



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16041

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: 10/21/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Andrew Gingras

	AG	EW	NN
1	0.100	0.102	0.101
2	0.101	0.102	0.101
3	0.101	0.102	0.101
4	0.100	0.102	0.102
5	0.101	0.102	0.101
C	0.102	0.103	0.104

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1013 g/100mL PRECISION CV (%): 0.69
STANDARD DEVIATION: 0.00070 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0823 g/210L**
EXPANDED UNCERTAINTY: ± 0.0020 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly

Brianne E. O'Reilly

Technical Lead

10-27-16

DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AG	Andrew Gingras	<i>Andrew Gingras</i>	10/21/2016
EW	Elizabeth Wehner	<i>Elizabeth Wehner</i>	10/21/2016
NN	Naziha Nuwayhid	<i>Naziha Nuwayhid</i>	10/24/2016

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

QAP Solution Batch #: 16041

Date Prepared: 10/21/2016

Analyst:	AG	EW	NN
Date Tested:	10/21/2016	10/21/2016	10/24/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.100	0.102	0.101
2	0.101	0.102	0.101
3	0.101	0.102	0.101
4	0.100	0.102	0.102
5	0.101	0.102	0.101
C	0.102	0.103	0.104

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000032195	0.0000314199	0.0001016326

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

Average Solution Concentration: 0.1013 g/100mL
Standard Deviation: 0.00070 g/100mL
Precision CV (%): 0.69
Equivalent Vapor Concentration: 0.0823 g/210L
Combined Standard Uncertainty (\pm): 0.0010 g/210L
Expanded Uncertainty (\pm): 0.0020 coverage factor (k) = 2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne E. O'Reilly 10-26-16
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 10-28-16
Name Signature Date

Method: Hand Calculation

Tech. review performed by: Brianne E. O'Reilly Brianne E. O'Reilly 10-26-16
Name Signature Date

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 10-28-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16041

	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: 10-28-16

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>	<i>10/27/16</i>
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	<i>EW</i>	<i>10/27/16</i>
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid	<i>NN</i>	<i>10.27.16</i>
Rebecca Flaherty		

Batch # 16041 BUO 10-26-16

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 16041**

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 16041, was prepared in the Washington State Toxicology Laboratory on 10/21/2016. 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 10/21/2017.

Seattle, WA

 10/27/16

Andrew Gingras

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 16041**

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 16041, was prepared in the Washington State Toxicology Laboratory on 10/21/2016. 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 10/21/2017.

Seattle, WA

Elizabeth Wehner 10/27/16

Elizabeth Wehner

Date

Forensic Scientist



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

Preparation Date: 10/21/2016 Expiration Date: 10/21/2017 Initials of Preparer: SG

Lot # of 200-proof Ethanol used in preparation: 2DK0010

Date the 200-proof Ethanol bottle was opened: 8/8/16 & 10/21/16

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

Environmental conditions verified as acceptable:

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	<input type="checkbox"/>	
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>16041</u>
QAP 0.10	28.1	18	<input type="checkbox"/>	
QAP 0.15	42.1	18	<input type="checkbox"/>	
QAP 0.20	56.1	18	<input type="checkbox"/>	
ESS	66.5	52	<input type="checkbox"/>	

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed 10/21/16
Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

[Signature]
Analyst Signature

10/21/16
Date

BWD

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: 161021AG
 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

n-Propanol ISTD - LOT# P0916 - 12/21/2016
 CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16040
 Dilutor #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 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #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 16042 #1	SIMALC1	1	Sample		

16041
 BUO 10-26-16

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	QAP 16042 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16042 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16042 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16042 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	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!

BUO 10-26-16
~~16042~~

16041
BUO 10-26-16

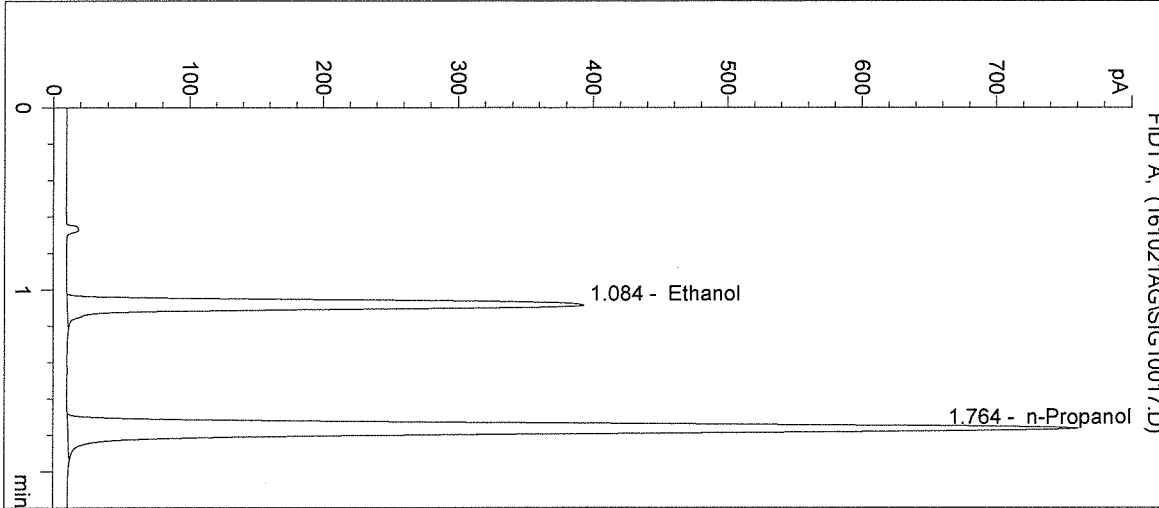
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2016 9:12:27 AM
Instrument: HSGC#1

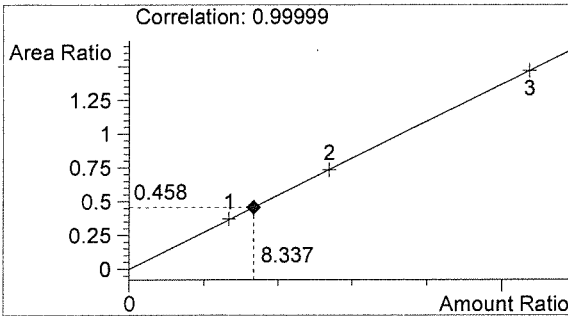
Sample Name: QAP 16041 #1
Operator: Andrew Gingras
Location: Vial 17

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

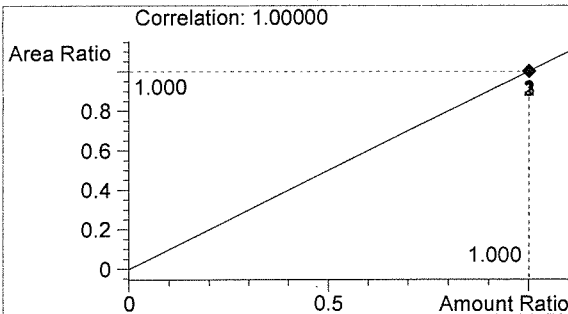
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1295	1.084
2	n-Propanol	2827	1.764



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

AW

[Handwritten signature]

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

Inj. Date: 10/21/2016 9:15:41 AM

Sample Name: QAP 16041 #2

Instrument: HSGC#1

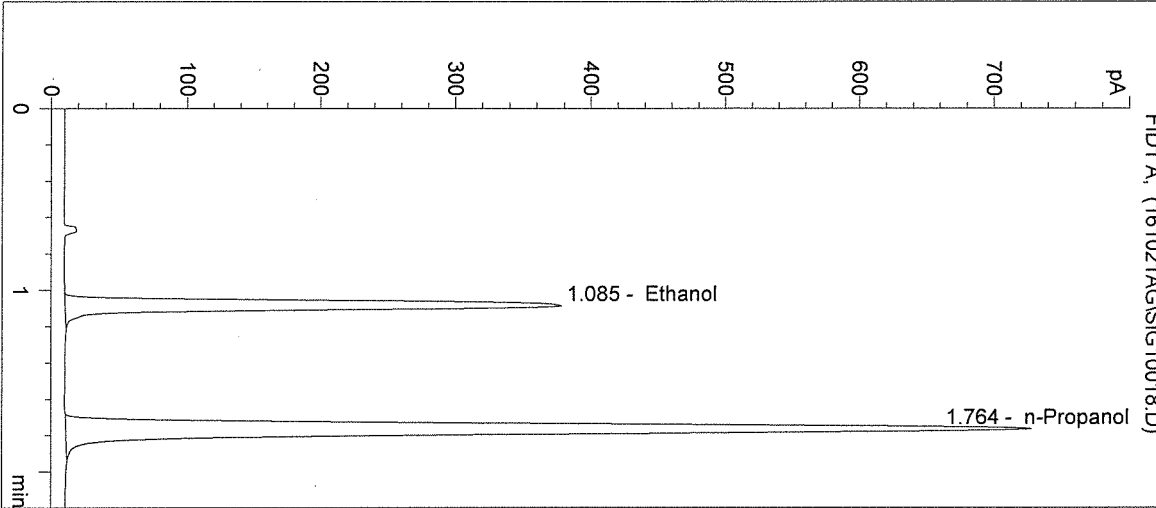
Operator: Andrew Gingras

Column: DB-ALC1

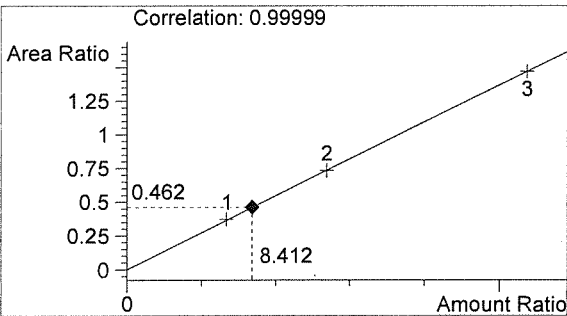
Location: Vial 18

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

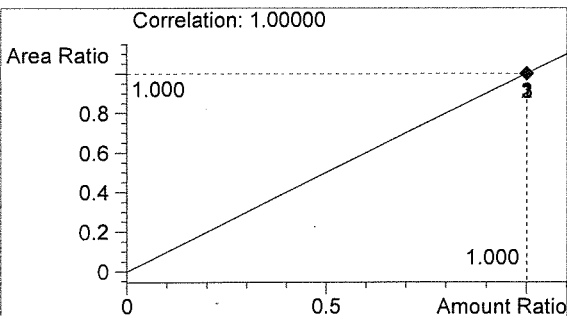
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.085
2	n-Propanol	2713	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

