WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

ASCLD/LAB-International ACCREDITED
LABORATORY SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17045

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.04 g/210L
DATE PREPARED: 06/22/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Asa J. Louis

	AJL	EW	AG
1	0.050	0.049	0.049
2	0.050	0.050	0.049
3	0.049	0.050	0.049
4	0.049	0.049	0.049
5	0.050	0.050	0.049
C	0.101	0.102	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0494 g/100mL
STANDARD DEVIATION: 0.00051
PRECISION CV (%): 1.03
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0402 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas — Forensic Scientist Supervisor

7/6/17
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

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

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

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP- FLSB Seattle, WA Solution Batch Number: 17045

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

Comments:

Reviewer Signature: [signature] Date: 8-2-17

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

QAP Solution Batch #: 17045 **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	0.050	0.049	0.049
2	0.050	0.050	0.049
3	0.049	0.050	0.049
4	0.049	0.049	0.049
5	0.050	0.050	0.049
C	0.101	0.102	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000070247	0.0000108206	0.0001016326

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

Average Solution Concentration: 0.0494 g/100mL
Standard Deviation: 0.00051 g/100mL
Precision CV (%): 1.03
Equivalent Vapor Concentration: 0.0402 g/210L
Combined Standard Uncertainty (±): 0.0005 g/210L
Expanded Uncertainty (±): 0.0010 coverage factor (k) =2 (95.45% level of confidence)

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

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

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

Washington State Patrol Toxicology Laboratory Division

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	AG	7/5/17
Asa Louis	AL	20170628
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	6/28/17
Justin Knoy		
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17045 BT 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

0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17045

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 17045, 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

0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17045

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 17045, 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
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0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17045

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 17045, 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

July 5, 2017

Andrew Gingras — Date

Forensic Scientist

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

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

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		17045
QAP 0.08	22.4	18		17046
QAP ~~0.10~~ 0.08	~~28.1~~ 22.4 M 20170622	18		17047
QAP 0.15	42.1	18		17048
QAP 0.20	56.1	18		17049
ESS	66.5	52		

Stir bar is rotating ✓

Stirred for minimum 30 minutes; 2 hours for ESS ✓

Spigot purged ✓

Aliquot taken ✓

Batch labeled, packaged and sealed ✓ 20170622 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:

Analyst Signature

20170622 Date

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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~~ 2017 AL 20170622
cal data in qap 17045
D.Inter #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 - 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		

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AL

Sequence: C:\HPCHEM\1\SEQUENCE\AL-QAP1.S

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!

17045
for
6/24/17

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

Calibration Table

Calib. Data Modified : Thursday, June 22, 2017 10:00:11 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.087	1	1	7.91500e-2	997.83850	7.93215e-5	1		Ethanol
		2	1.58300e-1	1905.48706	8.30759e-5			
		3	3.19520e-1	3837.94385	8.32529e-5			
1.767	1	1	1.20000e-2	2838.33496	4.22783e-6	I1		n-Propanol
		2	1.20000e-2	2758.89819	4.34956e-6			
		3	1.20000e-2	2771.85400	4.32923e-6			

Peak Sum Table

No Entries in table

17045
6/28/17

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Calibration Curves

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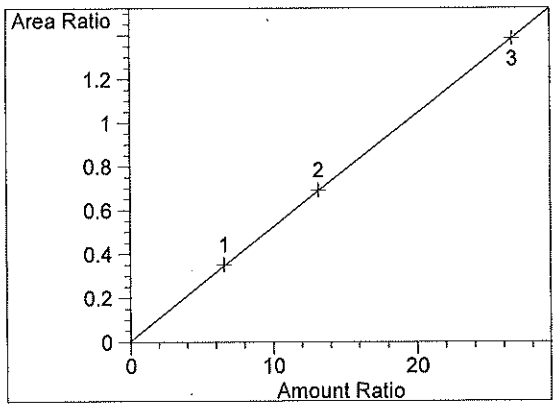
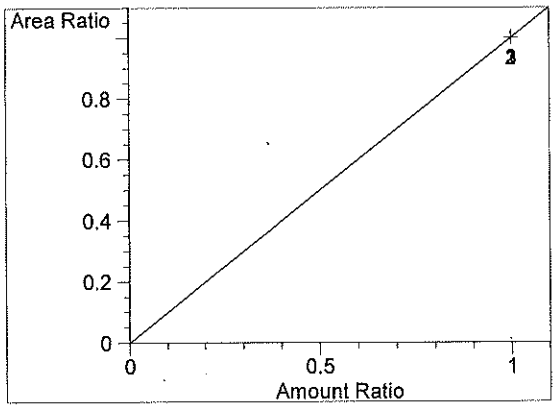


Ethanol at exp. RT: 1.087
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00491
Formula: y = mx + b
m: 5.19096e-2
b: 4.37507e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.767
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

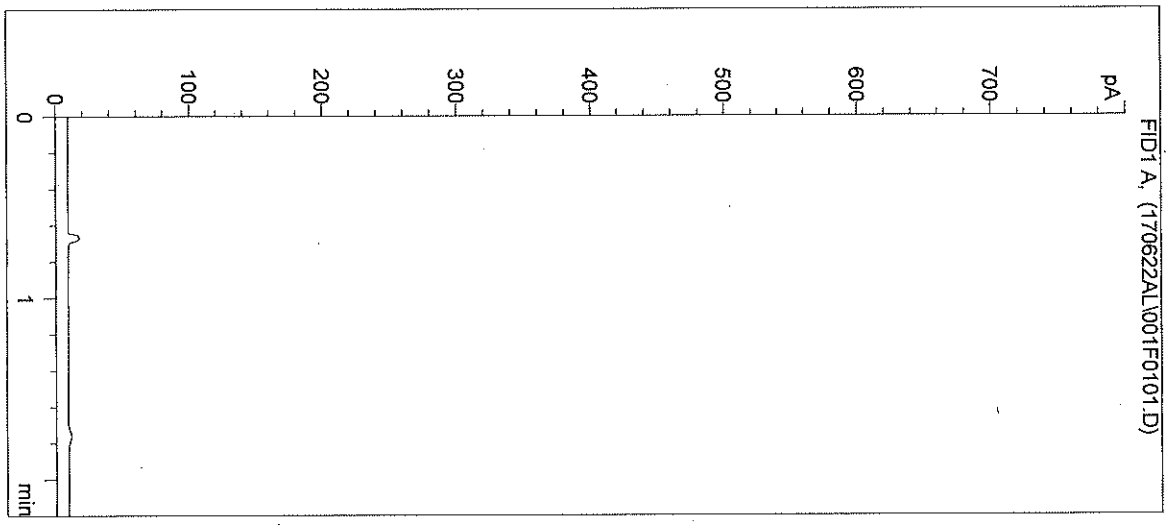
17045

BT 10/25/17

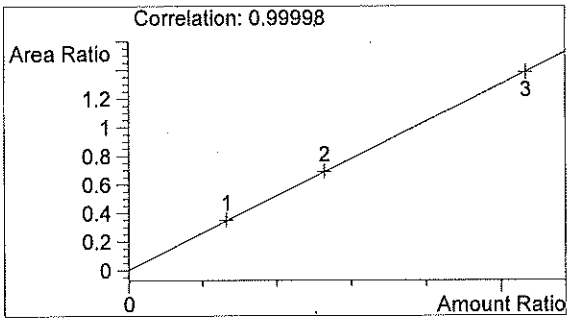
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 9:48:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

