



**QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT**

**BATCH REPORT: 16049**

**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: 0.20 g/210L  
DATE PREPARED: 11/17/2016  
BATCH UNITS: g/100mL

IDENTITY: QAP Solution  
PREPARED BY: Amanda Chandler

	AC	AG	RF
1	0.253	0.254	0.252
2	0.256	0.255	0.251
3	0.250	0.255	0.251
4	0.252	0.255	0.250
5	0.255	0.256	0.252
C	0.104	0.104	0.102

**ETHANOL CONTROL INFORMATION**

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

**RESULTS OF TESTING**


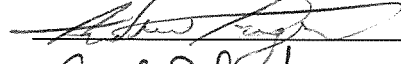
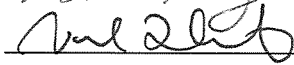
AVERAGE SOLUTION CONCENTRATION: 0.2531 g/100mL PRECISION CV (%): 0.84  
STANDARD DEVIATION: 0.00213 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.2058 g/210L**  
EXPANDED UNCERTAINTY: ± 0.0052 (k=2, 95.45% confidence interval)

**WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION**

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

12-5-2016  
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
AC	Amanda Chandler		11/17/2016
AG	Andrew Gingras		11/17/2016
RF	Rebecca Flaherty		11/18/2016

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

QAP Solution Batch #: 16049

Date Prepared: 11/17/2016

Analyst:	AC	AG	RF
Date Tested:	11/17/2016	11/17/2016	11/18/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.253	0.254	0.252
2	0.256	0.255	0.251
3	0.250	0.255	0.251
4	0.252	0.255	0.250
5	0.255	0.256	0.252
C	0.104	0.104	0.102

$CV^2_{COA}$	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000047364	0.0000416233	0.0001016326

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

Average Solution Concentration: 0.2531 g/100mL  
Standard Deviation: 0.00213 g/100mL  
Precision CV (%): 0.84  
Equivalent Vapor Concentration: 0.2058 g/210L  
Combined Standard Uncertainty ( $\pm$ ): 0.0026 g/210L  
Expanded Uncertainty ( $\pm$ ): 0.0052 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne E O'Reilly 11-23-16  
Name Signature Date

Calculations verified by: Amanda M. Black AMBlack 12-5-16 Method: Hand calculation  
Name Signature Date

Tech. review performed by: Brianne E. O'Reilly Brianne E O'Reilly 11-23-16  
Name Signature Date

**SIMULATOR SOLUTION DATA ENTRY REVIEW**

Reviewer/s: Amanda M. Black Date: 12-5-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16049

	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: 12-5-16

## 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	AZ	11/30/14
Andrew Gingras	AG	11/30/16
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty	RF	11/30/16

Batch # 16049  
RLW 11-23-16

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

**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16049**

I, Amanda Chandler, 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: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16049, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. 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 11/17/2017.

Seattle, WA

Amanda Chandler

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

**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16049**

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 16049, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. 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 11/17/2017.

Seattle, WA

 11/30/16

Andrew Gingras  
Forensic Scientist

Date



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

**0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION  
CERTIFICATION FOR LOT 16049**

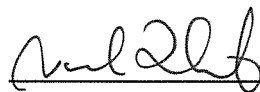
I, Rebecca Flaherty, do certify under penalty of perjury that:

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

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

The quality assurance procedure (QAP) solution, Lot Number 16049, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. 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 11/17/2017.

Seattle, WA

 11/30/16

Rebecca Flaherty

Date

Forensic Scientist



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

Preparation Date: 11/17/16 Expiration Date: 11/17/17 Initials of Preparer: AC

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

Date the 200-proof Ethanol bottle was opened: 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 checked="" type="checkbox"/>	<u>16047</u>
QAP 0.08	22.4	18	<input type="checkbox"/>	_____
QAP 0.10	28.1	18	<input type="checkbox"/>	_____
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>16048</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>16049</u>
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

11/17/16  
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:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Amranda Chandler  
Analyst Signature

11/17/2016  
Date

16049  
Buo 11-23-11



Sequence Parameters:

Operator: Amanda Chandler  
 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: 161117AC  
 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# FN12181501 - EXP 12/2020  
 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 16047  
 Dilutor #1

16049  
 PLU 11.23.14

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 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #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 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

AR

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #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!

16049

BW 11-23-16

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

Inj. Date: 11/17/2016 10:45:55 AM

Sample Name: QAP 16049 #1

Instrument: HSGC#1

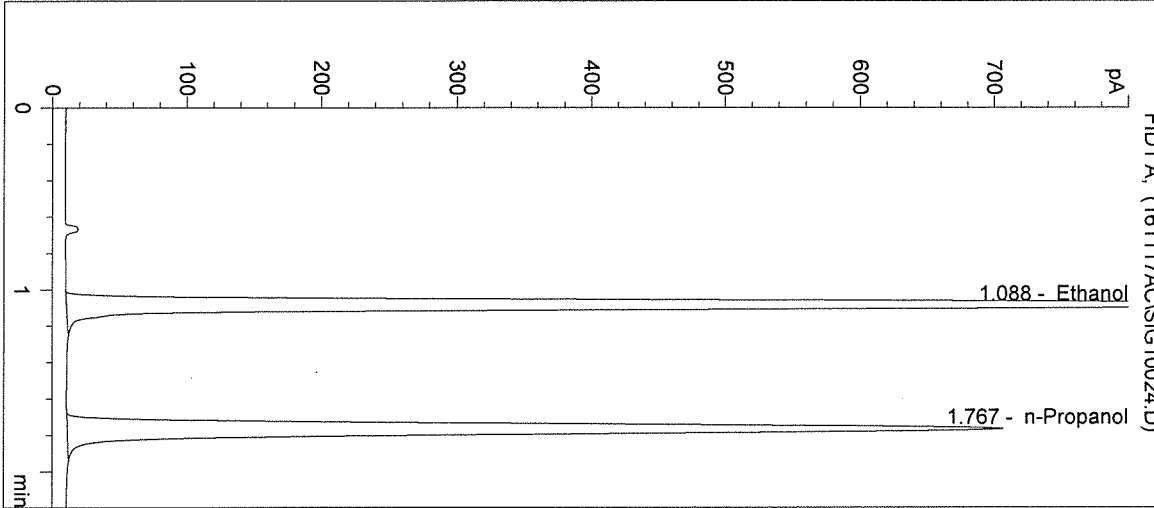
Operator: Amanda Chandler

Column: DB-ALC1

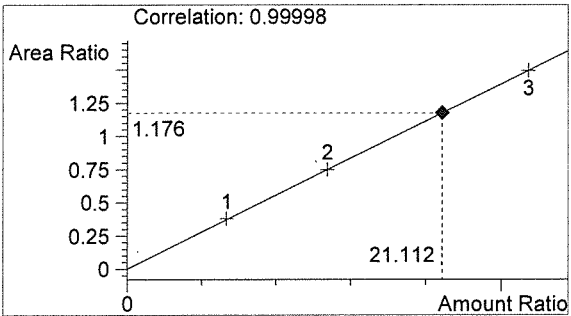
Location: Vial 24

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

Sample Info:

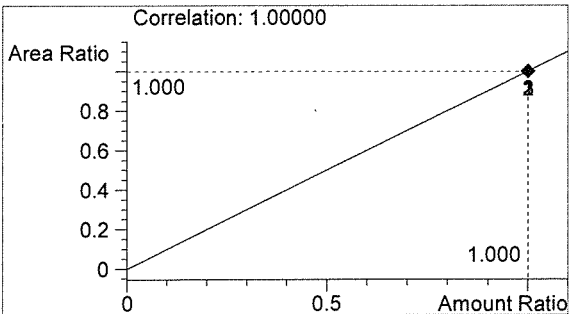


#	Compound	Peak Area	RT (min)
1	Ethanol	3114	1.088
2	n-Propanol	2648	1.767



Ethanol 0.253 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*A*

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

Inj. Date: 11/17/2016 10:49:08 AM

Sample Name: QAP 16049 #2

Instrument: HSGC#1

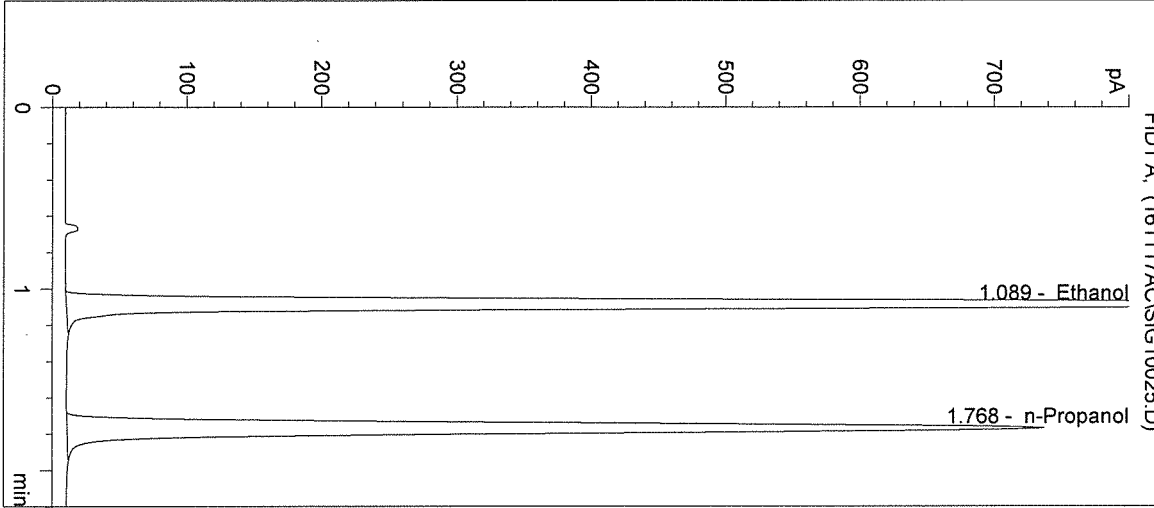
Operator: Amanda Chandler

Column: DB-ALC1

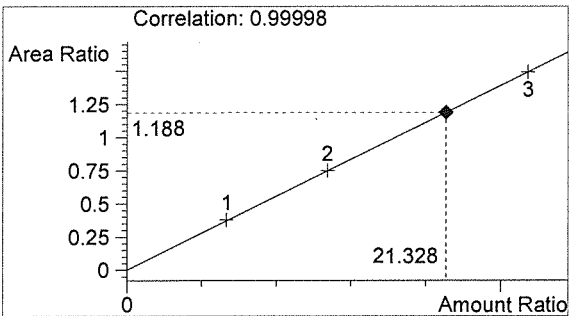
Location: Vial 25

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

Sample Info:

