



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

BATCH REPORT: 17012

**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: 0.10 g/210L  
DATE PREPARED: 01/26/2017  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Katie Harris

	KH	AG	JLK
1	0.124	0.126	0.127
2	0.124	0.127	0.128
3	0.124	0.126	0.127
4	0.124	0.126	0.127
5	0.127	0.127	0.128
C	0.102	0.103	0.103

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**

AVERAGE SOLUTION CONCENTRATION: 0.1261 g/100mL PRECISION CV (%): 1.16  
STANDARD DEVIATION: 0.00146 NUMBER OF TESTS: 15

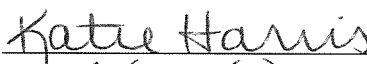
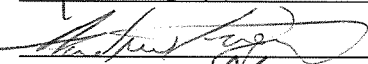
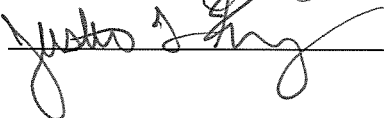
EQUIVALENT VAPOR CONCENTRATION: **0.1025 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0024 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

  
\_\_\_\_\_  
Brianne E. O'Reilly Technical Lead

3.2.2017  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris		01/26/2017
AG	Andrew Gingras		01/26/2017
JLK	Justin L. Knoy		01/27/2017

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black Date: 3-13-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17012

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

Comments:

Reviewer Signature:  Date: 3-13-17

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

QAP Solution Batch #: 17012

Date Prepared: 1/26/2017

Analyst:	KH	AG	JLK
Date Tested:	1/26/2017	1/26/2017	1/27/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.124	0.126	0.127
2	0.124	0.127	0.128
3	0.124	0.126	0.127
4	0.124	0.126	0.127
5	0.127	0.127	0.128
C	0.102	0.103	0.103

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000088995	0.0000105414	0.0001016326

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

Average Solution Concentration: 0.1261 g/100mL  
Standard Deviation: 0.00146 g/100mL  
Precision CV (%): 1.16  
Equivalent Vapor Concentration: 0.1025 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0012 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0024 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 2-28-17  
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 3-13-17  
Name Signature Date

Method: Hard calculation

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 2-28-17  
Name Signature Date

**SOLUTION CERTIFICATE REVIEW**

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

Please initial and date below to affirm that you have:

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

	Initials	Date
<b>Amanda Chandler</b>		
<b>Andrew Gingras</b>	<i>AG</i>	3/2/17
<b>Asa Louis</b>		
<b>Brittany Thomas</b>		
<b>Christie Mitchell-Mata</b>		
<b>Christopher Johnston</b>		
<b>David Nguyen</b>		
<b>Dawn Sklerov</b>		
<b>Elizabeth Wehner</b>		
<b>Justin Knoy</b>	<i>JK</i>	3.1.17
<b>Katie Harris</b>	<i>KH</i>	2/28/17
<b>Lyndsey Knoy</b>		
<b>Naziha Nuwayhid</b>		
<b>Rebecca Flaherty</b>		

Batch # 17012  
AWO 2.28.17

JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17012**

I, Katie Harris, do certify under penalty of perjury that:

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

I possess the following qualifications: BS in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17012, was prepared in the Washington State Toxicology Laboratory on 1/26/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/26/2018.

Seattle, WA

Katie Harris 2/28/17

Katie Harris

Date

Forensic Scientist



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17012**

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 17012, was prepared in the Washington State Toxicology Laboratory on 1/26/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/26/2018.

Seattle, WA

 3/2/2017

Andrew Gingras  
Forensic Scientist

Date



JAY INSLEE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

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**0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 17012**

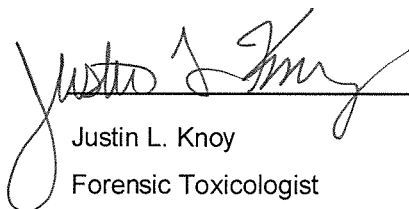
I, Justin L. Knoy, do certify under penalty of perjury that:

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 17012, was prepared in the Washington State Toxicology Laboratory on 1/26/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 1/26/2018.

Seattle, WA

 3.1.17  
Justin L. Knoy Date  
Forensic Toxicologist



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

Preparation Date: 1/26/17 Expiration Date: 1/26/18 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 2FED139

Date the 200-proof Ethanol bottle was opened: 1/7/17

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input checked="" type="checkbox"/>	<u>17010</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17011</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>17012</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17013</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17014</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  1/26/17  
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: Two values out of acceptable range for batch 17011. Batch 17011 will be discarded. KH 1/30/17

Katie Harris  
Analyst Signature

1/26/17  
Date

17012  
PLU 2-28-17



Sequence Parameters:

Operator: Katie Harris  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 170126KH  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017  
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017  
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017  
 CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020  
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018  
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 02/2021  
 n-Propanol ISTD - LOT# P1116 - Exp 02/23/2017

Standard data located in Batch File 17010

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	17010-1	SIMALC1	1	Sample		
11	Vial 11	17010-2	SIMALC1	1	Sample		
12	Vial 12	17010-3	SIMALC1	1	Sample		
13	Vial 13	17010-4	SIMALC1	1	Sample		
14	Vial 14	17010-5	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	17011-1	SIMALC1	1	Sample		
18	Vial 18	17011-2	SIMALC1	1	Sample		
19	Vial 19	17011-3	SIMALC1	1	Sample		
20	Vial 20	17011-4	SIMALC1	1	Sample		
21	Vial 21	17011-5	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	17012-1	SIMALC1	1	Sample		
25	Vial 25	17012-2	SIMALC1	1	Sample		
26	Vial 26	17012-3	SIMALC1	1	Sample		

17012  
 BUO 2.28.17

KH

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17012-4	SIMALC1	1	Sample		
28	Vial 28	17012-5	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	17013-1	SIMALC1	1	Sample		
32	Vial 32	17013-2	SIMALC1	1	Sample		
33	Vial 33	17013-3	SIMALC1	1	Sample		
34	Vial 34	17013-4	SIMALC1	1	Sample		
35	Vial 35	17013-5	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	17014-1	SIMALC1	1	Sample		
39	Vial 39	17014-2	SIMALC1	1	Sample		
40	Vial 40	17014-3	SIMALC1	1	Sample		
41	Vial 41	17014-4	SIMALC1	1	Sample		
42	Vial 42	17014-5	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):

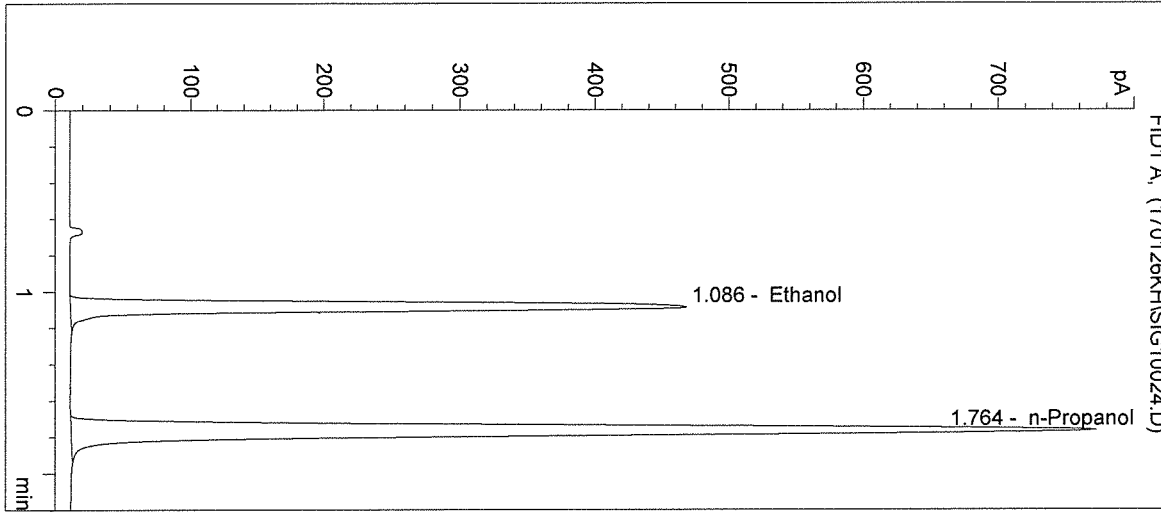
No entries - empty table!

~~17012~~  
 BCU 2-28-17

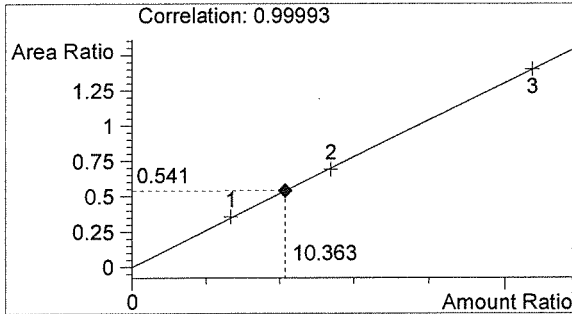
17012  
 BCU 2-28-17

KH

Inj. Date: 1/26/2017 12:13:03 PM      Sample Name: 17012-1  
 Instrument: HSGC#1      Operator: Katie Harris  
 Column: DB-ALC1      Location: Vial 24  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