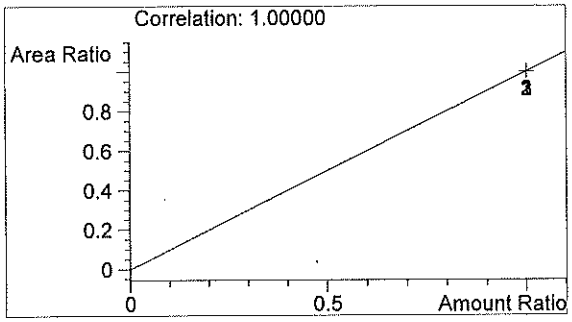
Sample Name: blank
Operator: asa louis
Location: Vial 1



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



Ethanol 0.000 g/100mL

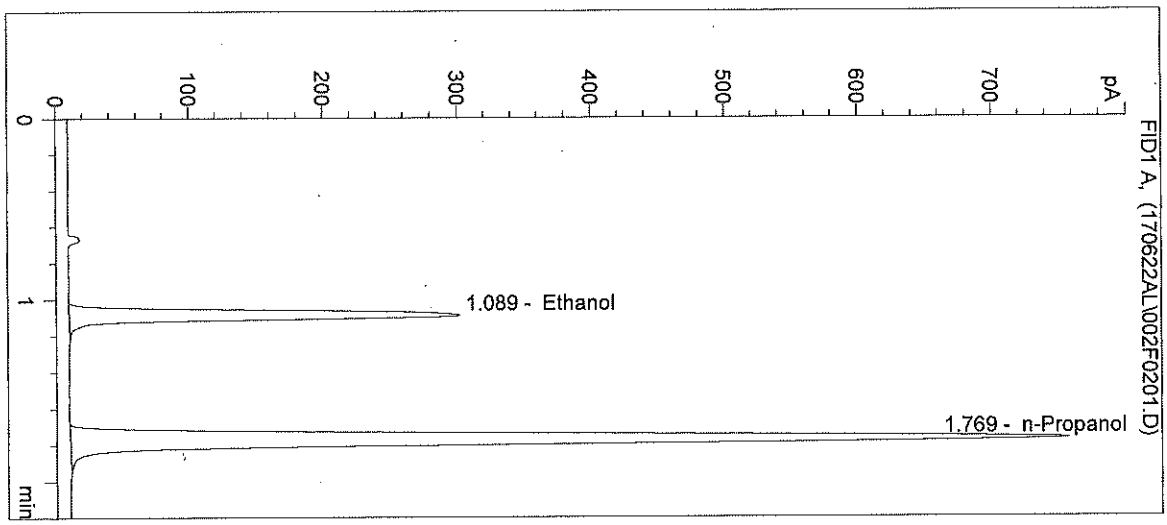


n-Propanol 0.000 g/100mL

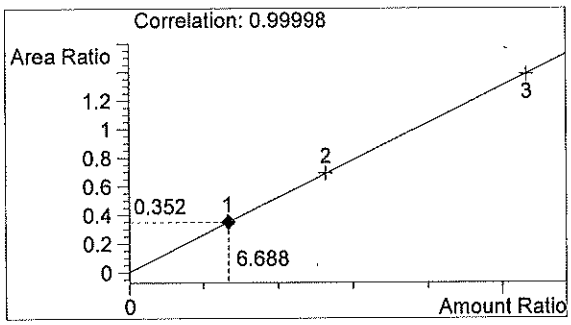
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 9:51:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

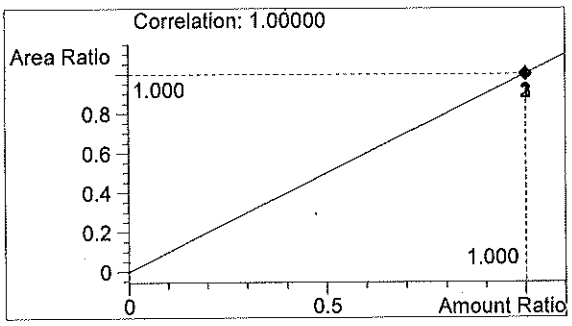
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	998	1.089
2	n-Propanol	2838	1.769



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

Washington State Patrol Toxicology Laboratory
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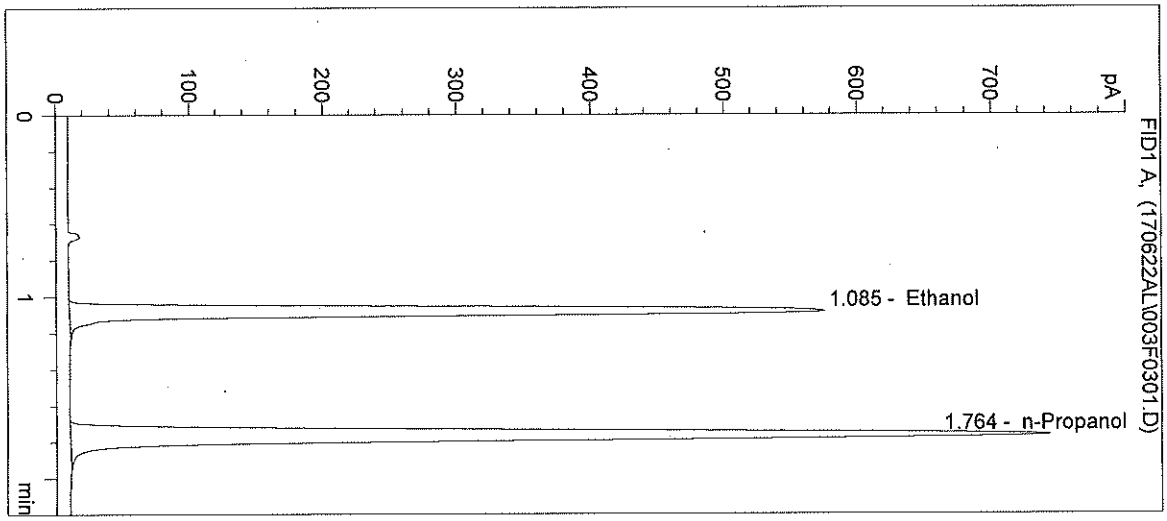
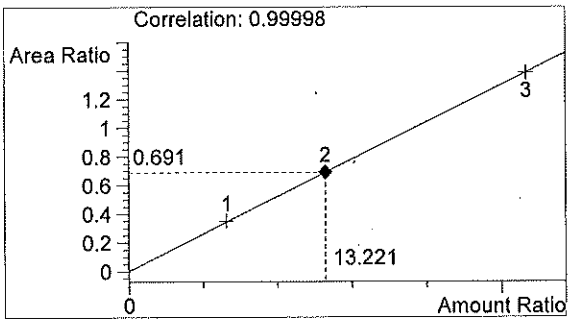
Inj. Date: 6/22/2017 9:54:40 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

