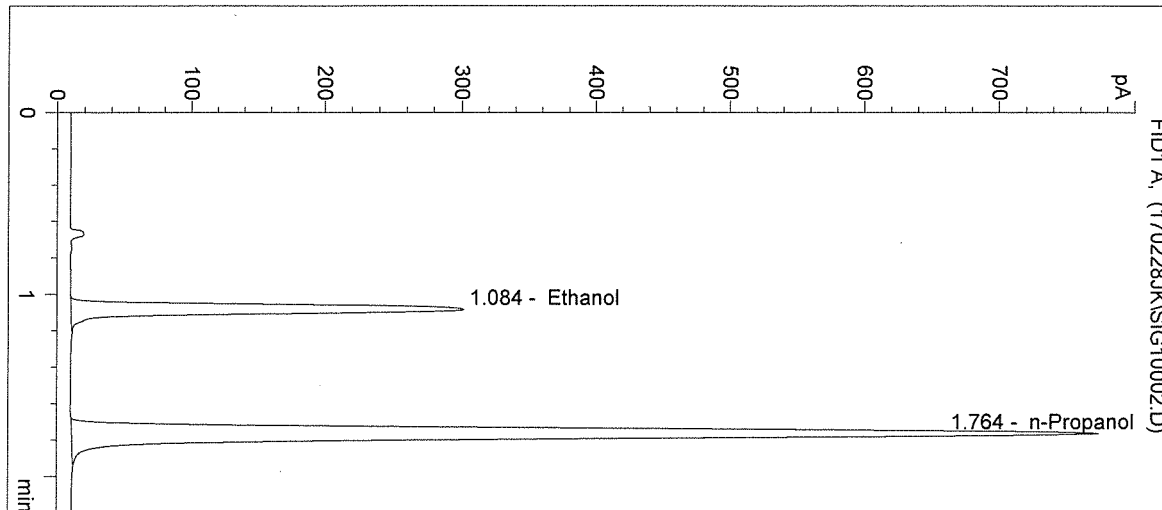
Operator: Justin Knoy

Column: DB-ALC1

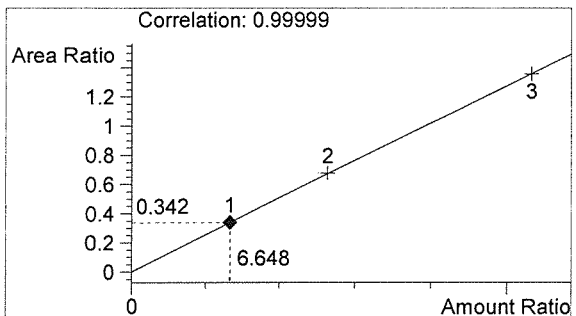
Location: Vial 2

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

Sample Info: 17018

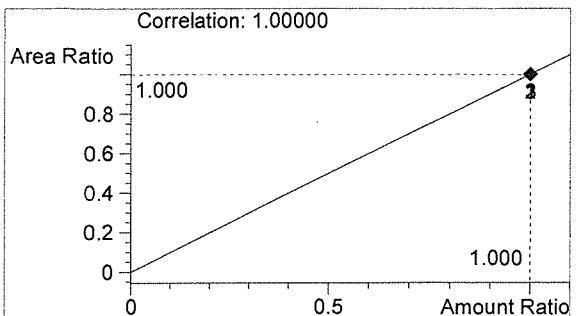


#	Compound	Peak Area	RT (min)
1	Ethanol	979	1.084
2	n-Propanol	2868	1.764



Ethanol 0.080 g/100mL

ALW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 2:51:08 PM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