[Handwritten signature]

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

Inj. Date: 10/21/2016 9:18:54 AM

Sample Name: QAP 16041 #3

Instrument: HSGC#1

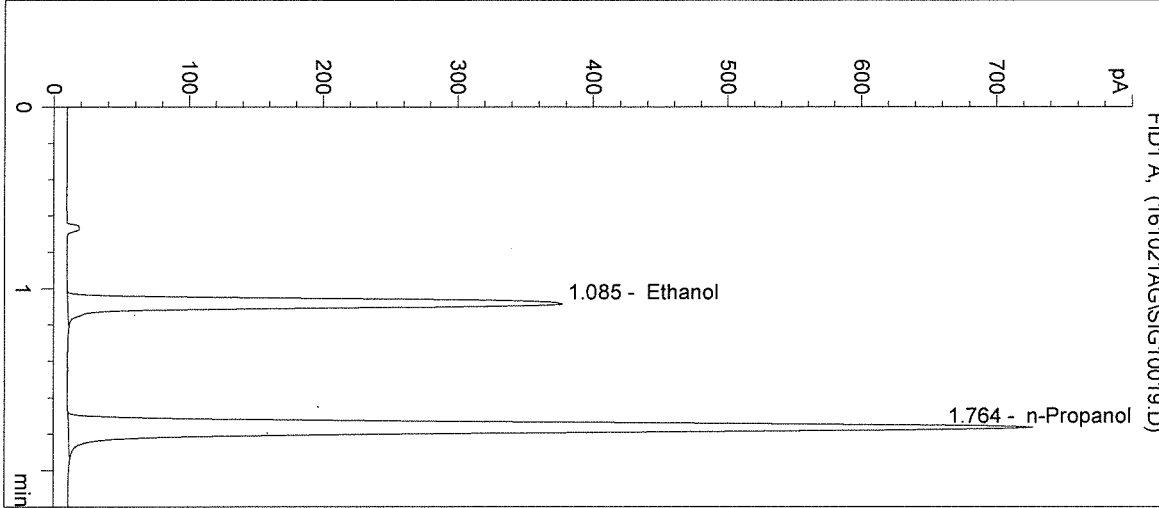
Operator: Andrew Gingras

Column: DB-ALC1

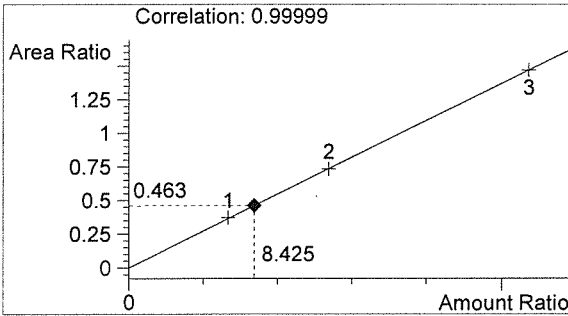
Location: Vial 19

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

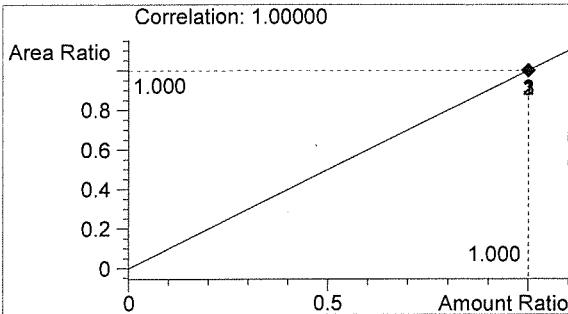
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.085
2	n-Propanol	2702	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Puo

AG

Inj. Date: 10/21/2016 9:22:07 AM

Sample Name: QAP 16041 #4

Instrument: HSGC#1

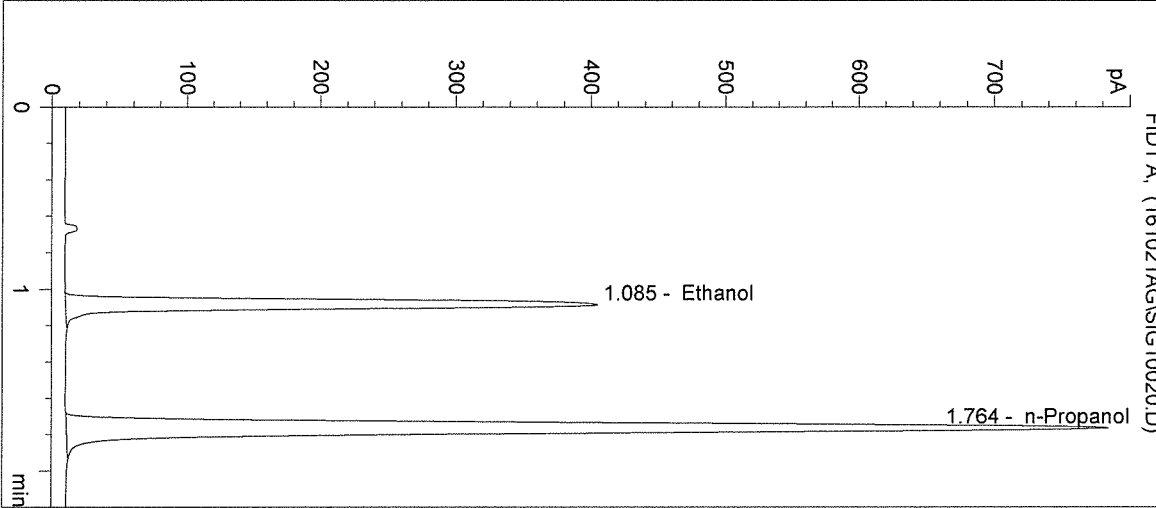
Operator: Andrew Gingras

Column: DB-ALC1

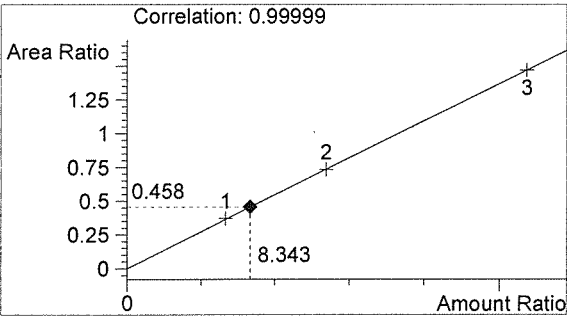
Location: Vial 20

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

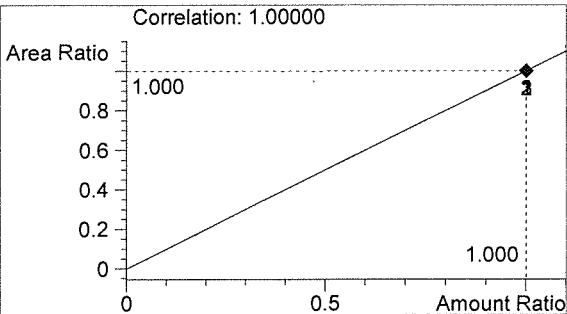
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1334	1.085
2	n-Propanol	2910	1.764