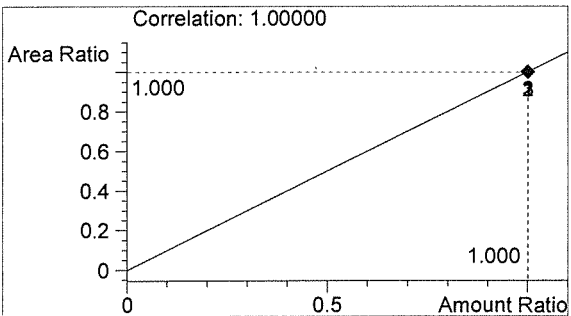


#	Compound	Peak Area	RT (min)
1	Ethanol	3295	1.089
2	n-Propanol	2773	1.768



Ethanol 0.256 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

*AR*

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

Inj. Date: 11/17/2016 10:52:21 AM

Sample Name: QAP 16049 #3

Instrument: HSGC#1

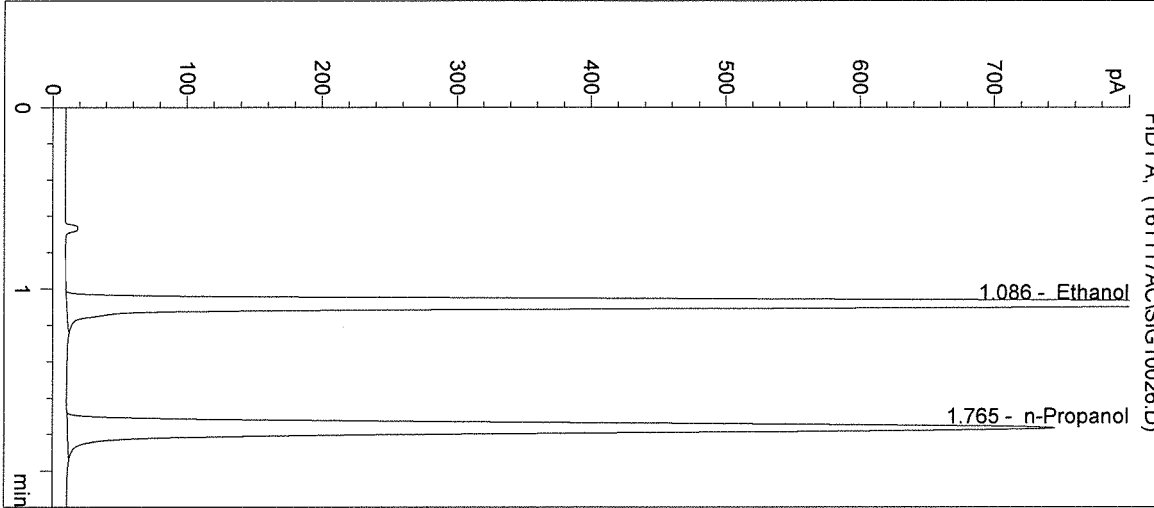
Operator: Amanda Chandler

Column: DB-ALC1

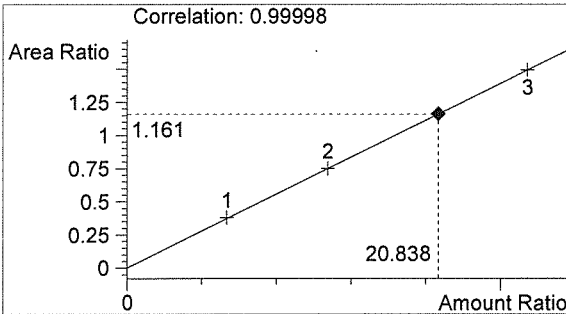
Location: Vial 26

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

Sample Info:

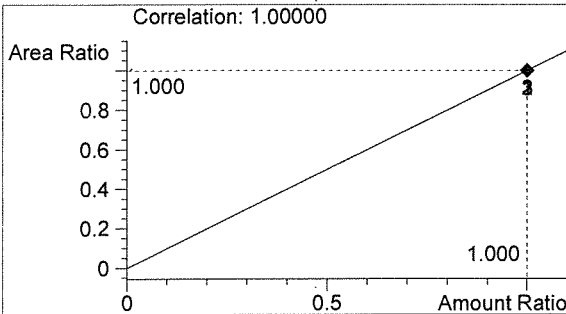


#	Compound	Peak Area	RT (min)
1	Ethanol	3230	1.086
2	n-Propanol	2782	1.765



Ethanol 0.250 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

*AW*

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

Inj. Date: 11/17/2016 10:55:35 AM

Sample Name: QAP 16049 #4

Instrument: HSGC#1

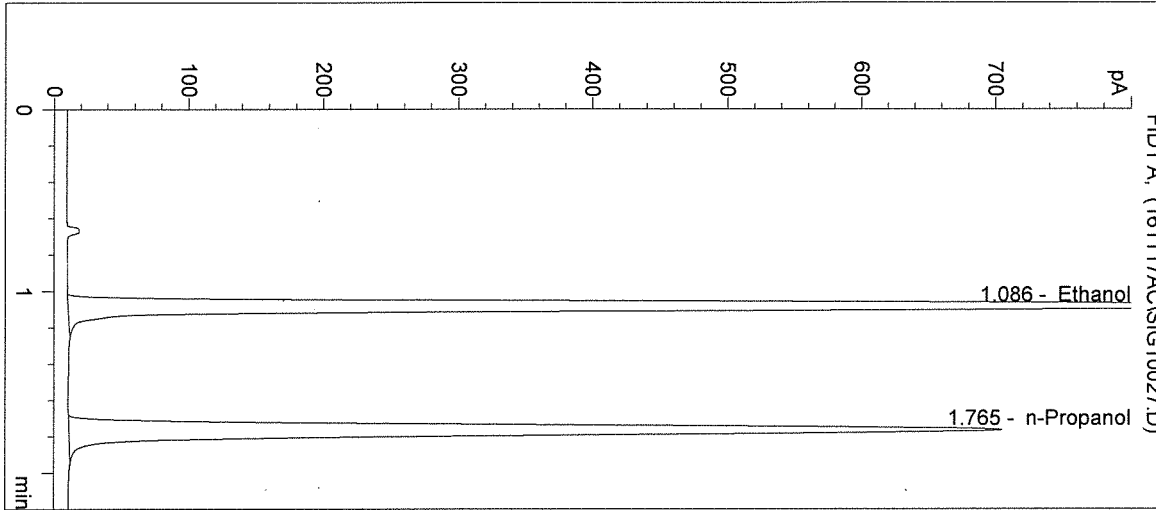
Operator: Amanda Chandler

Column: DB-ALC1

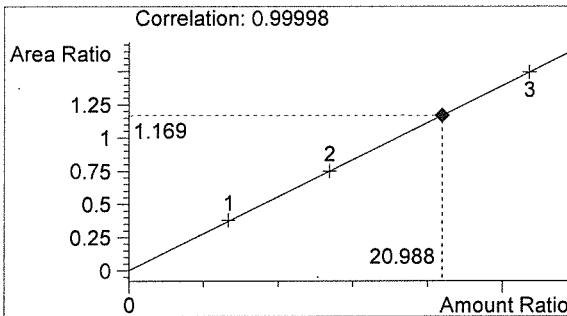
Location: Vial 27

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

Sample Info:

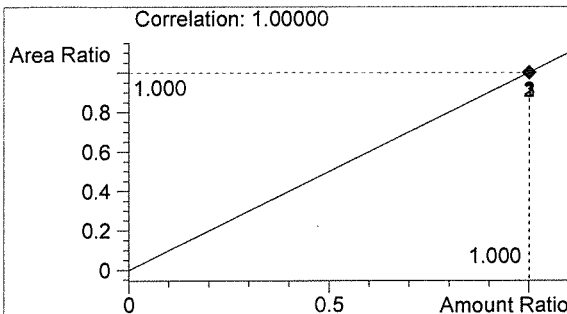


#	Compound	Peak Area	RT (min)
1	Ethanol	3083	1.086
2	n-Propanol	2637	1.765



Ethanol 0.252 g/100mL

*ALCO*



n-Propanol 0.012 g/100mL

*AC*

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

Inj. Date: 11/17/2016 10:58:49 AM

Sample Name: QAP 16049 #5

Instrument: HSGC#1

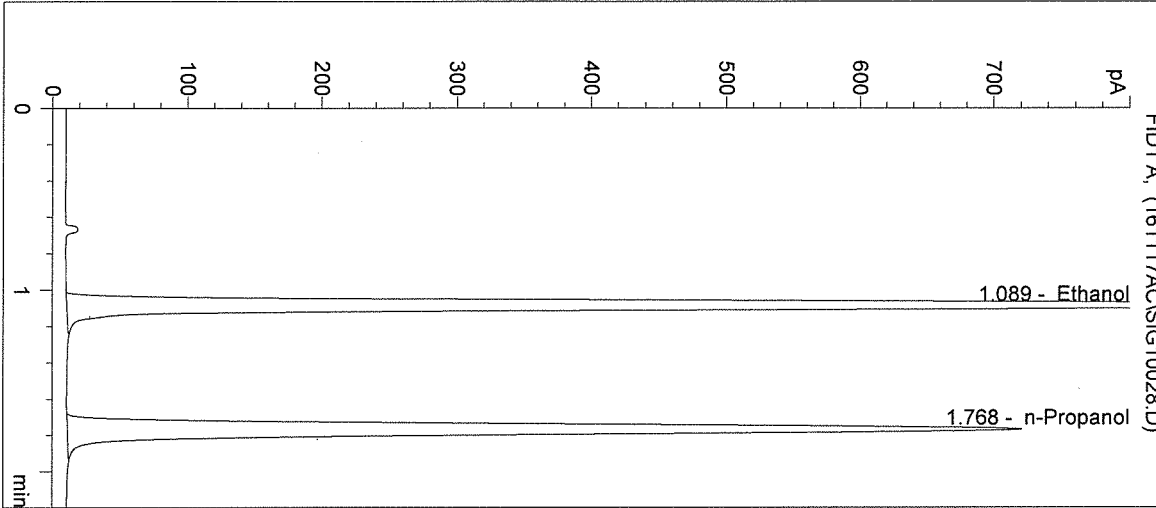
Operator: Amanda Chandler

Column: DB-ALC1

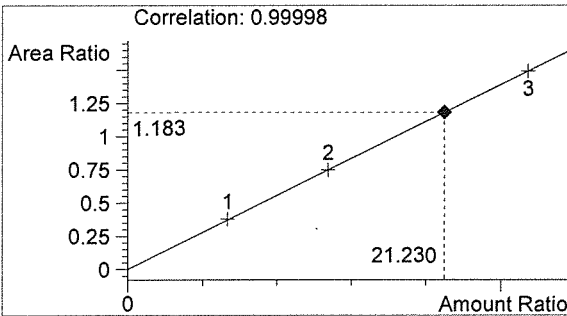
Location: Vial 28

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

Sample Info:

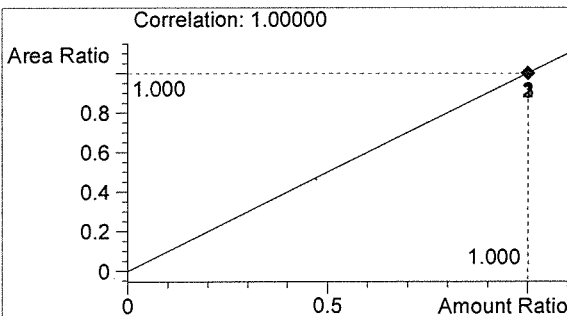


#	Compound	Peak Area	RT (min)
1	Ethanol	3201	1.089
2	n-Propanol	2706	1.768



Ethanol 0.255 g/100mL

*BW*



n-Propanol 0.012 g/100mL

*AK*

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

Inj. Date: 11/17/2016 11:02:03 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

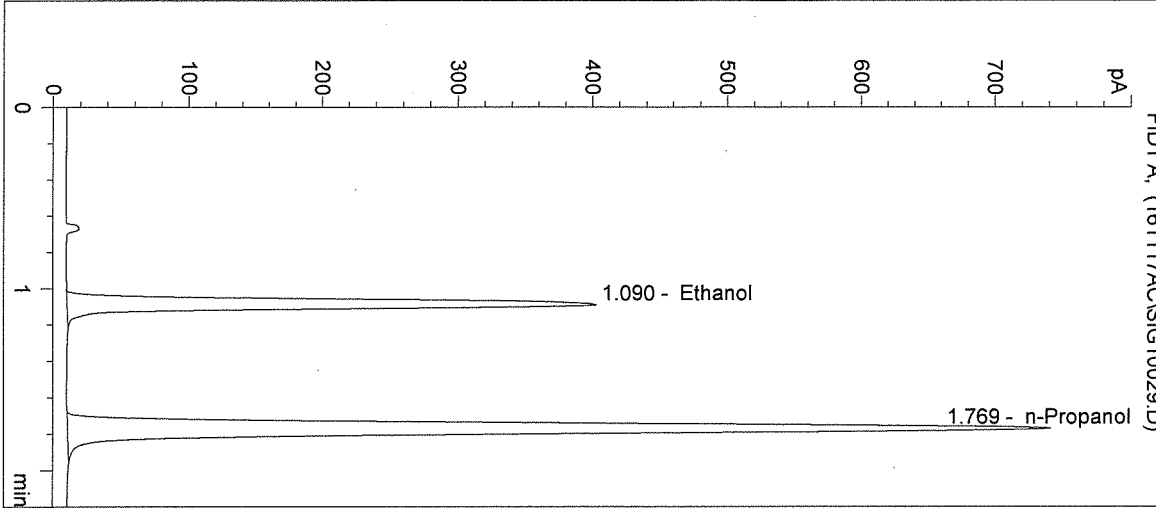
Operator: Amanda Chandler

Column: DB-ALC1

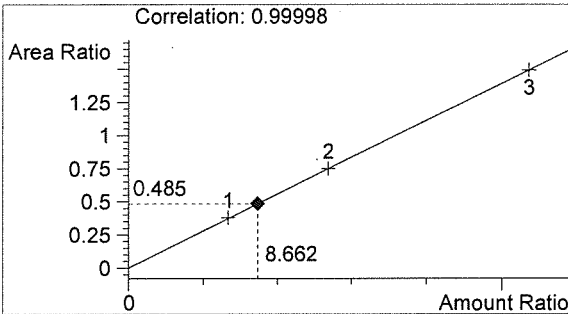
Location: Vial 29

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

Sample Info: 16049

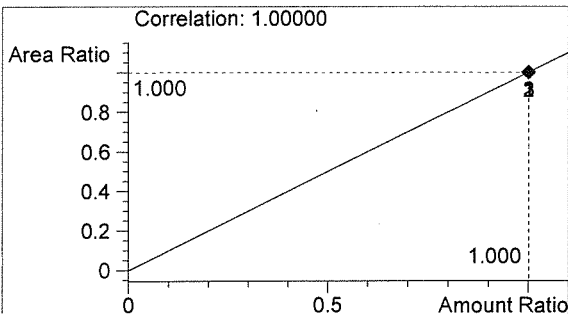


#	Compound	Peak Area	RT (min)
1	Ethanol	1360	1.090
2	n-Propanol	2807	1.769



Ethanol 0.104 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*AW*



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

Inj. Date: 11/17/2016 11:05:14 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

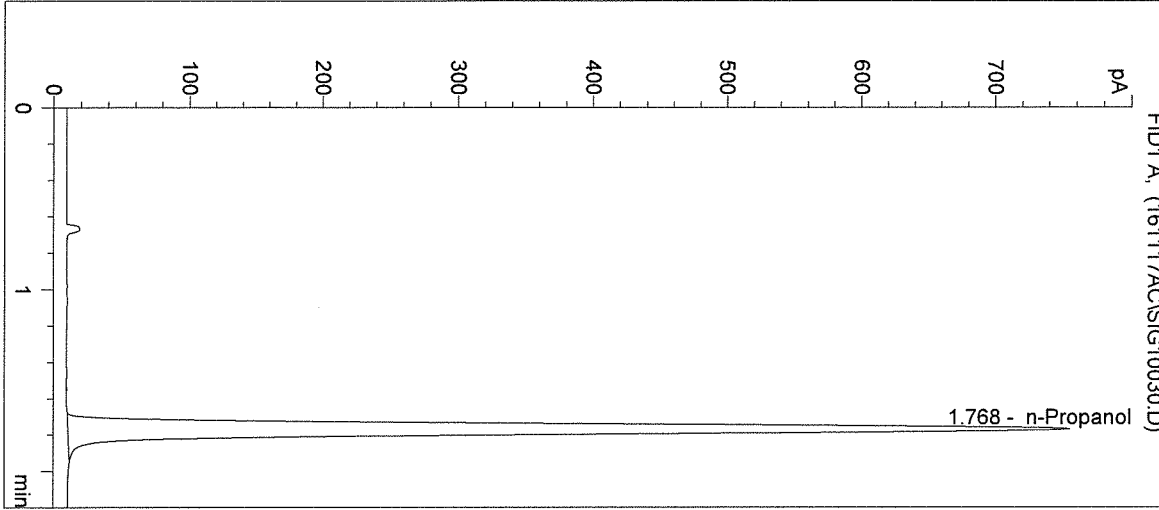
Operator: Amanda Chandler

Column: DB-ALC1

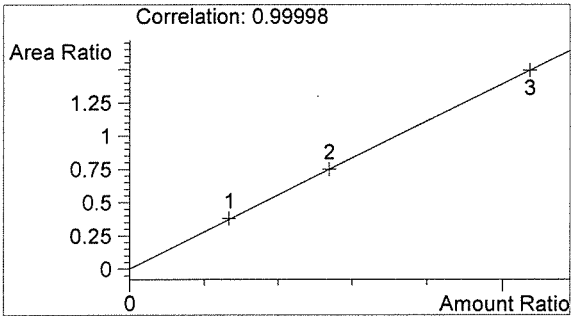
Location: Vial 30

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

Sample Info: 16049

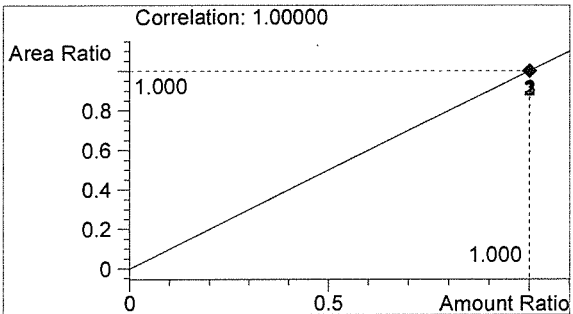


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2857	1.768



Ethanol 0.000 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*AR*

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: 161117AG  
 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# FN12181501 - EXP 12/2020  
 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 16047  
 Dilutor #1

16049

RW 11-23-16

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 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #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 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #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!