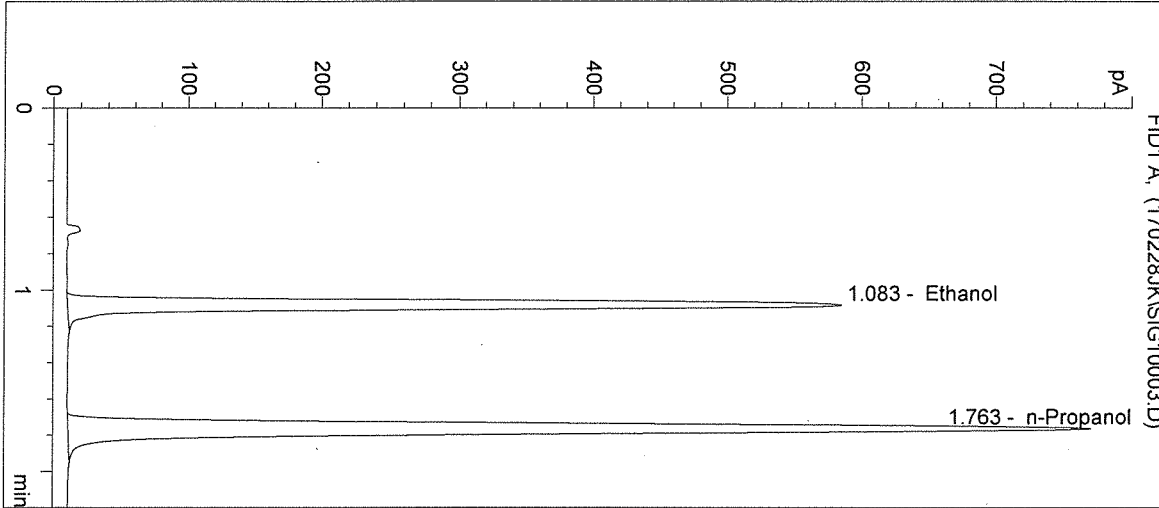
Operator: Justin Knoy

Column: DB-ALC1

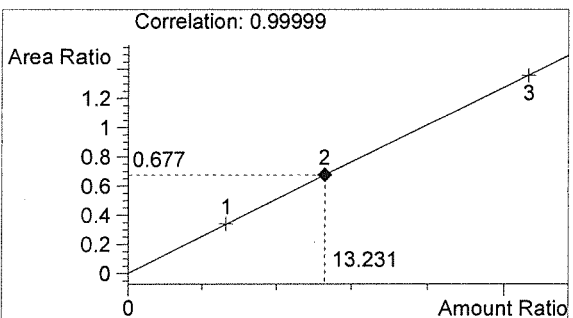
Location: Vial 3

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

Sample Info: 17018

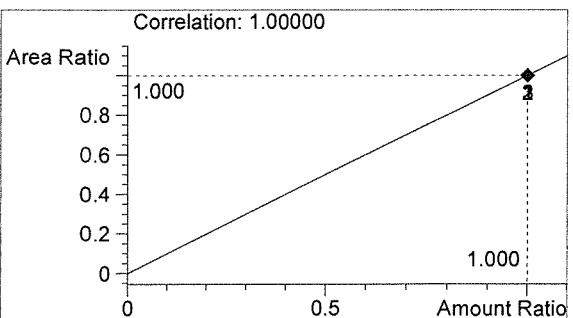


#	Compound	Peak Area	RT (min)
1	Ethanol	1932	1.083
2	n-Propanol	2854	1.763



Ethanol 0.159 g/100mL

AW



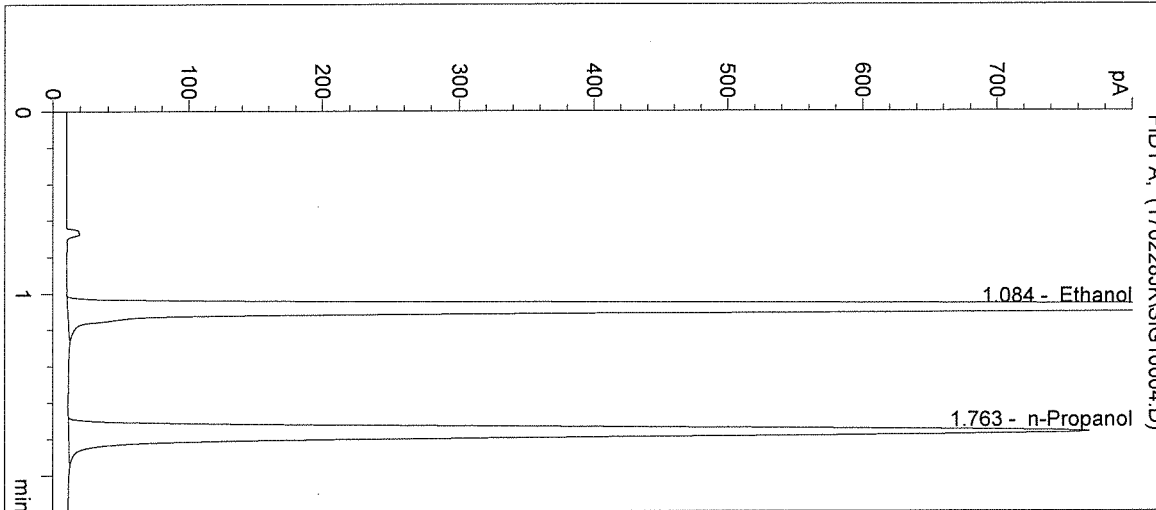
n-Propanol 0.012 g/100mL

JK

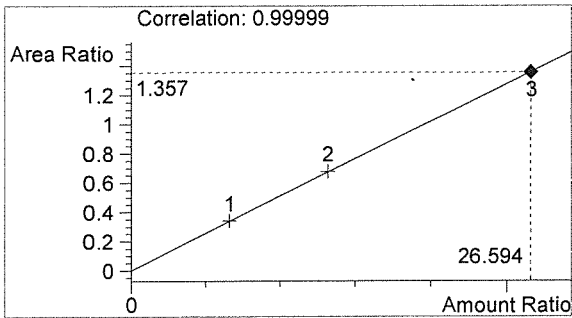
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/28/2017 2:54:25 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17018

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

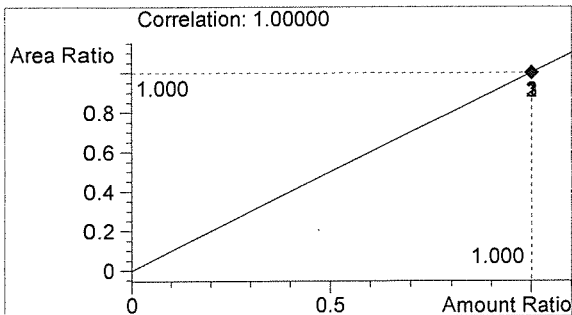


#	Compound	Peak Area	RT (min)
1	Ethanol	3859	1.084
2	n-Propanol	2843	1.763



Ethanol 0.319 g/100mL

MW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 2:57:38 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

