



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17046

CUSTOMER INFORMATION

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

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

TESTING ITEM INFORMATION

TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 06/22/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	EW	AG
1	0.100	0.100	0.099
2	0.101	0.098	0.099
3	0.099	0.101	0.099
4	0.099	0.100	0.099
5	0.099	0.101	0.099
C	0.101	0.102	0.102

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.0995 g/100mL PRECISION CV (%): 0.92
STANDARD DEVIATION: 0.00092 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.0809 g/210L
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas

Forensic Scientist Supervisor

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AJL	Asa J. Louis		06/22/2017
EW	Elizabeth Wehner		06/22/2017
AG	Andrew Gingras		06/27/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 8-2-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17046

	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: 8-2-17

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

QAP Solution Batch #: 17046

Date Prepared: 6/22/2017

Analyst:	AJL	EW	AG
Date Tested:	6/22/2017	6/22/2017	6/27/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.100	0.100	0.099
2	0.101	0.098	0.099
3	0.099	0.101	0.099
4	0.099	0.100	0.099
5	0.099	0.101	0.099
C	0.101	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000056398	0.0000107498	0.0001016326

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

Average Solution Concentration: 0.0995 g/100mL
 Standard Deviation: 0.00092 g/100mL
 Precision CV (%): 0.92
 Equivalent Vapor Concentration: 0.0809 g/210L
 Combined Standard Uncertainty (\pm): 0.0009 g/210L
 Expanded Uncertainty (\pm): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas Brittany Thomas 6/28/17
 Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 8-2-17 Method: Hand calculation
 Name Signature Date

Review of batch file performed by: Brittany Thomas Brittany Thomas 6/28/17
 Name Signature Date

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras	<i>AG</i>	7/5/17
Asa Louis	<i>AL</i>	20170628
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	<i>EW</i>	6/28/17
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17046 *PT* 6/28/17

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17046**

I, Asa J. Louis, 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: B.S. degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 17046, was prepared in the Washington State Toxicology Laboratory on 6/22/2017. 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 6/22/2018.

Seattle, WA

 20170628

Asa J. Louis

Date

Forensic Toxicologist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17046**

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 17046, was prepared in the Washington State Toxicology Laboratory on 6/22/2017. 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 6/22/2018.

Seattle, WA

Elizabeth Wehner 6/28/17

Elizabeth Wehner

Date

Forensic Scientist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17046**

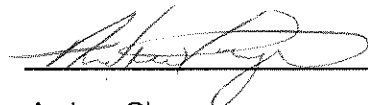
I, Andrew Gingras, do certify under penalty of perjury that:

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 17046, was prepared in the Washington State Toxicology Laboratory on 6/22/2017. 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 6/22/2018.

Seattle, WA

 7/5/2017

Andrew Gingras
Forensic Scientist

Date

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

Preparation Date: 20170622 Expiration Date: 20180622 Initials of Preparer: M

Lot # of 200-proof Ethanol used in preparation: 1FF0202

Date the 200-proof Ethanol bottle was opened: 20170509

17046
PAT
6/28/17

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input type="checkbox"/>	<u>17045</u>
QAP 0.08	22.4	18	<input type="checkbox"/>	<u>17046</u>
QAP 0.10 0.08 20170622	28.7 22.4	18	<input type="checkbox"/>	<u>17047</u>
QAP 0.15	42.1	18	<input type="checkbox"/>	<u>17048</u>
QAP 0.20	56.1	18	<input type="checkbox"/>	<u>17049</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 Date 20170622

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:


Analyst Signature

20170622 M
Date

17046

Sequence Parameters:

Operator: asa louis
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170622AL
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0217-01 exp 08/21/2017
 cal 2 e0217-02 exp 08/21/2017
 cal 3 e0217-03 exp 08/21/2017
 0.04 control - lot fn12181501 exp 12/2020
 0.10 control - lot fn08051301 exp 10/2018
 0.20 control - lot fn08101505 exp 02/2021
 istd p0517 exp 08/18/2016

cal data in qap 17045

labor 2

*2017
 on 2017 06 22*

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 - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl - al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl - al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg ctrl - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	qap 17045 #1	SIMALC1	1	Sample		
11	Vial 11	qap 17045 #2	SIMALC1	1	Sample		
12	Vial 12	qap 17045 #3	SIMALC1	1	Sample		
13	Vial 13	qap 17045 #4	SIMALC1	1	Sample		
14	Vial 14	qap 17045 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg ctrl - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	qap 17046 #1	SIMALC1	1	Sample		
18	Vial 18	qap 17046 #2	SIMALC1	1	Sample		
19	Vial 19	qap 17046 #3	SIMALC1	1	Sample		
20	Vial 20	qap 17046 #4	SIMALC1	1	Sample		
21	Vial 21	qap 17046 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg ctrl - al	SIMALC1	1	Ctrl Samp		
24	Vial 24	qap 17047 #1	SIMALC1	1	Sample		
25	Vial 25	qap 17047 #2	SIMALC1	1	Sample		
26	Vial 26	qap 17047 #3	SIMALC1	1	Sample		
27	Vial 27	qap 17047 #4	SIMALC1	1	Sample		
28	Vial 28	qap 17047 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
30	Vial 30	neg ctrl - al	SIMALC1	1	Ctrl Samp		

17046

*DT
 6/28/17*

AL

17046

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
31	Vial 31	qap 17048 #1	SIMALC1	1	Sample		
32	Vial 32	qap 17048 #2	SIMALC1	1	Sample		
33	Vial 33	qap 17048 #3	SIMALC1	1	Sample		
34	Vial 34	qap 17048 #4	SIMALC1	1	Sample		
35	Vial 35	qap 17048 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
37	Vial 37	neg ctrl - al	SIMALC1	1	Ctrl Samp		
38	Vial 38	qap 17049 #1	SIMALC1	1	Sample		
39	Vial 39	qap 17049 #2	SIMALC1	1	Sample		
40	Vial 40	qap 17049 #3	SIMALC1	1	Sample		
41	Vial 41	qap 17049 #4	SIMALC1	1	Sample		
42	Vial 42	qap 17049 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 ctrl - al	SIMALC1	1	Ctrl Samp		
44	Vial 44	neg ctrl - al	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!

17046

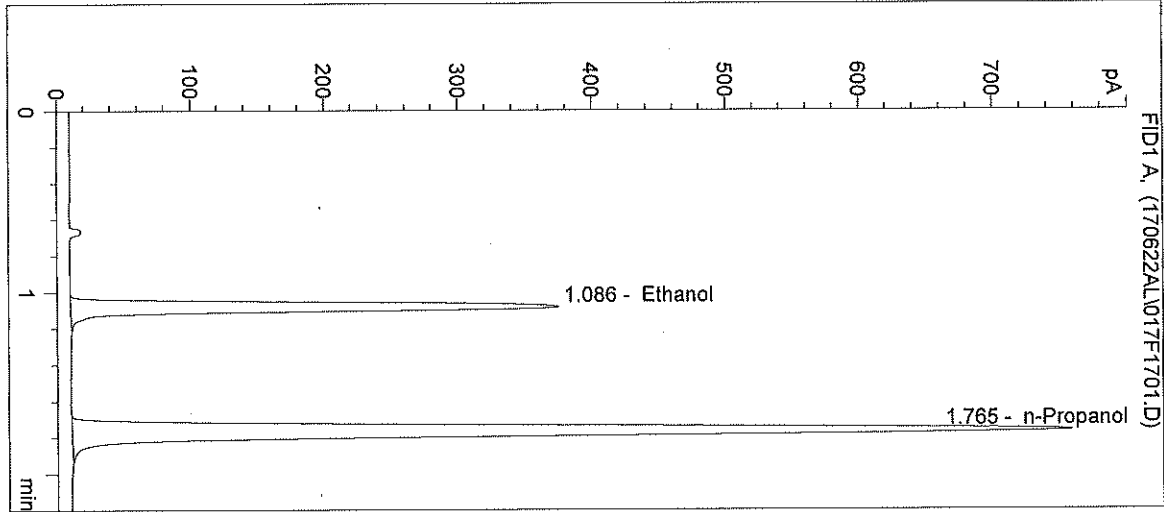
Not
6/28/17

[Handwritten mark]

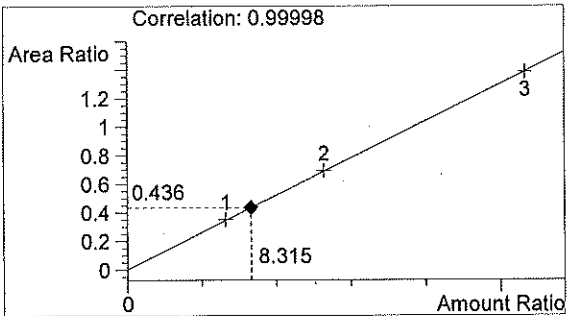
17046

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

Inj. Date: 6/22/2017 10:39:50 AM Sample Name: gap 17046 #1
 Instrument: HSGC#1 Operator: asa louis
 Column: DB-ALC1 Location: Vial 17
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