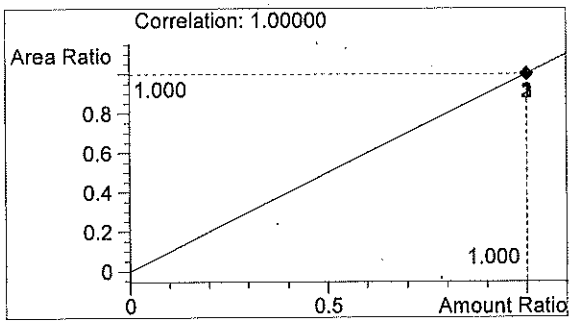
Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1905	1.085
2	n-Propanol	2759	1.764



Ethanol 0.159 g/100mL

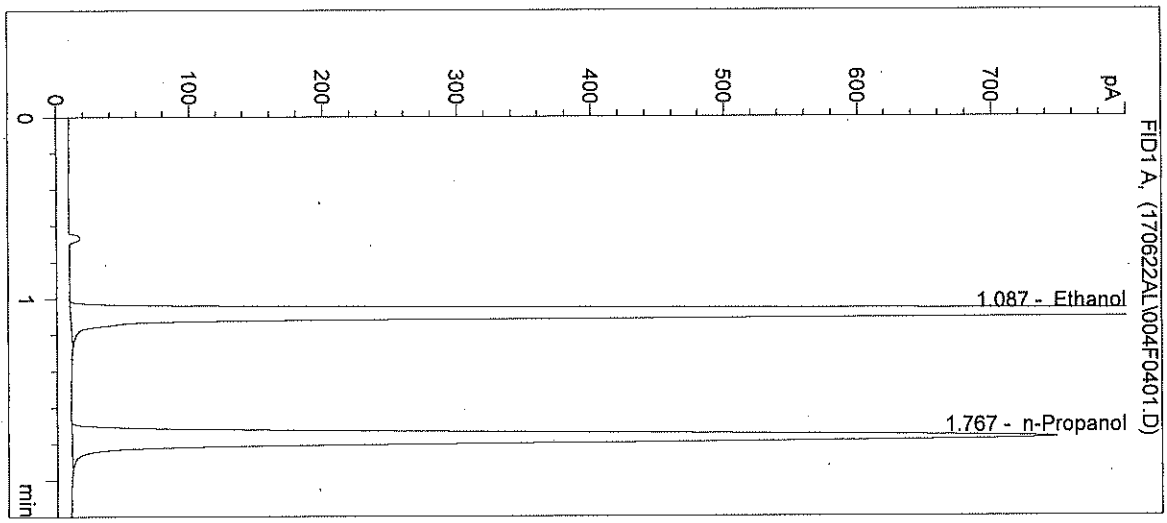


n-Propanol 0.012 g/100mL

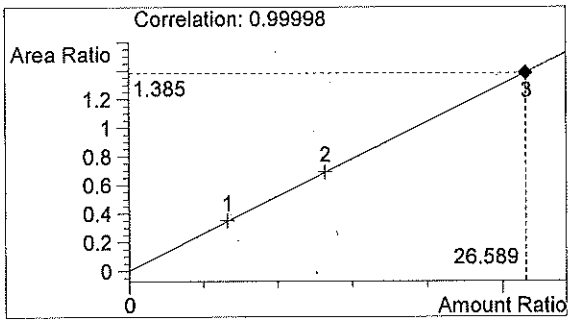
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 9:57:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

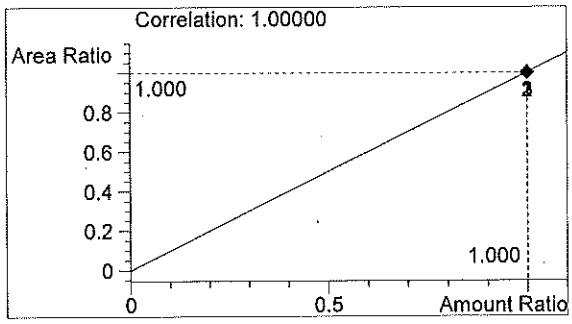
Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3838	1.087
2	n-Propanol	2772	1.767



Ethanol 0.319 g/100mL

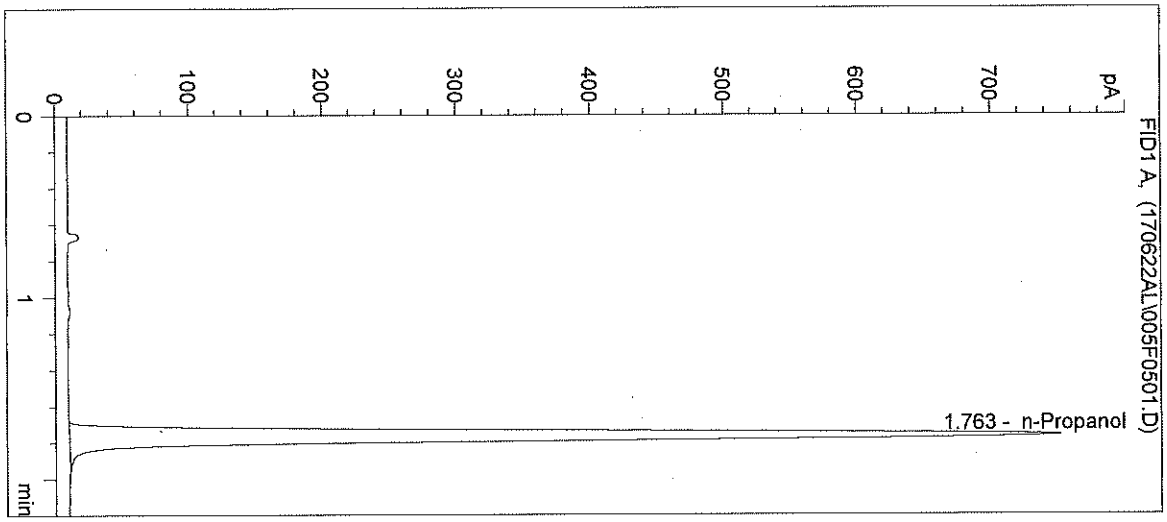


n-Propanol 0.012 g/100mL

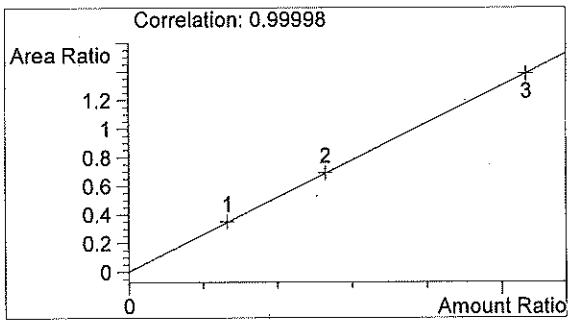
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:01:11 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 5