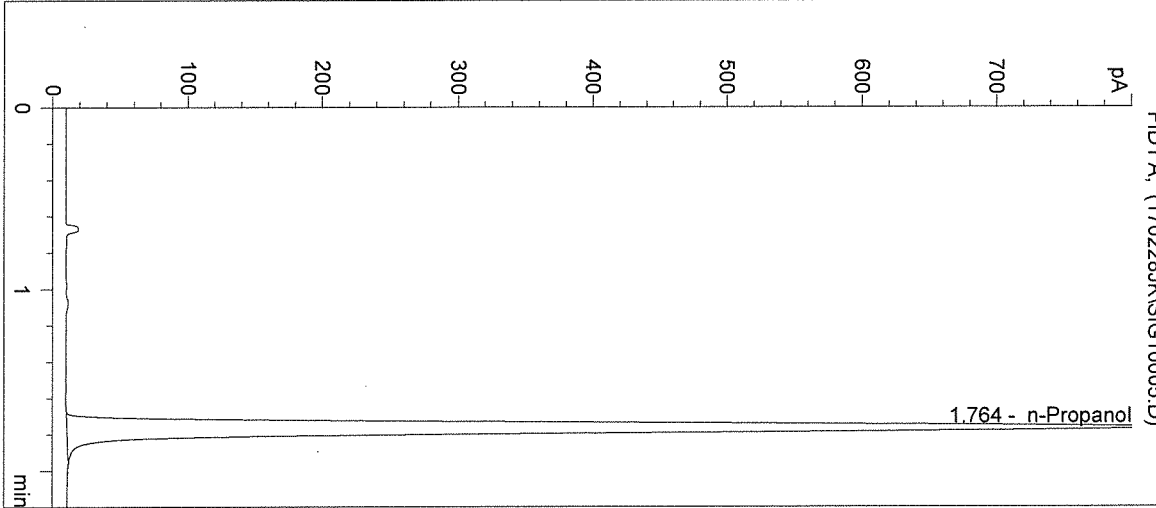
Operator: Justin Knoy

Column: DB-ALC1

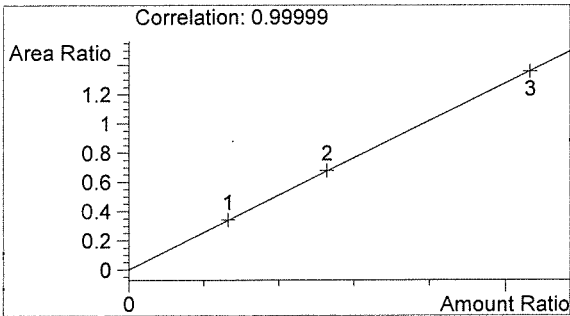
Location: Vial 5

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

Sample Info: 17018

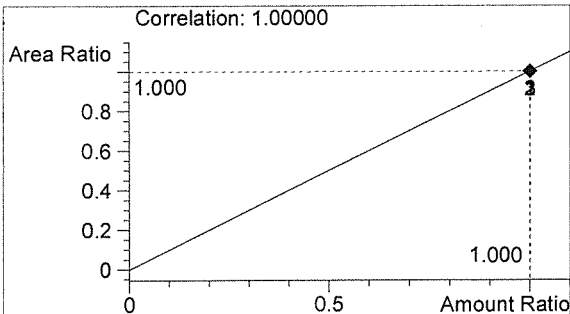


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3065	1.764



Ethanol 0.000 g/100mL

AWD



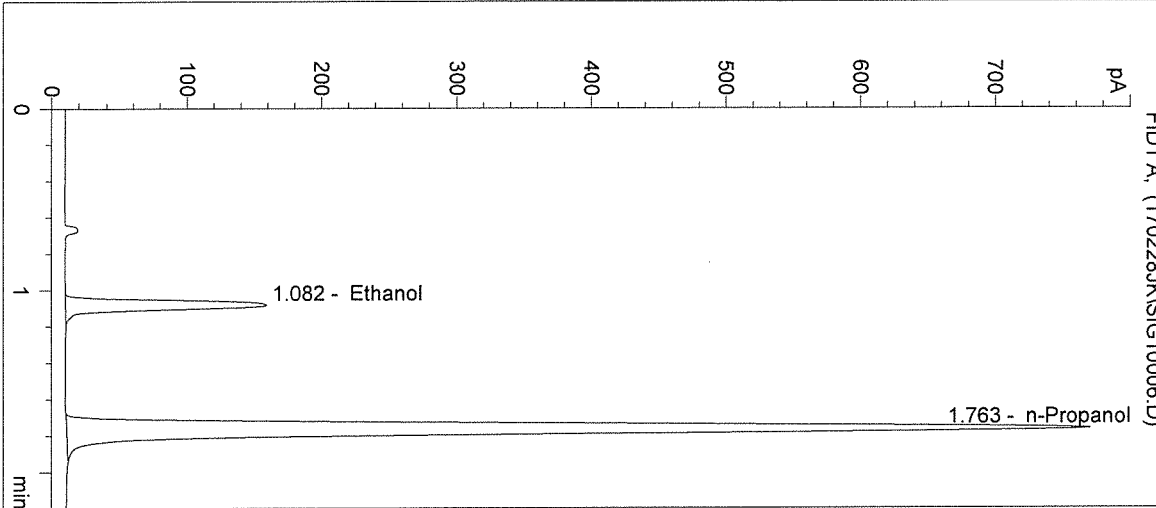
n-Propanol 0.012 g/100mL

JK

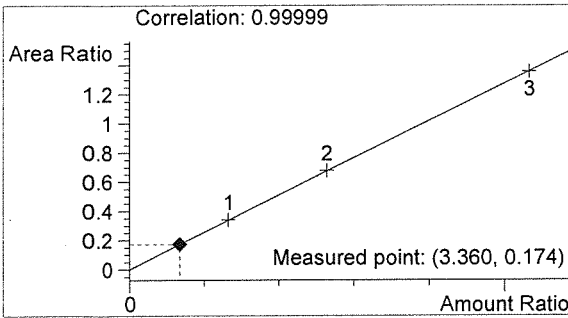
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/28/2017 3:00:52 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17018

Sample Name: 0.04 CTRL
 Operator: Justin Knoy
 Location: Vial 6

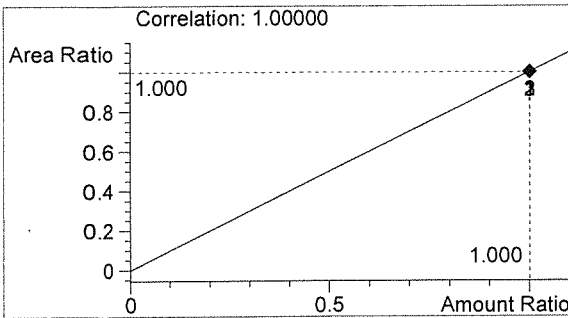


#	Compound	Peak Area	RT (min)
1	Ethanol	497	1.082
2	n-Propanol	2853	1.763



Ethanol 0.040 g/100mL

PLW



n-Propanol 0.012 g/100mL

JH

Inj. Date: 2/28/2017 3:04:05 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