16049

PW011-23-16

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

Inj. Date: 11/17/2016 12:39:35 PM

Sample Name: QAP 16049 #1

Instrument: HSGC#1

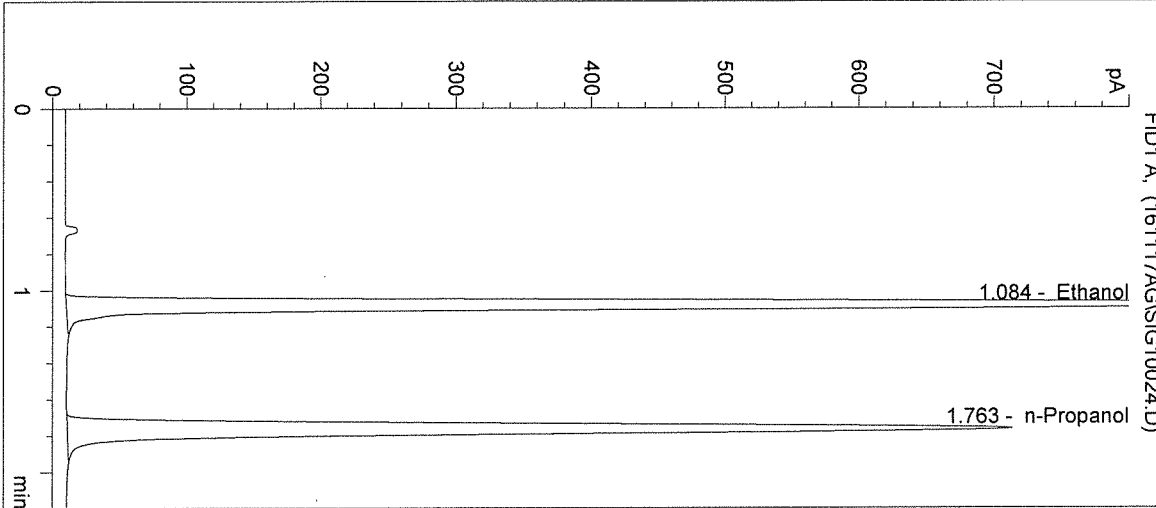
Operator: Andrew Gingras

Column: DB-ALC1

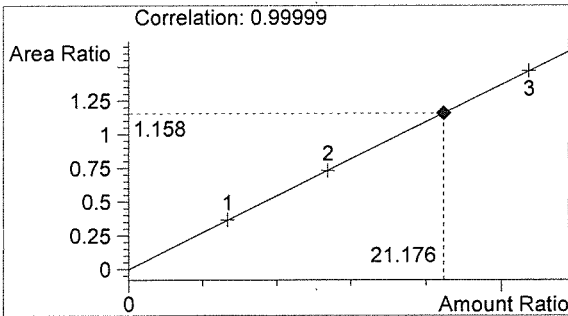
Location: Vial 24

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

Sample Info:

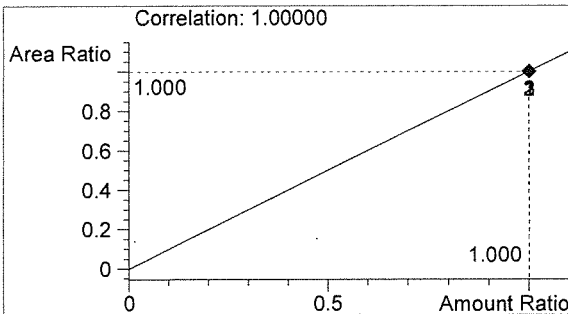


#	Compound	Peak Area	RT (min)
1	Ethanol	3068	1.084
2	n-Propanol	2648	1.763



Ethanol 0.254 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*AB*

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

Inj. Date: 11/17/2016 12:42:48 PM

Sample Name: QAP 16049 #2

Instrument: HSGC#1

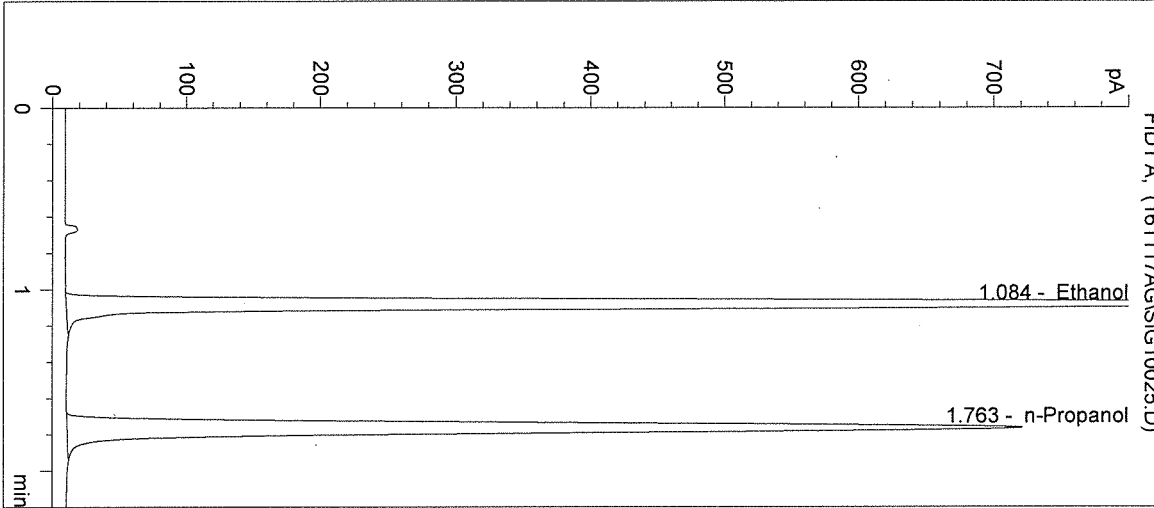
Operator: Andrew Gingras

Column: DB-ALC1

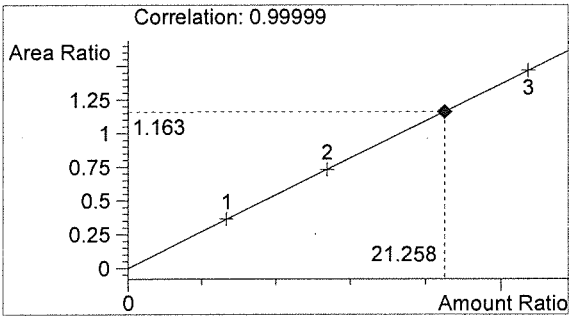
Location: Vial 25

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

Sample Info:

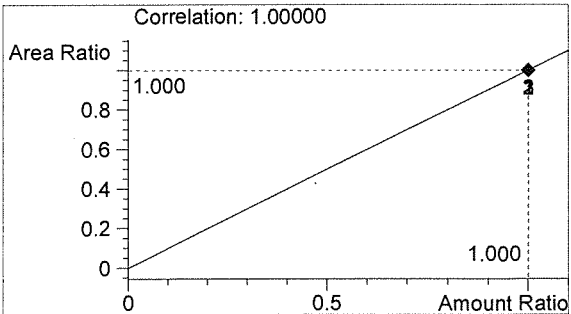


#	Compound	Peak Area	RT (min)
1	Ethanol	3122	1.084
2	n-Propanol	2685	1.763



Ethanol 0.255 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*AG*

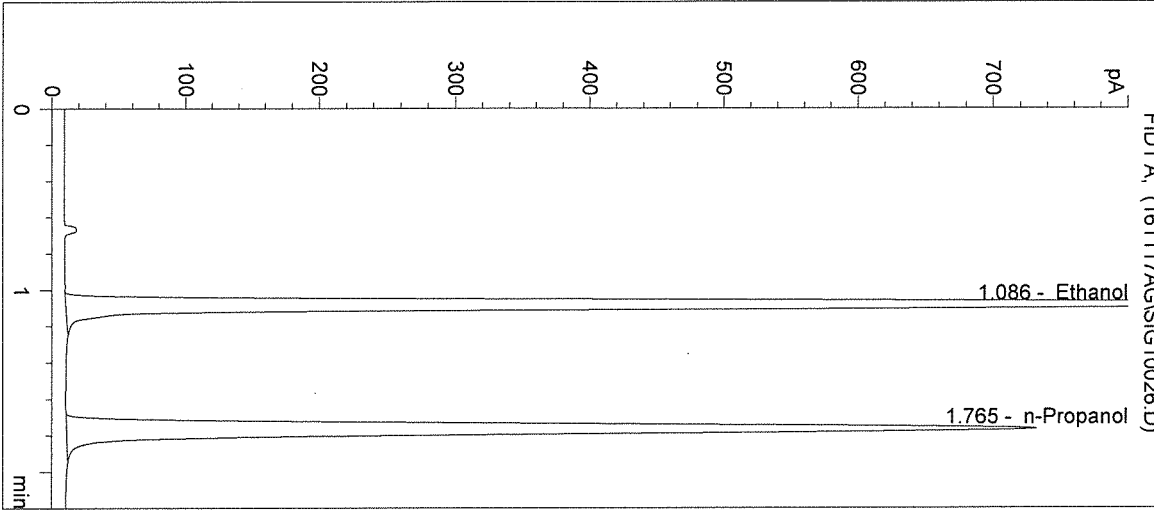
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:46:01 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1

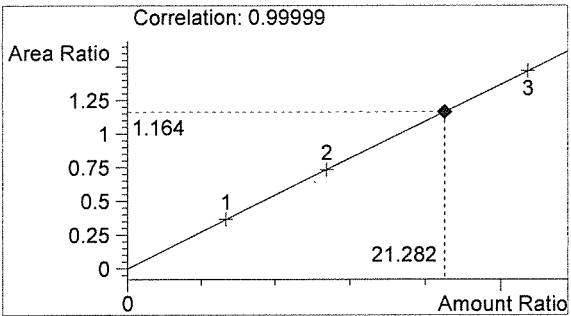
Sample Name: QAP 16049 #3  
 Operator: Andrew Gingras  
 Location: Vial 26

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

Sample Info:

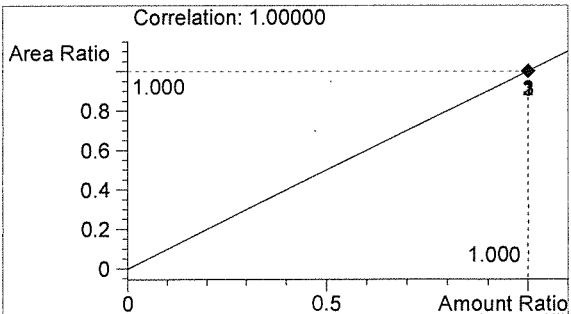


#	Compound	Peak Area	RT (min)
1	Ethanol	3177	1.086
2	n-Propanol	2729	1.765



Ethanol 0.255 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*AS*

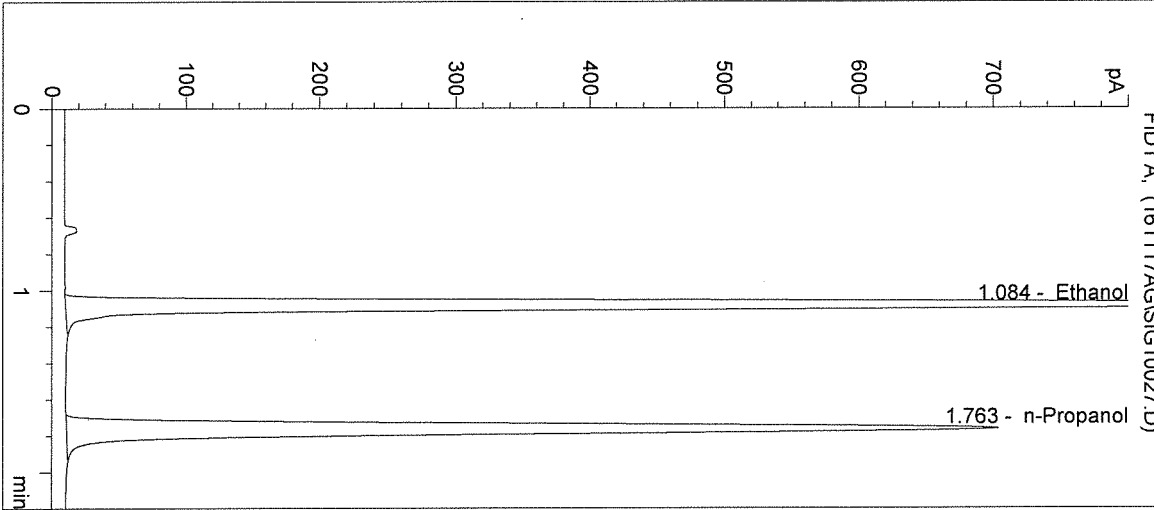
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:49:15 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1

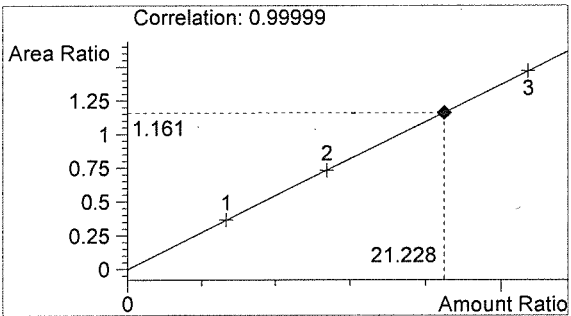
Sample Name: QAP 16049 #4  
 Operator: Andrew Gingras  
 Location: Vial 27

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

Sample Info:

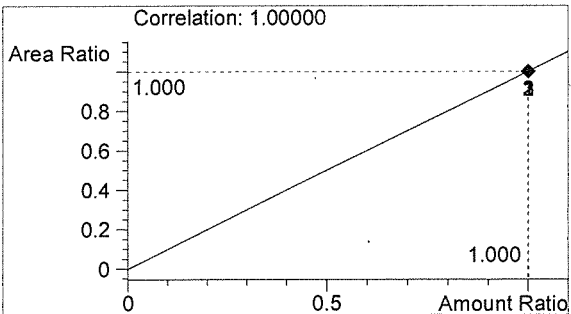


#	Compound	Peak Area	RT (min)
1	Ethanol	3038	1.084
2	n-Propanol	2616	1.763



Ethanol 0.255 g/100mL

*BLU*



n-Propanol 0.012 g/100mL

*AG*

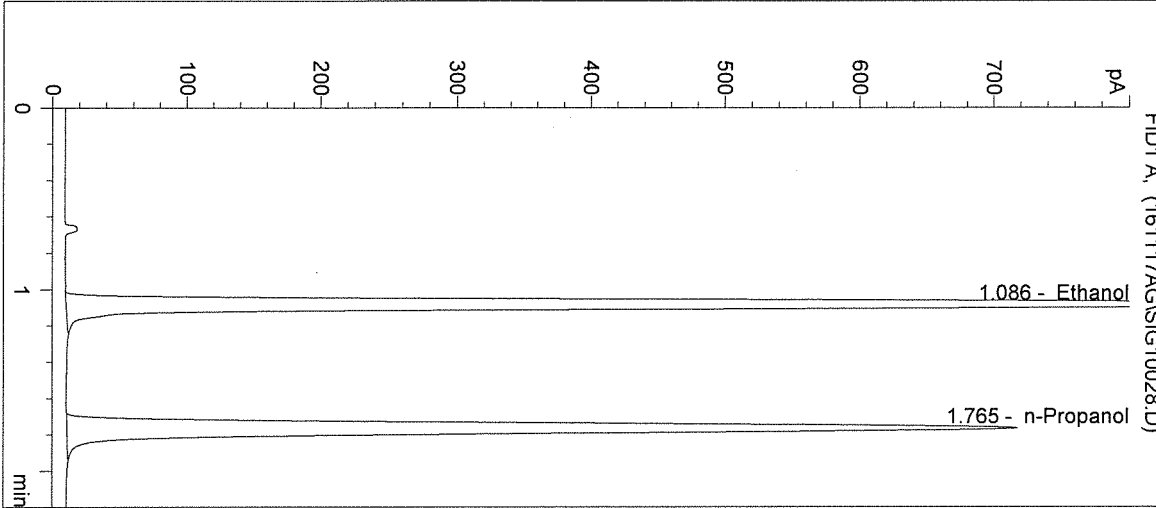
Washington State Patrol Toxicology Laboratory  
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:52:28 PM  
 Instrument: HSGC#1  
 Column: DB-ALC1

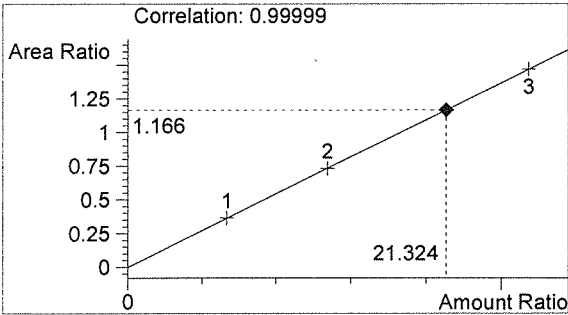
Sample Name: QAP 16049 #5  
 Operator: Andrew Gingras  
 Location: Vial 28

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

Sample Info:

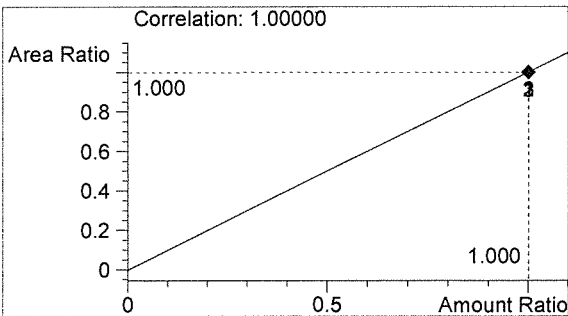


#	Compound	Peak Area	RT (min)
1	Ethanol	3122	1.086
2	n-Propanol	2676	1.765



Ethanol 0.256 g/100mL

*BWD*



n-Propanol 0.012 g/100mL

*AG*



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

Inj. Date: 11/17/2016 12:55:43 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