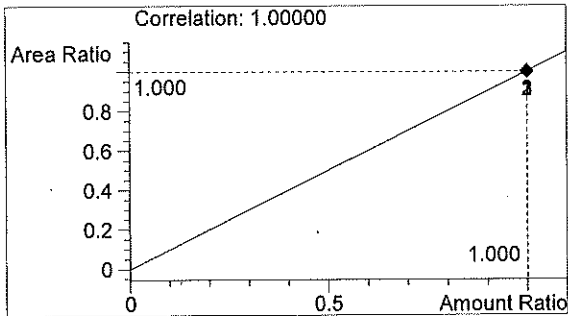


#	Compound	Peak Area	RT (min)
1	Ethanol	1223	1.086
2	n-Propanol	2805	1.765



Ethanol 0.100 g/100mL

mt

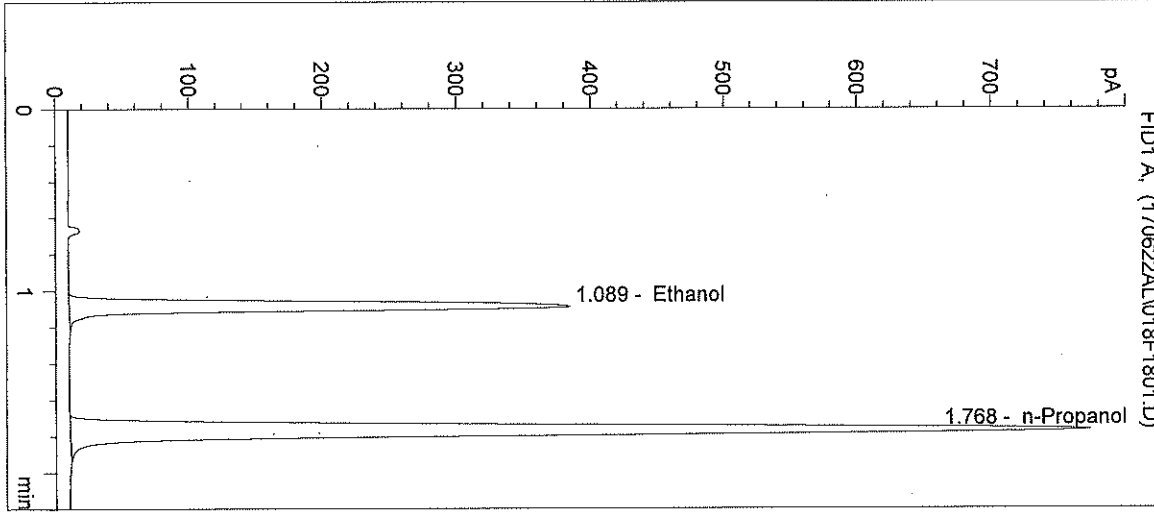


n-Propanol 0.012 g/100mL

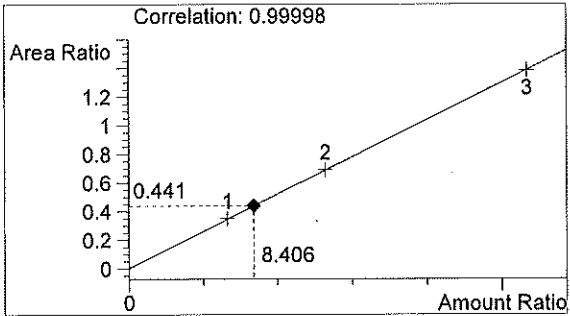
se

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

Inj. Date: 6/22/2017 10:43:03 AM Sample Name: gap 17046 #2
 Instrument: HSGC#1 Operator: asa louis
 Column: DB-ALC1 Location: Vial 18
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

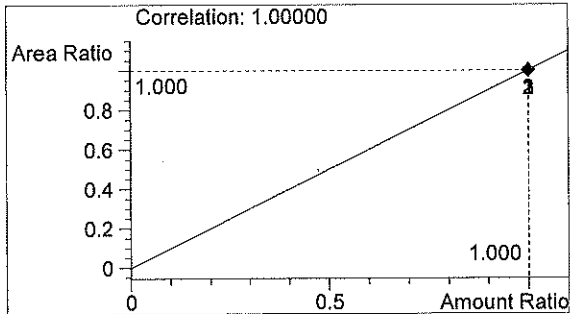


#	Compound	Peak Area	RT (min)
1	Ethanol	1270	1.089
2	n-Propanol	2881	1.768



Ethanol 0.101 g/100mL

pot



n-Propanol 0.012 g/100mL

2

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

Inj. Date: 6/22/2017 10:46:17 AM

Sample Name: gap 17046 #3

Instrument: HSGC#1

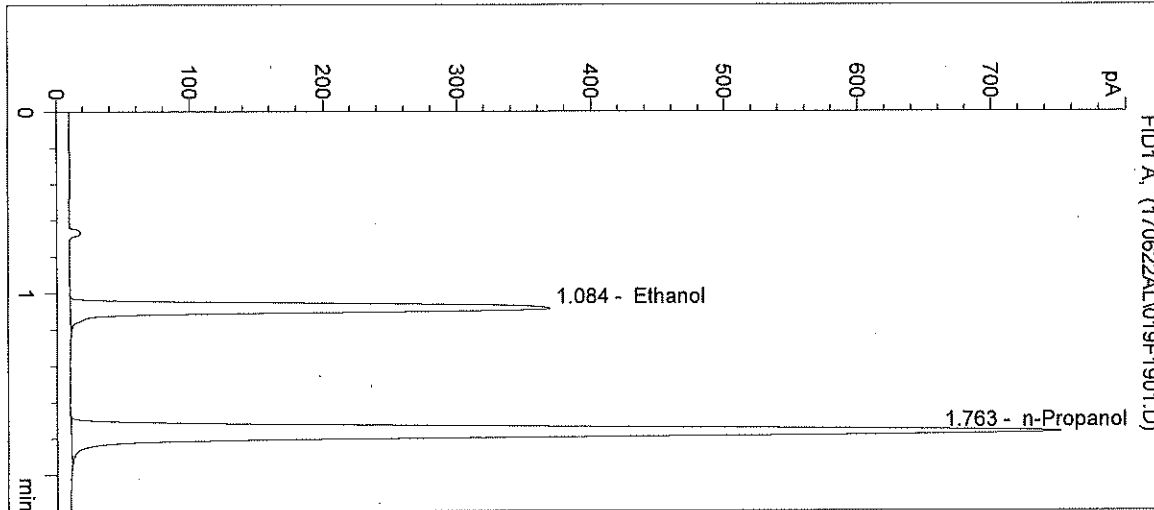
Operator: asa louis

Column: DB-ALC1

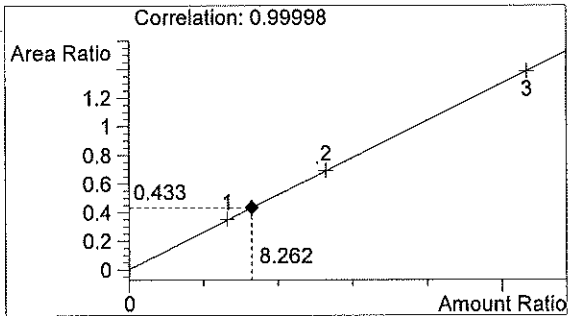
Location: Vial 19

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

Sample Info:

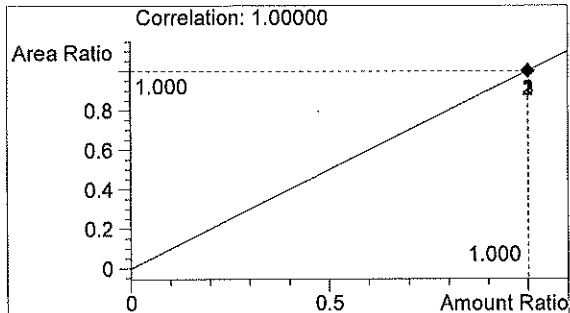


#	Compound	Peak Area	RT (min)
1	Ethanol	1200	1.084
2	n-Propanol	2771	1.763



Ethanol 0.099 g/100mL

MS



n-Propanol 0.012 g/100mL

2

Inj. Date: 6/22/2017 10:49:30 AM

Sample Name: gap 17046 #4

Instrument: HSGC#1

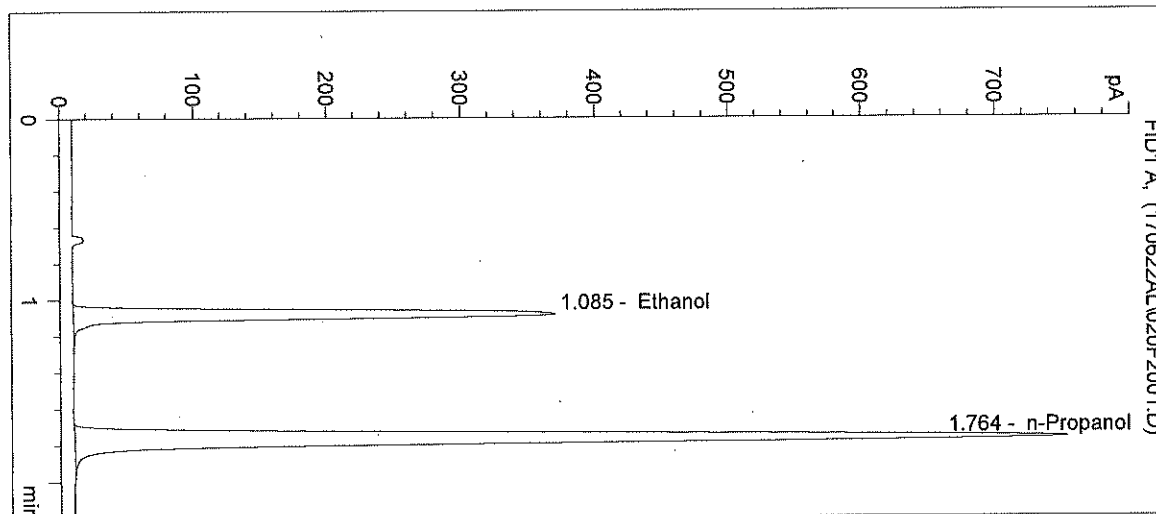
Operator: asa louis

Column: DB-ALC1

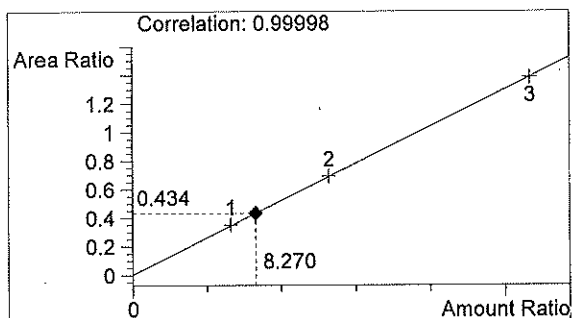
Location: Vial 20

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

Sample Info:

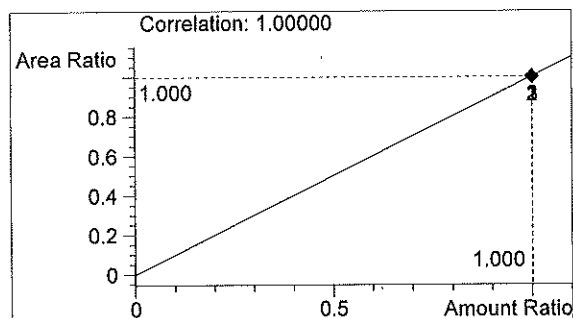


#	Compound	Peak Area	RT (min)
1	Ethanol	1203	1.085
2	n-Propanol	2775	1.764



Ethanol 0.099 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten mark

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

Inj. Date: 6/22/2017 10:52:43 AM

Sample Name: gap 17046 #5

Instrument: HSGC#1

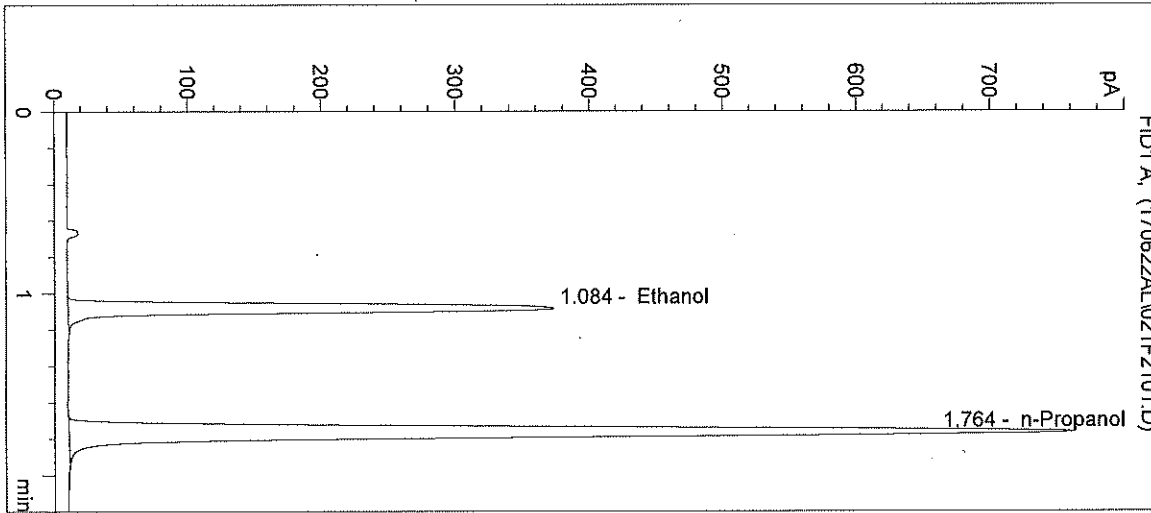
Operator: asa louis

Column: DB-ALC1

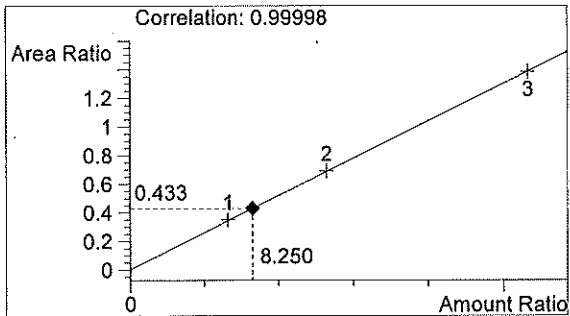
Location: Vial 21

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

Sample Info:

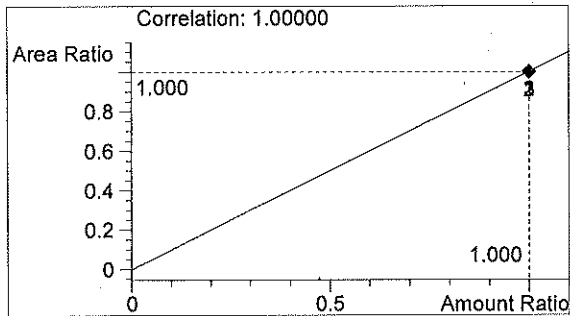


#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.084
2	n-Propanol	2804	1.764



Ethanol 0.099 g/100mL

OT



n-Propanol 0.012 g/100mL

22

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

Inj. Date: 6/22/2017 10:55:56 AM

Sample Name: 0.10 ctrl - al

Instrument: HSGC#1

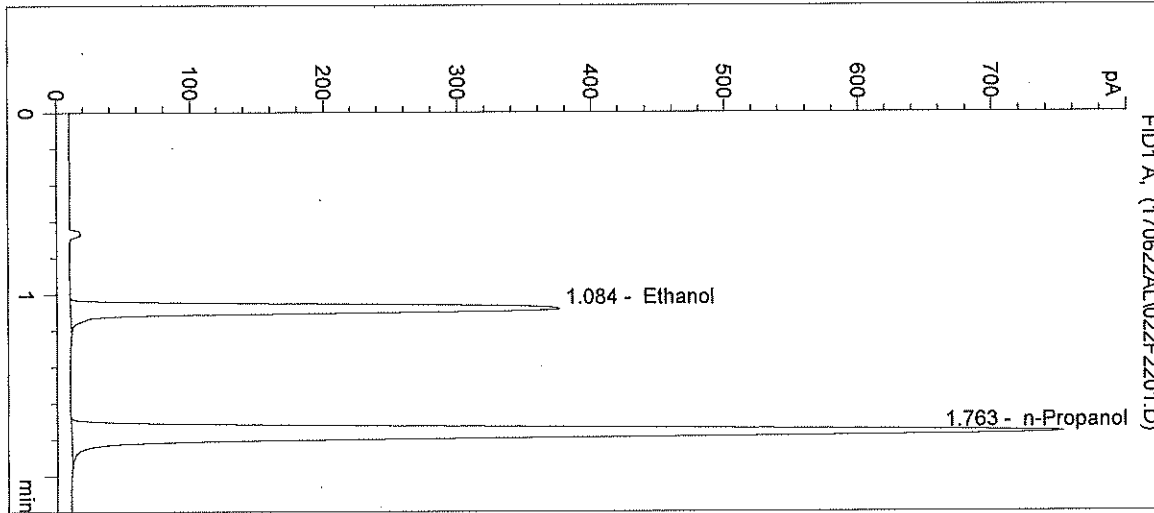
Operator: asa louis

Column: DB-ALC1

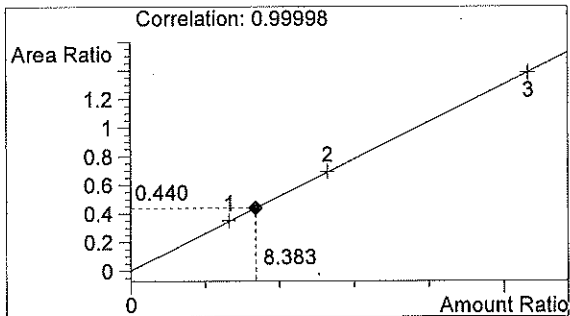
Location: Vial 22

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

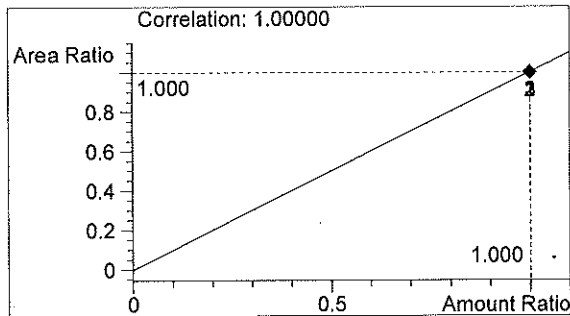
Sample Info: gap 17046



#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.084
2	n-Propanol	2773	1.763



Ethanol 0.101 g/100mL *mt*



n-Propanol 0.012 g/100mL

2

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

Inj. Date: 6/22/2017 10:59:10 AM

Sample Name: neg ctrl - al

Instrument: HSGC#1

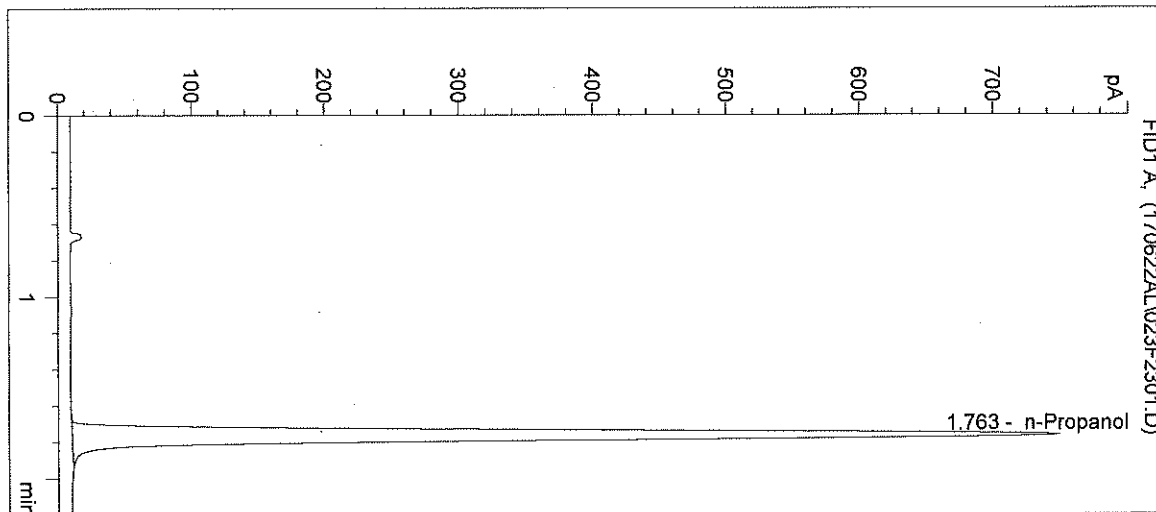
Operator: asa louis

Column: DB-ALC1

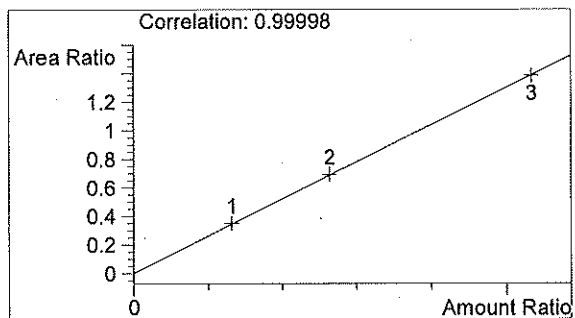
Location: Vial 23

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

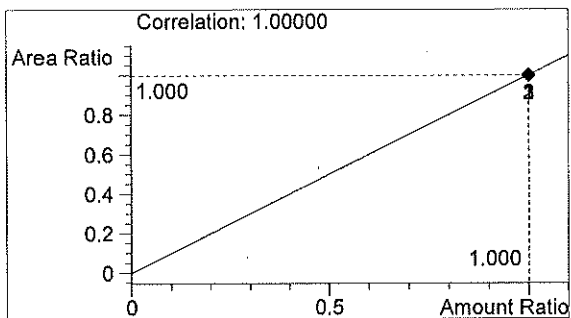
Sample Info: gap 17046



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2761	1.763



Ethanol 0.000 g/100mL *pas*



n-Propanol 0.012 g/100mL

AS

Sequence Parameters:

Operator: Elizabeth Wehner
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170622EW
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Cal 1 E0217-01 exp 08/21/2017
 Cal 2 E0217-02 exp 08/21/2017
 Cal 3 E0217-03 exp 08/21/2017

 0.04 control - lot FN12181501 exp 12/2020
 0.10 control - lot FN08051301 exp 10/2018
 0.20 control - lot FN08101505 exp 02/2021

 ISTD P0517 exp 08/18/2016 *2017 eww/28/17*
 Cal data filed with 17045
 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	qap 17045 #1	SIMALC1	1	Sample		
11	Vial 11	qap 17045 #2	SIMALC1	1	Sample		
12	Vial 12	qap 17045 #3	SIMALC1	1	Sample		
13	Vial 13	qap 17045 #4	SIMALC1	1	Sample		
14	Vial 14	qap 17045 #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	qap 17046 #1	SIMALC1	1	Sample		
18	Vial 18	qap 17046 #2	SIMALC1	1	Sample		
19	Vial 19	qap 17046 #3	SIMALC1	1	Sample		
20	Vial 20	qap 17046 #4	SIMALC1	1	Sample		
21	Vial 21	qap 17046 #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	qap 17047 #1	SIMALC1	1	Sample		
25	Vial 25	qap 17047 #2	SIMALC1	1	Sample		
26	Vial 26	qap 17047 #3	SIMALC1	1	Sample		

17046
BT
6/28/17

EW
EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	qap 17047 #4	SIMALC1	1	Sample		
28	Vial 28	qap 17047 #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	qap 17048 #1	SIMALC1	1	Sample		
32	Vial 32	qap 17048 #2	SIMALC1	1	Sample		
33	Vial 33	qap 17048 #3	SIMALC1	1	Sample		
34	Vial 34	qap 17048 #4	SIMALC1	1	Sample		
35	Vial 35	qap 17048 #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	qap 17049 #1	SIMALC1	1	Sample		
39	Vial 39	qap 17049 #2	SIMALC1	1	Sample		
40	Vial 40	qap 17049 #3	SIMALC1	1	Sample		
41	Vial 41	qap 17049 #4	SIMALC1	1	Sample		
42	Vial 42	qap 17049 #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!