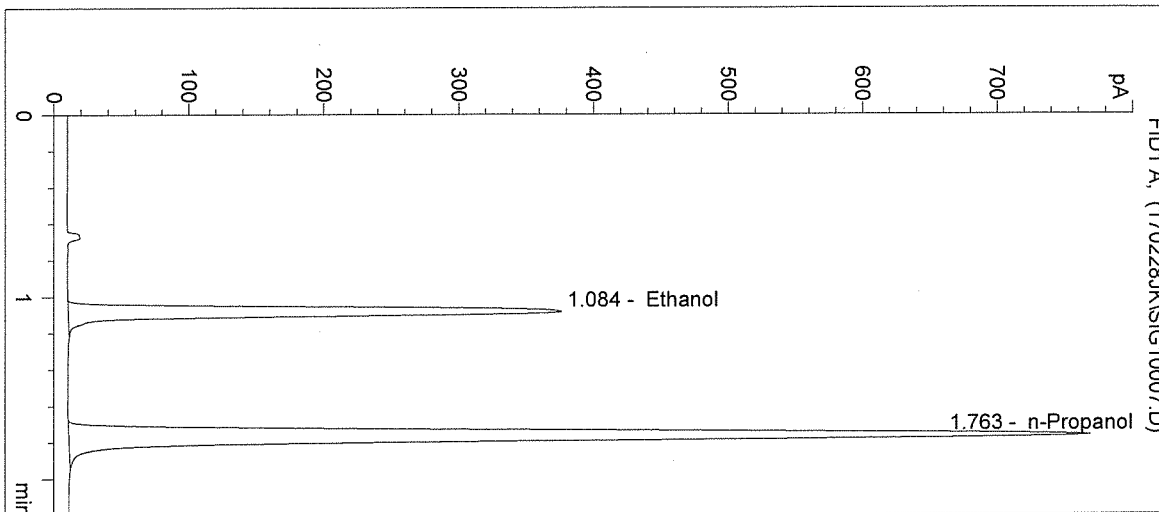
Operator: Justin Knoy

Column: DB-ALC1

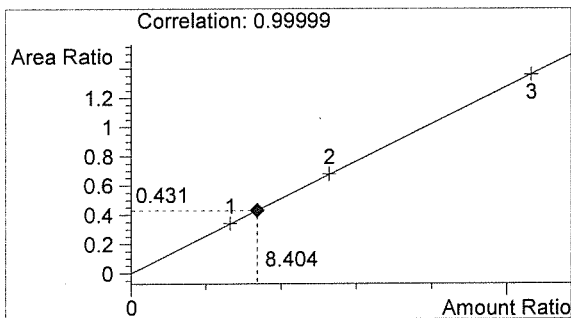
Location: Vial 7

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

Sample Info: 17018

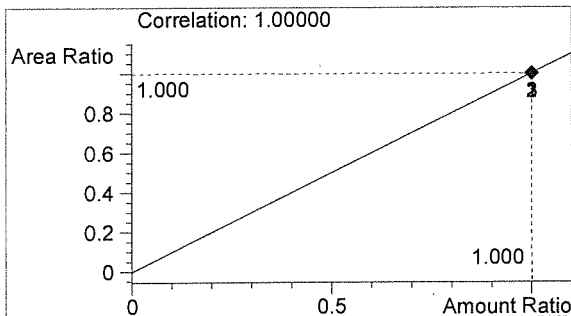


#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.084
2	n-Propanol	2850	1.763



Ethanol 0.101 g/100mL

PKW



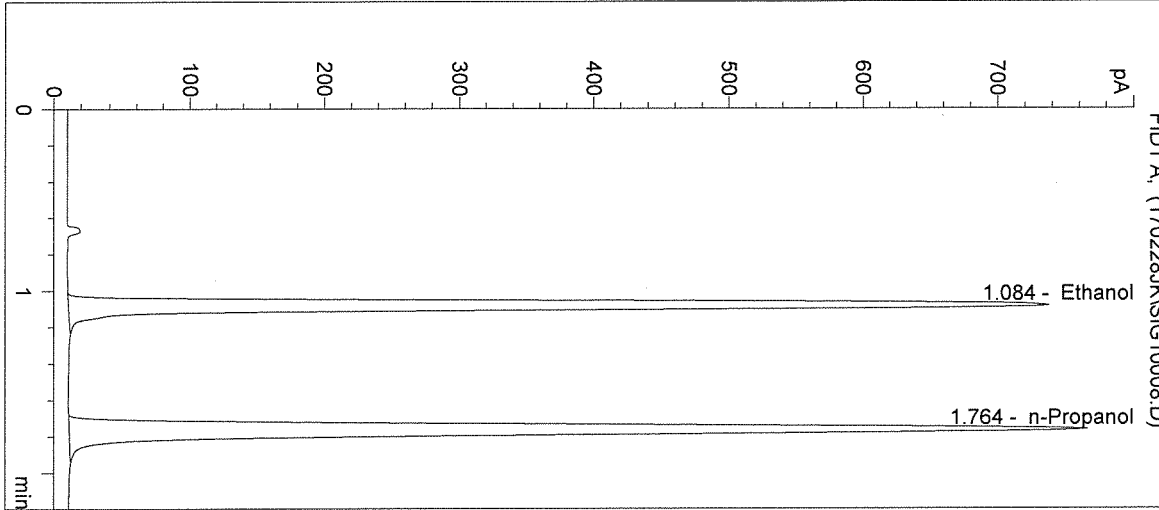
n-Propanol 0.012 g/100mL

JK

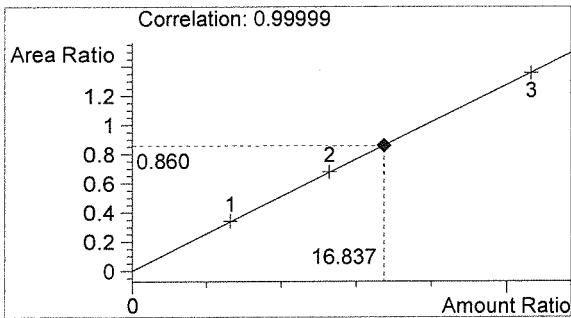
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 2/28/2017 3:07:17 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 17018

Sample Name: 0.20 CTRL
 Operator: Justin Knoy
 Location: Vial 8

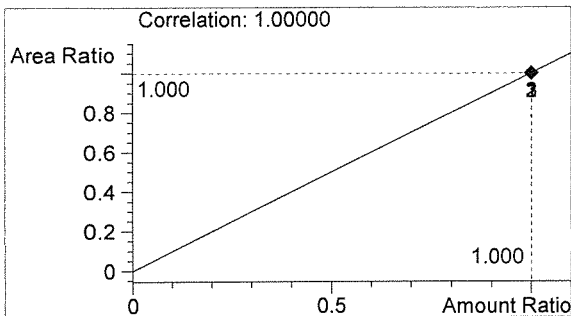


#	Compound	Peak Area	RT (min)
1	Ethanol	2438	1.084
2	n-Propanol	2833	1.764



Ethanol 0.202 g/100mL

AWO



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 3:10:31 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