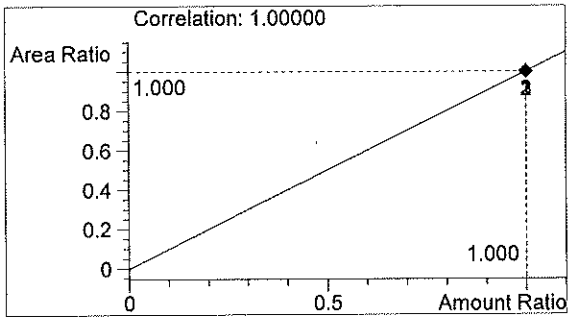


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2785	1.763



Ethanol 0.000 g/100mL

BT



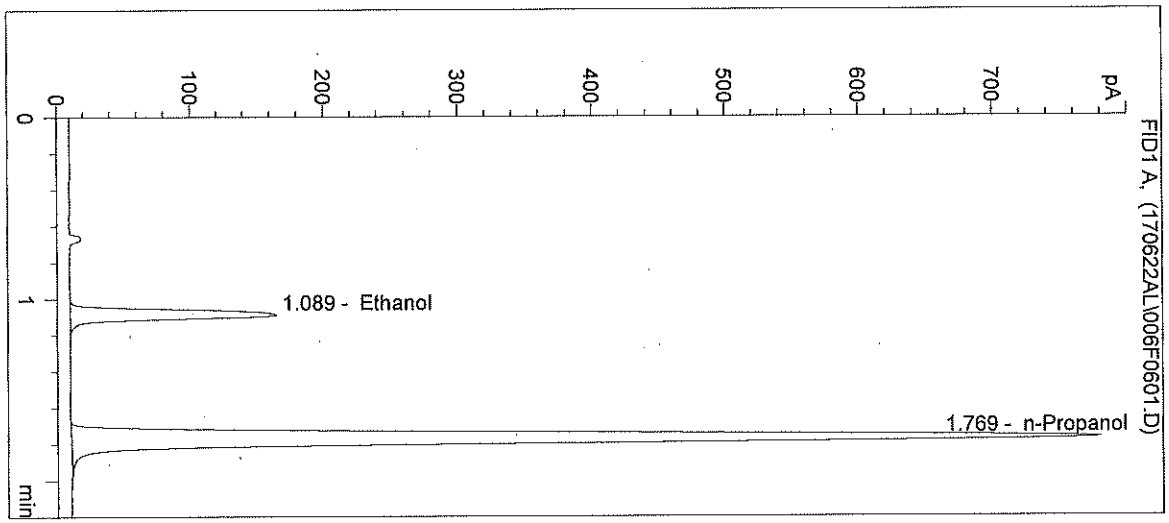
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622AL\005F0501.D

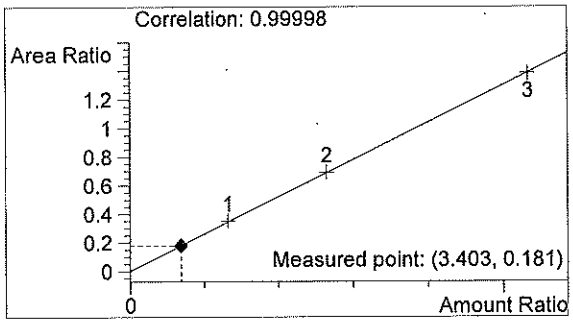
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:04:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

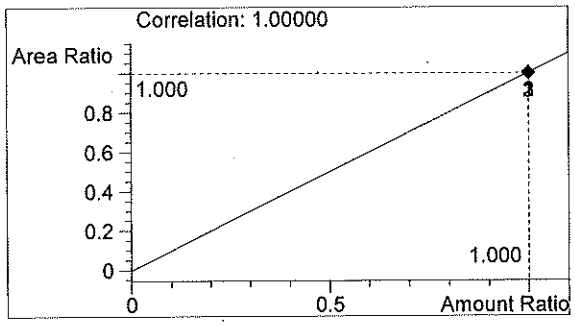
Sample Name: 0.04 ctrl - al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	528	1.089
2	n-Propanol	2918	1.769



Ethanol 0.041 g/100mL

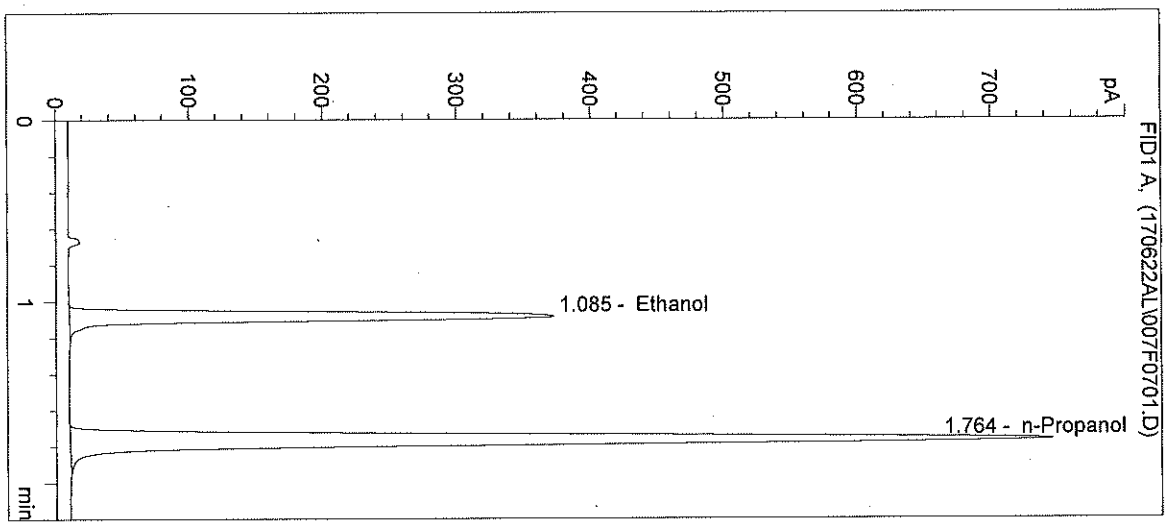


n-Propanol 0.012 g/100mL

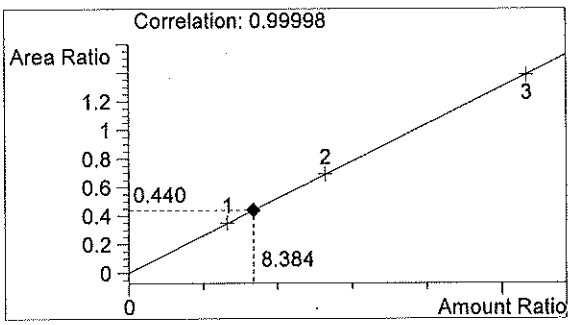
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:07:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