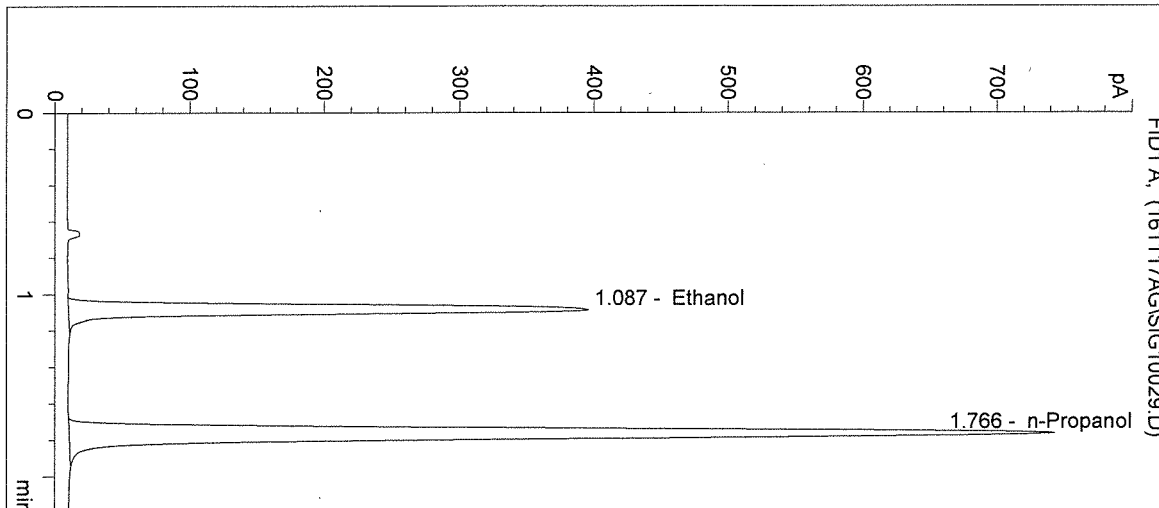
Operator: Andrew Gingras

Column: DB-ALC1

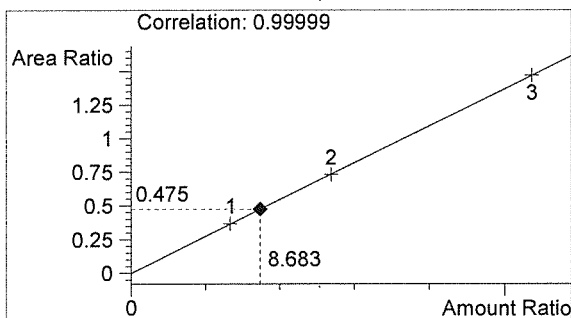
Location: Vial 29

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

Sample Info: 16049

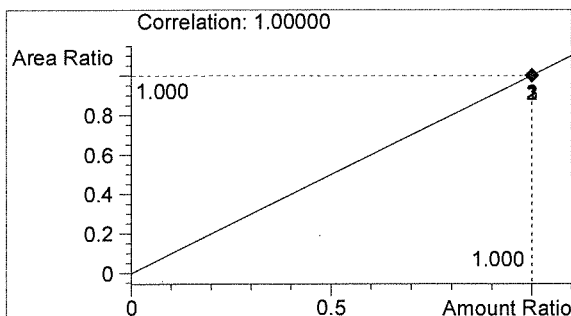


#	Compound	Peak Area	RT (min)
1	Ethanol	1323	1.087
2	n-Propanol	2788	1.766



Ethanol 0.104 g/100mL

*AWO*



n-Propanol 0.012 g/100mL

*AWO*

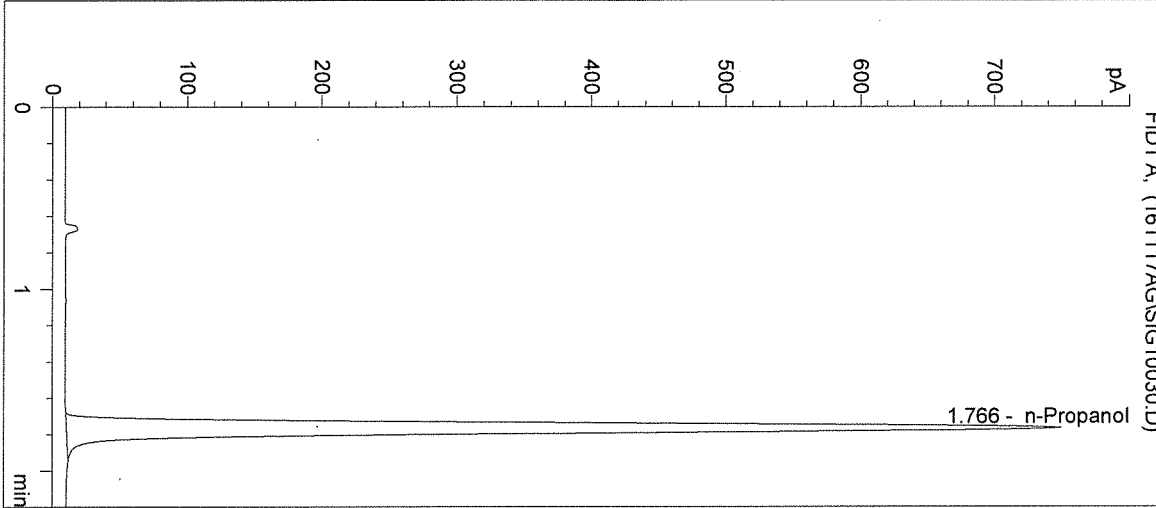
Washington State Patrol Toxicology Laboratory  
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:58:55 PM  
Instrument: HSGC#1

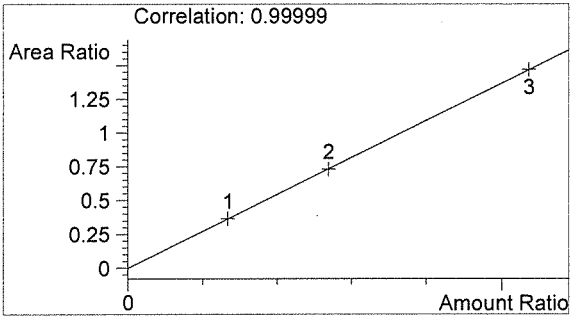
Sample Name: NEG CTRL  
Operator: Andrew Gingras  
Location: Vial 30

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

Sample Info: 16049

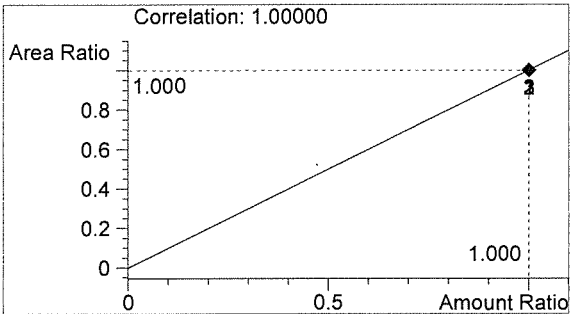


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2803	1.766



Ethanol 0.000 g/100mL

*BLW*



n-Propanol 0.012 g/100mL

*AG*

Sequence Parameters:

Operator: Rebecca Flaherty  
 Data File Naming: Prefix/Counter  
 Signal 1 Prefix: SIG1  
 Counter: 0001  
 Signal 2 Prefix: SIG2  
 Counter: 0001  
 Data Directory: C:\HPCHEM\1\DATA\  
 Data Subdirectory: 161118RF  
 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# FN12181501 - EXP 12/2020  
 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 16047  
 Dilutor #1

16049  
 BWO 11-23-16

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 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #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 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

RF

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #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!

16049  
BW 11-23-16

RF

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

Inj. Date: 11/18/2016 10:42:40 AM

Sample Name: QAP 16049 #1

Instrument: HSGC#1

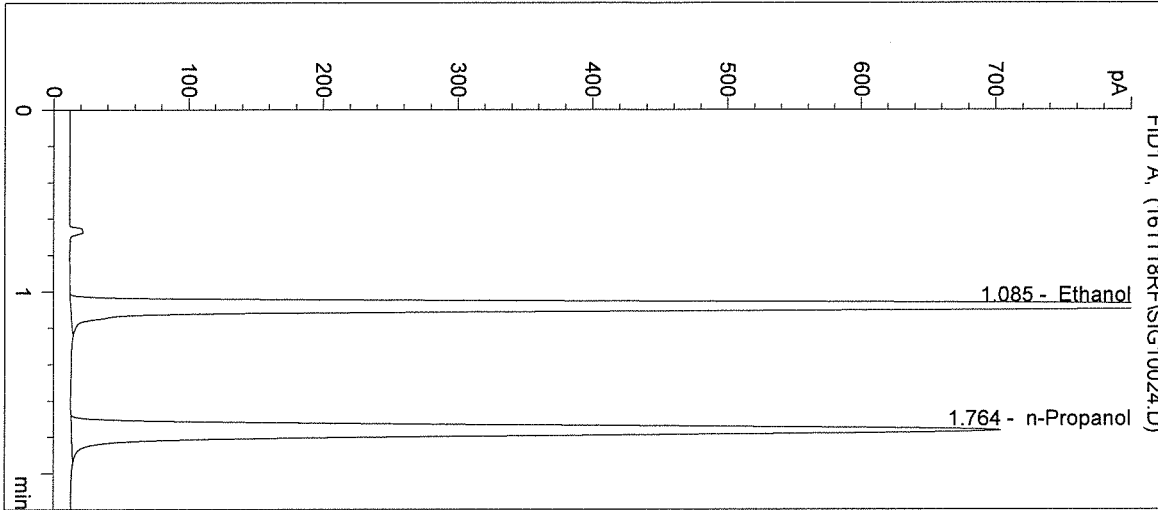
Operator: Rebecca Flaherty

Column: DB-ALC1

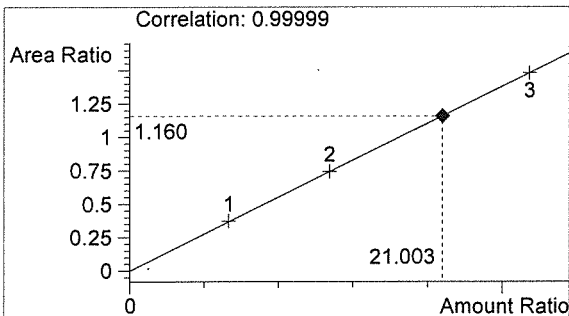
Location: Vial 24

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

Sample Info:

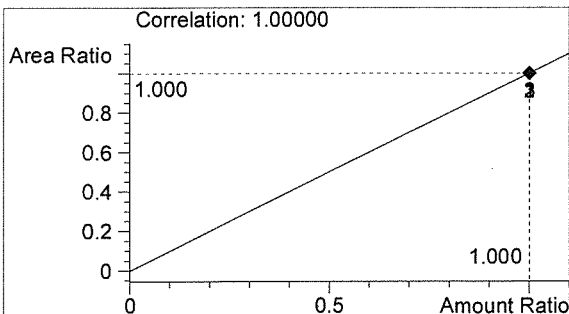


#	Compound	Peak Area	RT (min)
1	Ethanol	3021	1.085
2	n-Propanol	2604	1.764



Ethanol 0.252 g/100mL

*BUW*



n-Propanol 0.012 g/100mL

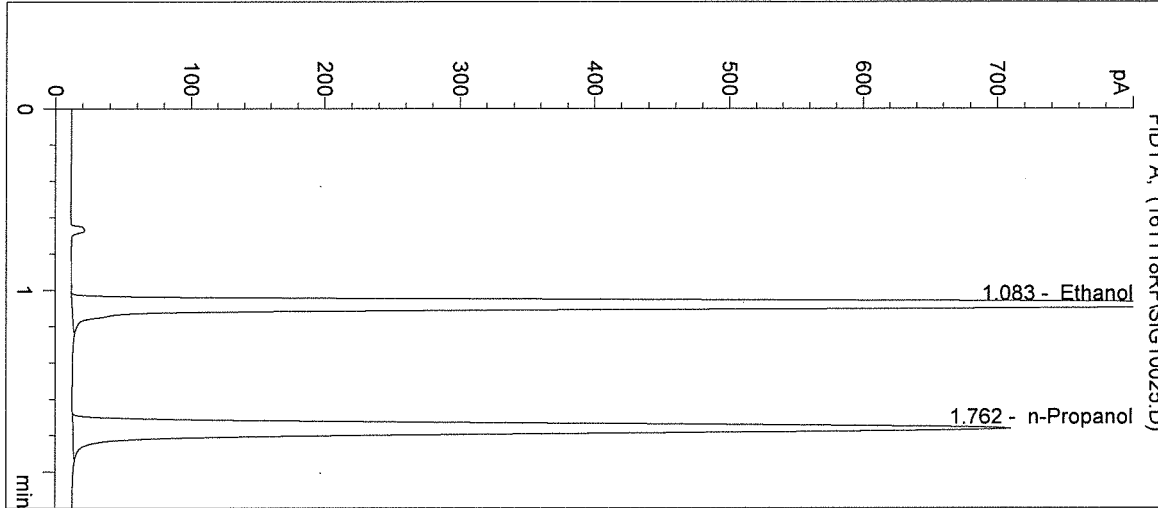
*RF*

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

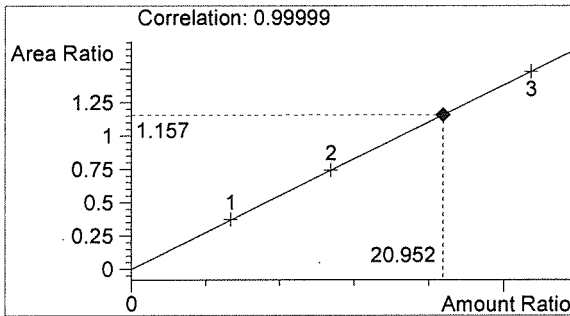
Inj. Date: 11/18/2016 10:45:53 AM  
 Instrument: HSGC#1  
 Column: DB-ALC1  
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: QAP 16049 #2  
 Operator: Rebecca Flaherty  
 Location: Vial 25