17046
BT
6/28/17

EW

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

Inj. Date: 6/22/2017 5:00:34 PM

Sample Name: gap 17046 #1

Instrument: HSGC#1

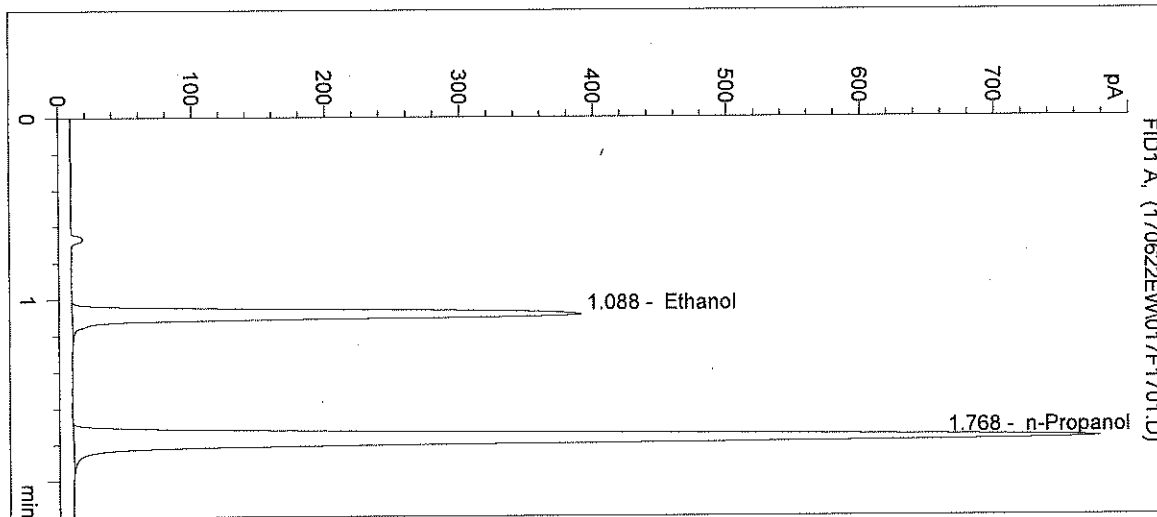
Operator: Elizabeth Wehner

Column: DB-ALC1

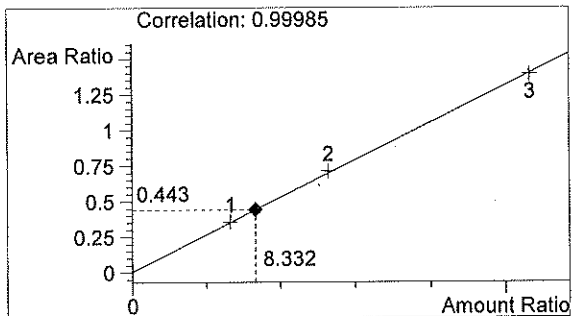
Location: Vial 17

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

Sample Info:



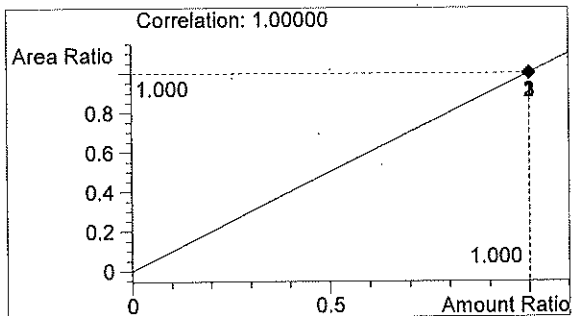
#	Compound	Peak Area	RT (min)
1	Ethanol	1283	1.088
2	n-Propanol	2894	1.768



Ethanol

0.100 g/100mL

EW



n-Propanol

0.012 g/100mL

EW

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

Inj. Date: 6/22/2017 5:03:48 PM

Sample Name: gap 17046 #2

Instrument: HSGC#1

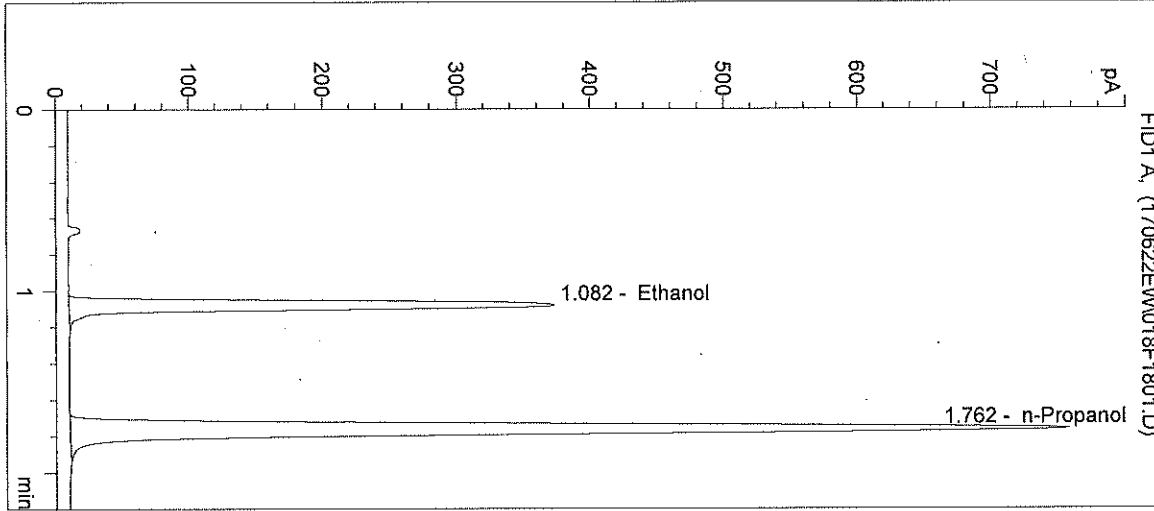
Operator: Elizabeth Wehner

Column: DB-ALC1

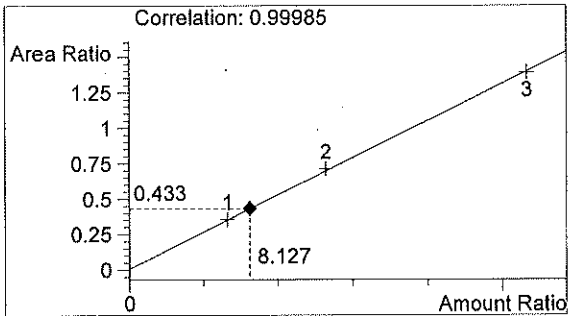
Location: Vial 18

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

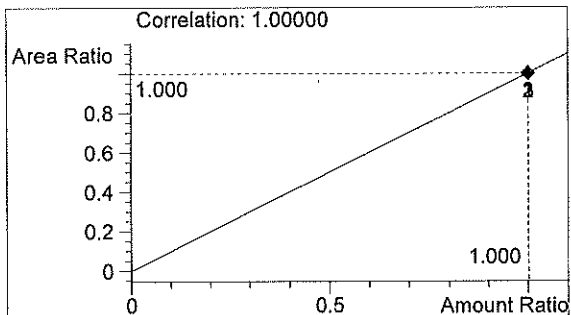
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1206	1.082
2	n-Propanol	2787	1.762



Ethanol 0.098 g/100mL *Wm*



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 6/22/2017 5:07:01 PM

Sample Name: gap 17046 #3

Instrument: HSGC#1

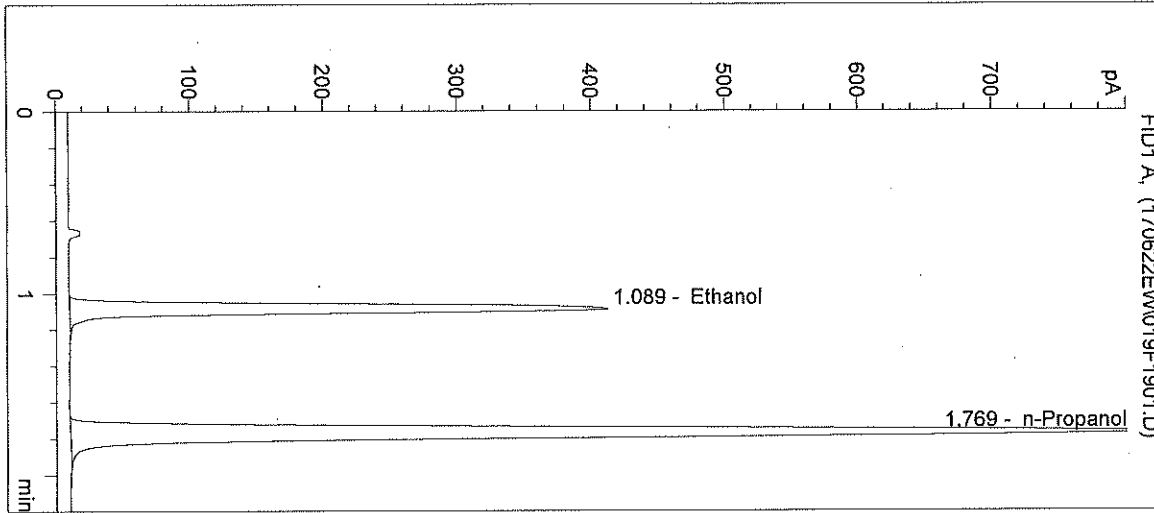
Operator: Elizabeth Wehner

Column: DB-ALC1

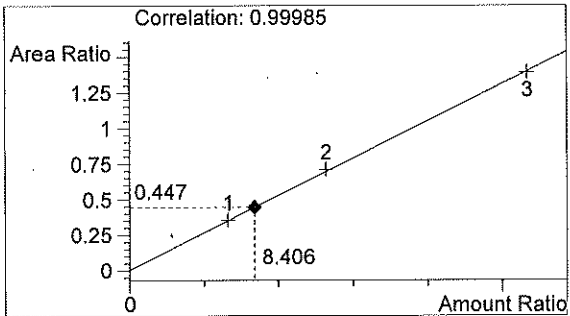
Location: Vial 19

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

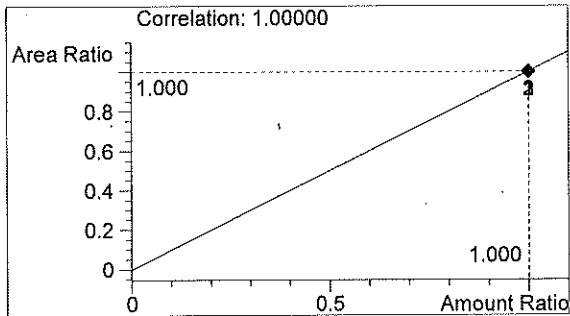
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1369	1.089
2	n-Propanol	3060	1.769