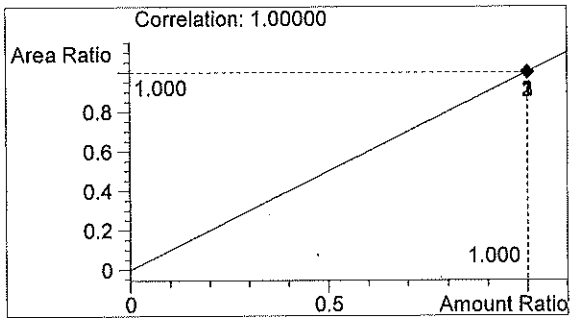
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.085
2	n-Propanol	2760	1.764



Ethanol 0.101 g/100mL

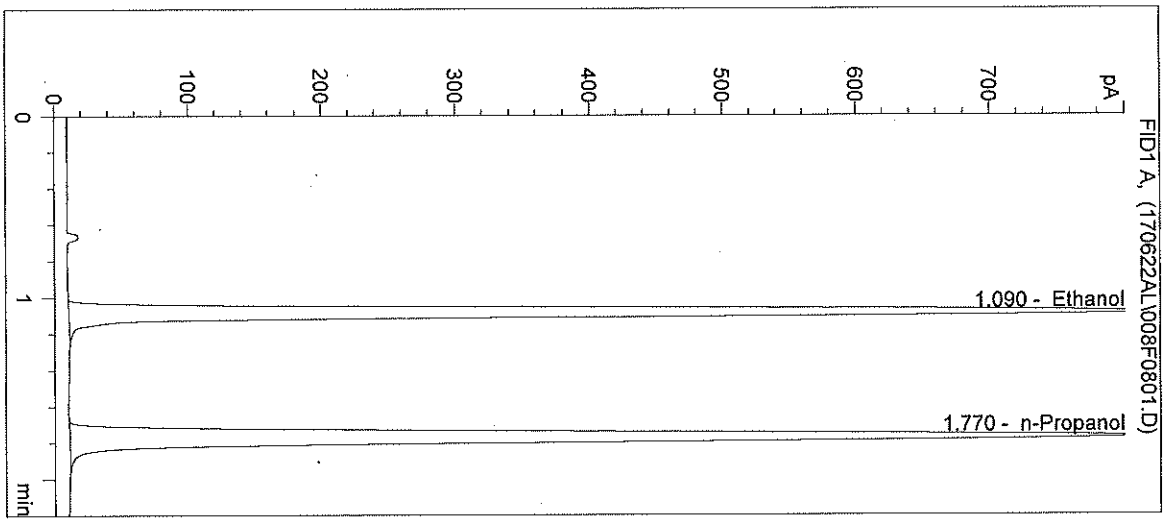


n-Propanol 0.012 g/100mL

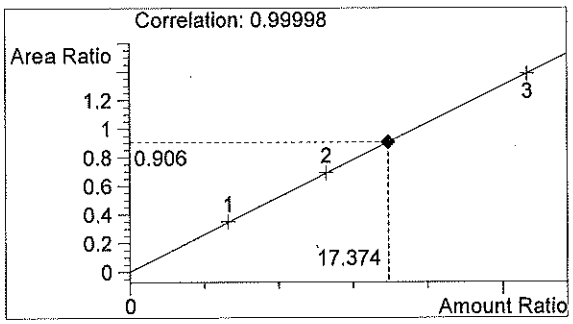
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:10:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

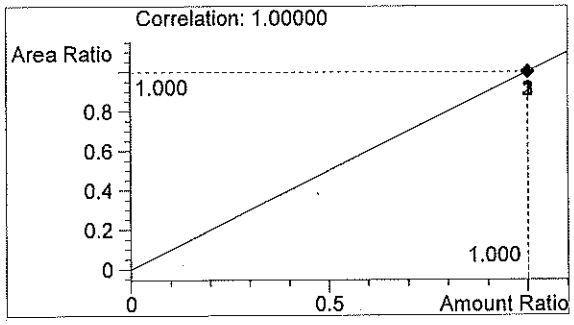
Sample Name: 0.20 ctrl - al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2758	1.090
2	n-Propanol	3044	1.770



Ethanol 0.208 g/100mL

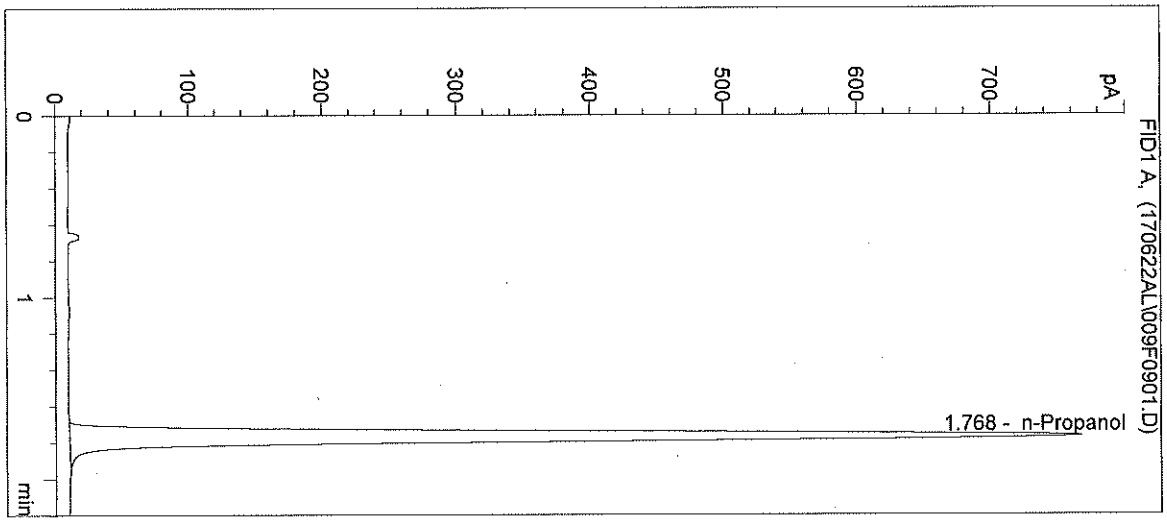


n-Propanol 0.012 g/100mL

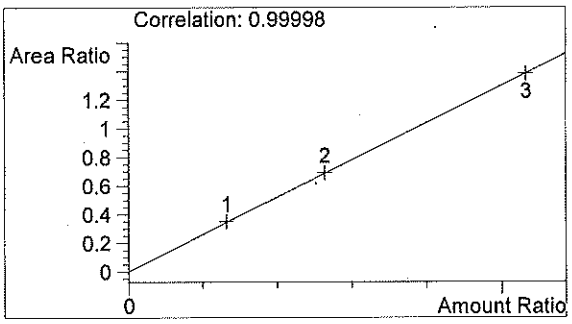
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:14:04 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

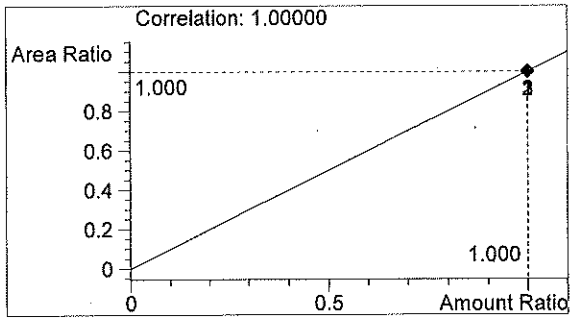
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2862	1.768