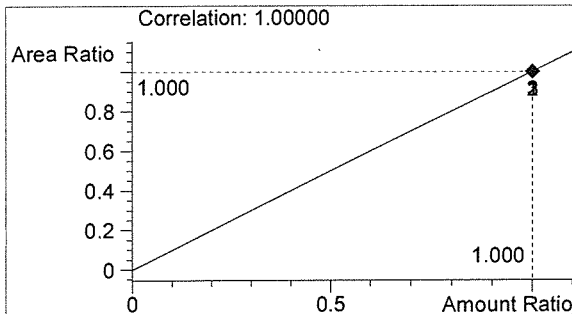


#	Compound	Peak Area	RT (min)
1	Ethanol	1558	1.086
2	n-Propanol	2879	1.764



Ethanol      0.124 g/100mL

*RWD*

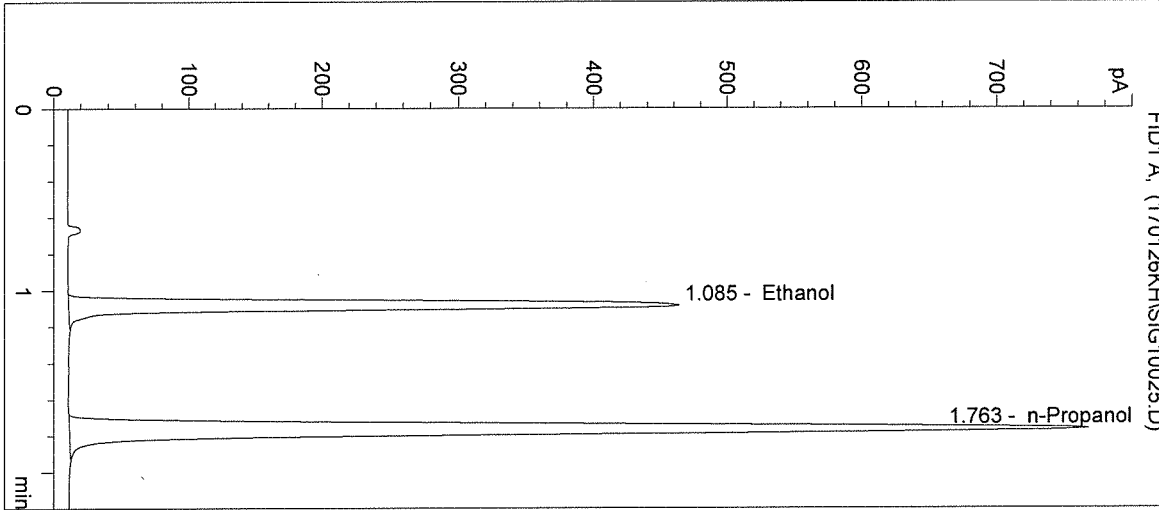


n-Propanol      0.012 g/100mL

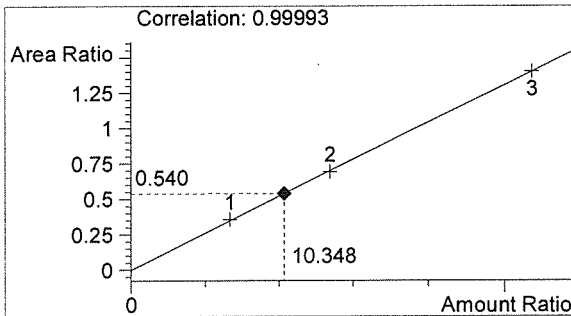
*KN*

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

Inj. Date: 1/26/2017 12:16:16 PM      Sample Name: 17012-2  
Instrument: HSGC#1      Operator: Katie Harris  
Column: DB-ALC1      Location: Vial 25  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

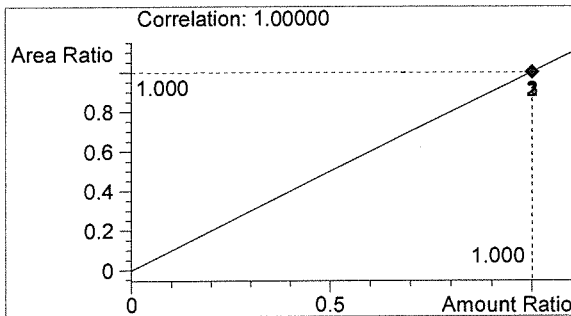


#	Compound	Peak Area	RT (min)
1	Ethanol	1546	1.085
2	n-Propanol	2861	1.763



Ethanol      0.124 g/100mL

*ALCO*



n-Propanol      0.012 g/100mL

*KH*

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

Inj. Date: 1/26/2017 12:19:28 PM

Sample Name: 17012-3

Instrument: HSGC#1

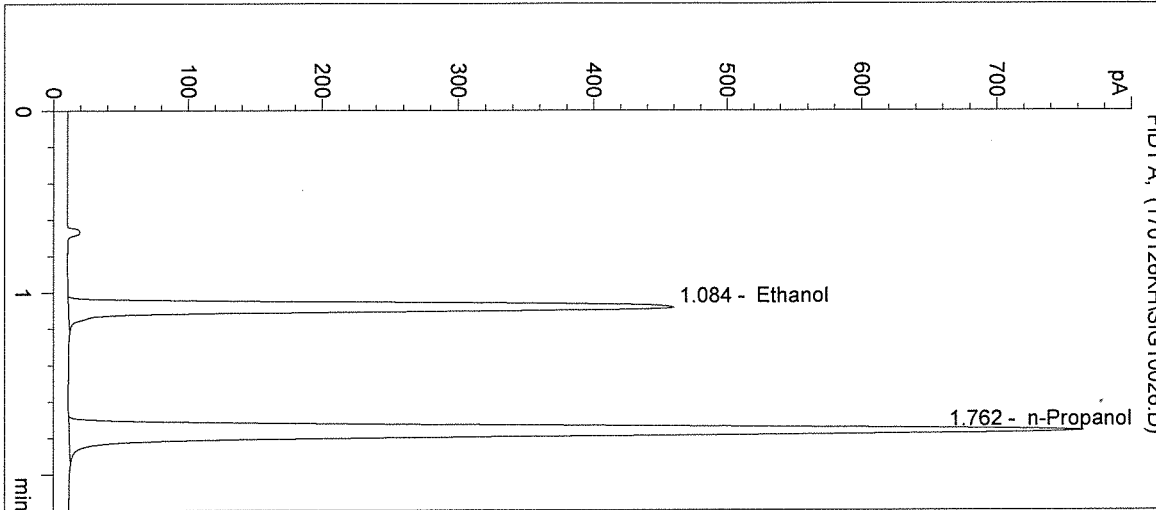
Operator: Katie Harris

Column: DB-ALC1

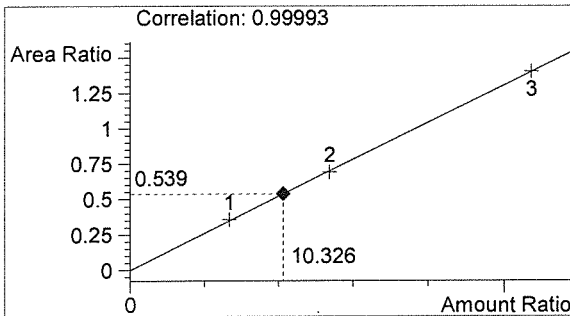
Location: Vial 26

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

Sample Info:

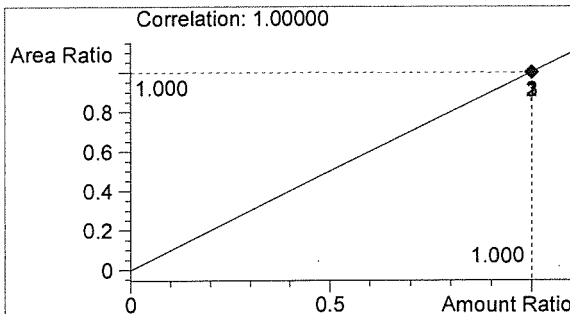


#	Compound	Peak Area	RT (min)
1	Ethanol	1532	1.084
2	n-Propanol	2841	1.762



Ethanol 0.124 g/100mL

*PLW*



n-Propanol 0.012 g/100mL

*KH*

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

Inj. Date: 1/26/2017 12:22:42 PM

Sample Name: 17012-4

Instrument: HSGC#1

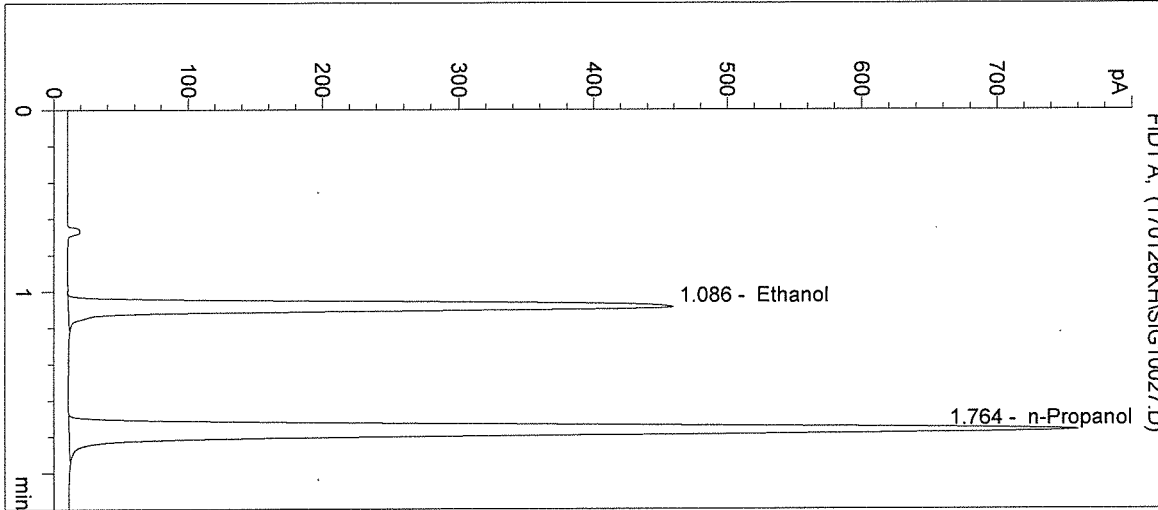
Operator: Katie Harris

Column: DB-ALC1

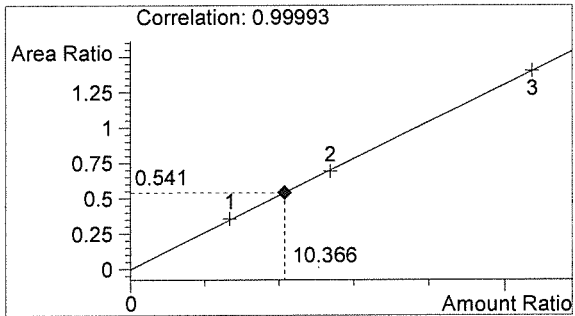
Location: Vial 27

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

Sample Info:

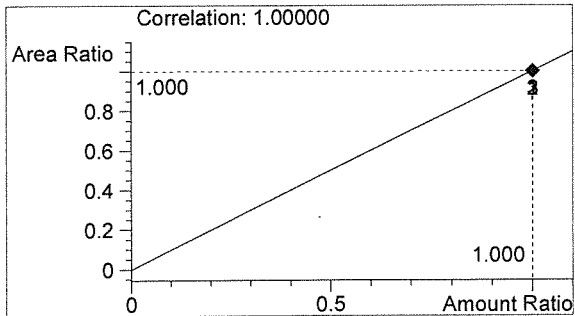


#	Compound	Peak Area	RT (min)
1	Ethanol	1539	1.086
2	n-Propanol	2843	1.764



Ethanol 0.124 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*KH*

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

Inj. Date: 1/26/2017 12:25:55 PM

Sample Name: 17012-5

Instrument: HSGC#1

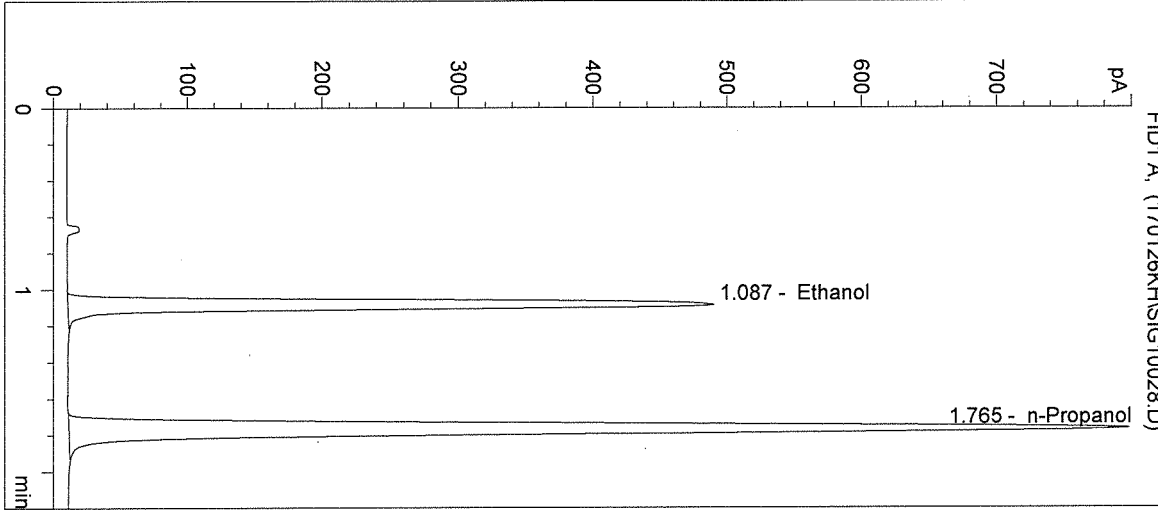
Operator: Katie Harris

Column: DB-ALC1

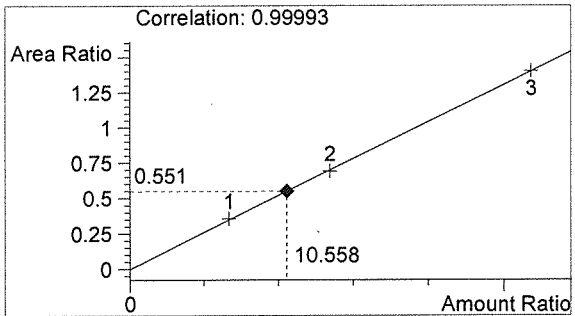
Location: Vial 28

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

Sample Info:

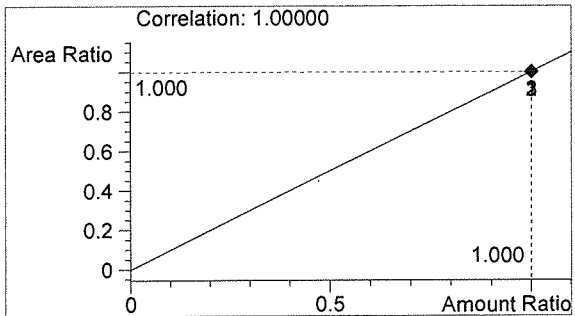


#	Compound	Peak Area	RT (min)
1	Ethanol	1649	1.087
2	n-Propanol	2992	1.765



Ethanol 0.127 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*KH*

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

Inj. Date: 1/26/2017 12:29:08 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

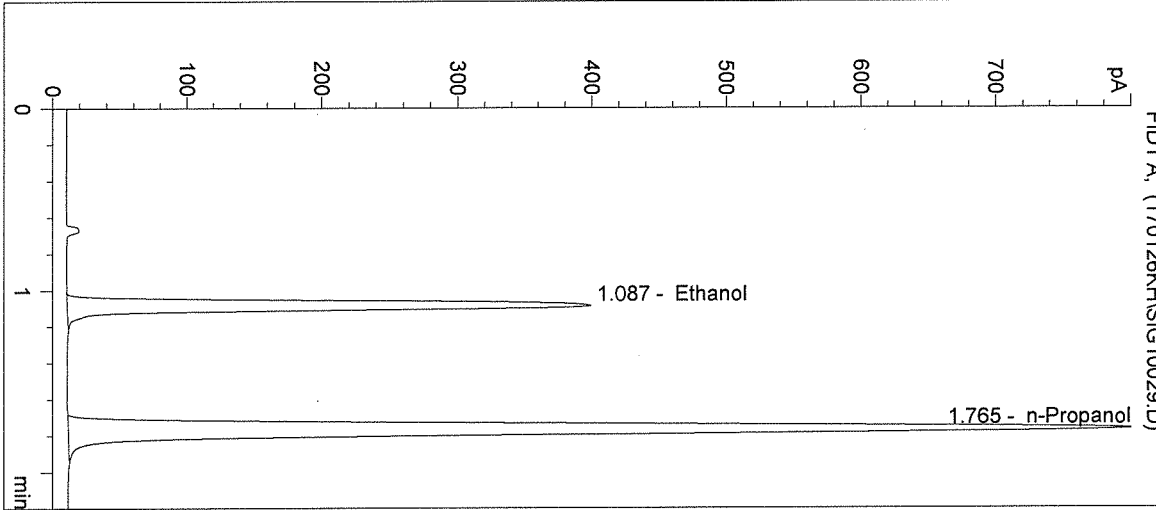
Operator: Katie Harris

Column: DB-ALC1

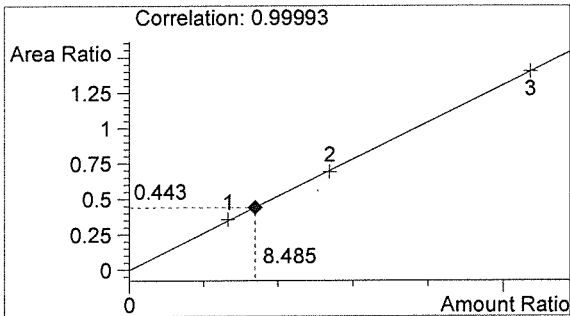
Location: Vial 29

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

Sample Info: 17012

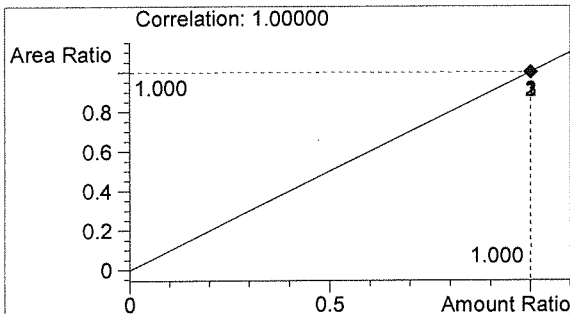


#	Compound	Peak Area	RT (min)
1	Ethanol	1336	1.087
2	n-Propanol	3013	1.765



Ethanol 0.102 g/100mL

*RAW*



n-Propanol 0.012 g/100mL

*KH*



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

Inj. Date: 1/26/2017 12:32:21 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

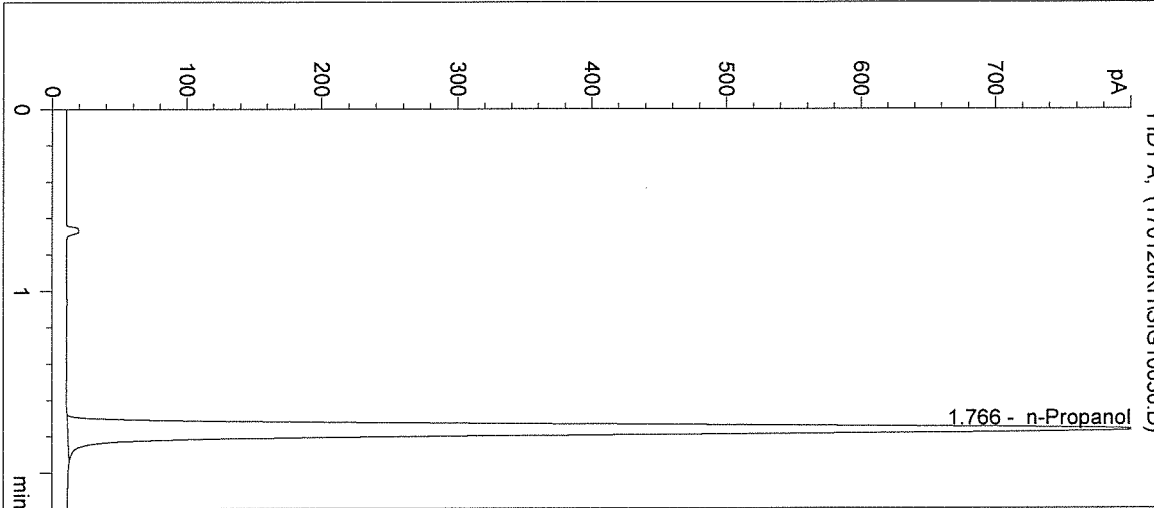
Operator: Katie Harris

Column: DB-ALC1

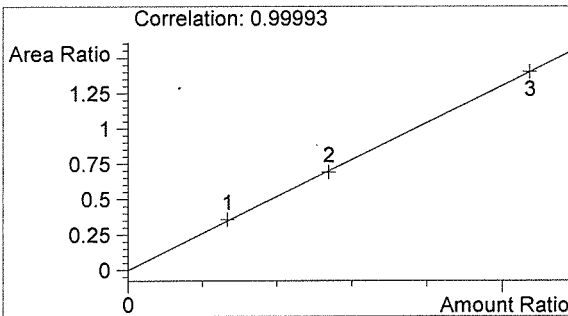
Location: Vial 30

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

Sample Info: 17012

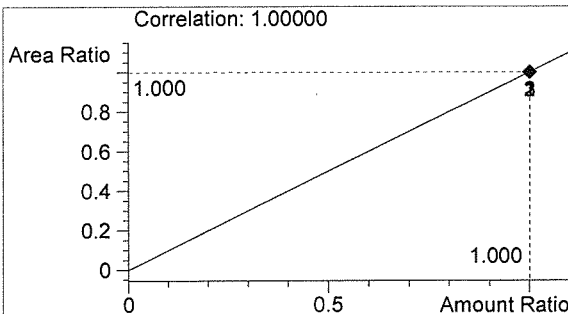


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3051	1.766



Ethanol 0.000 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

*KH*

Sequence Parameters:

Operator: Andrew Gingras  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 170126AG  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017  
 CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017  
 CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017  
 CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020  
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018  
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 02/2021  
 n-Propanol ISTD - LOT# P1116 - Exp 02/23/2017

17012  
 RCU 2-28-17

Standard data located in Batch File 17010  
 Diluter #2

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	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	17010-1	SIMALC1	1	Sample		
11	Vial 11	17010-2	SIMALC1	1	Sample		
12	Vial 12	17010-3	SIMALC1	1	Sample		
13	Vial 13	17010-4	SIMALC1	1	Sample		
14	Vial 14	17010-5	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	17011-1	SIMALC1	1	Sample		
18	Vial 18	17011-2	SIMALC1	1	Sample		
19	Vial 19	17011-3	SIMALC1	1	Sample		
20	Vial 20	17011-4	SIMALC1	1	Sample		
21	Vial 21	17011-5	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	17012-1	SIMALC1	1	Sample		
25	Vial 25	17012-2	SIMALC1	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
26	Vial 26	17012-3	SIMALC1	1	Sample		
27	Vial 27	17012-4	SIMALC1	1	Sample		
28	Vial 28	17012-5	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	17013-1	SIMALC1	1	Sample		
32	Vial 32	17013-2	SIMALC1	1	Sample		
33	Vial 33	17013-3	SIMALC1	1	Sample		
34	Vial 34	17013-4	SIMALC1	1	Sample		
35	Vial 35	17013-5	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	17014-1	SIMALC1	1	Sample		
39	Vial 39	17014-2	SIMALC1	1	Sample		
40	Vial 40	17014-3	SIMALC1	1	Sample		
41	Vial 41	17014-4	SIMALC1	1	Sample		
42	Vial 42	17014-5	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!