Ethanol 0.101 g/100mL *EW*

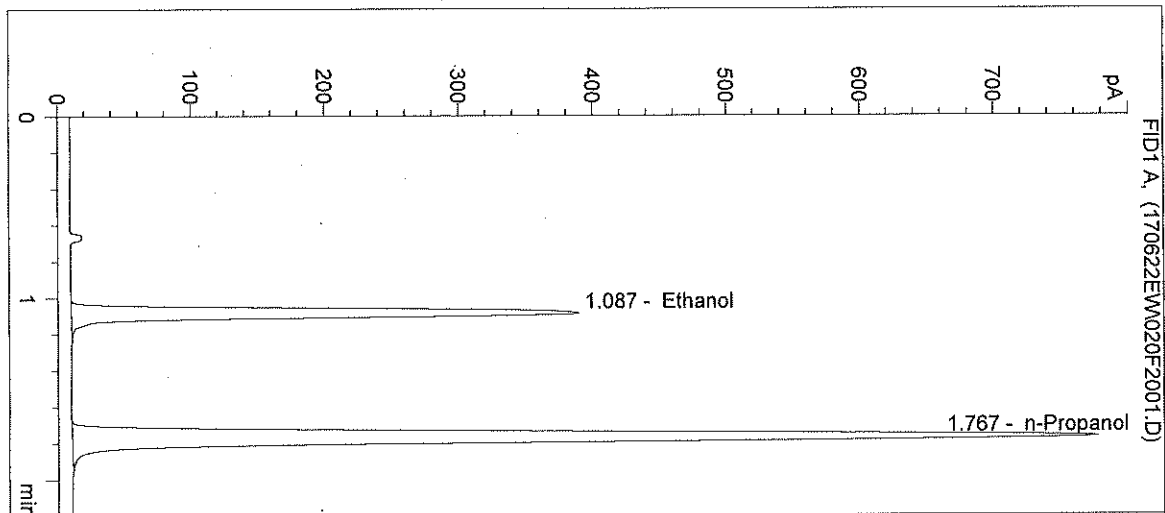


n-Propanol 0.012 g/100mL

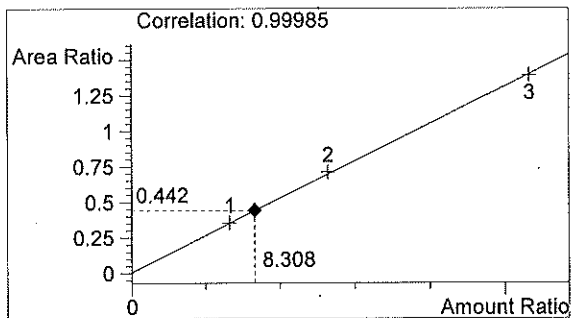
EW

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2203 Airport Way S Seattle, WA 98134

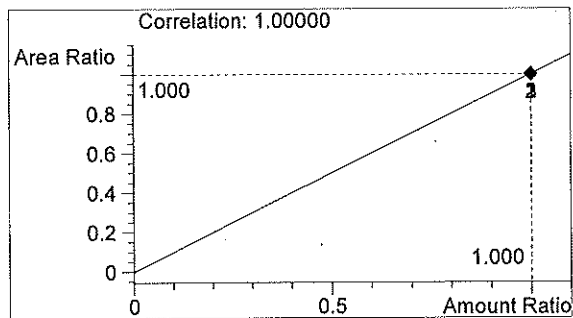
Inj. Date: 6/22/2017 5:10:14 PM Sample Name: gap 17046 #4
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 20
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1277	1.087
2	n-Propanol	2889	1.767



Ethanol 0.100 g/100mL *pot*

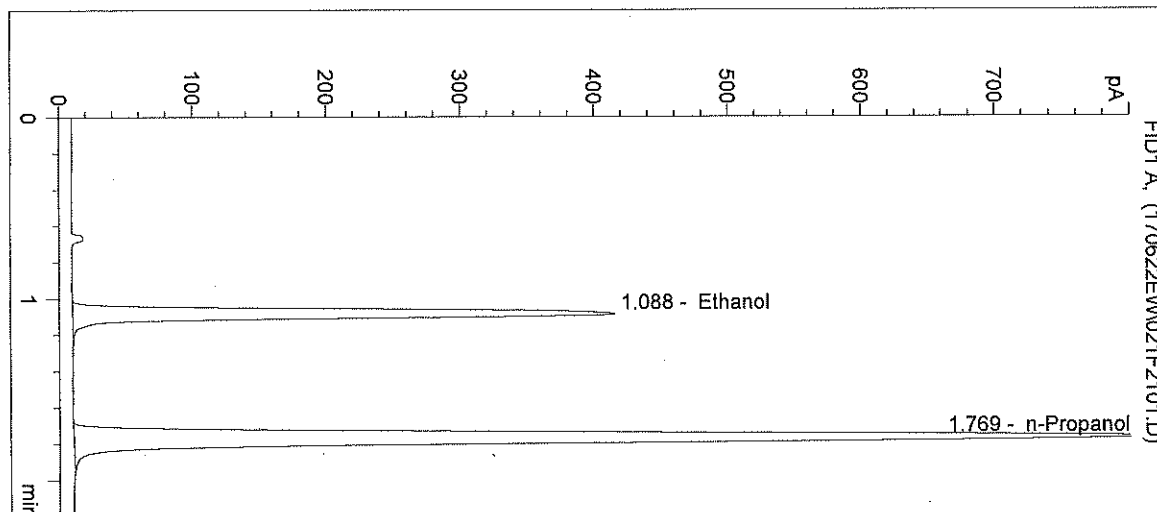


n-Propanol 0.012 g/100mL

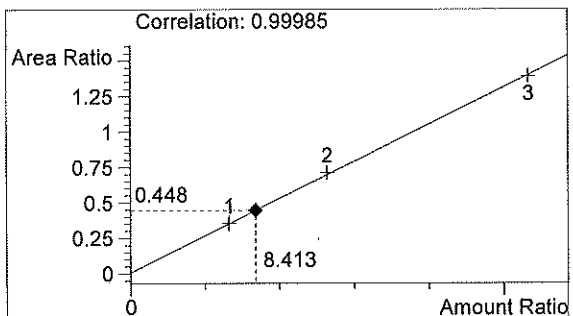
EW

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

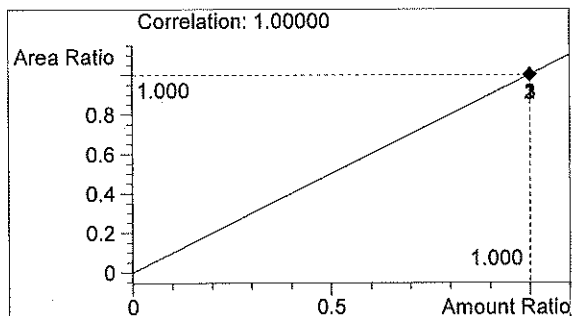
Inj. Date: 6/22/2017 5:13:28 PM Sample Name: gap 17046 #5
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 21
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1373	1.088
2	n-Propanol	3068	1.769



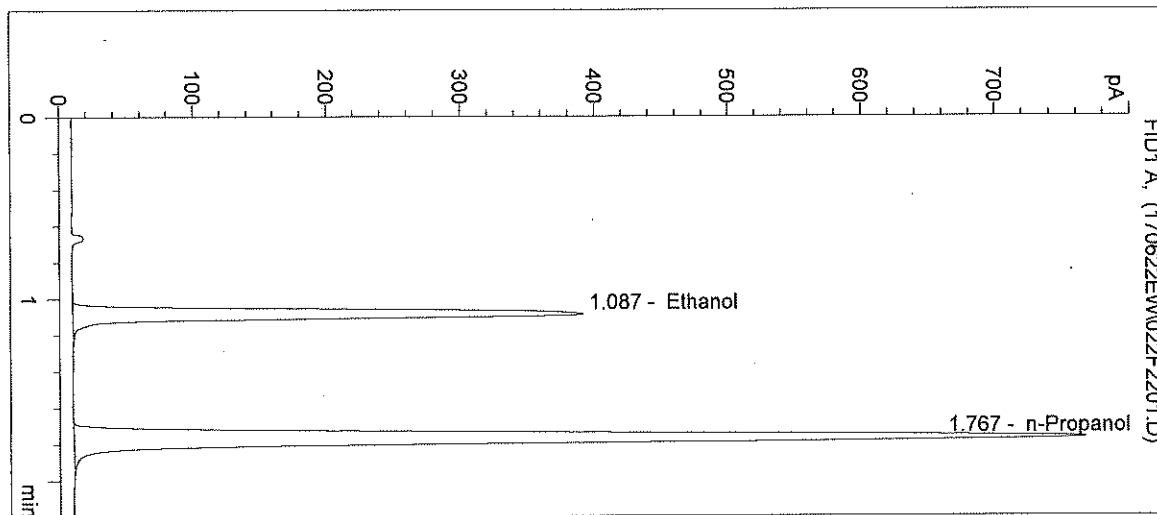
Ethanol 0.101 g/100mL *mt*



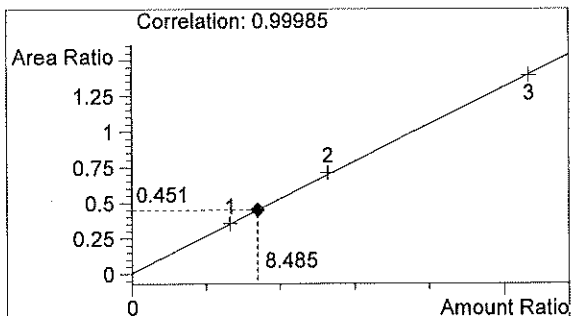
n-Propanol 0.012 g/100mL

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

Inj. Date: 6/22/2017 5:16:41 PM Sample Name: 0.10 ctrl
 Instrument: HSGC#1 Operator: Elizabeth Wehner
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: qap 17046