Ethanol 0.000 g/100mL

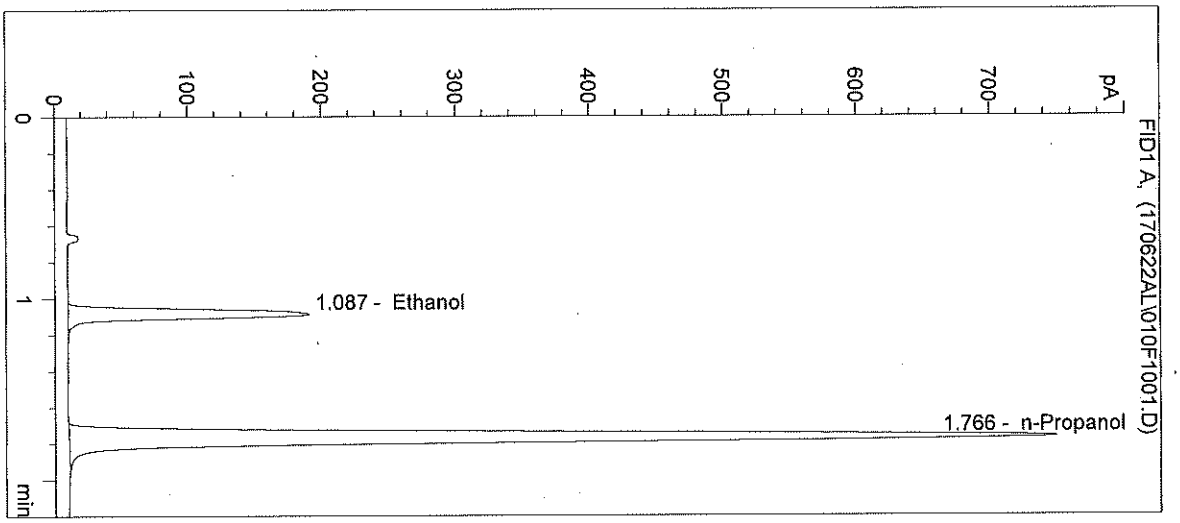


n-Propanol 0.012 g/100mL

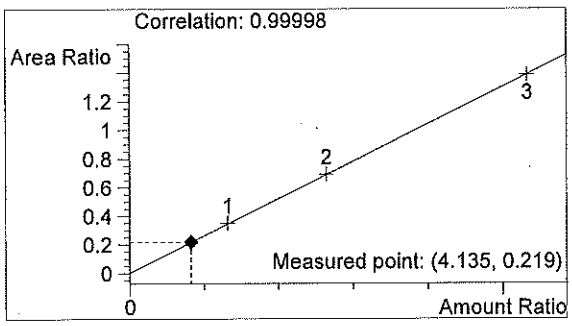
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:17:17 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

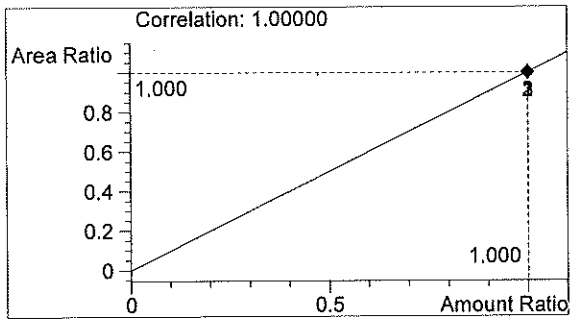
Sample Name: qap 17045 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	609	1.087
2	n-Propanol	2779	1.766



Ethanol 0.050 g/100mL

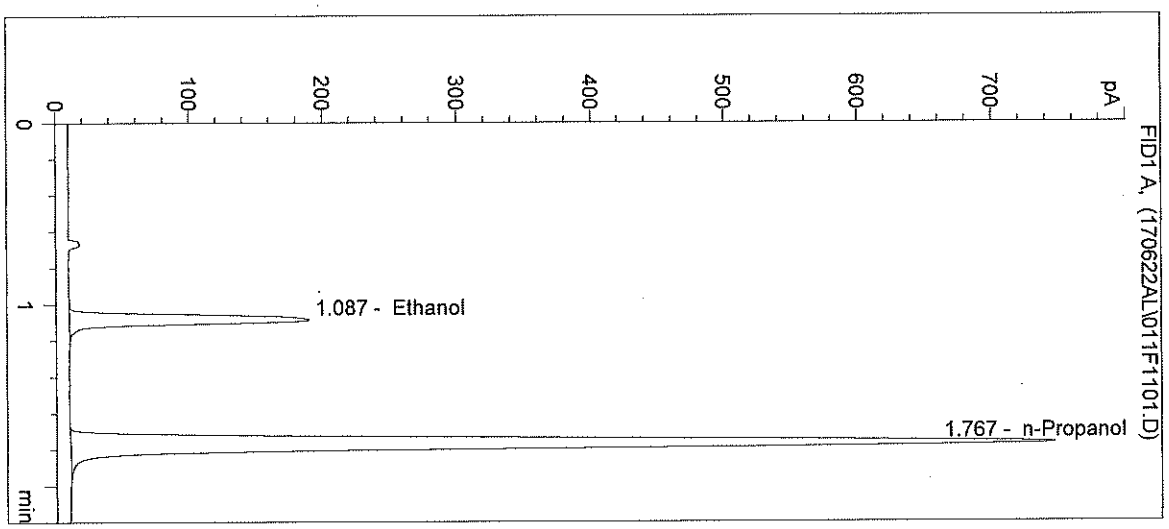


n-Propanol 0.012 g/100mL

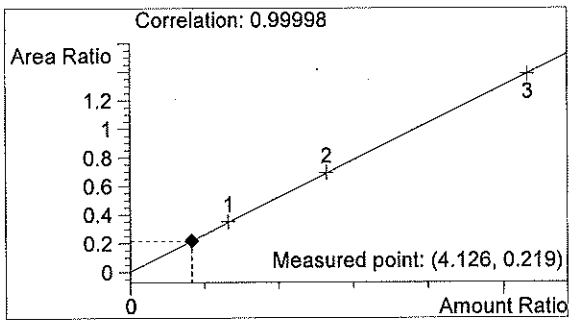
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:20:30 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

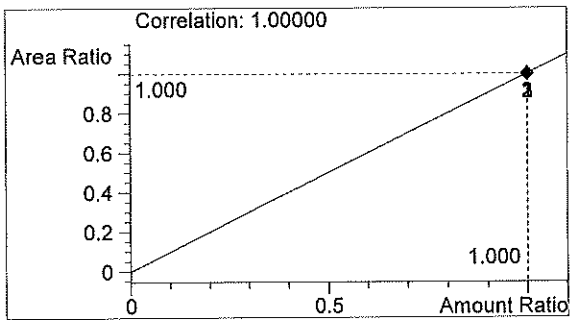
Sample Name: qap 17045 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	608	1.087
2	n-Propanol	2781	1.767