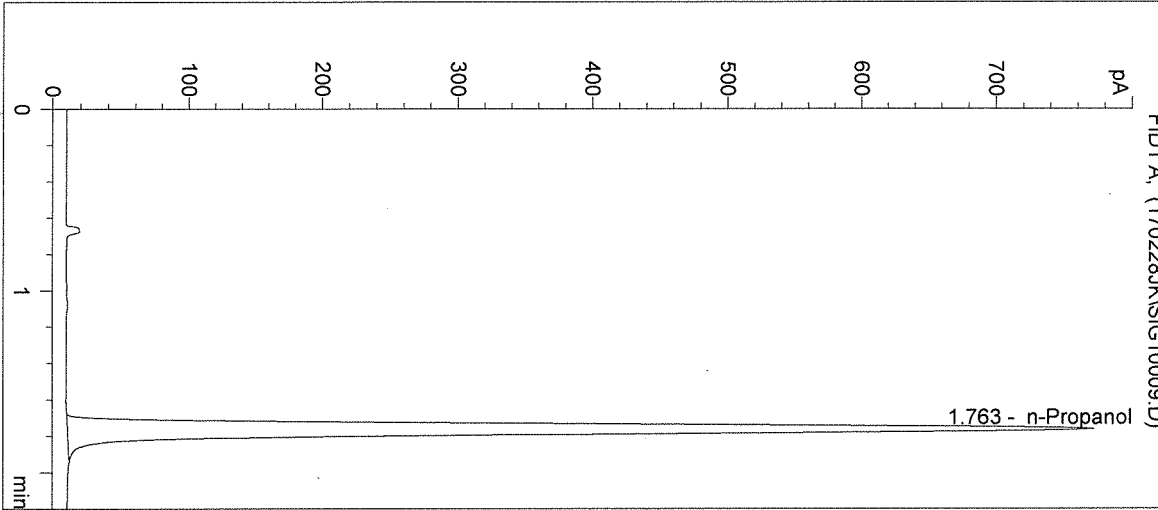
Operator: Justin Knoy

Column: DB-ALC1

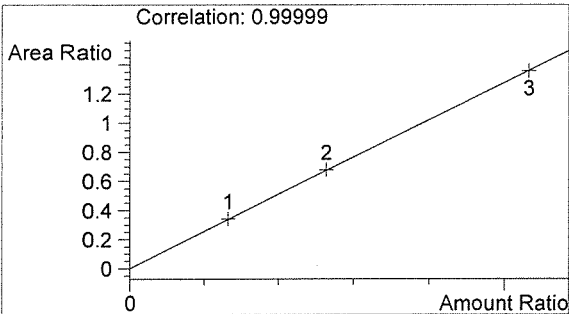
Location: Vial 9

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

Sample Info: 17018

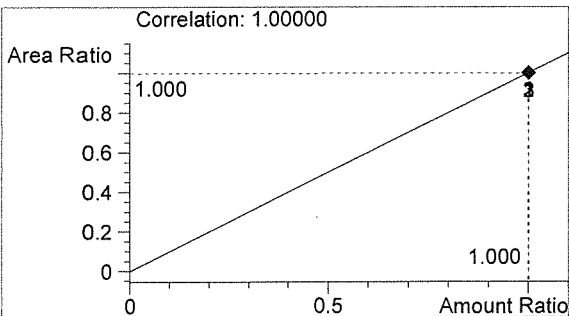


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2854	1.763



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 3:13:44 PM

Sample Name: 17018-1

Instrument: HSGC#1

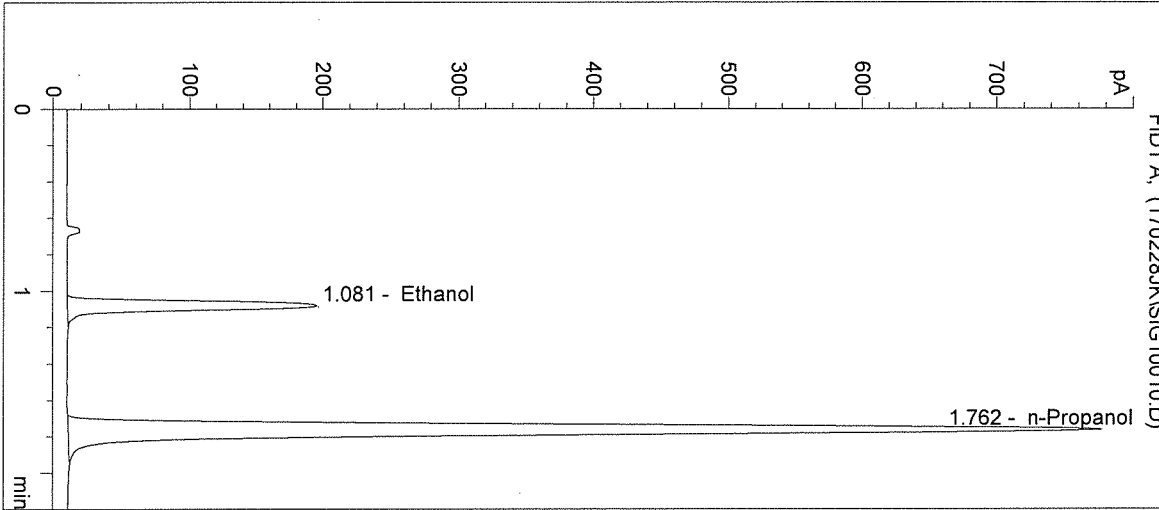
Operator: Justin Knoy

Column: DB-ALC1

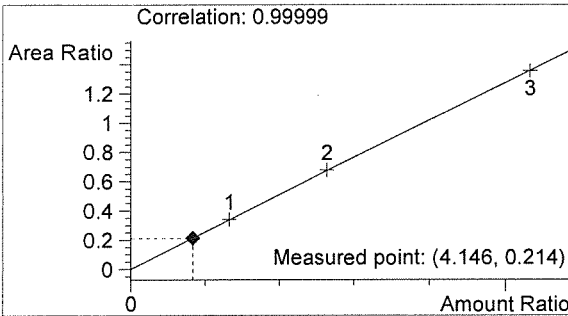
Location: Vial 10

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

Sample Info:

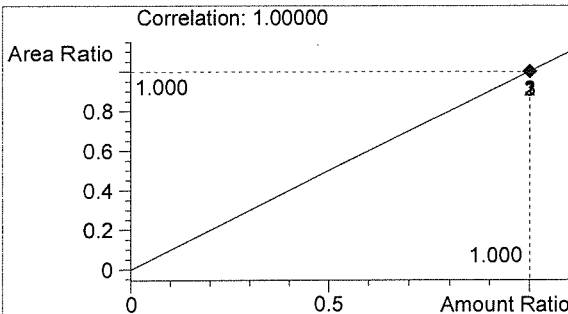


#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.081
2	n-Propanol	2872	1.762