17012  
BUO 2-28-17

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

Inj. Date: 1/26/2017 3:03:55 PM

Sample Name: 17012-1

Instrument: HSGC#1

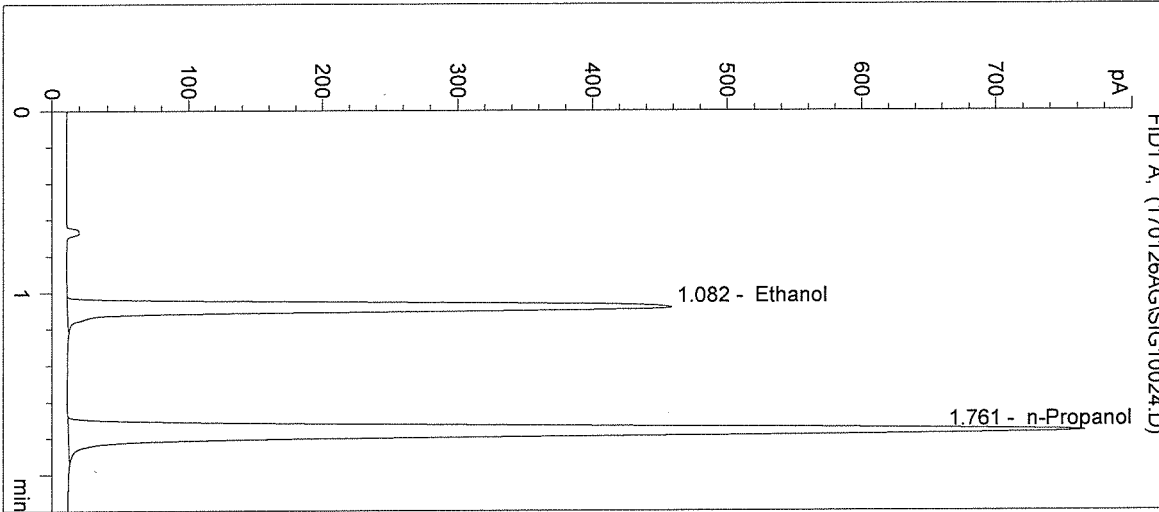
Operator: Andrew Gingras

Column: DB-ALC1

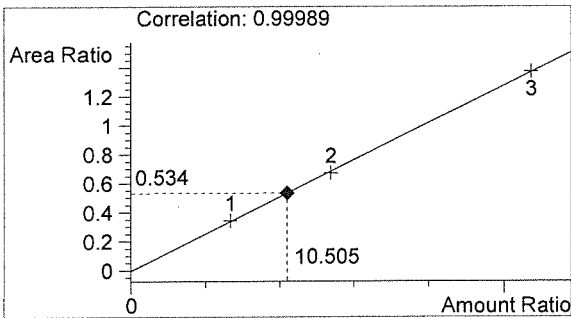
Location: Vial 24

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

Sample Info:

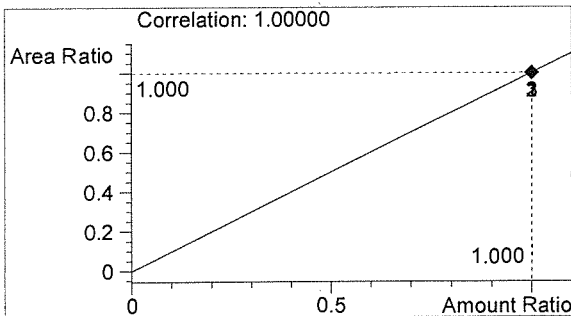


#	Compound	Peak Area	RT (min)
1	Ethanol	1518	1.082
2	n-Propanol	2840	1.761



Ethanol 0.126 g/100mL

*AW*



n-Propanol 0.012 g/100mL

*AS*

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

Inj. Date: 1/26/2017 3:07:08 PM

Sample Name: 17012-2

Instrument: HSGC#1

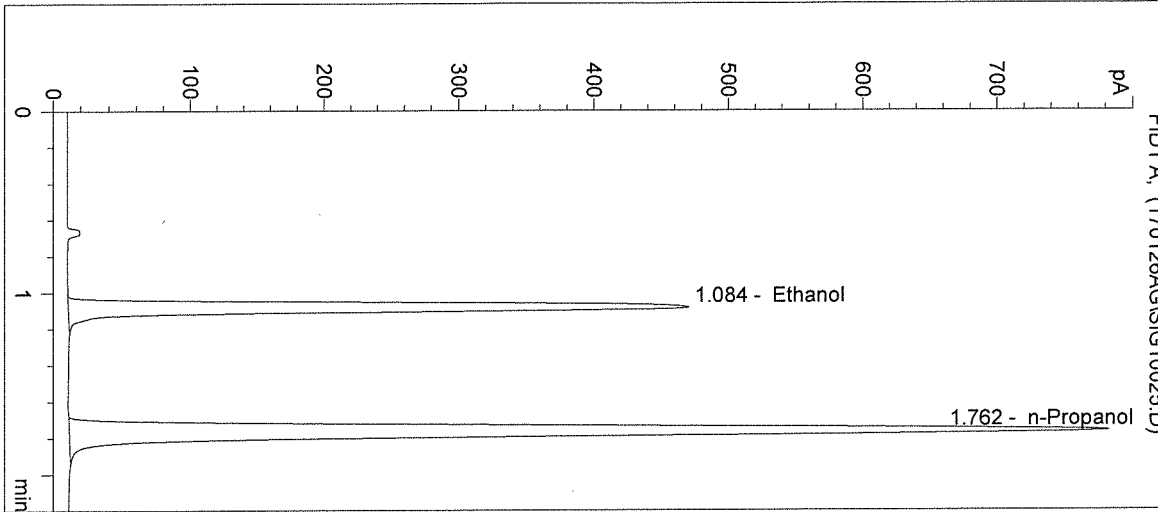
Operator: Andrew Gingras

Column: DB-ALC1

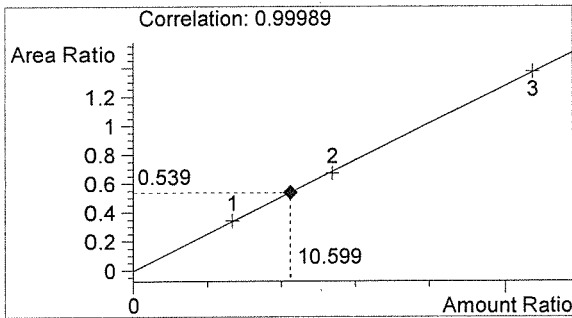
Location: Vial 25

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

Sample Info:

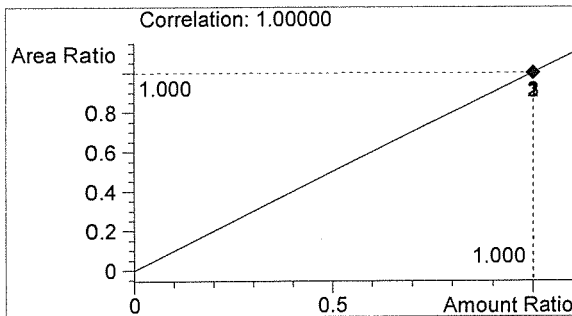


#	Compound	Peak Area	RT (min)
1	Ethanol	1571	1.084
2	n-Propanol	2912	1.762



Ethanol 0.127 g/100mL

*Buo*



n-Propanol 0.012 g/100mL

*AG*

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

Inj. Date: 1/26/2017 3:10:20 PM

Sample Name: 17012-3

Instrument: HSGC#1

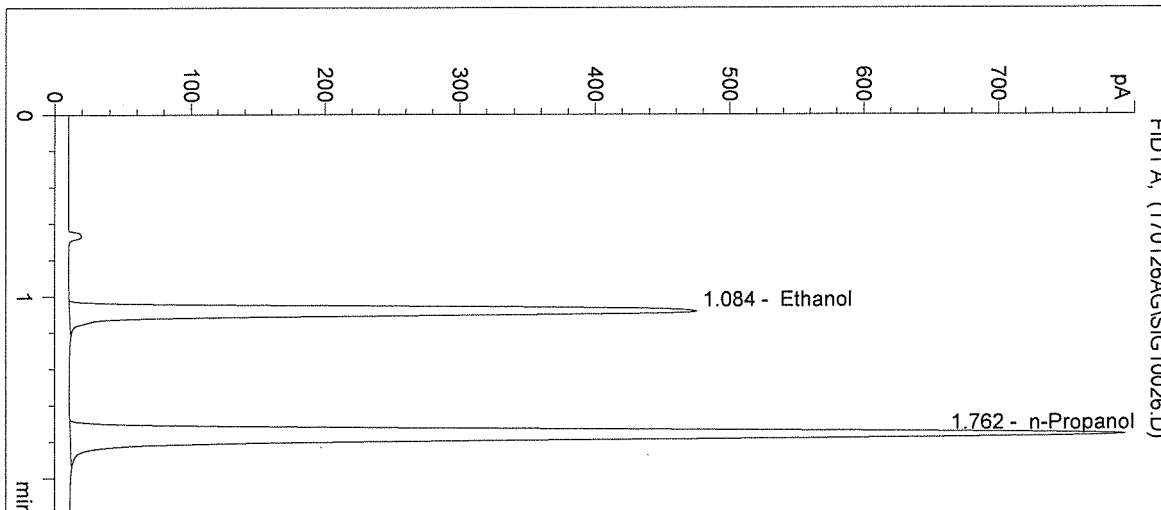
Operator: Andrew Gingras

Column: DB-ALC1

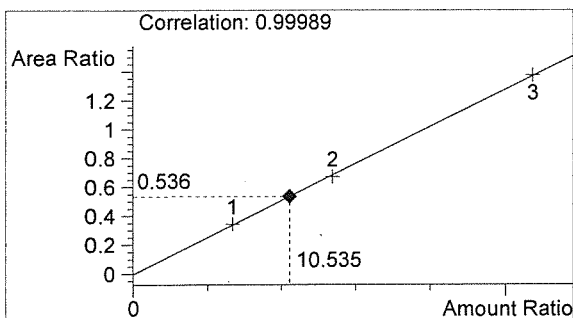
Location: Vial 26

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

Sample Info:

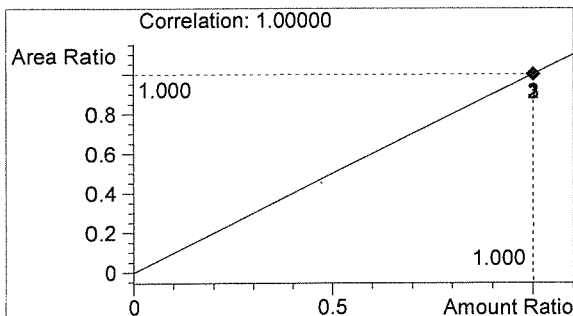


#	Compound	Peak Area	RT (min)
1	Ethanol	1581	1.084
2	n-Propanol	2949	1.762



Ethanol 0.126 g/100mL

*ALD*

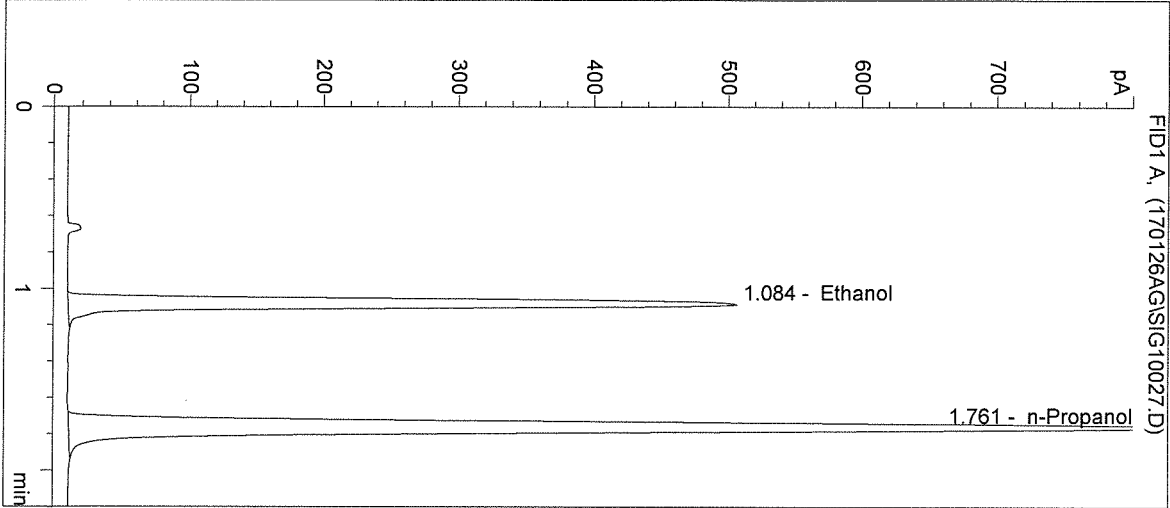


n-Propanol 0.012 g/100mL

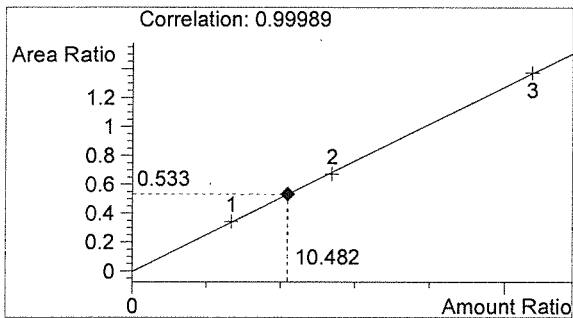
*AG*

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

Inj. Date: 1/26/2017 3:13:33 PM      Sample Name: 17012-4  
 Instrument: HSGC#1      Operator: Andrew Gingras  
 Column: DB-ALC1      Location: Vial 27  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info:

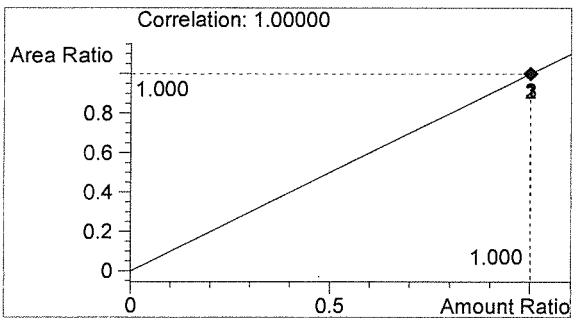


#	Compound	Peak Area	RT (min)
1	Ethanol	1680	1.084
2	n-Propanol	3149	1.761



Ethanol      0.126 g/100mL

*AW*

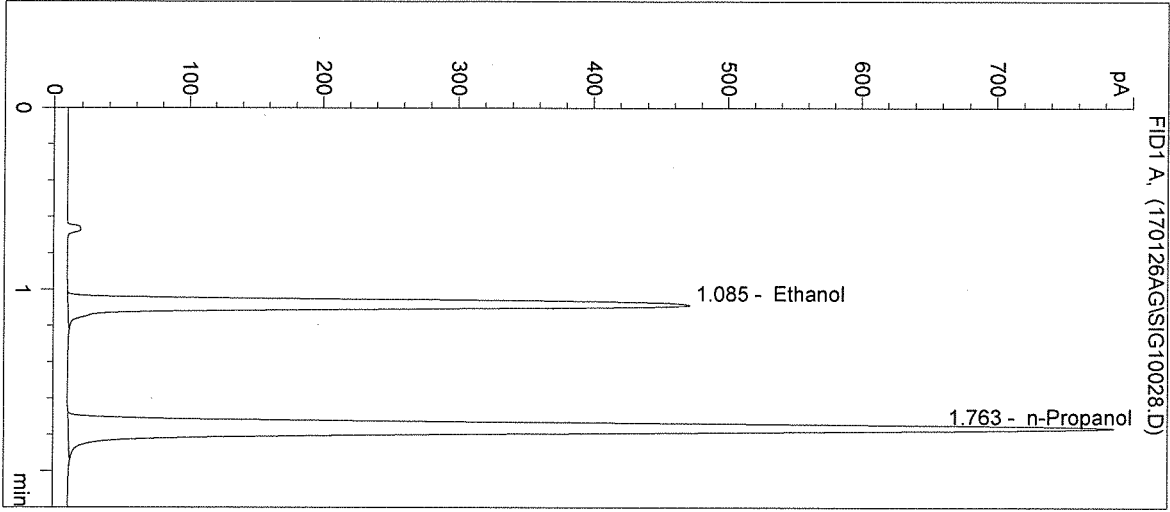


n-Propanol      0.012 g/100mL

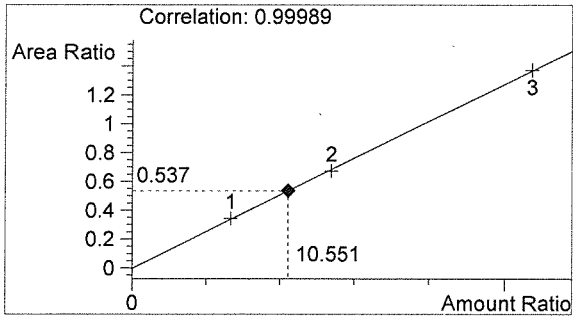
*AG*

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

Inj. Date: 1/26/2017 3:16:47 PM      Sample Name: 17012-5  
Instrument: HSGC#1      Operator: Andrew Gingras  
Column: DB-ALC1      Location: Vial 28  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info:

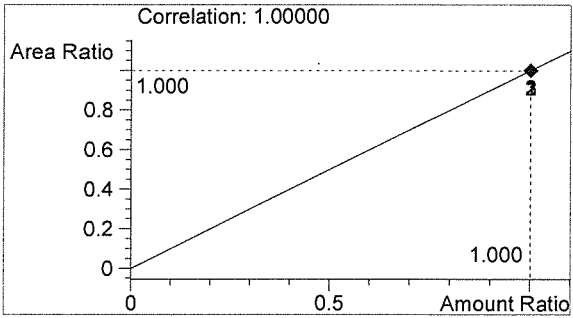


#	Compound	Peak Area	RT (min)
1	Ethanol	1571	1.085
2	n-Propanol	2927	1.763



Ethanol      0.127 g/100mL

*BW*



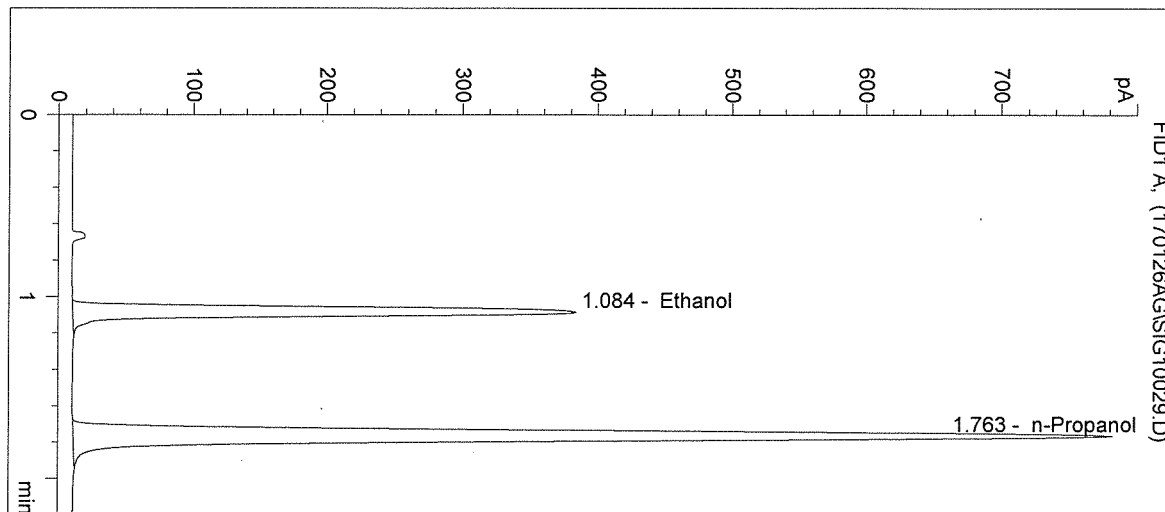
n-Propanol      0.012 g/100mL

*[Handwritten signature]*

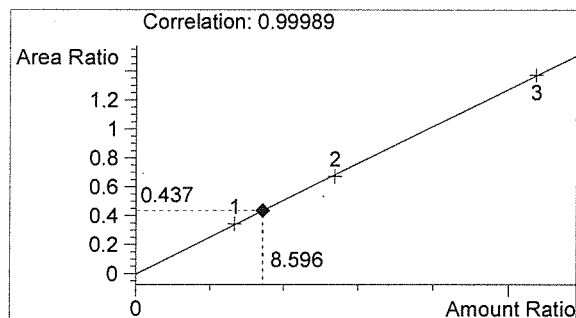


Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/26/2017 3:20:00 PM      Sample Name: 0.10 CTRL  
 Instrument: HSGC#1      Operator: Andrew Gingras  
 Column: DB-ALC1      Location: Vial 29  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 17012