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

AW

AG

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

Inj. Date: 10/21/2016 9:25:20 AM

Sample Name: QAP 16041 #5

Instrument: HSGC#1

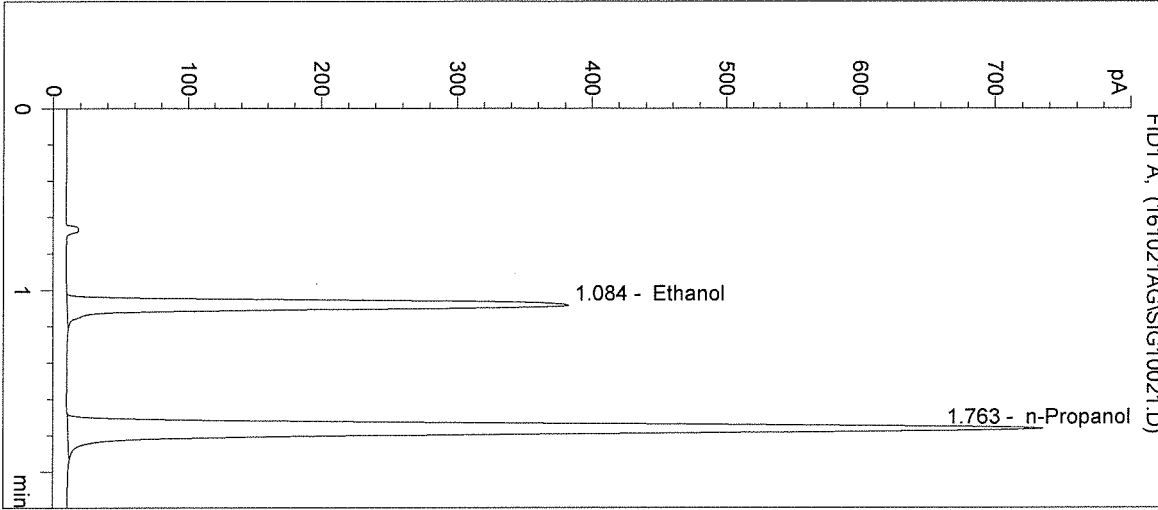
Operator: Andrew Gingras

Column: DB-ALC1

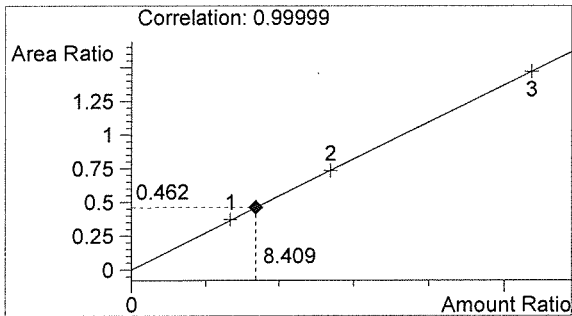
Location: Vial 21

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

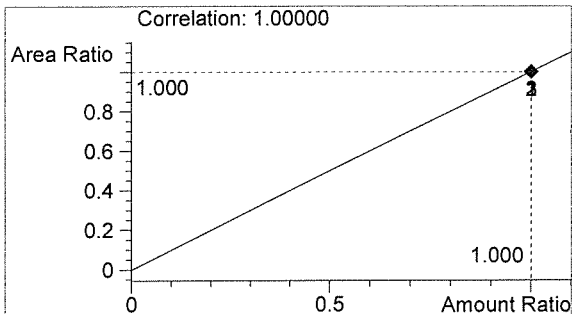
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1257	1.084
2	n-Propanol	2722	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

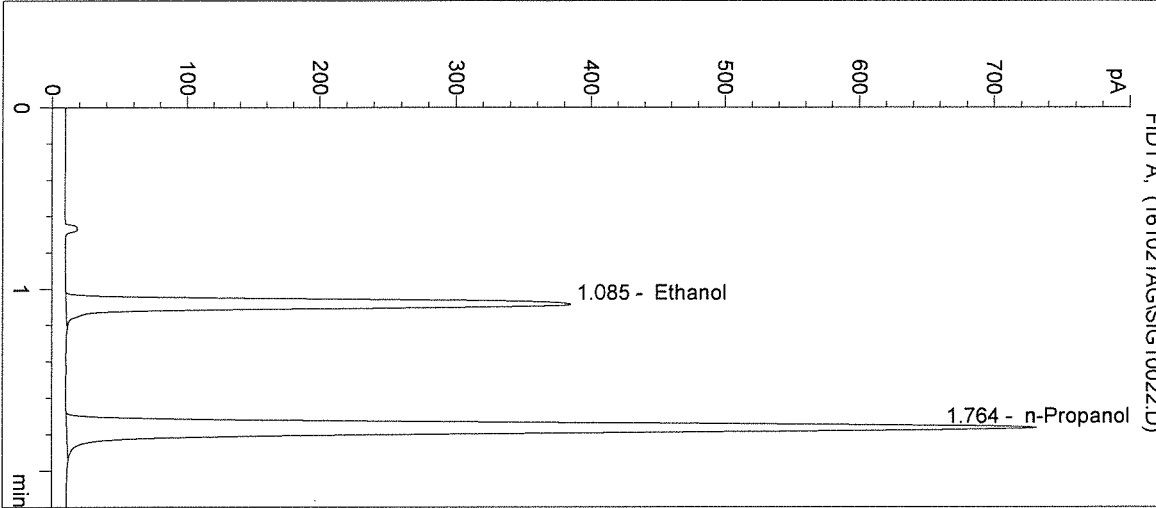
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/21/2016 9:28:33 AM
Instrument: HSGC#1

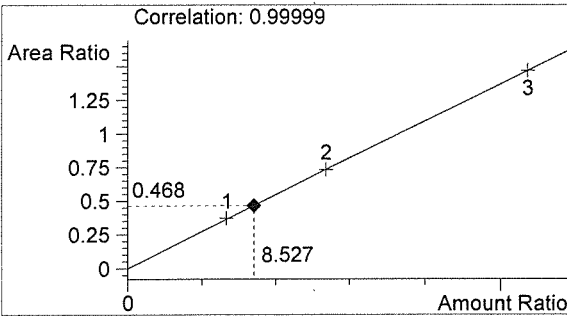
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 22

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

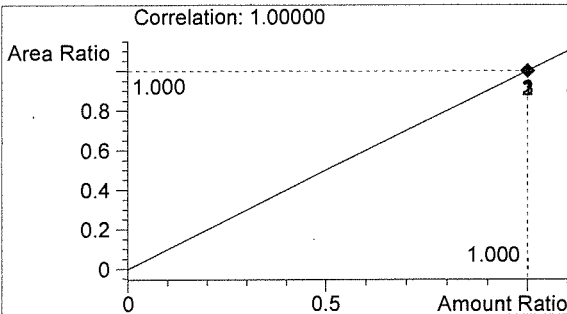
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	1274	1.085
2	n-Propanol	2719	1.764



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AW

AG

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

Inj. Date: 10/21/2016 9:31:47 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

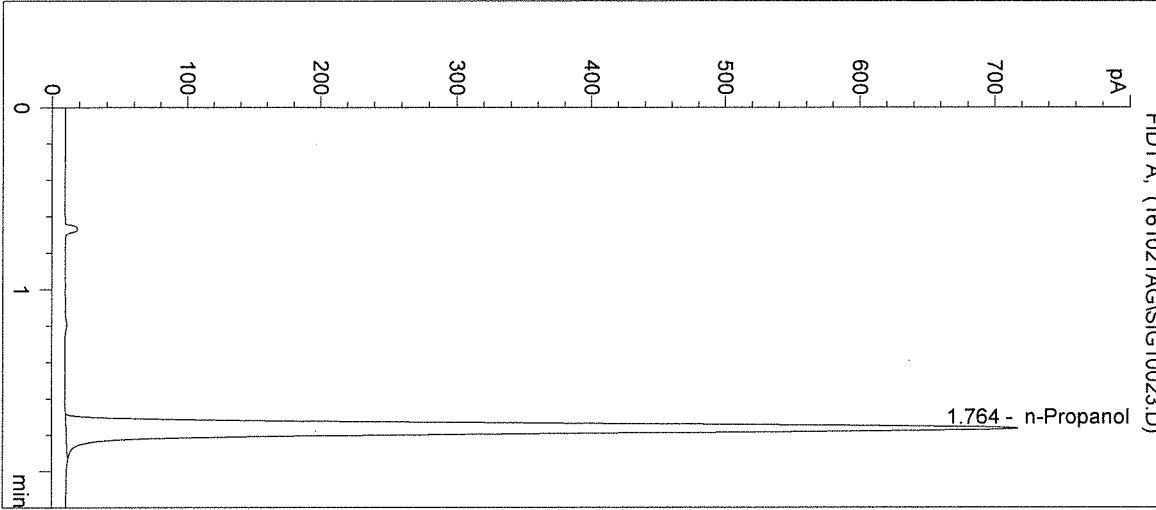
Operator: Andrew Gingras

Column: DB-ALC1

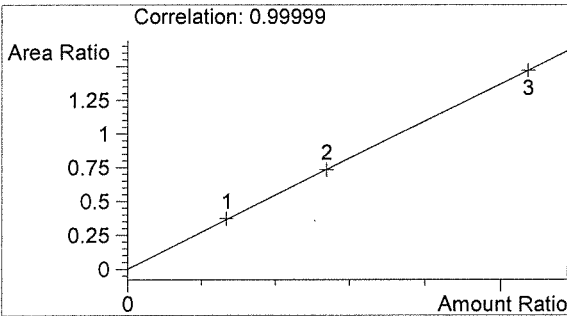
Location: Vial 23

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

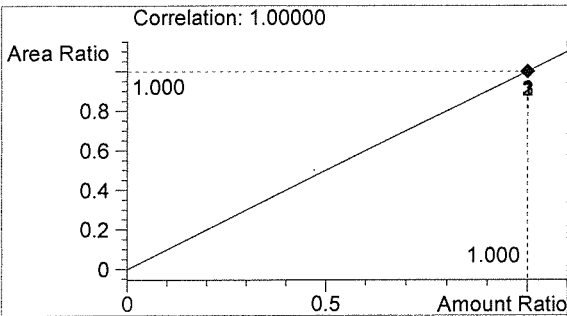
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2668	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

AW

AG

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: 161021EW
 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

n-Propanol ISTD - LOT# P0916 - 12/21/2016

CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16040
 Dilutor #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 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

= 16041
 BUO 10-26-14

EW

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16042 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16042 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16042 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16042 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16042 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	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!