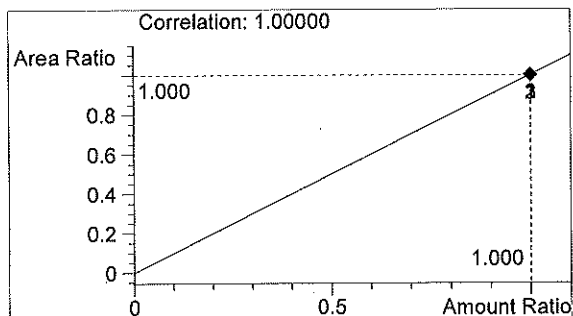


#	Compound	Peak Area	RT (min)
1	Ethanol	1288	1.087
2	n-Propanol	2854	1.767



Ethanol 0.102 g/100mL

EW



n-Propanol 0.012 g/100mL

EW

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

Inj. Date: 6/22/2017 5:19:54 PM

Sample Name: neg ctrl

Instrument: HSGC#1

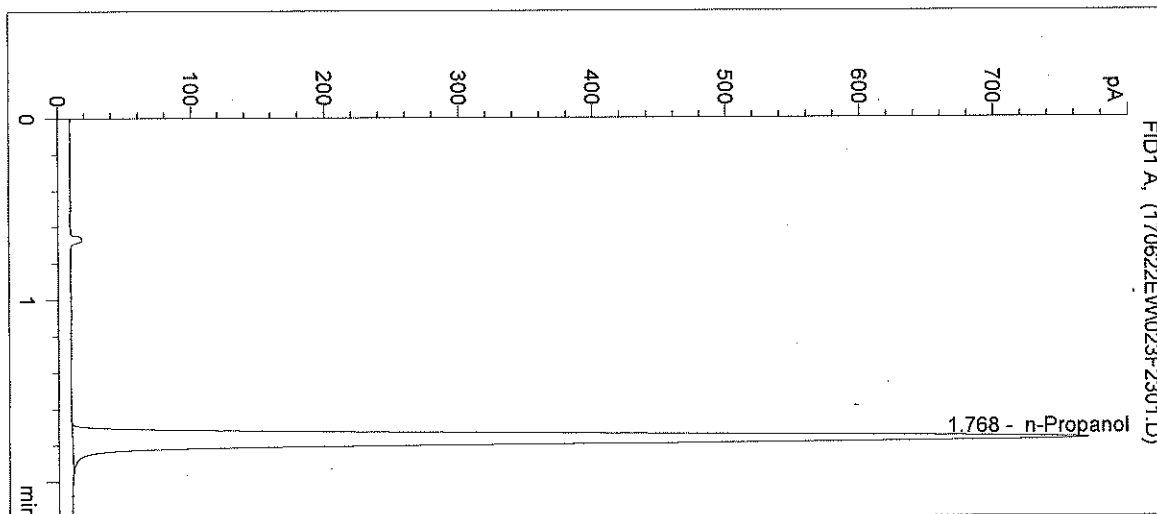
Operator: Elizabeth Wehner

Column: DB-ALC1

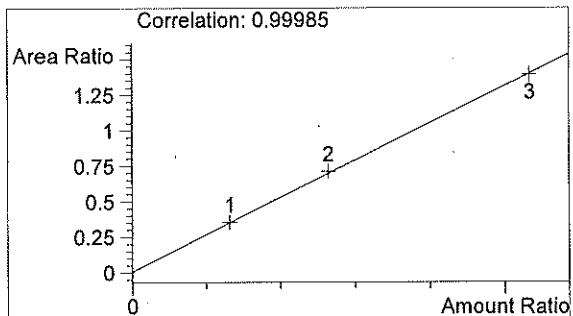
Location: Vial 23

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

Sample Info: gap 17046

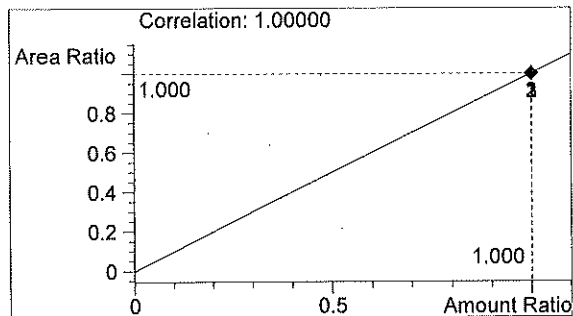


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2866	1.768



Ethanol 0.000 g/100mL

EW



n-Propanol 0.012 g/100mL

EW

Sequence Parameters:

Operator: Andrew Gingras
 Data File Naming: Auto
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170627A2
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

cal 1 e0217-01 exp 08/21/2017
 cal 2 e0217-02 exp 08/21/2017
 cal 3 e0217-03 exp 08/21/2017
 0.04 control - lot fn12181501 exp 12/2020
 0.10 control - lot fn08051301 exp 10/2018
 0.20 control - lot fn08101505 exp 02/2021
 istd p0517 exp 08/18/2016
 cal data in qap 17045
 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	qap 17045 #1	SIMALC1	1	Sample		
11	Vial 11	qap 17045 #2	SIMALC1	1	Sample		
12	Vial 12	qap 17045 #3	SIMALC1	1	Sample		
13	Vial 13	qap 17045 #4	SIMALC1	1	Sample		
14	Vial 14	qap 17045 #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	qap 17046 #1	SIMALC1	1	Sample		
18	Vial 18	qap 17046 #2	SIMALC1	1	Sample		
19	Vial 19	qap 17046 #3	SIMALC1	1	Sample		
20	Vial 20	qap 17046 #4	SIMALC1	1	Sample		
21	Vial 21	qap 17046 #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	qap 17047 #1	SIMALC1	1	Sample		
25	Vial 25	qap 17047 #2	SIMALC1	1	Sample		
26	Vial 26	qap 17047 #3	SIMALC1	1	Sample		
27	Vial 27	qap 17047 #4	SIMALC1	1	Sample		
28	Vial 28	qap 17047 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 ctrl	SIMALC1	1	Ctrl Samp		

I 7 0 4 6

AG
6/28/17

AG

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
30	Vial 30	neg ctrl	SIMALC1	1	Ctrl Samp		
31	Vial 31	qap 17048 #1	SIMALC1	1	Sample		
32	Vial 32	qap 17048 #2	SIMALC1	1	Sample		
33	Vial 33	qap 17048 #3	SIMALC1	1	Sample		
34	Vial 34	qap 17048 #4	SIMALC1	1	Sample		
35	Vial 35	qap 17048 #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	qap 17049 #1	SIMALC1	1	Sample		
39	Vial 39	qap 17049 #2	SIMALC1	1	Sample		
40	Vial 40	qap 17049 #3	SIMALC1	1	Sample		
41	Vial 41	qap 17049 #4	SIMALC1	1	Sample		
42	Vial 42	qap 17049 #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!

17048

BT
6/28/17

Handwritten signature

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

Inj. Date: 6/27/2017 9:35:22 AM

Sample Name: gap 17046 #1

Instrument: HSGC#1

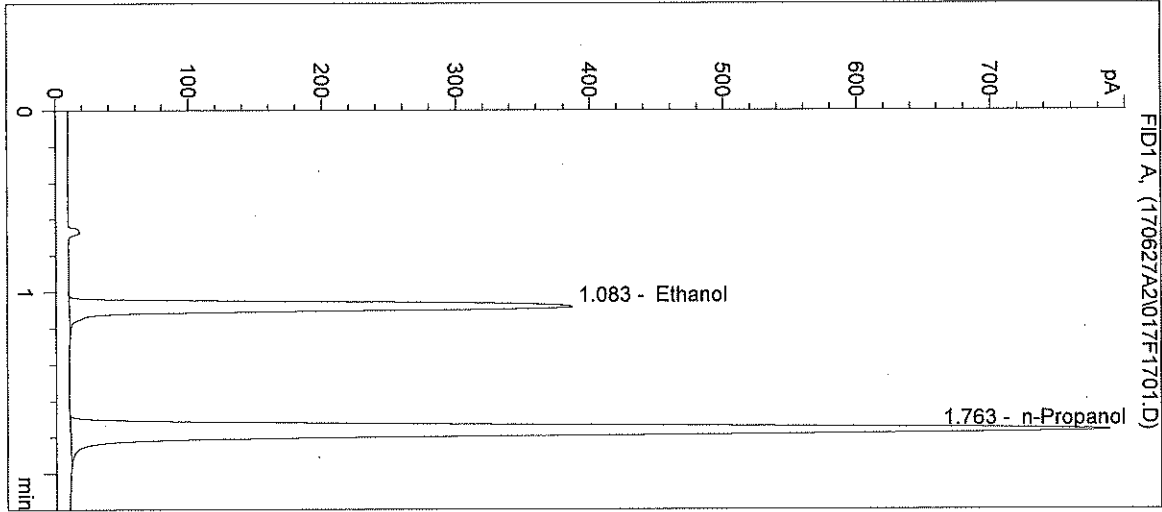
Operator: Andrew Gingras

Column: DB-ALC1

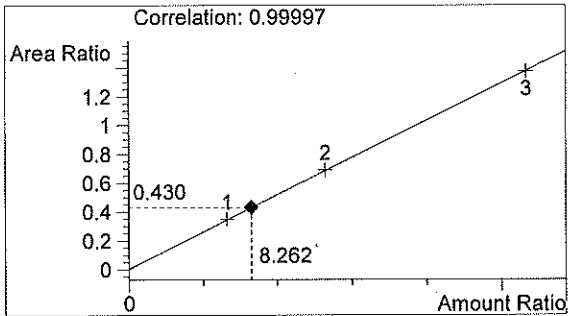
Location: Vial 17

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

Sample Info:

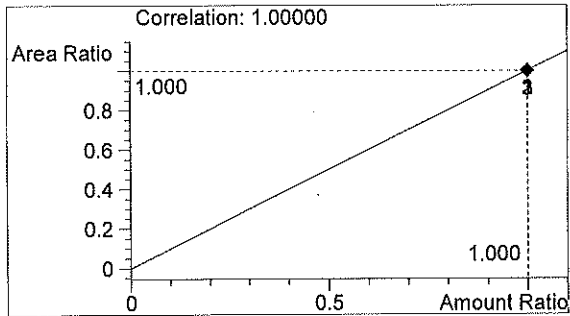


#	Compound	Peak Area	RT (min)
1	Ethanol	1248	1.083
2	n-Propanol	2901	1.763



Ethanol 0.099 g/100mL

Dot



n-Propanol 0.012 g/100mL

gc

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

Inj. Date: 6/27/2017 9:38:34 AM

Sample Name: qap 17046 #2

Instrument: HSGC#1

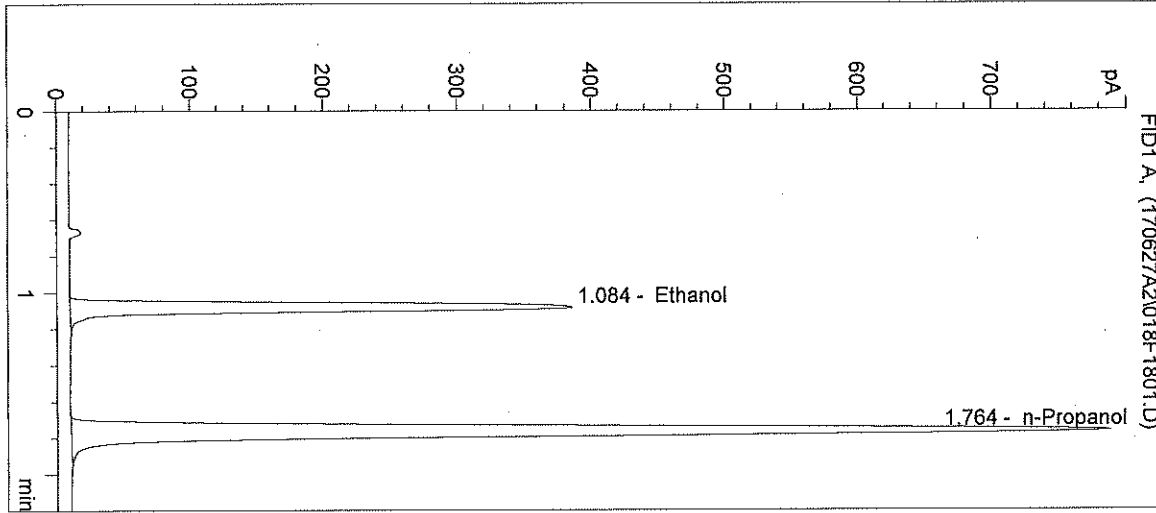
Operator: Andrew Gingras

Column: DB-ALC1

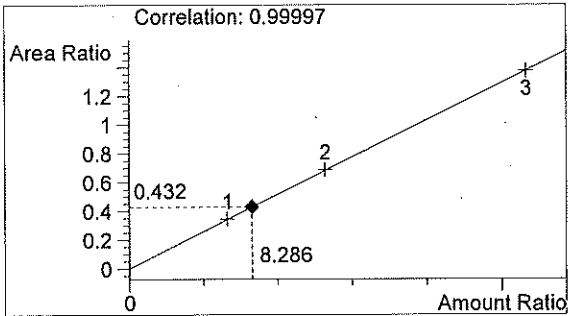
Location: Vial 18

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

Sample Info:

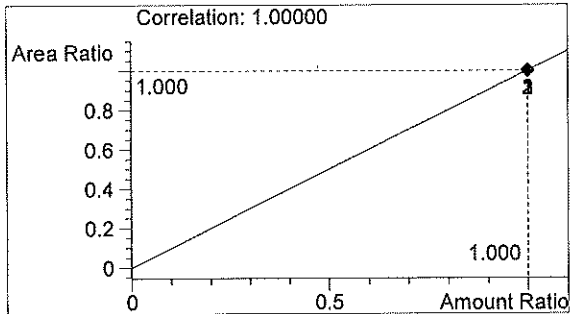


#	Compound	Peak Area	RT (min)
1	Ethanol	1251	1.084
2	n-Propanol	2899	1.764



Ethanol 0.099 g/100mL

POT

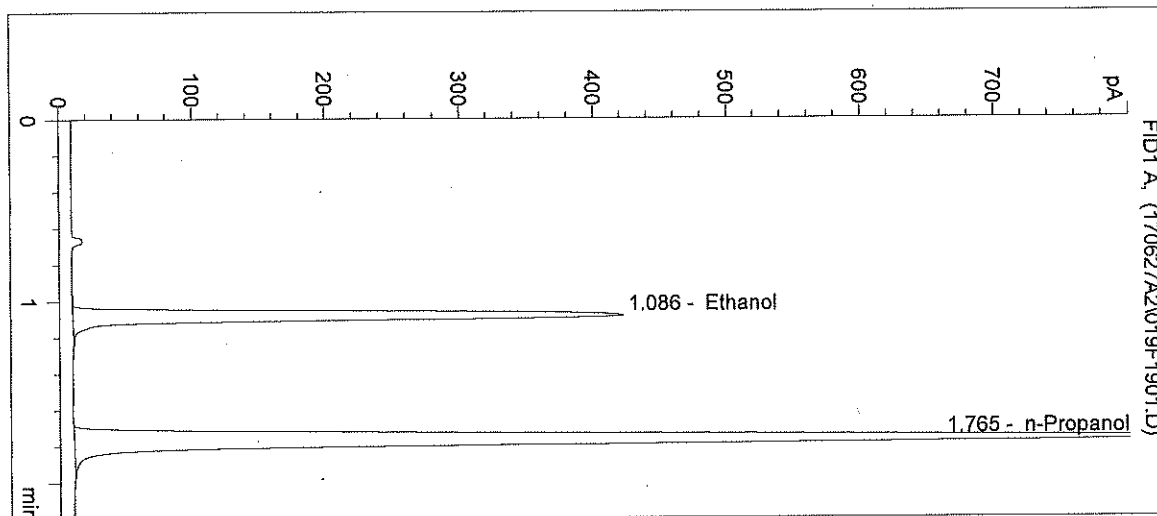


n-Propanol 0.012 g/100mL

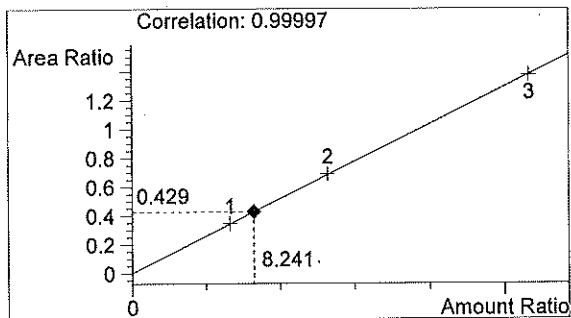
AG

Inj. Date: 6/27/2017 9:41:47 AM Sample Name: gap 17046 #3
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 19
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

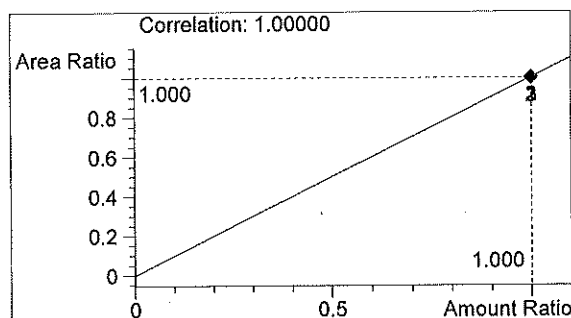


#	Compound	Peak Area	RT (min)
1	Ethanol	1373	1.086
2	n-Propanol	3198	1.765



Ethanol 0.099 g/100mL

pat

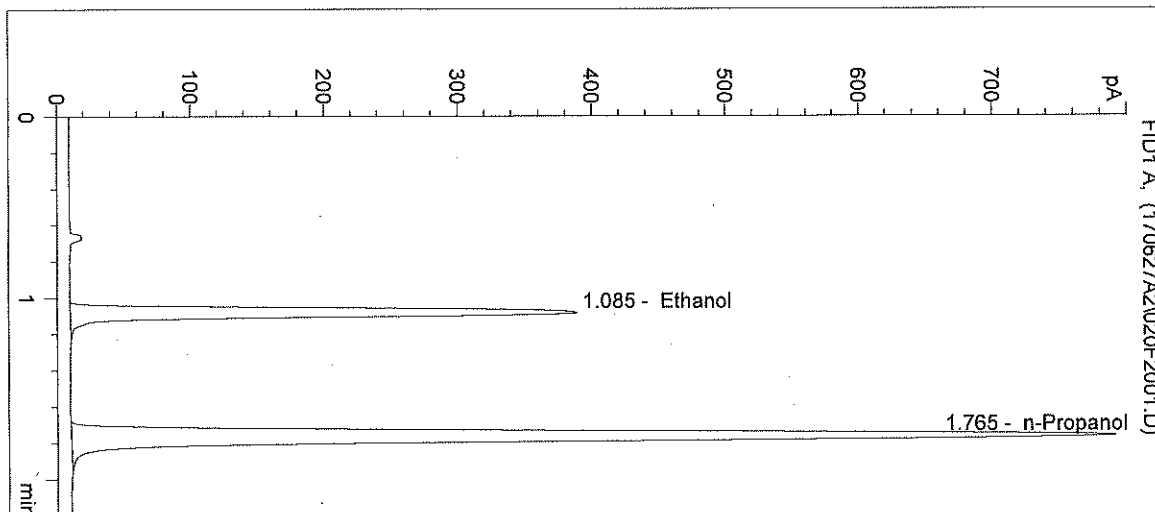


n-Propanol 0.012 g/100mL

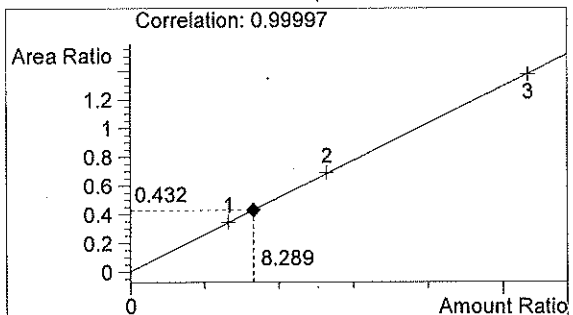
gc

Inj. Date: 6/27/2017 9:45:02 AM Sample Name: gap 17046 #4
 Instrument: HSGC#1 Operator: Andrew Gingras
 Column: DB-ALC1 Location: Vial 20
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

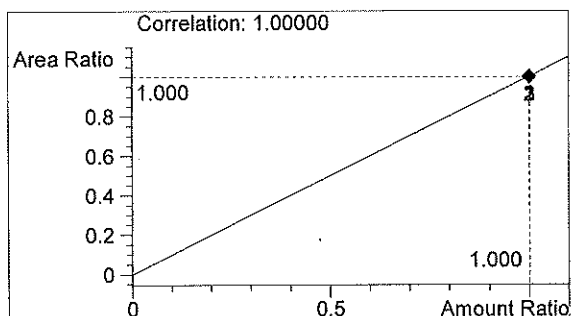


#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.085
2	n-Propanol	2918	1.765