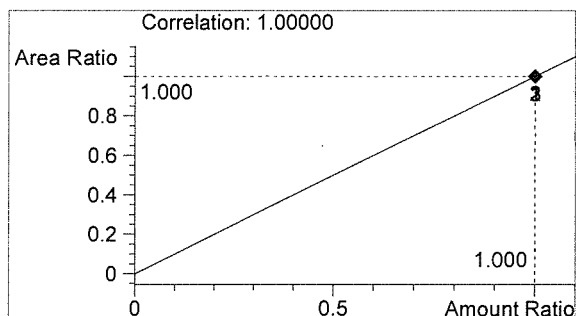


#	Compound	Peak Area	RT (min)
1	Ethanol	1275	1.084
2	n-Propanol	2917	1.763



Ethanol      0.103 g/100mL

*AWD*

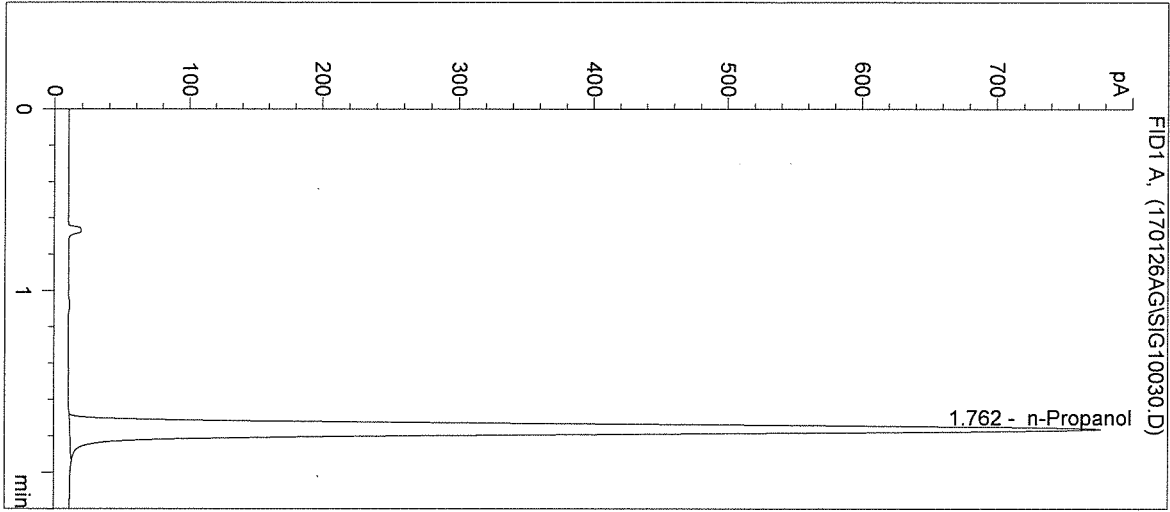


n-Propanol      0.012 g/100mL

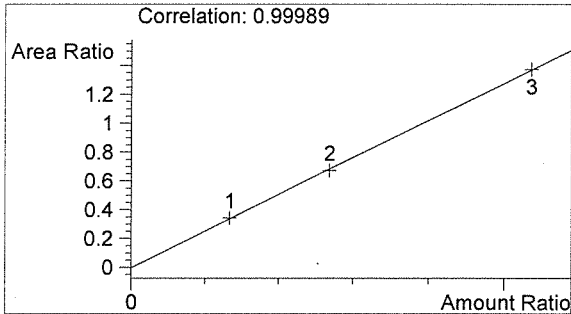
*AWD*

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

Inj. Date: 1/26/2017 3:23:13 PM      Sample Name: NEG CTRL  
 Instrument: HSGC#1      Operator: Andrew Gingras  
 Column: DB-ALC1      Location: Vial 30  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
 Sample Info: 17012

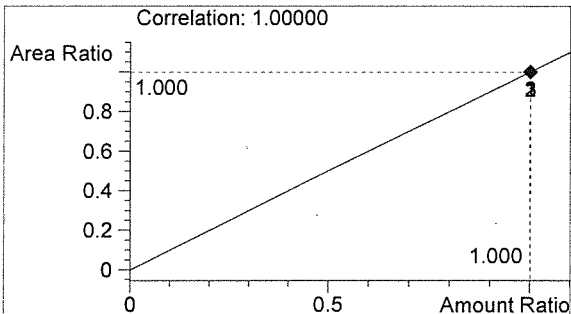


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2889	1.762



Ethanol      0.000 g/100mL

*RAW*



n-Propanol      0.012 g/100mL

*AB*

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: 170127JK  
 Part of Methods to run: According to Runtime Checklist  
 Barcode Reader: not used  
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0916-01 - Exp. 03/15/2017  
 Ethanol Calibrator 2, E0916-02 - Exp. 03/15/2017  
 Ethanol Calibrator 3, E0916-03 - Exp. 03/15/2017  
 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 17010.

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	17010-1	SIMALC1	1	Sample		
11	Vial 11	17010-2	SIMALC1	1	Sample		
12	Vial 12	17010-3	SIMALC1	1	Sample		
13	Vial 13	17010-4	SIMALC1	1	Sample		
14	Vial 14	17010-5	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	17011-1	SIMALC1	1	Sample		
18	Vial 18	17011-2	SIMALC1	1	Sample		
19	Vial 19	17011-3	SIMALC1	1	Sample		
20	Vial 20	17011-4	SIMALC1	1	Sample		
21	Vial 21	17011-5	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	17012-1	SIMALC1	1	Sample		
25	Vial 25	17012-2	SIMALC1	1	Sample		
26	Vial 26	17012-3	SIMALC1	1	Sample		

17012  
 FILED 2.28.17

JK

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17012-4	SIMALC1	1	Sample		
28	Vial 28	17012-5	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	17013-1	SIMALC1	1	Sample		
32	Vial 32	17013-2	SIMALC1	1	Sample		
33	Vial 33	17013-3	SIMALC1	1	Sample		
34	Vial 34	17013-4	SIMALC1	1	Sample		
35	Vial 35	17013-5	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	17014-1	SIMALC1	1	Sample		
39	Vial 39	17014-2	SIMALC1	1	Sample		
40	Vial 40	17014-3	SIMALC1	1	Sample		
41	Vial 41	17014-4	SIMALC1	1	Sample		
42	Vial 42	17014-5	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!

17012  
PMO 2-28-17

JR

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

Inj. Date: 1/27/2017 9:36:14 AM

Sample Name: 17012-1

Instrument: HSGC#1

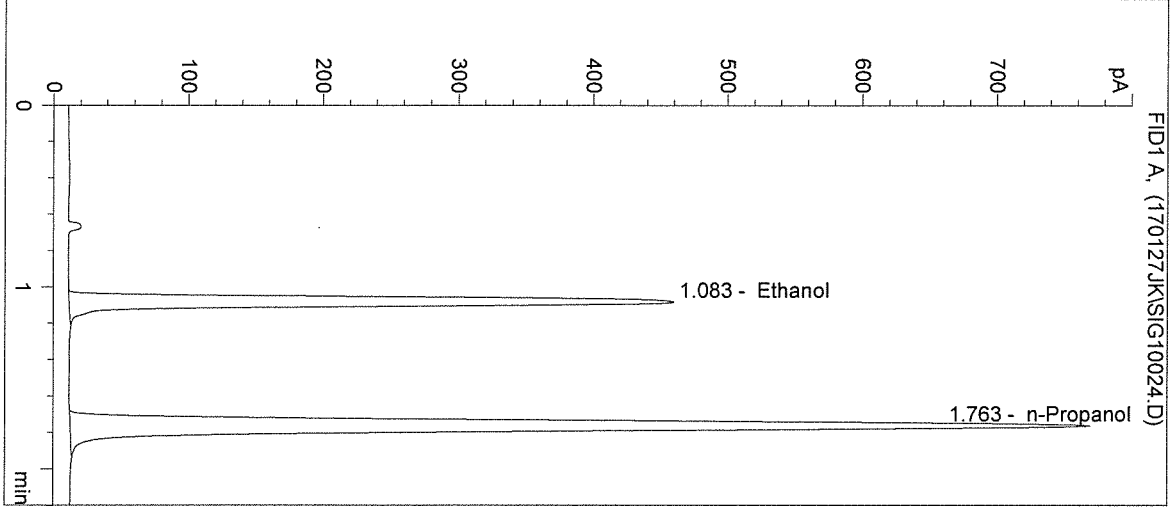
Operator: Justin Knoy

Column: DB-ALC1

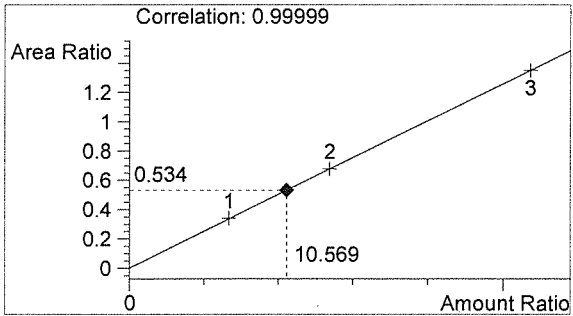
Location: Vial 24

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

Sample Info:

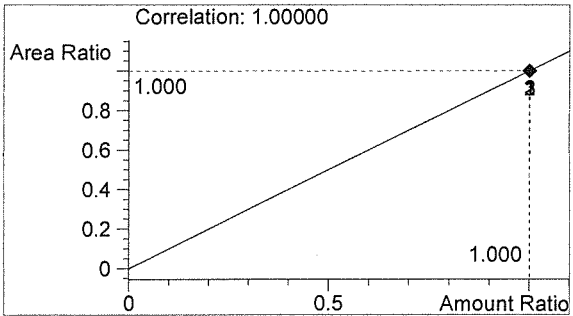


#	Compound	Peak Area	RT (min)
1	Ethanol	1528	1.083
2	n-Propanol	2860	1.763



Ethanol 0.127 g/100mL

*RLW*



n-Propanol 0.012 g/100mL

*JLK*

Inj. Date: 1/27/2017 9:39:27 AM

Sample Name: 17012-2

Instrument: HSGC#1

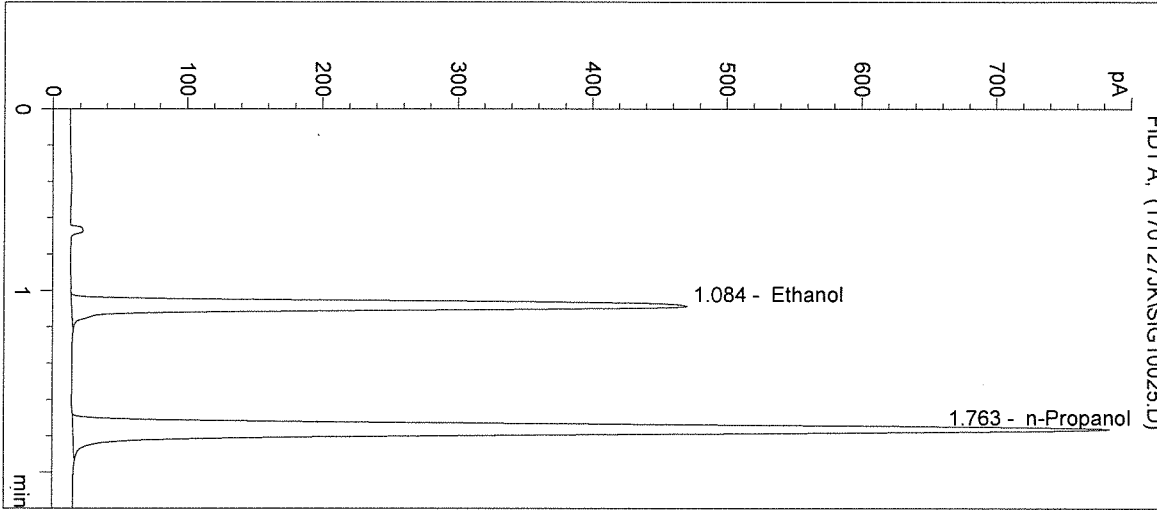
Operator: Justin Knoy

Column: DB-ALC1

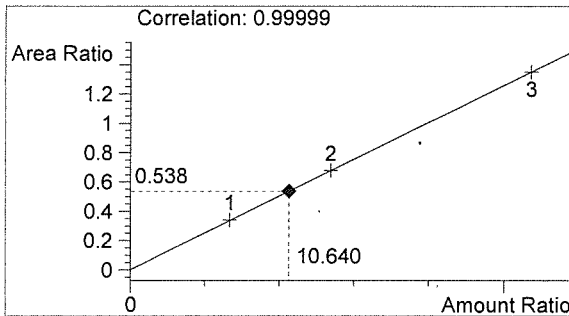
Location: Vial 25

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

Sample Info:

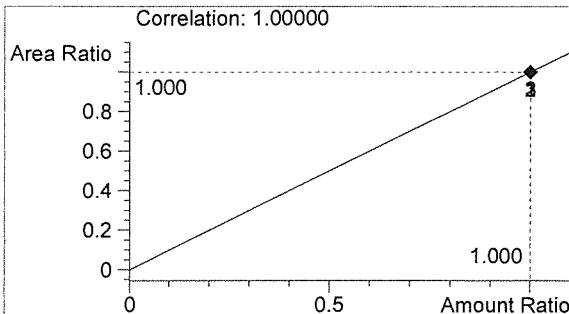


#	Compound	Peak Area	RT (min)
1	Ethanol	1564	1.084
2	n-Propanol	2908	1.763



Ethanol 0.128 g/100mL

*AWW*



n-Propanol 0.012 g/100mL

*JR*

Inj. Date: 1/27/2017 9:42:41 AM

Sample Name: 17012-3

Instrument: HSGC#1

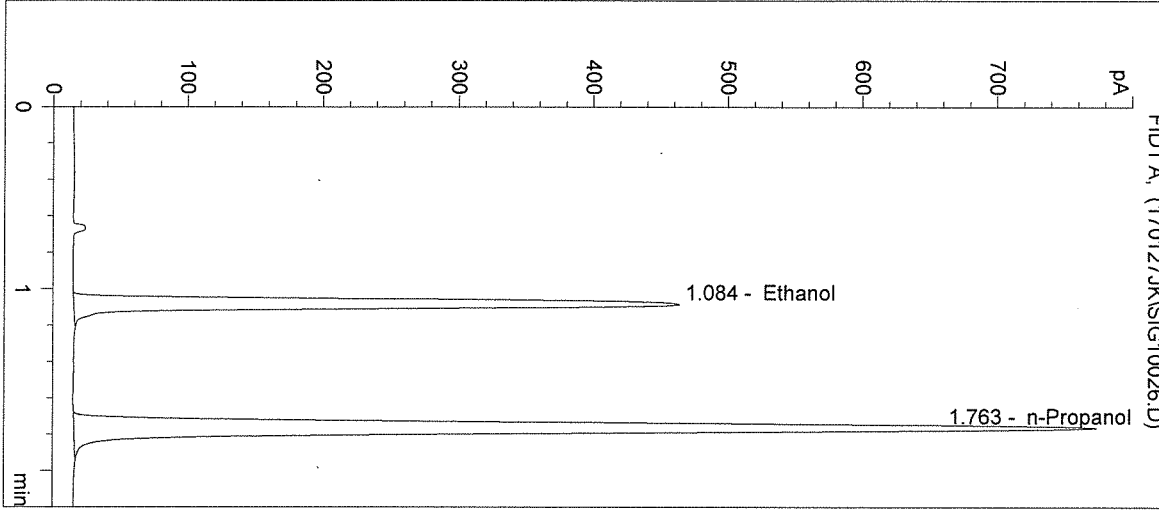
Operator: Justin Knoy

Column: DB-ALC1

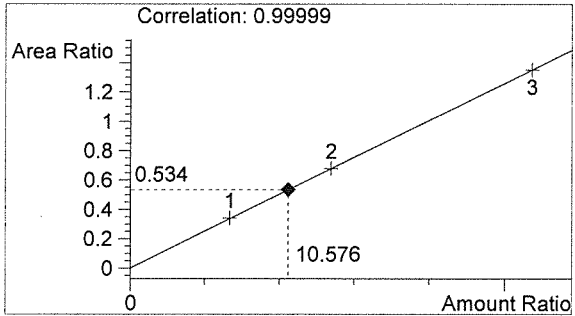
Location: Vial 26

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

Sample Info:

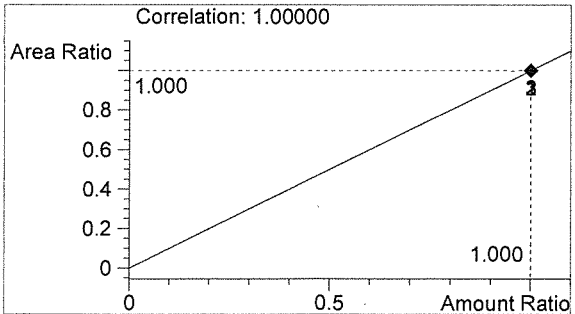


#	Compound	Peak Area	RT (min)
1	Ethanol	1534	1.084
2	n-Propanol	2870	1.763



Ethanol 0.127 g/100mL

*PWO*



n-Propanol 0.012 g/100mL

*HC*

Inj. Date: 1/27/2017 9:45:53 AM

Sample Name: 17012-4

Instrument: HSGC#1

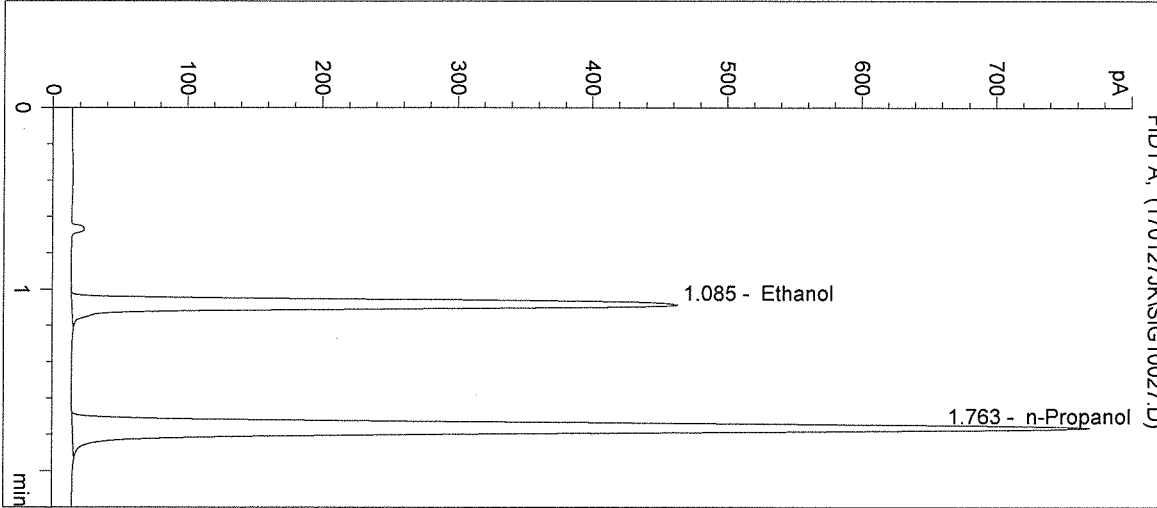
Operator: Justin Knoy

Column: DB-ALC1

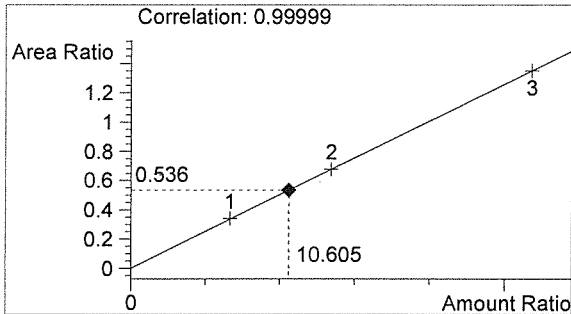
Location: Vial 27

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

Sample Info:

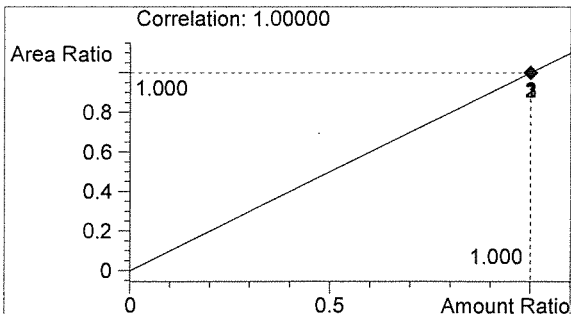


#	Compound	Peak Area	RT (min)
1	Ethanol	1529	1.085
2	n-Propanol	2853	1.763



Ethanol 0.127 g/100mL

*AKW*



n-Propanol 0.012 g/100mL

*JK*



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

Inj. Date: 1/27/2017 9:49:07 AM

Sample Name: 17012-5

Instrument: HSGC#1

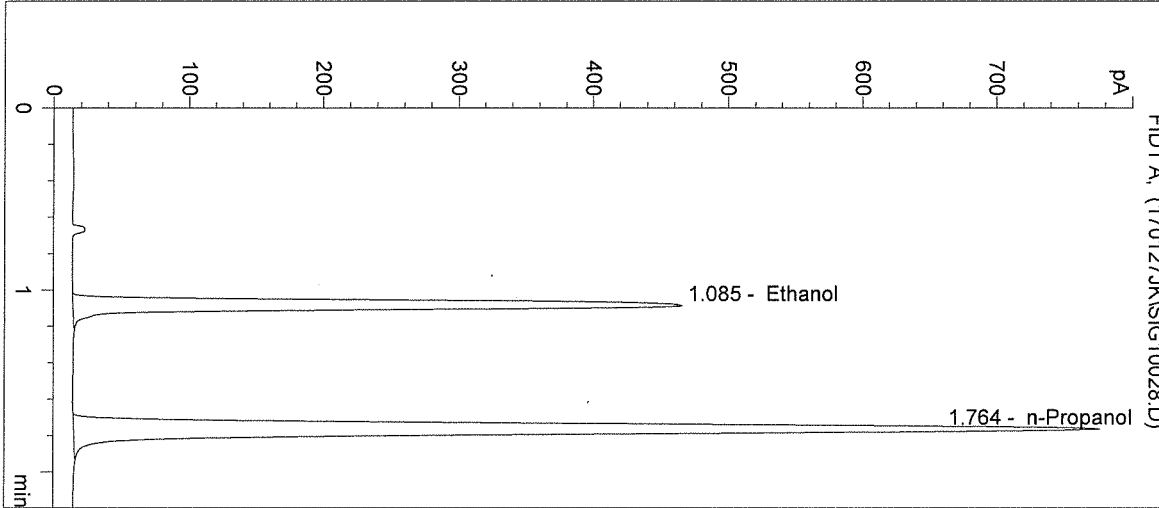
Operator: Justin Knoy

Column: DB-ALC1

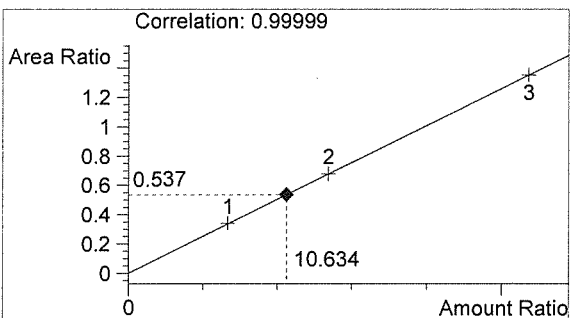
Location: Vial 28

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

Sample Info:

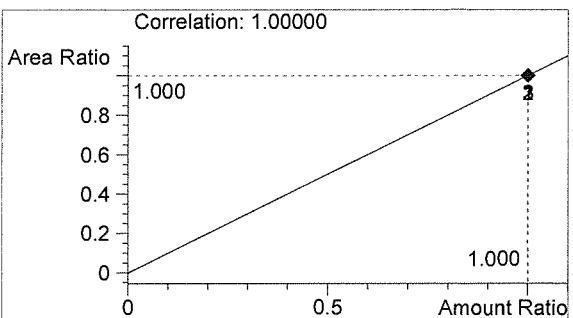


#	Compound	Peak Area	RT (min)
1	Ethanol	1548	1.085
2	n-Propanol	2882	1.764



Ethanol 0.128 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*JL*

Inj. Date: 1/27/2017 9:52:20 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

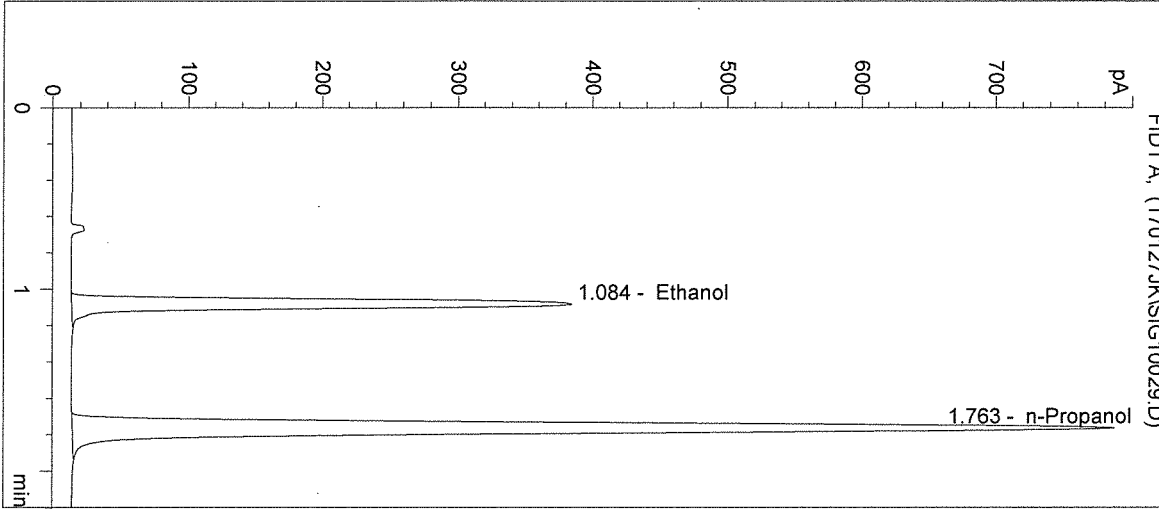
Operator: Justin Knoy

Column: DB-ALC1

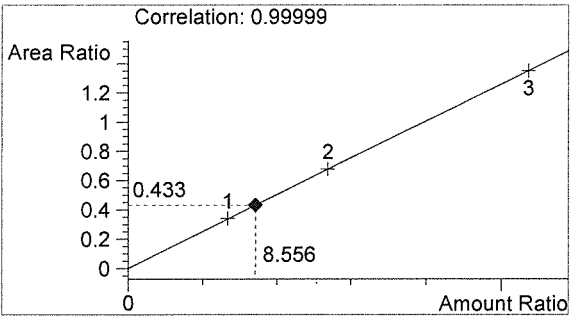
Location: Vial 29

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

Sample Info: 17012

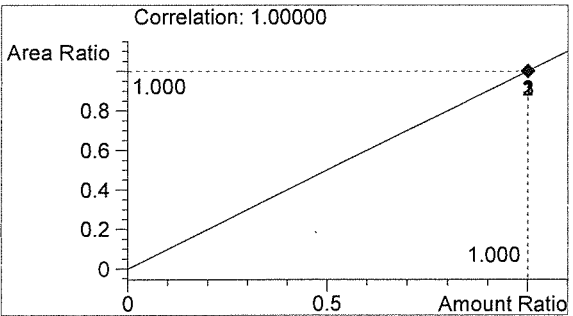


#	Compound	Peak Area	RT (min)
1	Ethanol	1265	1.084
2	n-Propanol	2923	1.763



Ethanol 0.103 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*JK*

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

Inj. Date: 1/27/2017 9:55:36 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

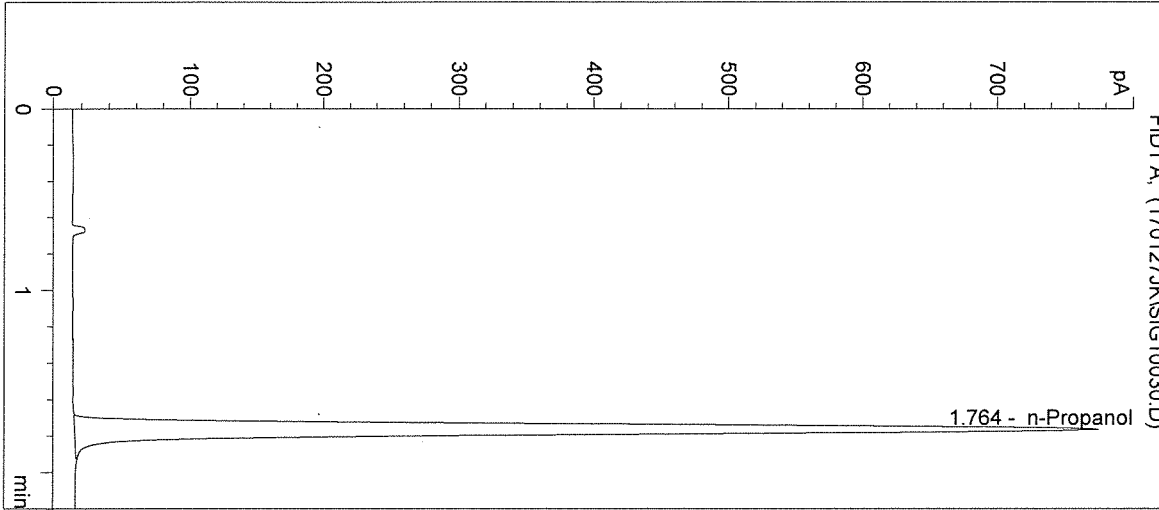
Operator: Justin Knoy

Column: DB-ALC1

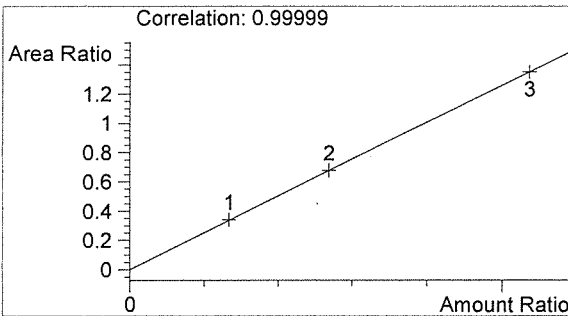
Location: Vial 30

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

Sample Info: 17012

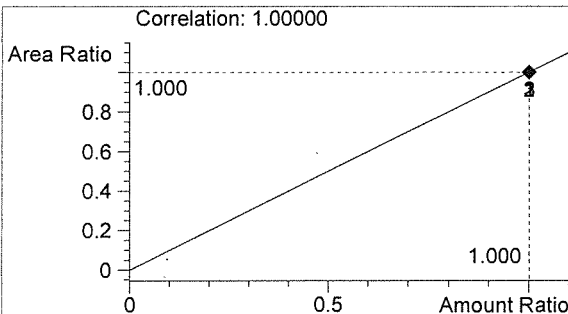


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2884	1.764



Ethanol 0.000 g/100mL

*Raw*



n-Propanol 0.012 g/100mL

*JTC*