- 16041
BUO 10-26-16

EW

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

Inj. Date: 10/21/2016 2:07:13 PM

Sample Name: QAP 16041 #1

Instrument: HSGC#1

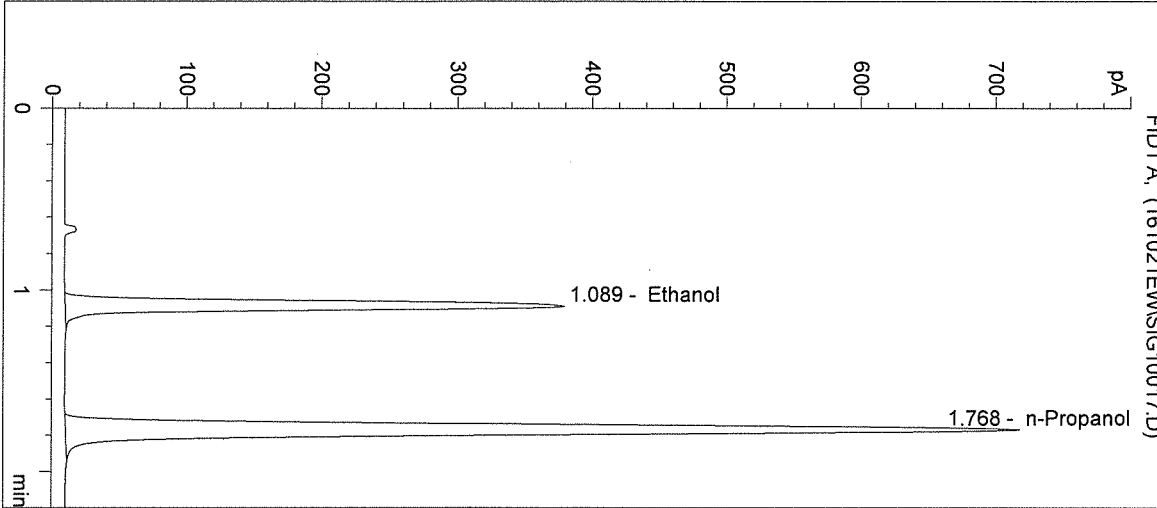
Operator: Elizabeth Wehner

Column: DB-ALC1

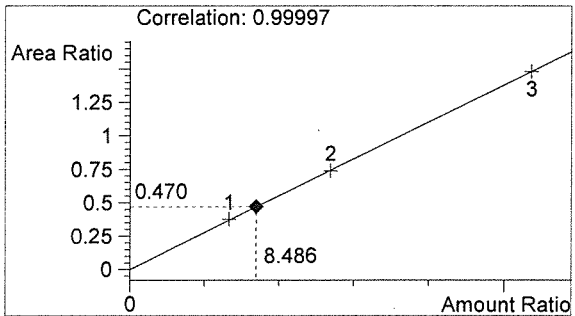
Location: Vial 17

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

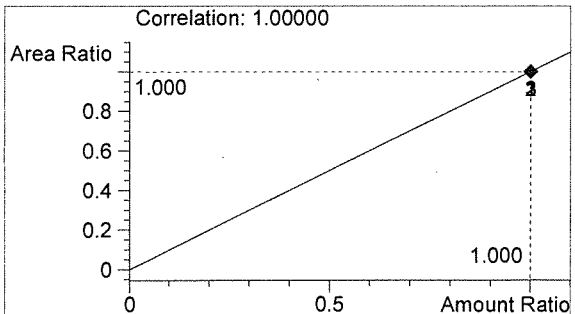
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.089
2	n-Propanol	2685	1.768



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

Buo

EW

Inj. Date: 10/21/2016 2:10:26 PM

Sample Name: QAP 16041 #2

Instrument: HSGC#1

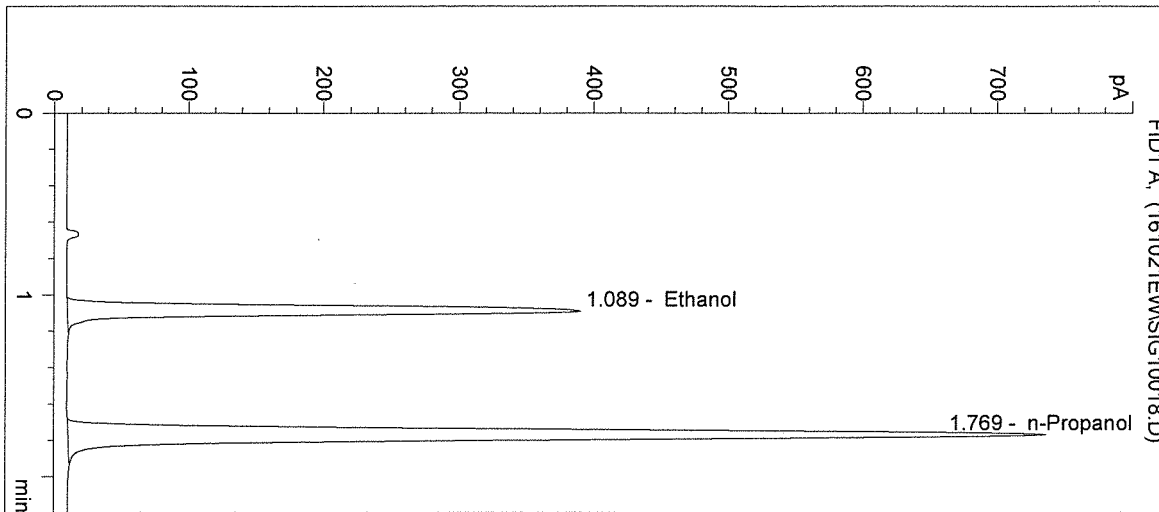
Operator: Elizabeth Wehner

Column: DB-ALC1

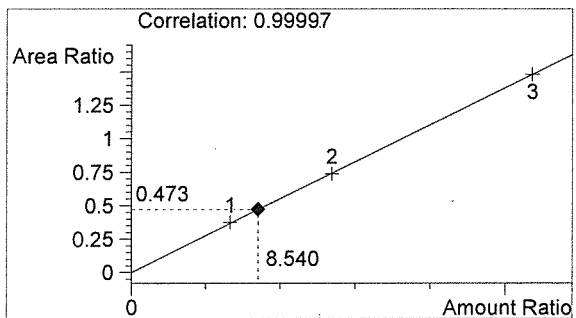
Location: Vial 18

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

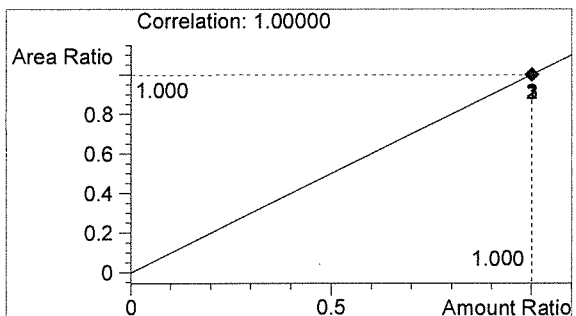
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1304	1.089
2	n-Propanol	2758	1.769



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

Raw

EW

Inj. Date: 10/21/2016 2:13:40 PM

Sample Name: QAP 16041 #3

Instrument: HSGC#1

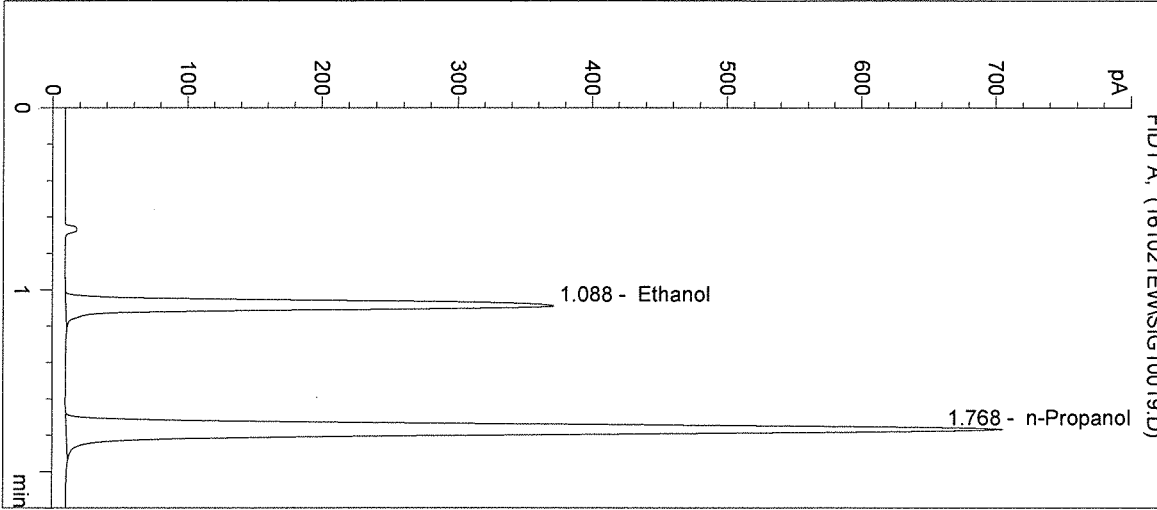
Operator: Elizabeth Wehner

Column: DB-ALC1

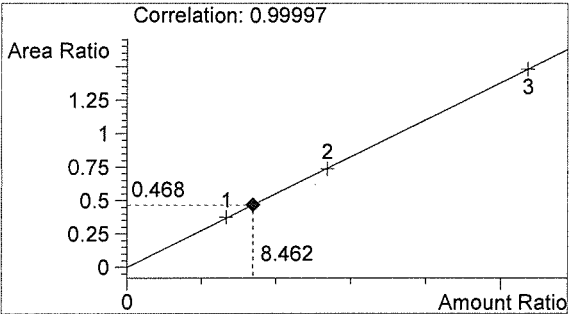
Location: Vial 19

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

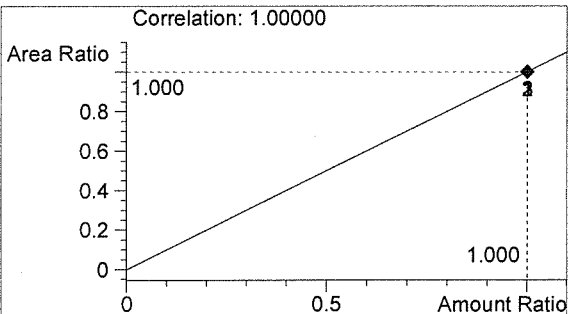
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.088
2	n-Propanol	2633	1.768