Ethanol 0.050 g/100mL

RAW



n-Propanol 0.012 g/100mL

JR

Inj. Date: 2/28/2017 3:16:57 PM

Sample Name: 17018-2

Instrument: HSGC#1

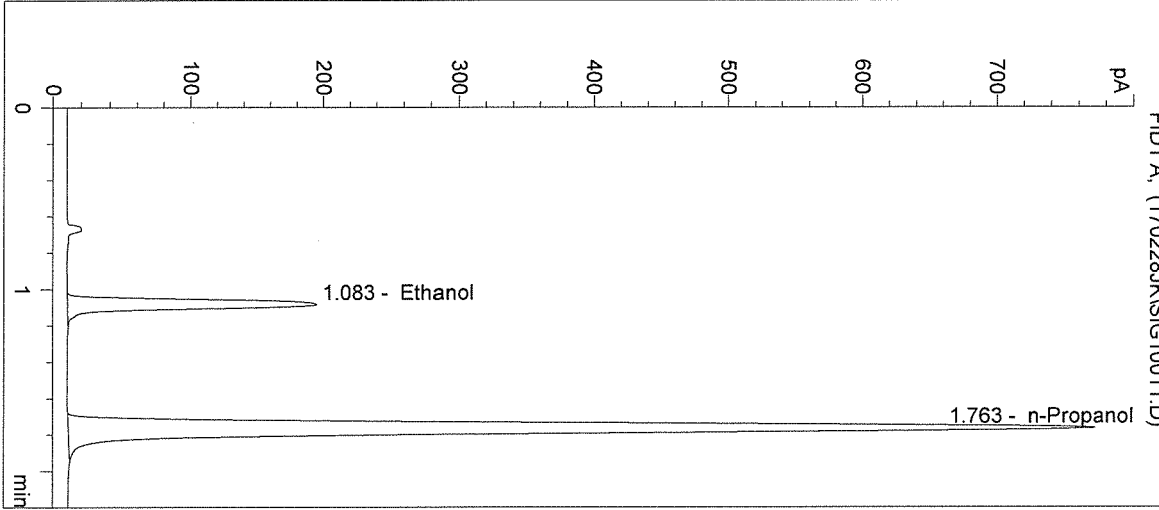
Operator: Justin Knoy

Column: DB-ALC1

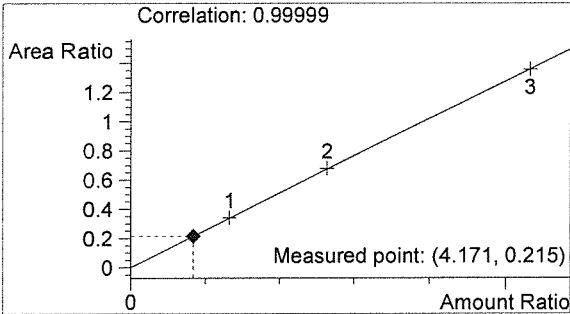
Location: Vial 11

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

Sample Info:

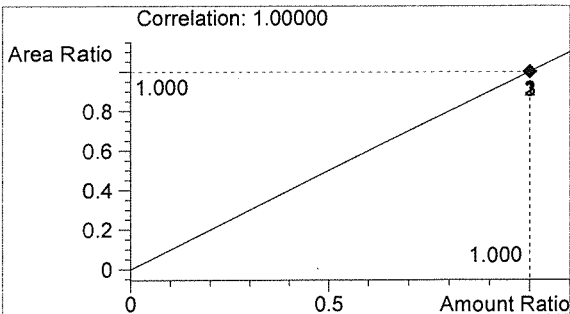


#	Compound	Peak Area	RT (min)
1	Ethanol	616	1.083
2	n-Propanol	2862	1.763



Ethanol 0.050 g/100mL

MW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 3:20:11 PM

Sample Name: 17018-3

Instrument: HSGC#1

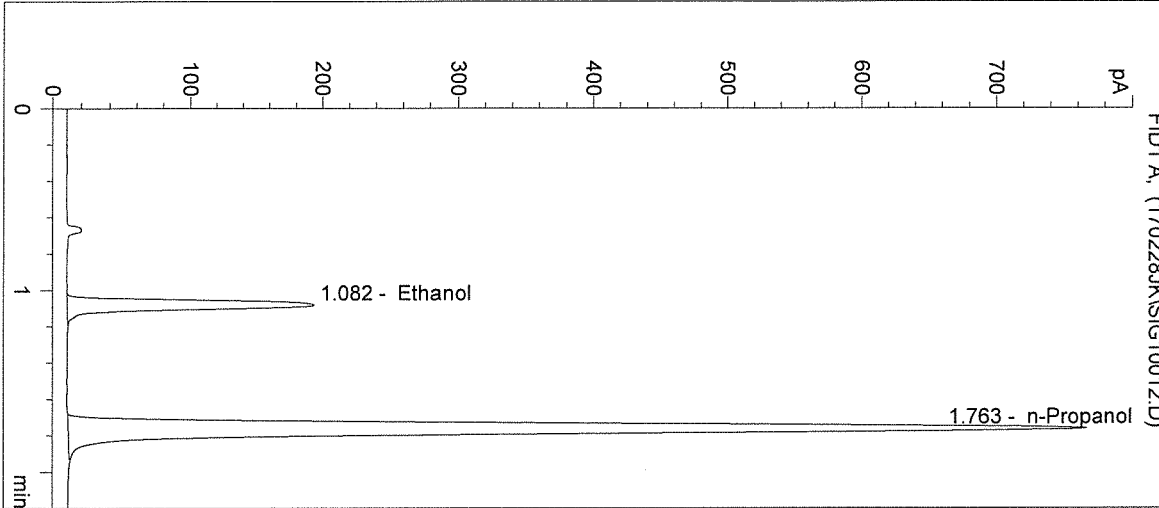
Operator: Justin Knoy

Column: DB-ALC1

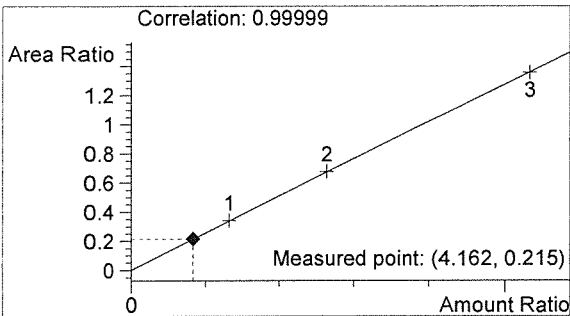
Location: Vial 12

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

Sample Info:

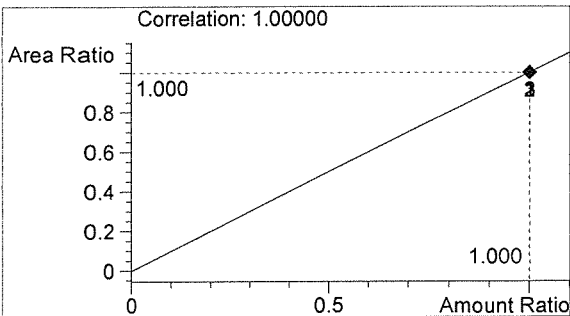


#	Compound	Peak Area	RT (min)
1	Ethanol	607	1.082
2	n-Propanol	2824	1.763



Ethanol 0.050 g/100mL

ALW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 3:23:24 PM

Sample Name: 17018-4

Instrument: HSGC#1

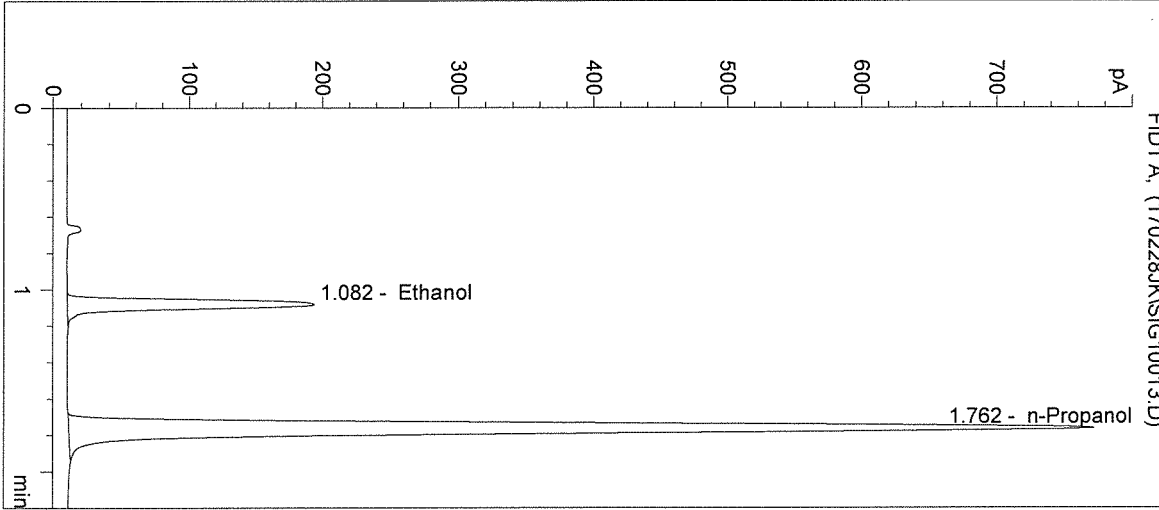
Operator: Justin Knoy

Column: DB-ALC1

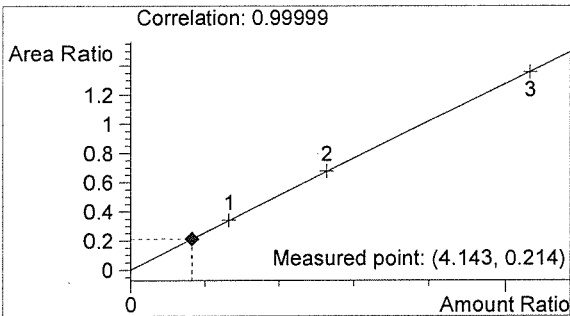
Location: Vial 13

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

Sample Info:

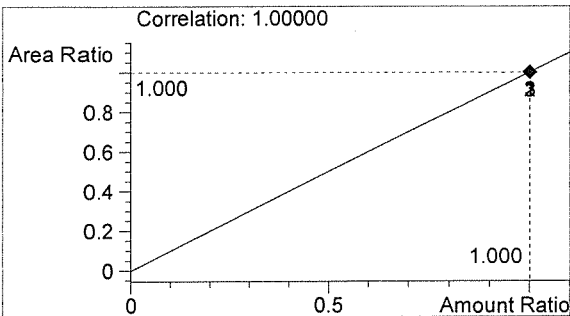


#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.082
2	n-Propanol	2852	1.762



Ethanol 0.050 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

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

Inj. Date: 2/28/2017 3:26:37 PM

Sample Name: 17018-5

Instrument: HSGC#1

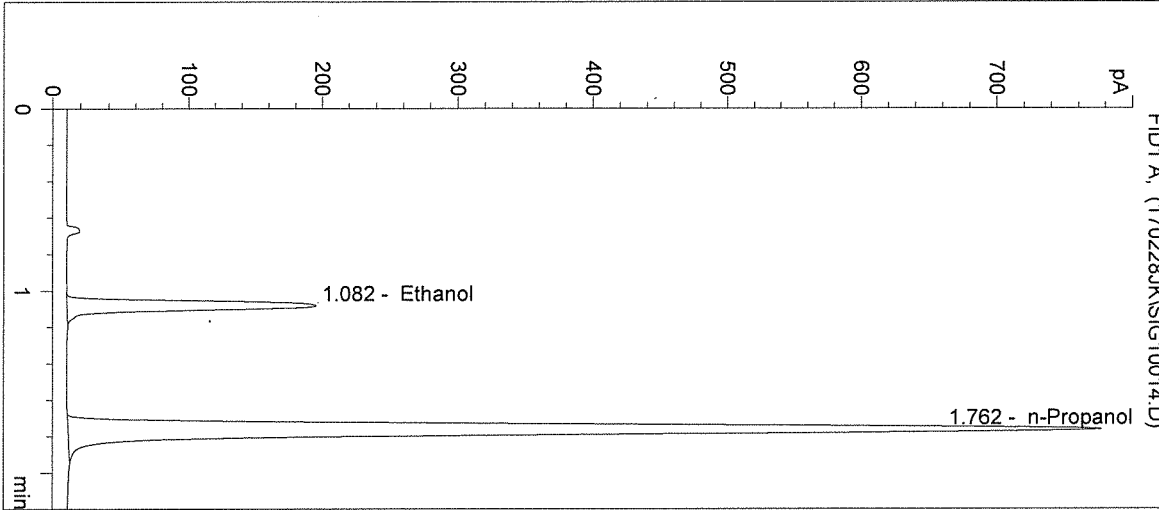
Operator: Justin Knoy

Column: DB-ALC1

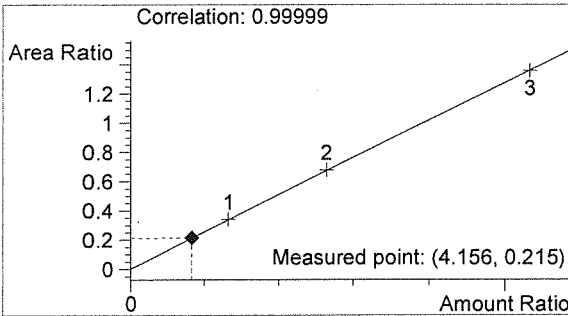
Location: Vial 14

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

Sample Info:

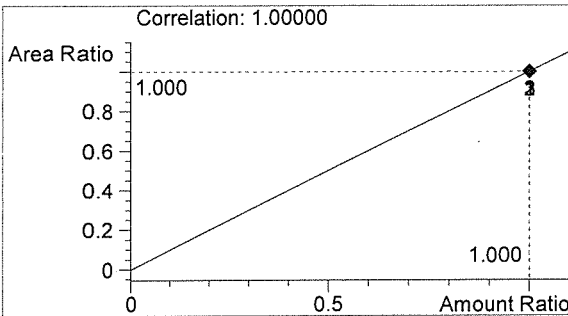


#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.082
2	n-Propanol	2867	1.762



Ethanol 0.050 g/100mL

RAW



n-Propanol 0.012 g/100mL

JK

Inj. Date: 2/28/2017 3:29:50 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