Ethanol 0.050 g/100mL

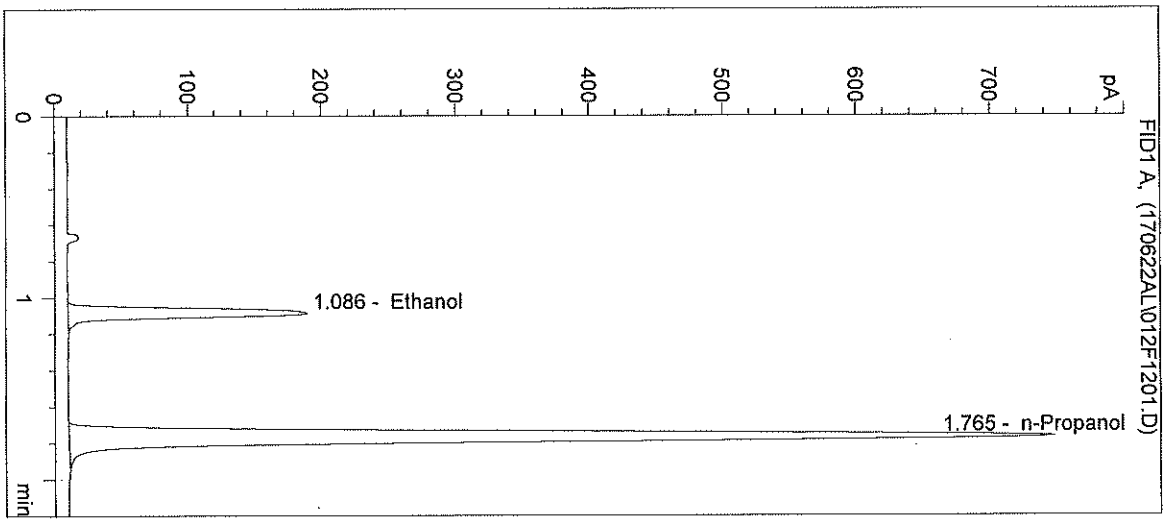


n-Propanol 0.012 g/100mL

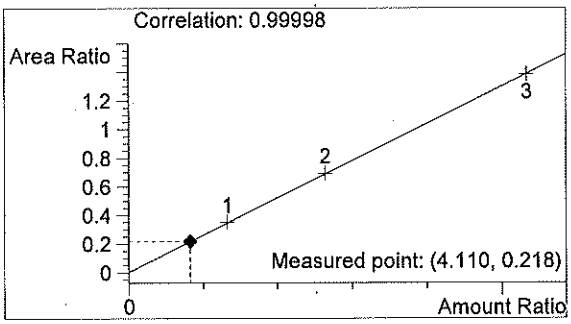
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:23:44 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

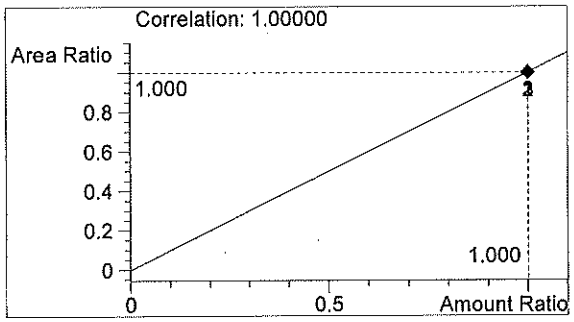
Sample Name: qap 17045 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	602	1.086
2	n-Propanol	2764	1.765



Ethanol 0.049 g/100mL

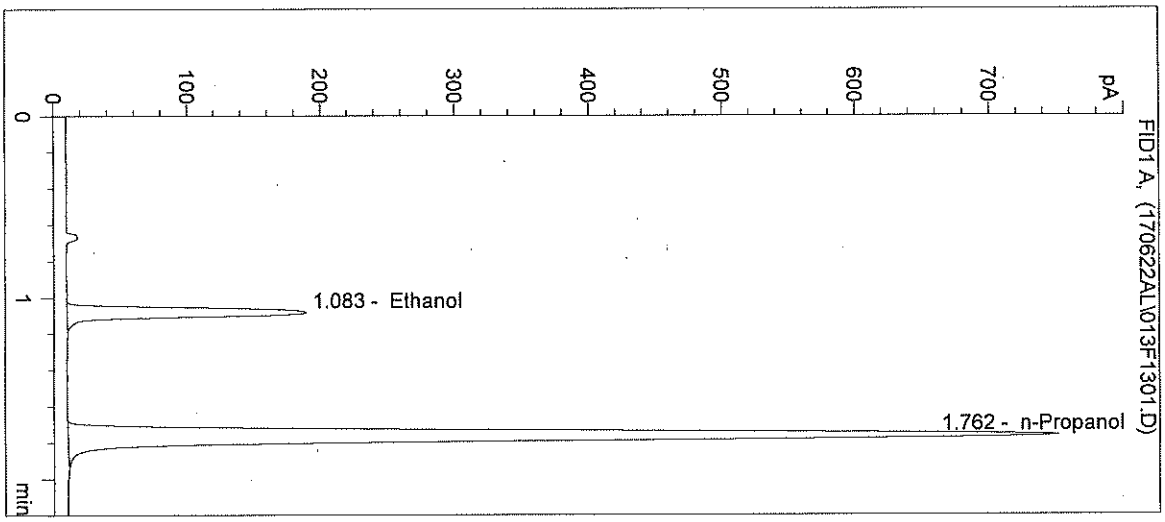


n-Propanol 0.012 g/100mL

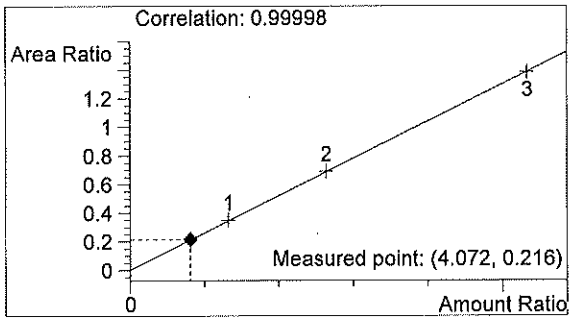
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:26:57 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

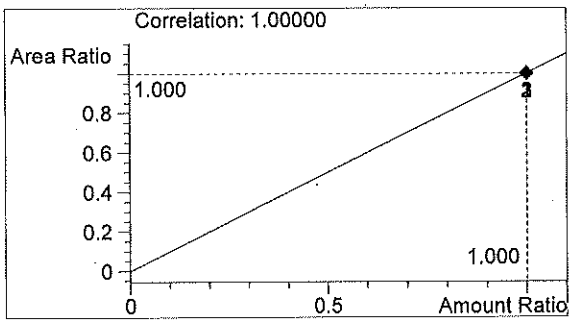
Sample Name: qap 17045 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	598	1.083
2	n-Propanol	2772	1.762