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

BW

EW

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

Inj. Date: 10/21/2016 2:16:53 PM

Sample Name: QAP 16041 #4

Instrument: HSGC#1

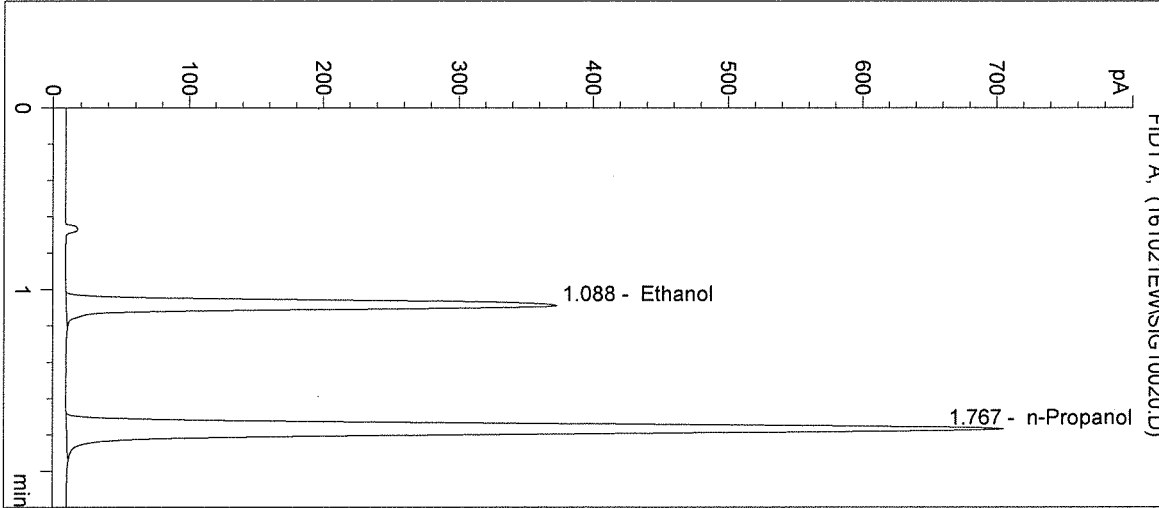
Operator: Elizabeth Wehner

Column: DB-ALC1

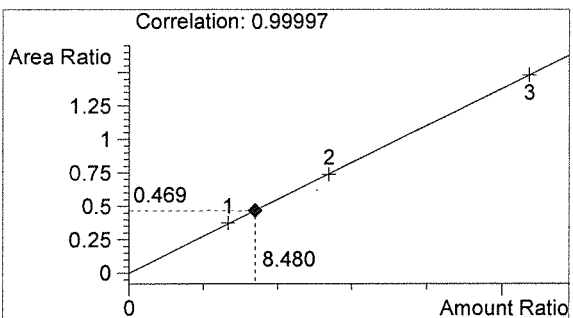
Location: Vial 20

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

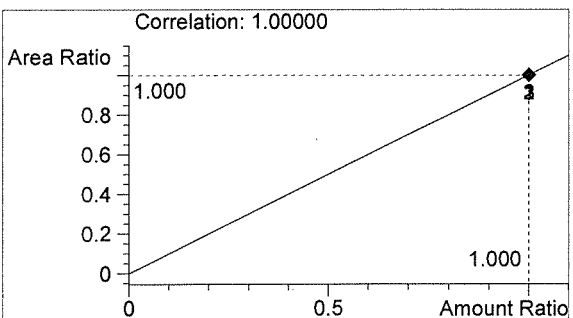
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1238	1.088
2	n-Propanol	2637	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

BW

EW

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

Inj. Date: 10/21/2016 2:20:06 PM

Sample Name: QAP 16041 #5

Instrument: HSGC#1

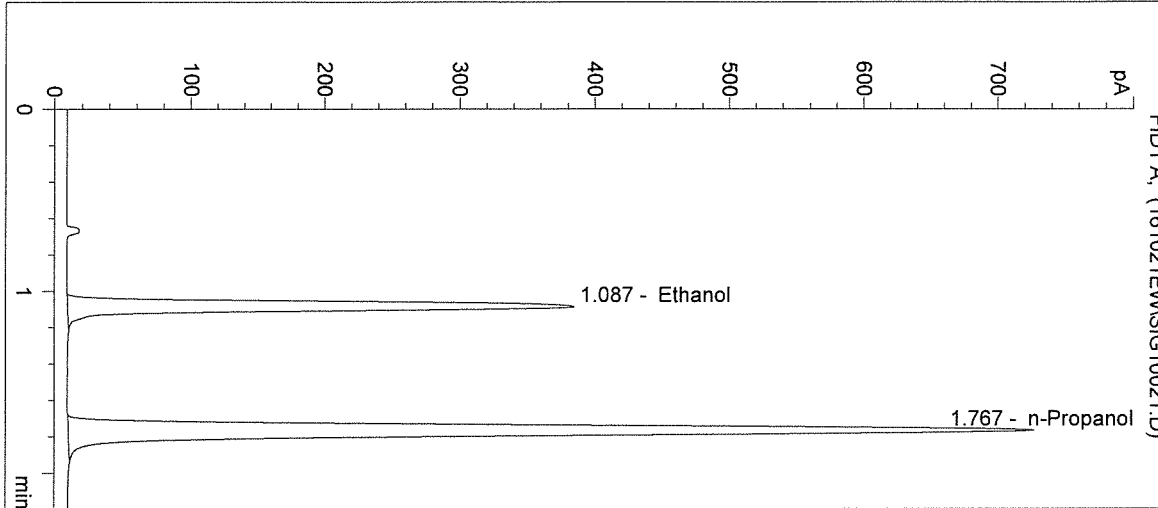
Operator: Elizabeth Wehner

Column: DB-ALC1

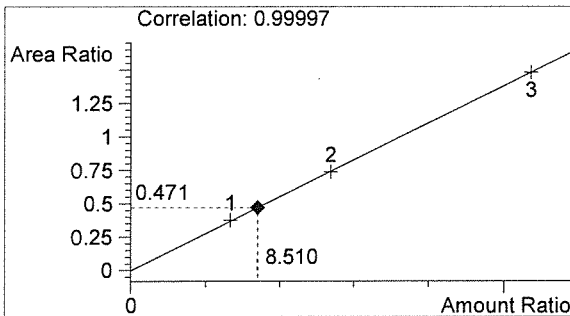
Location: Vial 21

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

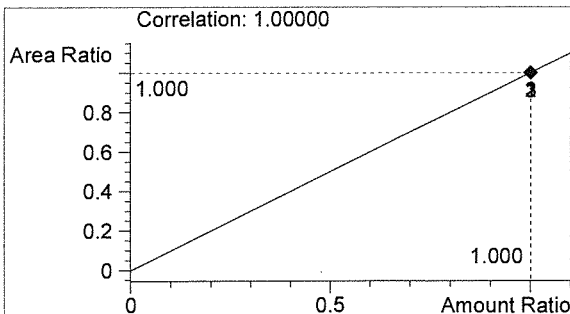
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1276	1.087
2	n-Propanol	2708	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

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

Inj. Date: 10/21/2016 2:23:20 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

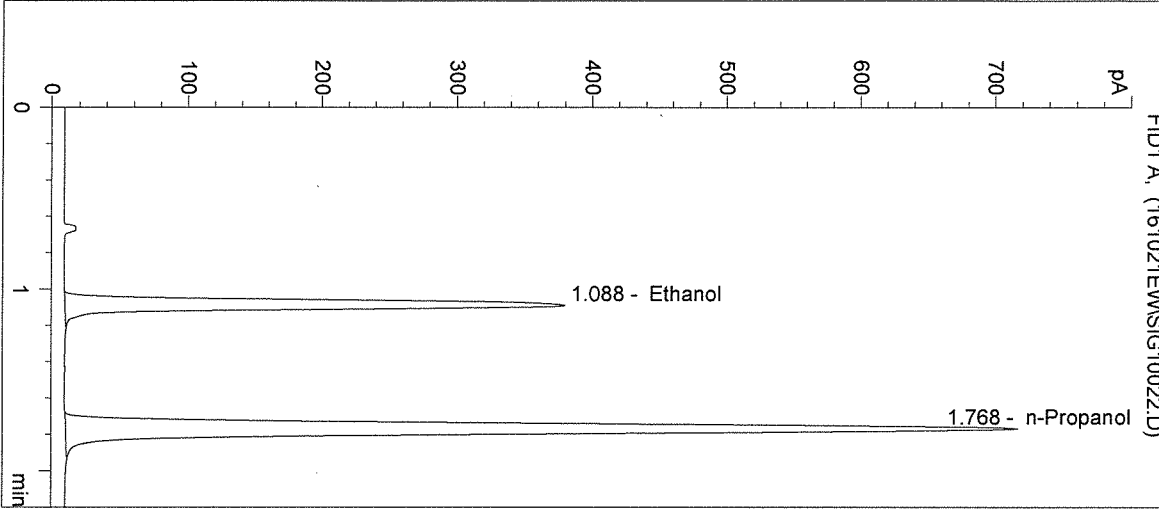
Operator: Elizabeth Wehner

Column: DB-ALC1

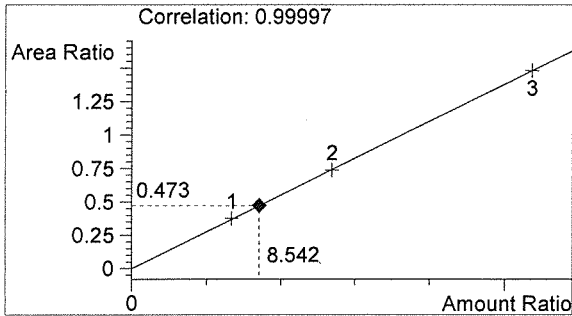
Location: Vial 22

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

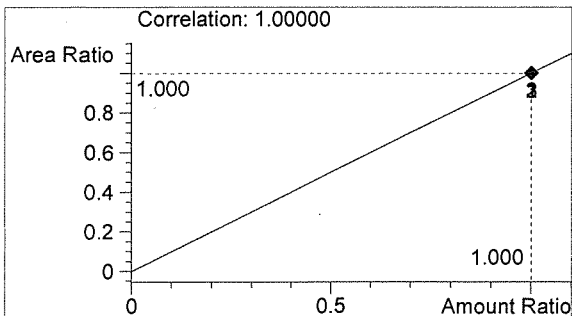
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.088
2	n-Propanol	2678	1.768