Sample Info:

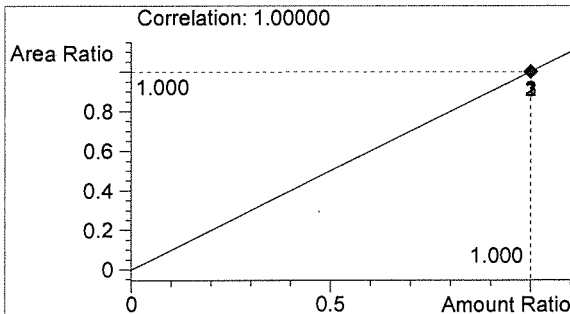


#	Compound	Peak Area	RT (min)
1	Ethanol	3035	1.083
2	n-Propanol	2623	1.762



Ethanol 0.251 g/100mL

*PLW*



n-Propanol 0.012 g/100mL

*RF*

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

Inj. Date: 11/18/2016 10:49:06 AM

Sample Name: QAP 16049 #3

Instrument: HSGC#1

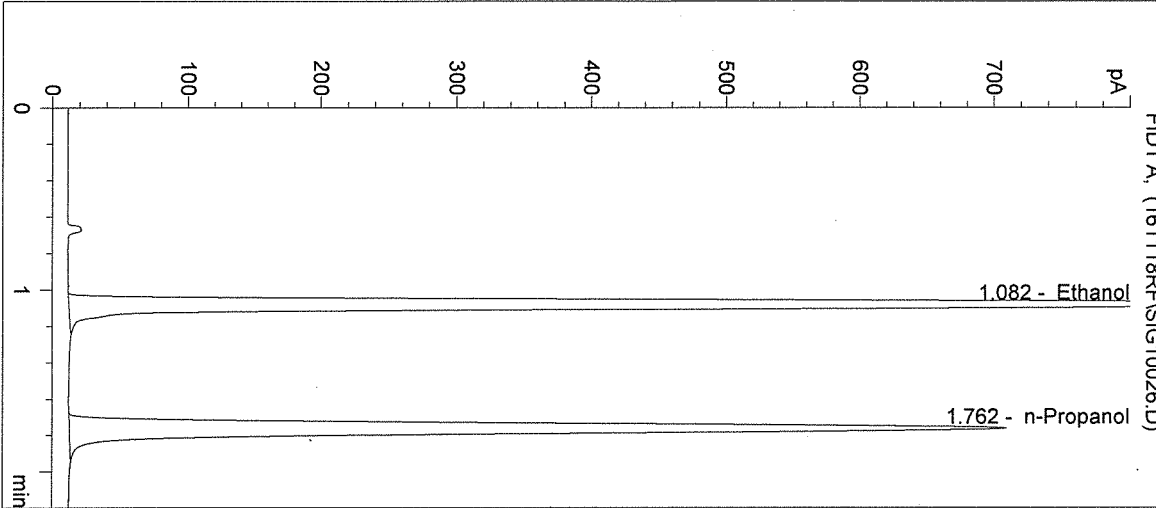
Operator: Rebecca Flaherty

Column: DB-ALC1

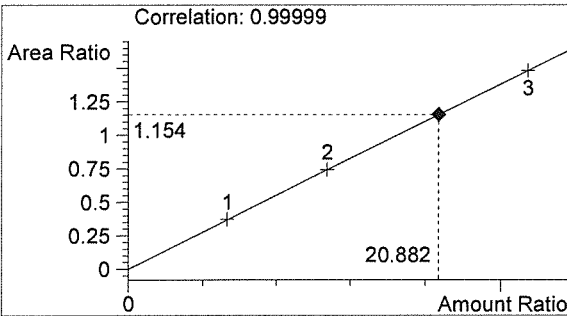
Location: Vial 26

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

Sample Info:

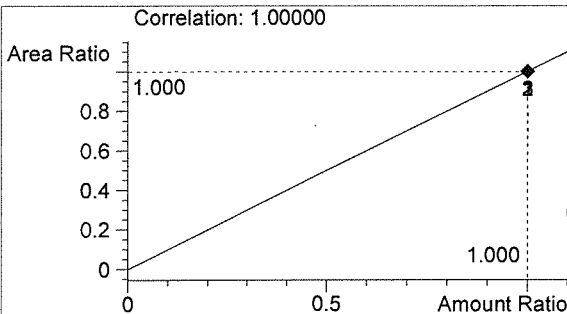


#	Compound	Peak Area	RT (min)
1	Ethanol	3022	1.082
2	n-Propanol	2620	1.762



Ethanol 0.251 g/100mL

*AWD*



n-Propanol 0.012 g/100mL

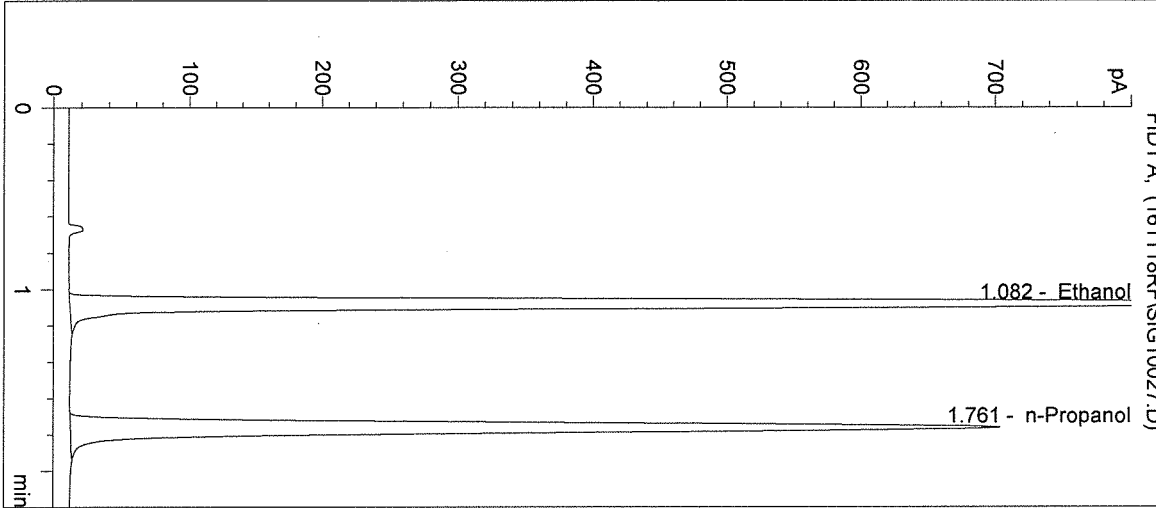
*RF*

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

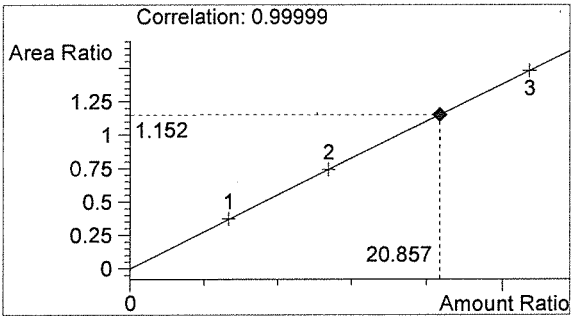
Inj. Date: 11/18/2016 10:52:19 AM  
Instrument: HSGC#1  
Column: DB-ALC1  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Name: QAP 16049 #4  
Operator: Rebecca Flaherty  
Location: Vial 27

Sample Info:

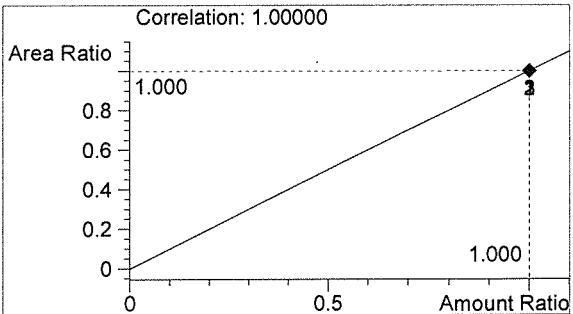


#	Compound	Peak Area	RT (min)
1	Ethanol	2991	1.082
2	n-Propanol	2596	1.761



Ethanol 0.250 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*



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

Inj. Date: 11/18/2016 10:55:32 AM

Sample Name: QAP 16049 #5

Instrument: HSGC#1

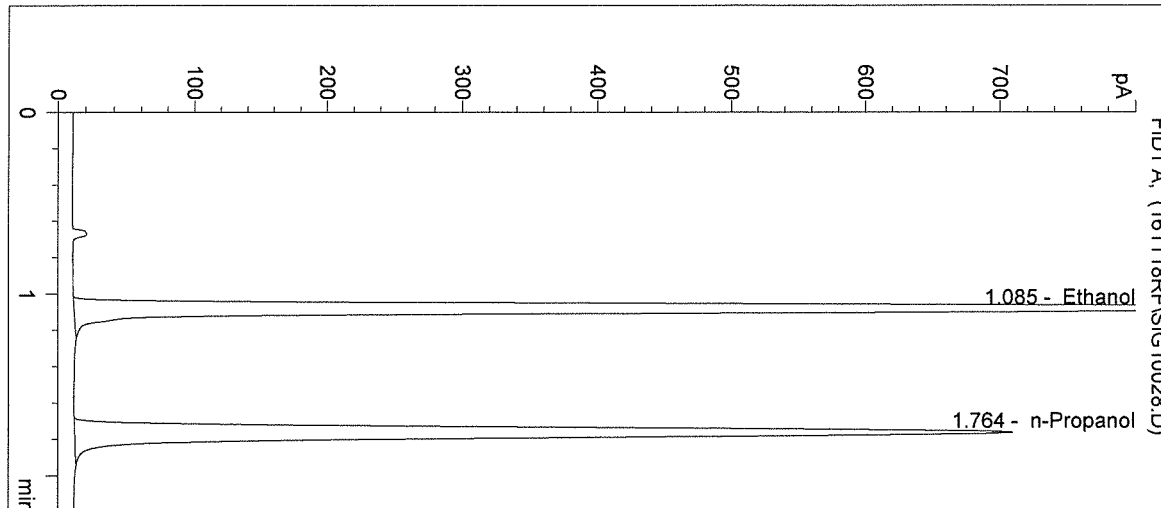
Operator: Rebecca Flaherty

Column: DB-ALC1

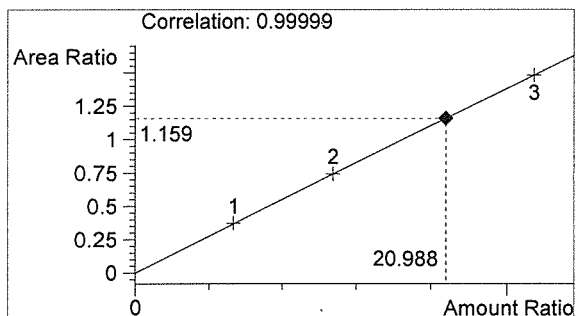
Location: Vial 28

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

Sample Info:

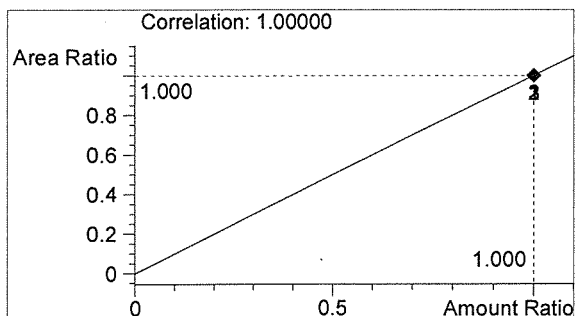


#	Compound	Peak Area	RT (min)
1	Ethanol	3051	1.085
2	n-Propanol	2632	1.764



Ethanol 0.252 g/100mL

*RF*



n-Propanol 0.012 g/100mL

*RF*

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

Inj. Date: 11/18/2016 10:58:47 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

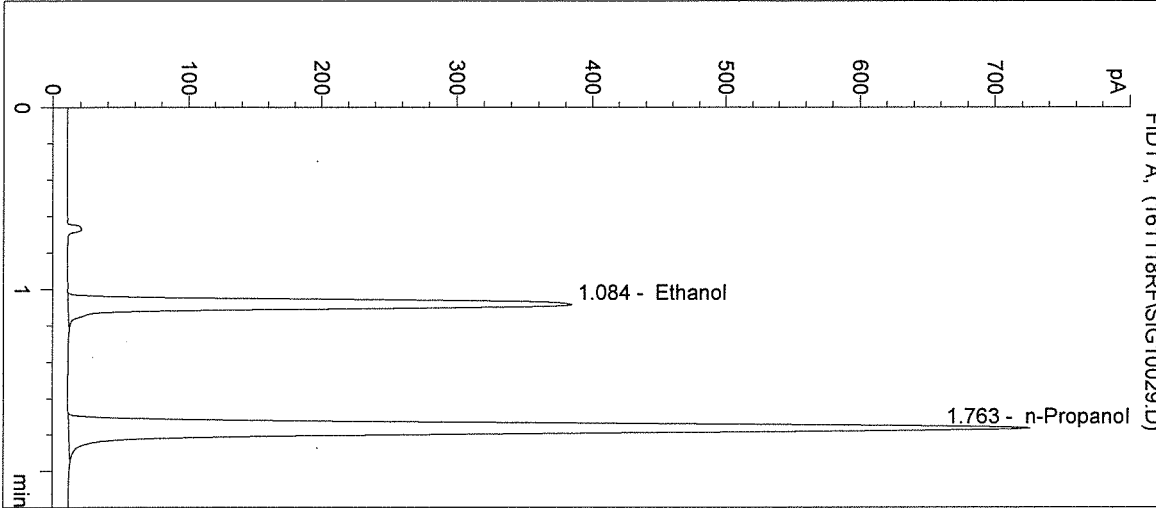
Operator: Rebecca Flaherty

Column: DB-ALC1

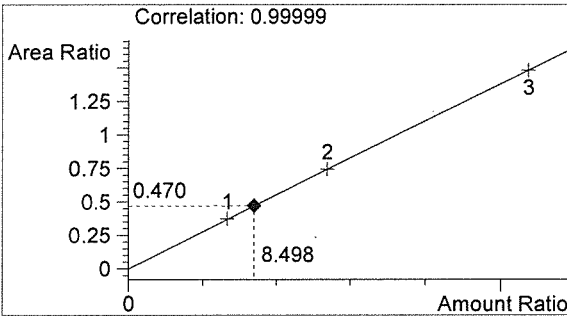
Location: Vial 29

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

Sample Info: 16049

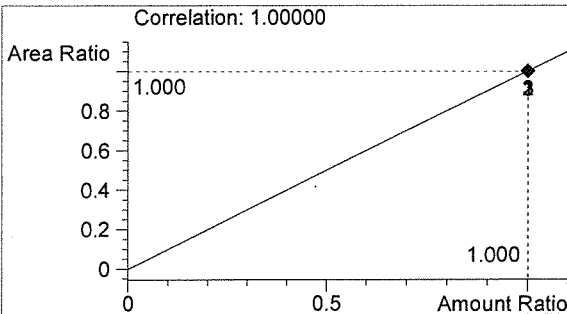


#	Compound	Peak Area	RT (min)
1	Ethanol	1271	1.084
2	n-Propanol	2701	1.763



Ethanol 0.102 g/100mL

*BW*

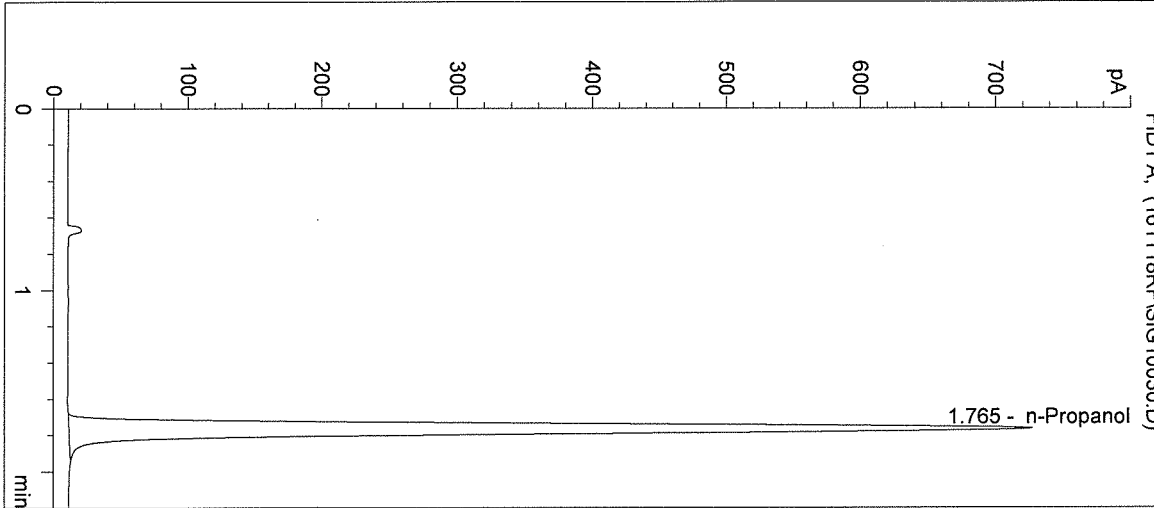


n-Propanol 0.012 g/100mL

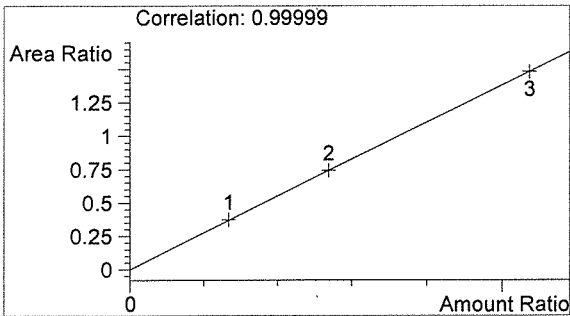
*RF*

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

Inj. Date: 11/18/2016 11:01:58 AM      Sample Name: NEG CTRL  
Instrument: HSGC#1      Operator: Rebecca Flaherty  
Column: DB-ALC1      Location: Vial 30  
Method: C:\HPCHEM\1\METHODS\SIMALC1.M  
Sample Info: 16049

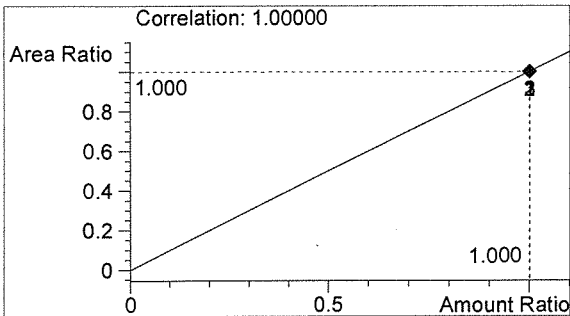


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2712	1.765



Ethanol      0.000 g/100mL

*BW*



n-Propanol      0.012 g/100mL

*RF*