Ethanol 0.099 g/100mL

PA



n-Propanol 0.012 g/100mL

AG

Inj. Date: 6/27/2017 9:48:15 AM

Sample Name: gap 17046 #5

Instrument: HSGC#1

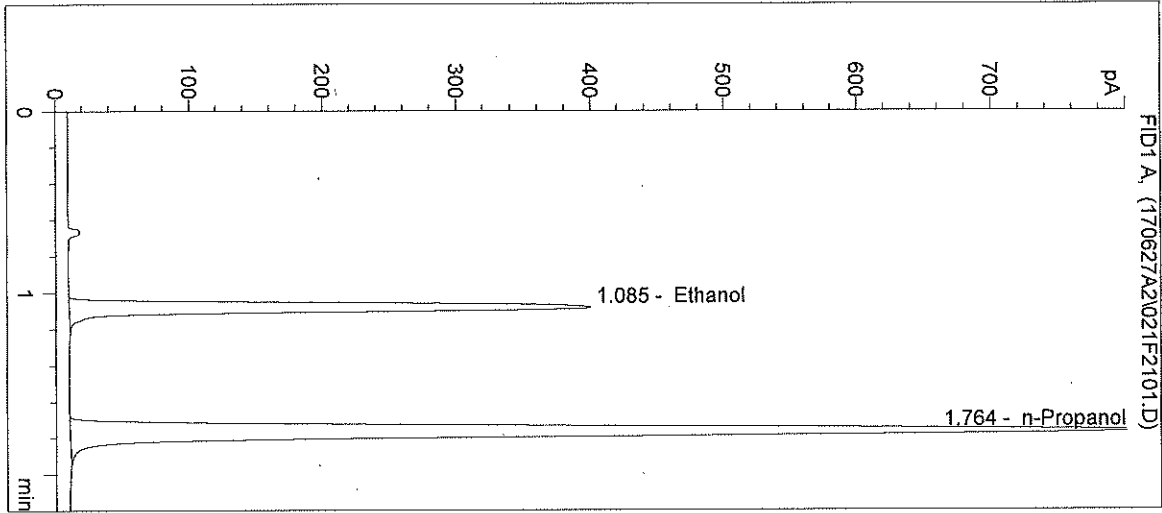
Operator: Andrew Gingras

Column: DB-ALC1

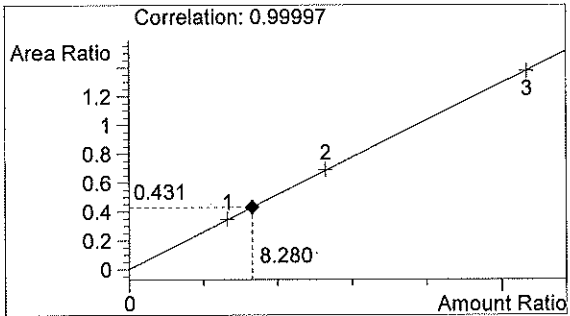
Location: Vial 21

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

Sample Info:

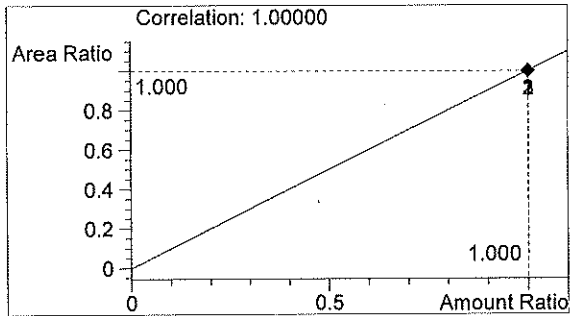


#	Compound	Peak Area	RT (min)
1	Ethanol	1294	1.085
2	n-Propanol	3000	1.764



Ethanol 0.099 g/100mL

Bot



n-Propanol 0.012 g/100mL

AG

Inj. Date: 6/27/2017 9:51:27 AM

Sample Name: 0.10 ctrl

Instrument: HSGC#1

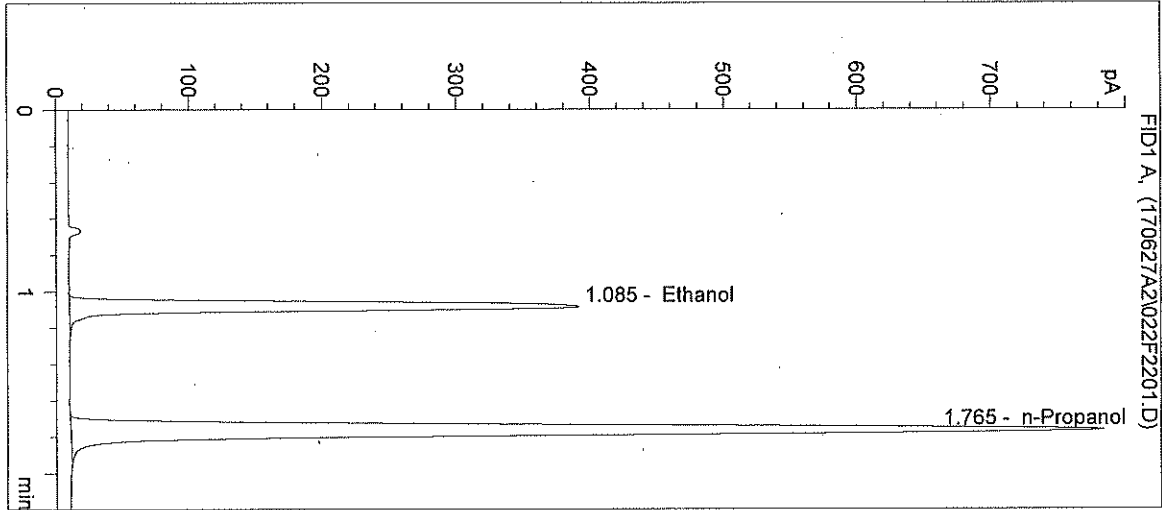
Operator: Andrew Gingras

Column: DB-ALC1

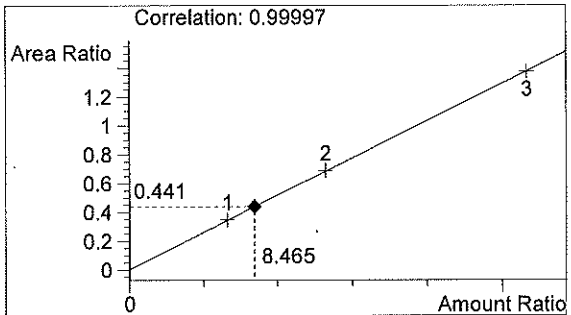
Location: Vial 22

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

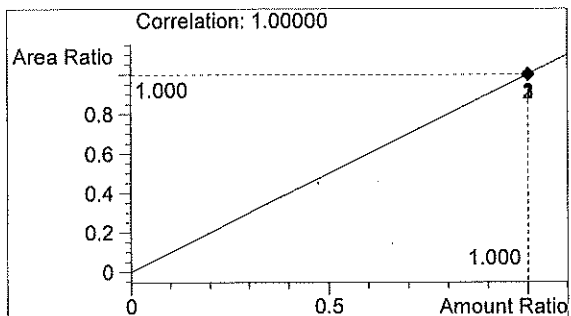
Sample Info: qap 17046



#	Compound	Peak Area	RT (min)
1	Ethanol	1274	1.085
2	n-Propanol	2890	1.765



Ethanol 0.102 g/100mL *pat*



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 6/27/2017 9:54:40 AM

Sample Name: neg ctrl

Instrument: HSGC#1

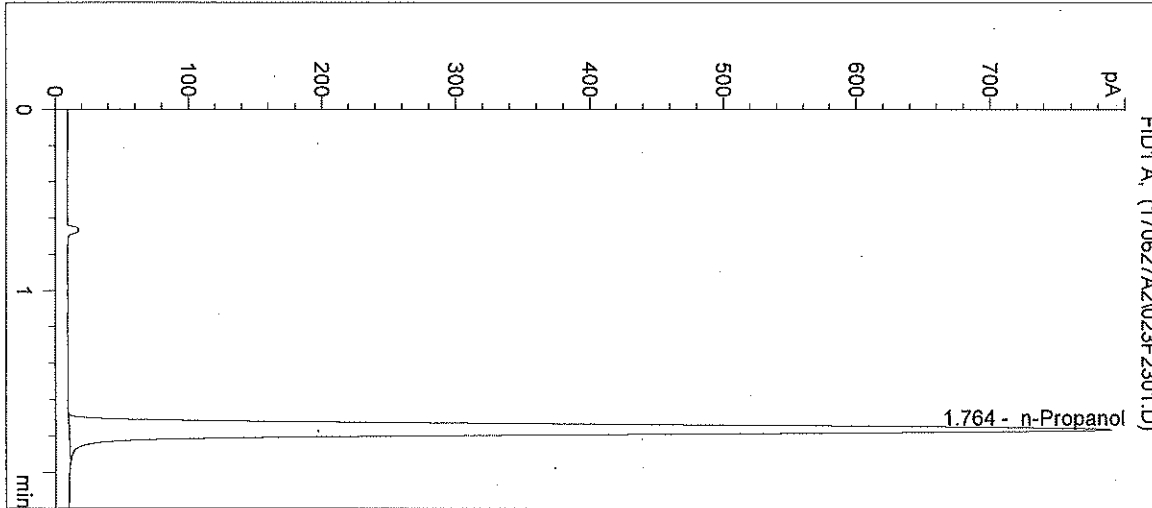
Operator: Andrew Gingras

Column: DB-ALC1

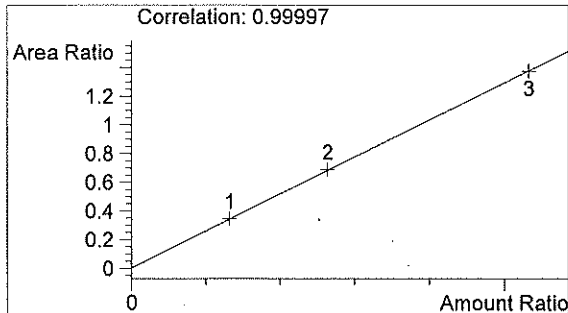
Location: Vial 23

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

Sample Info: gap 17046

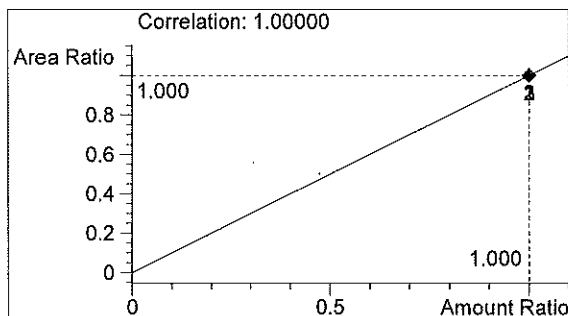


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2909	1.764



Ethanol 0.000 g/100mL

BA



n-Propanol 0.012 g/100mL

AG