Ethanol 0.103 g/100mL



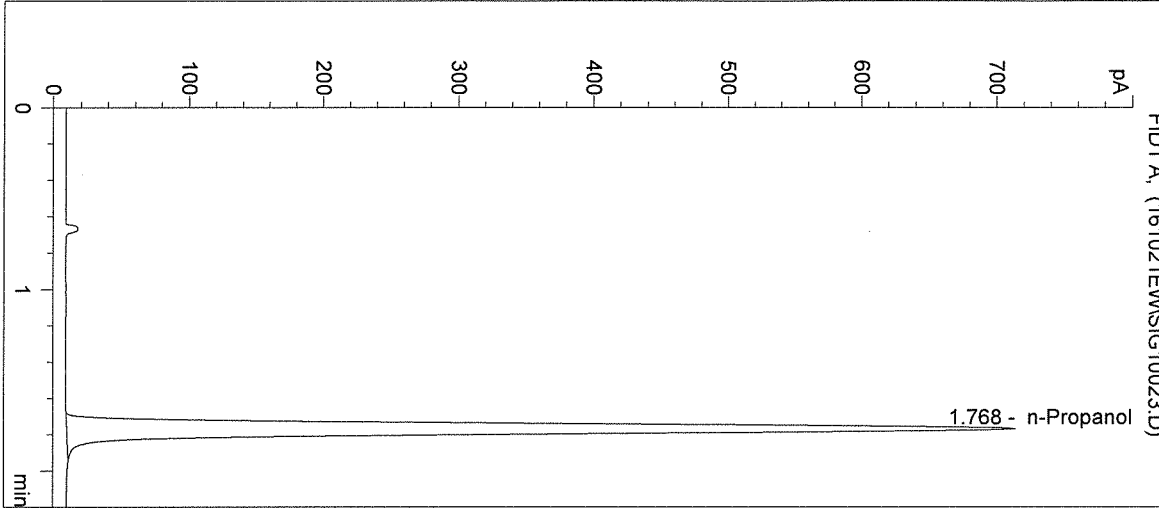
n-Propanol 0.012 g/100mL

AW

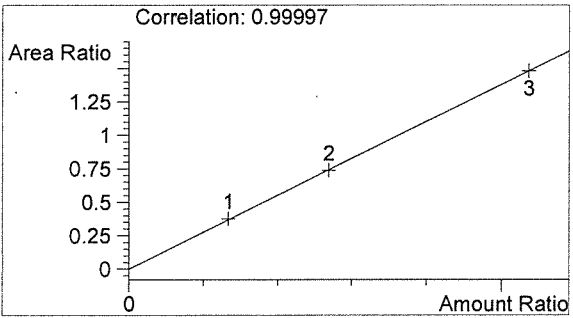
EW

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

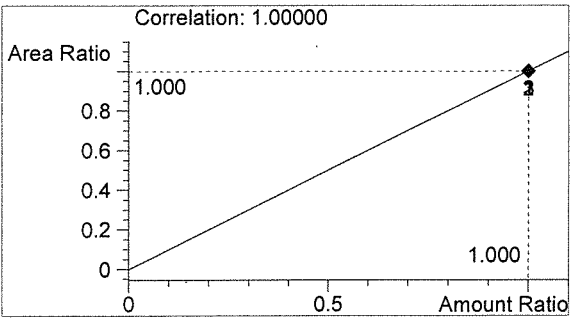
Inj. Date: 10/21/2016 2:26:33 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Elizabeth Wehner
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2679	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

AW

EW

Sequence Parameters:

Operator: Naziha Nuwayhid, PhD
 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: 161024N2
 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

n-Propanol ISTD - LOT# P0916 - 12/21/2016

CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 5/2018
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls vials 1-9 filed with 16040 Dilutor #1.

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 16040 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16040 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16040 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16040 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16040 #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 16041 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16041 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16041 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16041 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16041 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

REC 10-26-16
~~1604~~

16041
 REC 10-26-16

MW

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!

16041
Paw 10-26-16

Paw 10-26-16
~~161024 N2~~

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

Inj. Date: 10/24/2016 12:44:43 PM

Sample Name: QAP 16041 #1

Instrument: HSGC#1

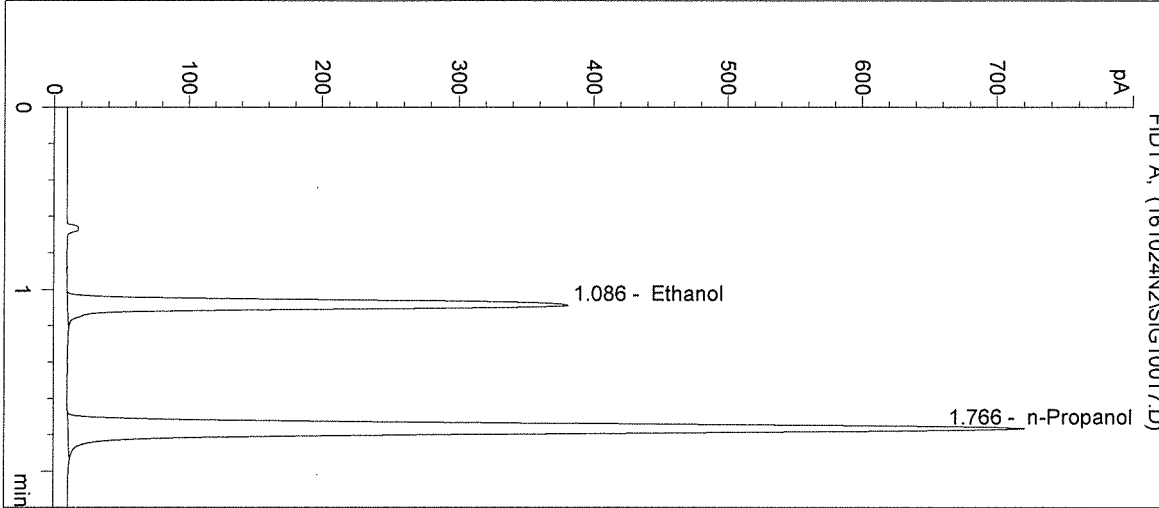
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

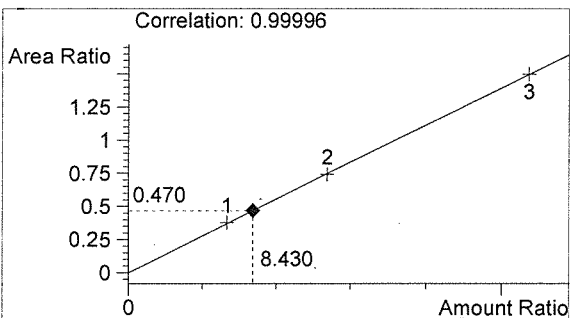
Location: Vial 17

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

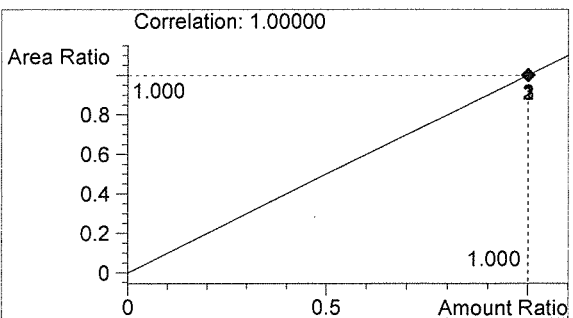
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1255	1.086
2	n-Propanol	2671	1.766



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

AW

NA

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

Inj. Date: 10/24/2016 12:47:56 PM

Sample Name: QAP 16041 #2

Instrument: HSGC#1

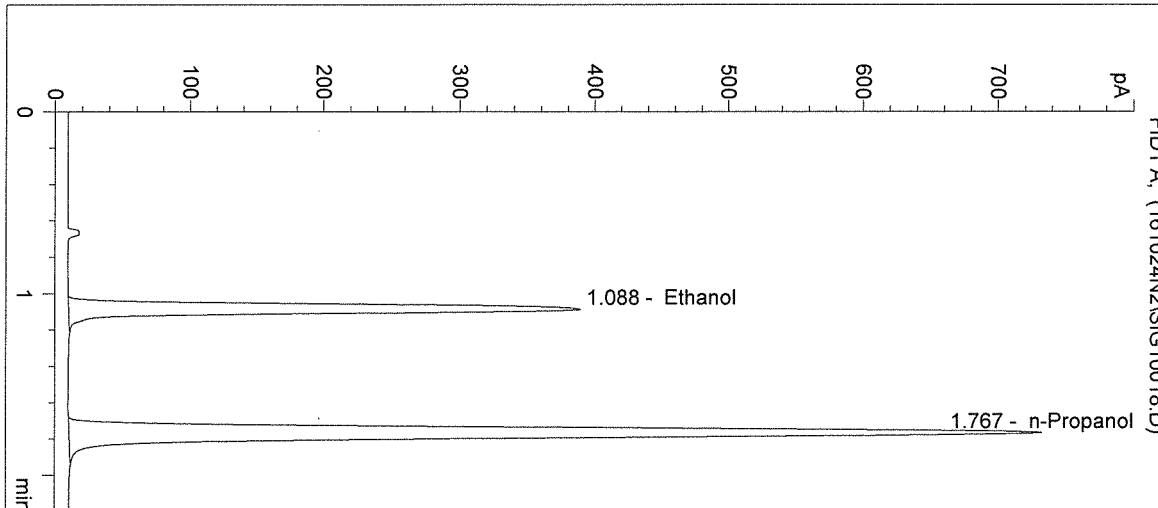
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