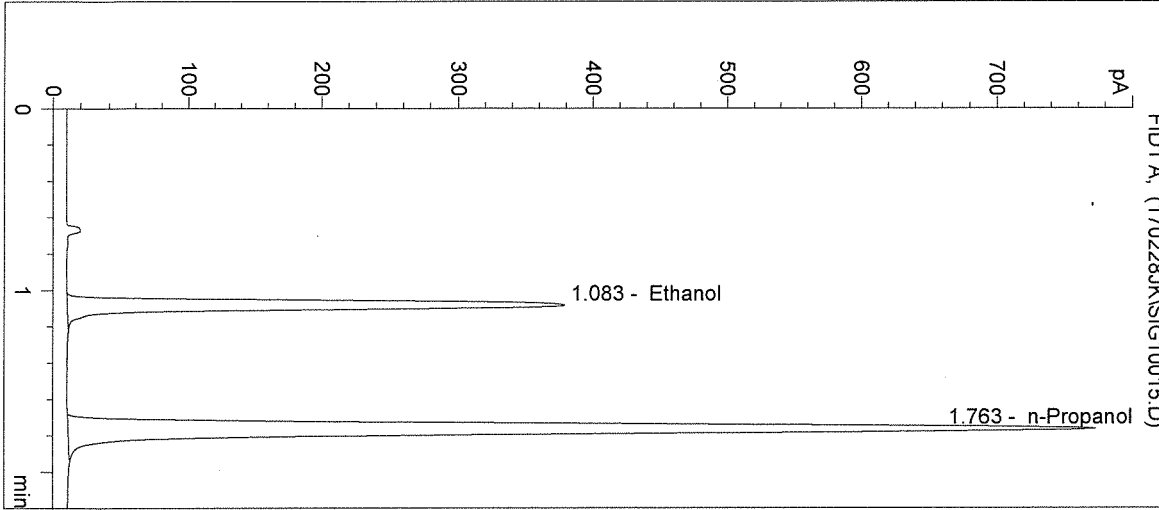
Operator: Justin Knoy

Column: DB-ALC1

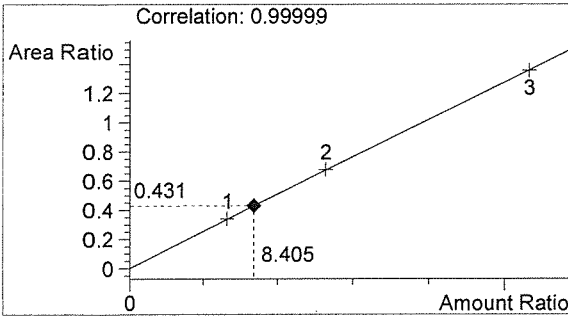
Location: Vial 15

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

Sample Info: 17018

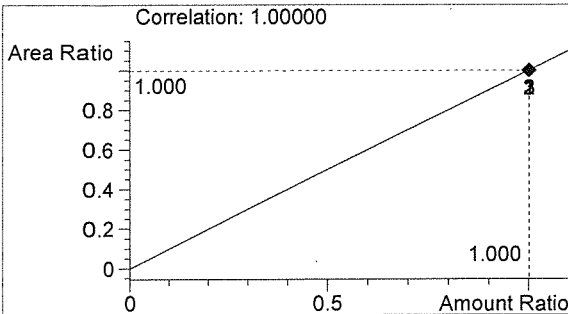


#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.083
2	n-Propanol	2860	1.763



Ethanol 0.101 g/100mL

AW

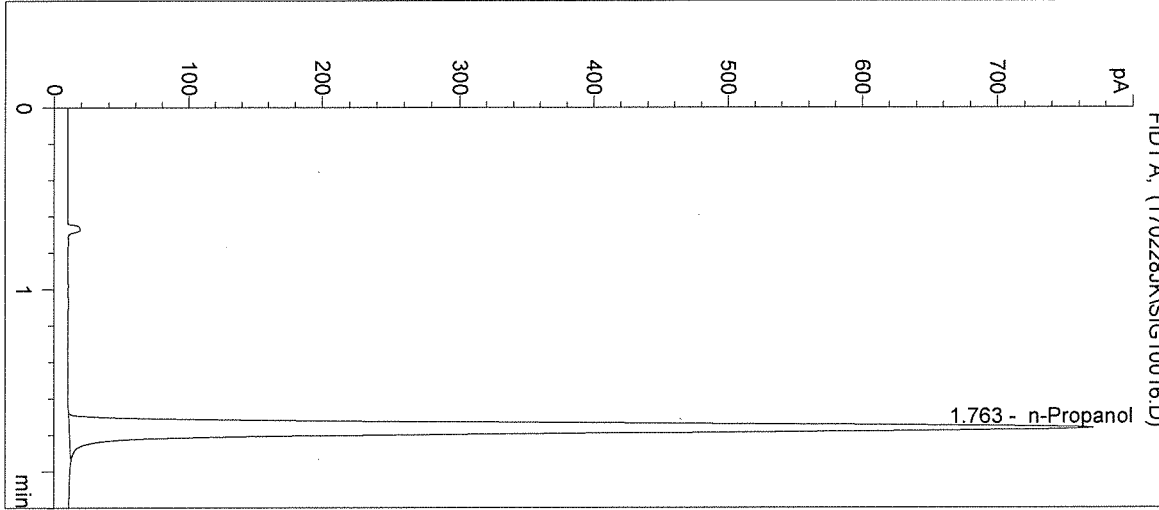


n-Propanol 0.012 g/100mL

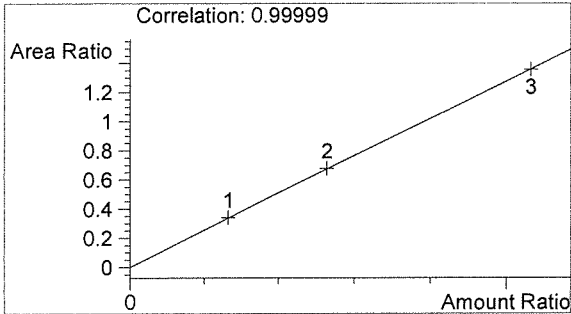
JK

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

Inj. Date: 2/28/2017 3:33:03 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Justin Knoy
Column: DB-ALC1 Location: Vial 16
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17018

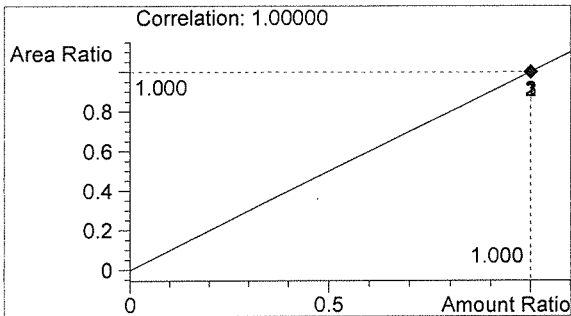


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2848	1.763



Ethanol 0.000 g/100mL

PLW



n-Propanol 0.012 g/100mL

JK