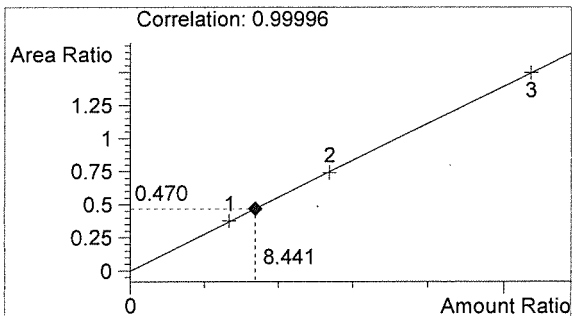
Location: Vial 18

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

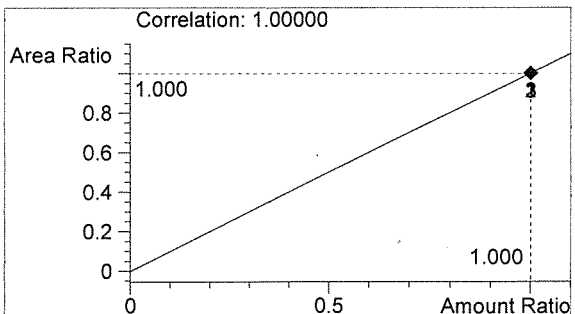
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1281	1.088
2	n-Propanol	2724	1.767



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

BLW

MM

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

Inj. Date: 10/24/2016 12:51:09 PM

Sample Name: QAP 16041 #3

Instrument: HSGC#1

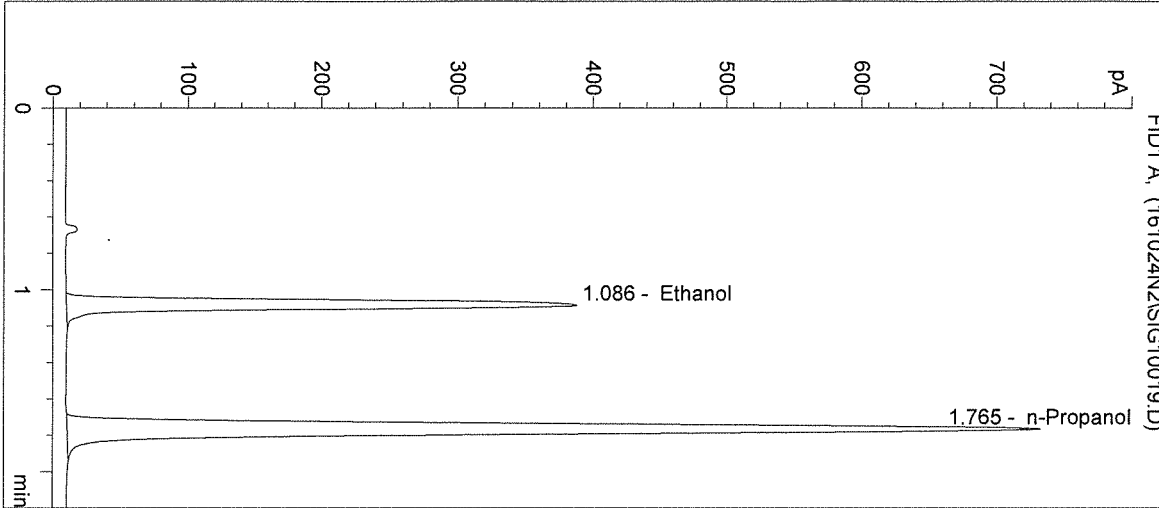
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

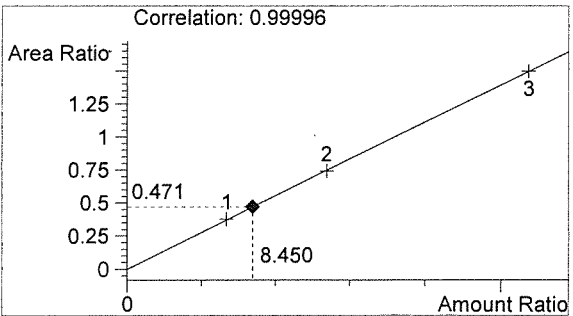
Location: Vial 19

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

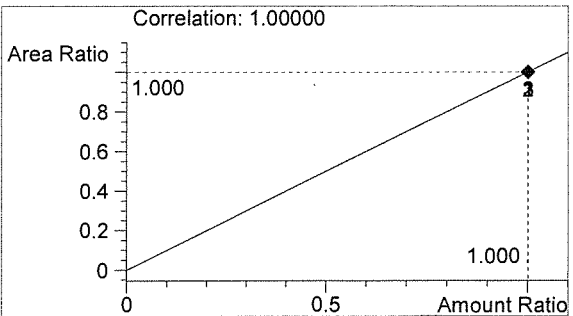
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1277	1.086
2	n-Propanol	2712	1.765



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

BW

NA

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

Inj. Date: 10/24/2016 12:54:23 PM

Sample Name: QAP 16041 #4

Instrument: HSGC#1

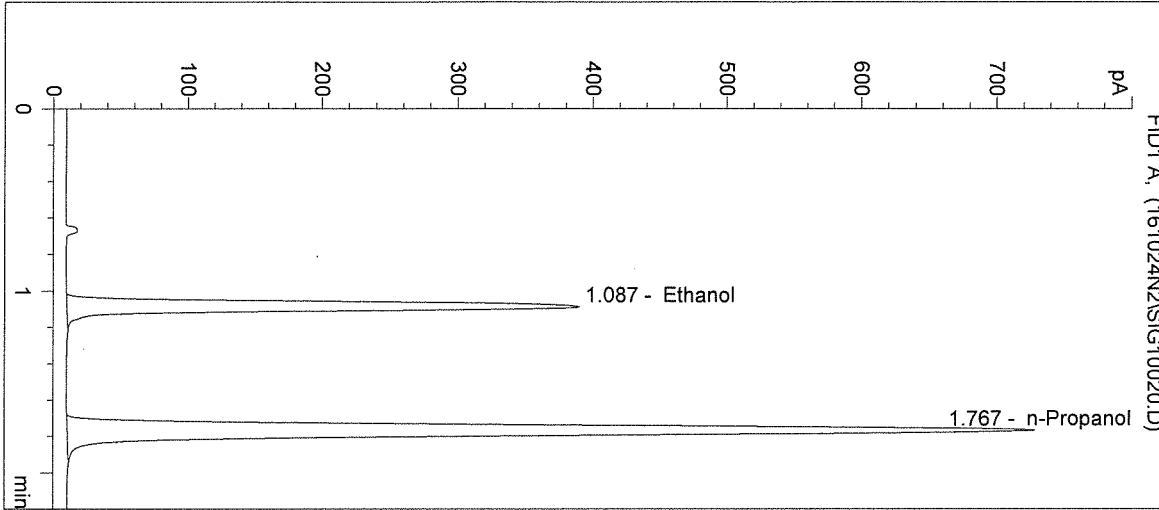
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

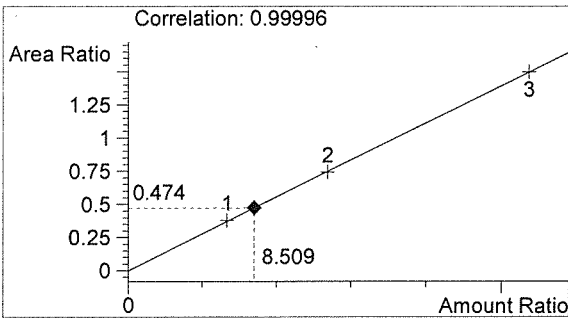
Location: Vial 20

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

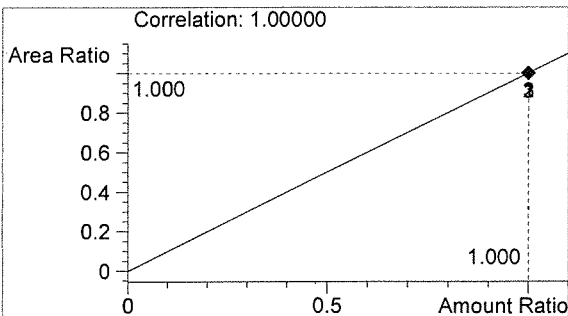
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1287	1.087
2	n-Propanol	2715	1.767



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

AWO

M

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

Inj. Date: 10/24/2016 12:57:36 PM

Sample Name: QAP 16041 #5

Instrument: HSGC#1

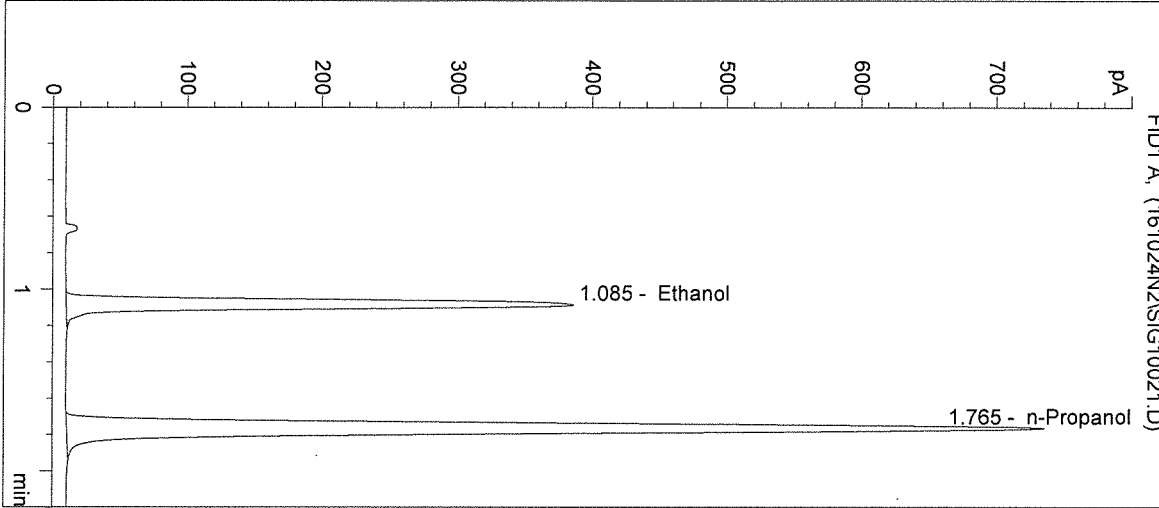
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

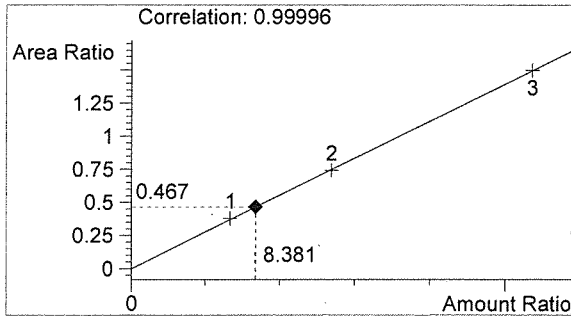
Location: Vial 21

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

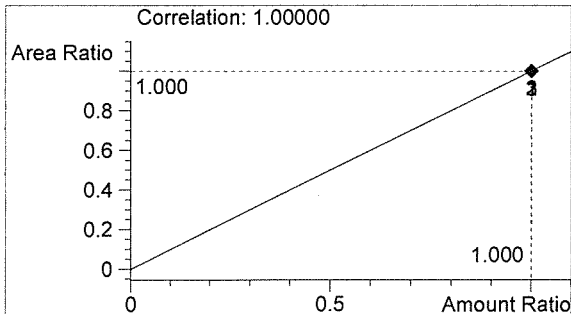
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1271	1.085
2	n-Propanol	2721	1.765



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signature/initials

Handwritten signature/initials

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

Inj. Date: 10/24/2016 1:00:49 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

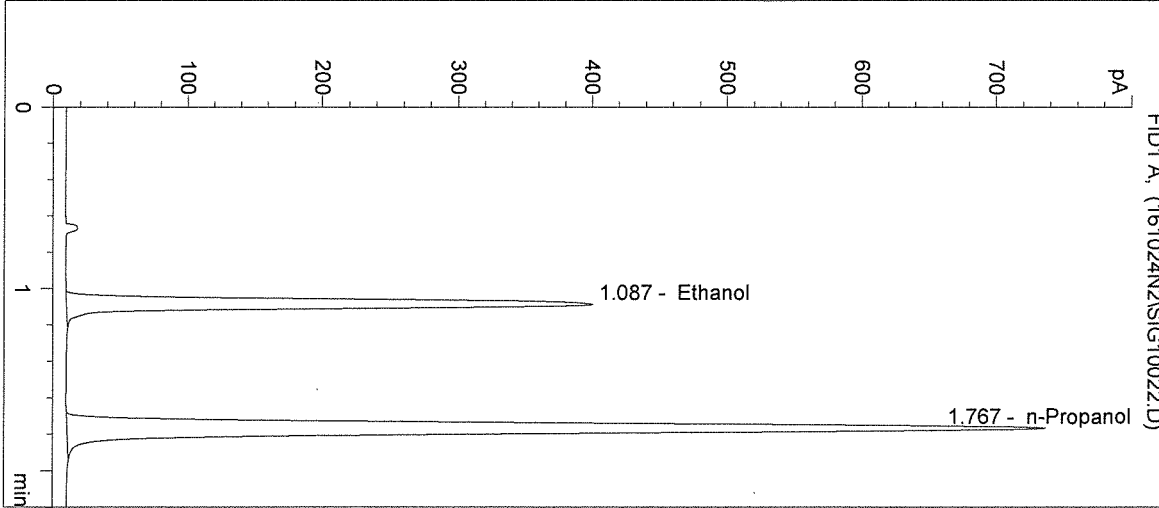
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

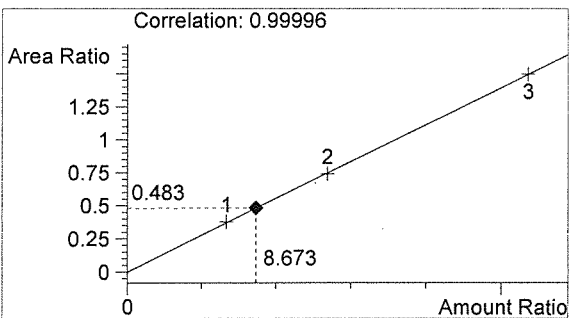
Location: Vial 22

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

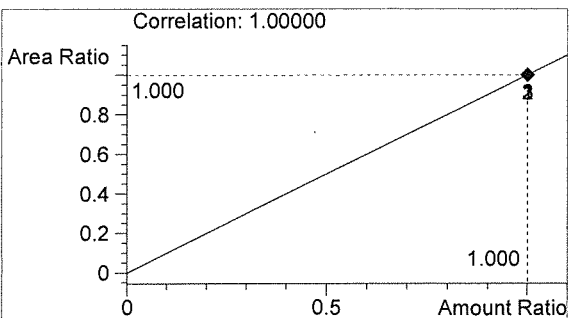
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	1328	1.087
2	n-Propanol	2748	1.767



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

AW

MM

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

Inj. Date: 10/24/2016 1:04:03 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

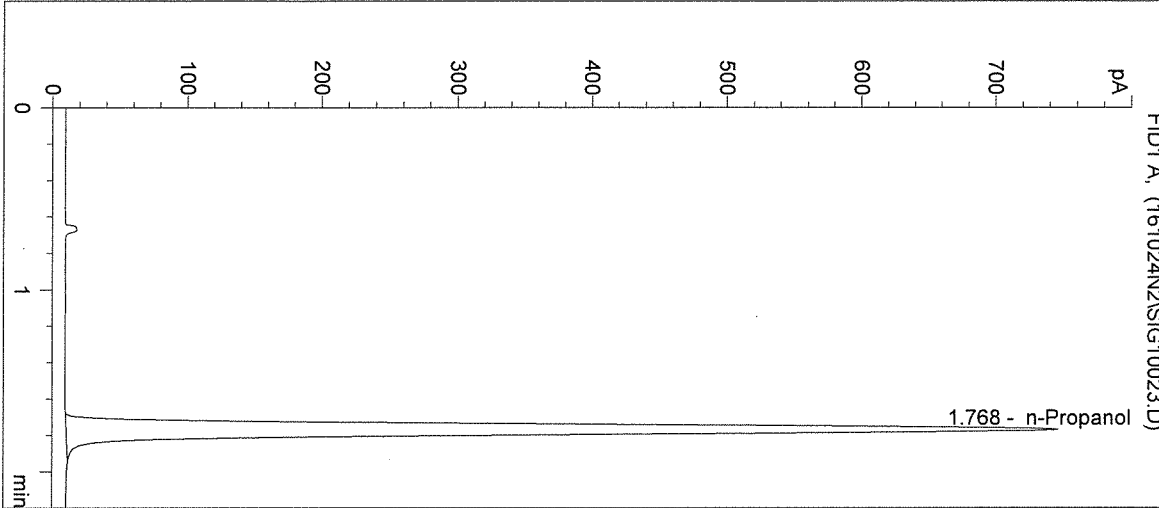
Operator: Naziha Nuwayhid, PhD

Column: DB-ALC1

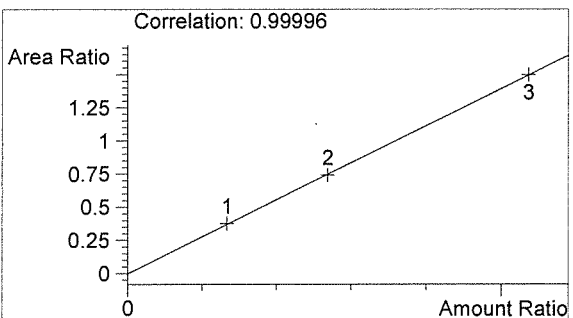
Location: Vial 23

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

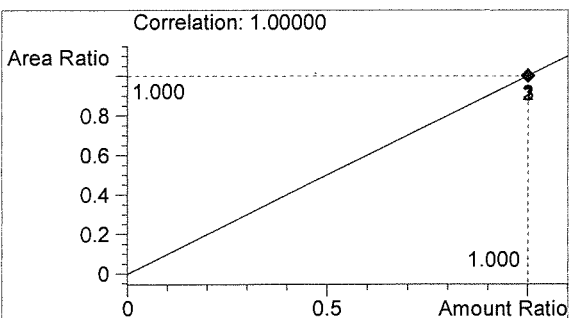
Sample Info: 16041



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2789	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Handwritten signatures and initials:
AWW
NR