Ethanol 0.049 g/100mL

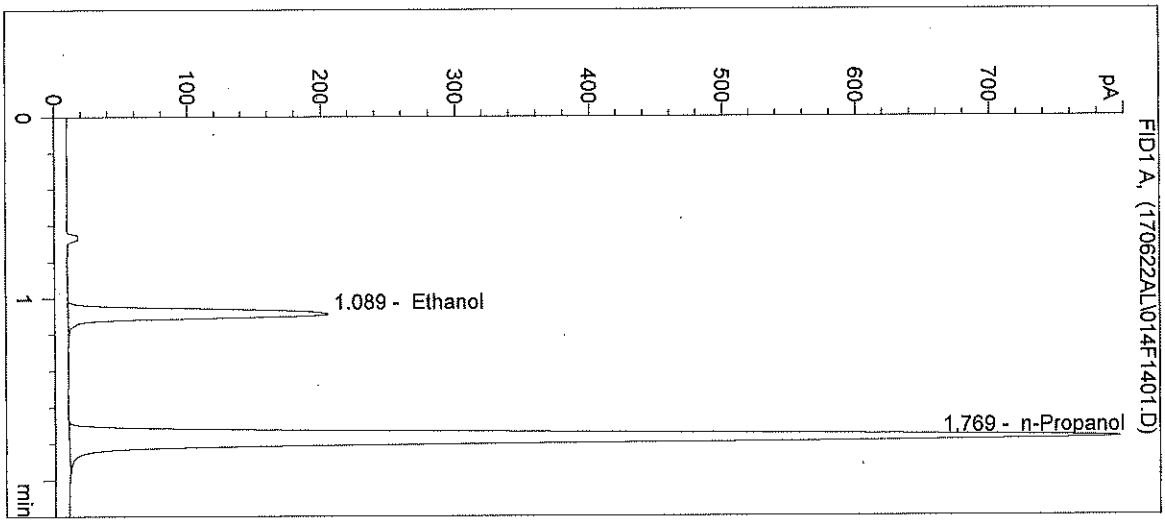


n-Propanol 0.012 g/100mL

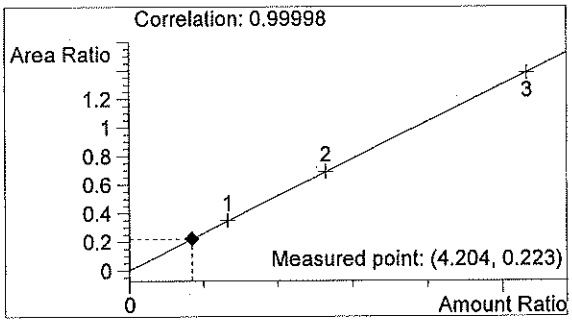
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:30:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

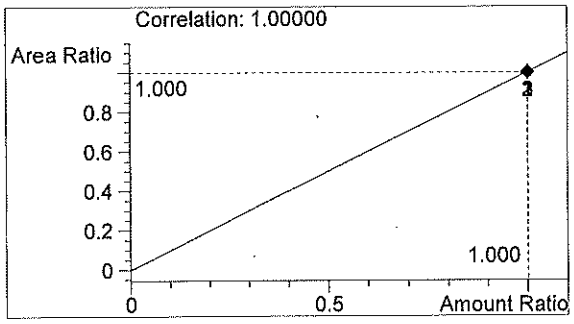
Sample Name: qap 17045 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	665	1.089
2	n-Propanol	2986	1.769



Ethanol 0.050 g/100mL

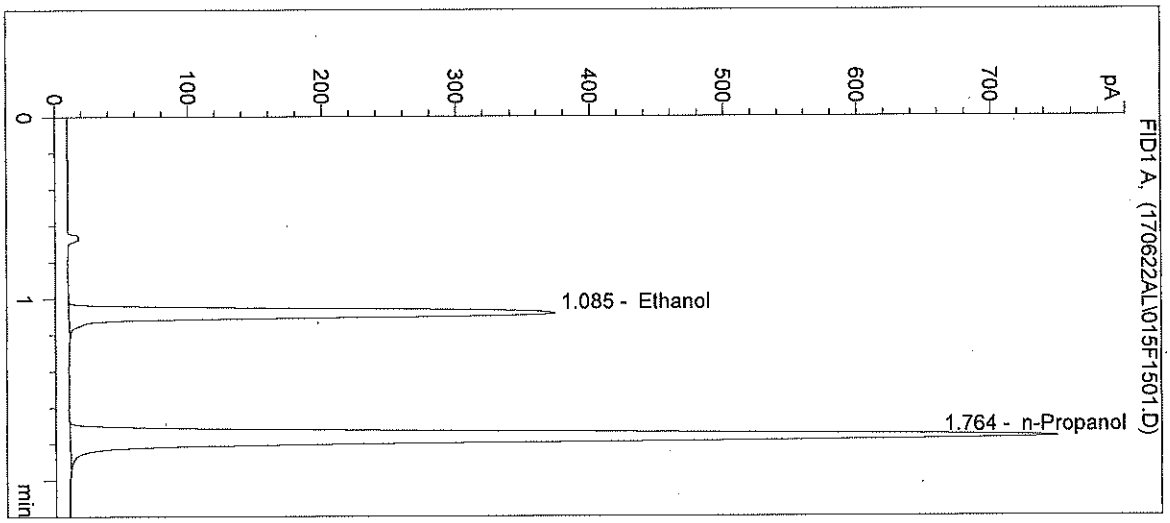


n-Propanol 0.012 g/100mL

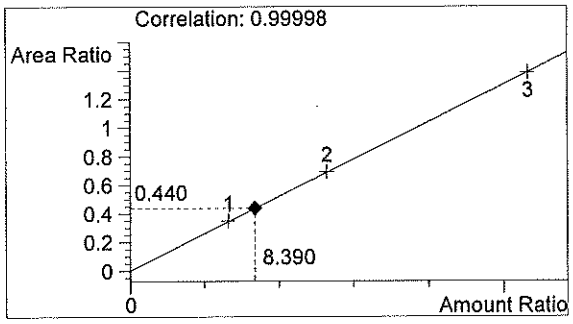
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:33:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

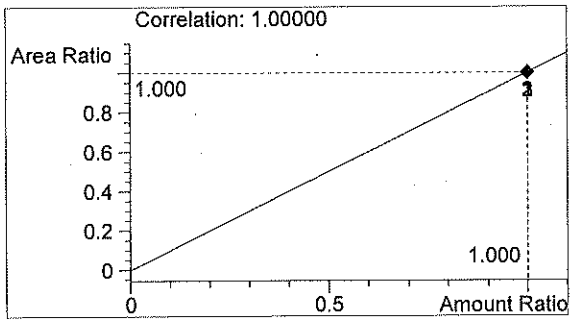
Sample Name: 0.10 ctrl - al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1217	1.085
2	n-Propanol	2767	1.764



Ethanol 0.101 g/100mL

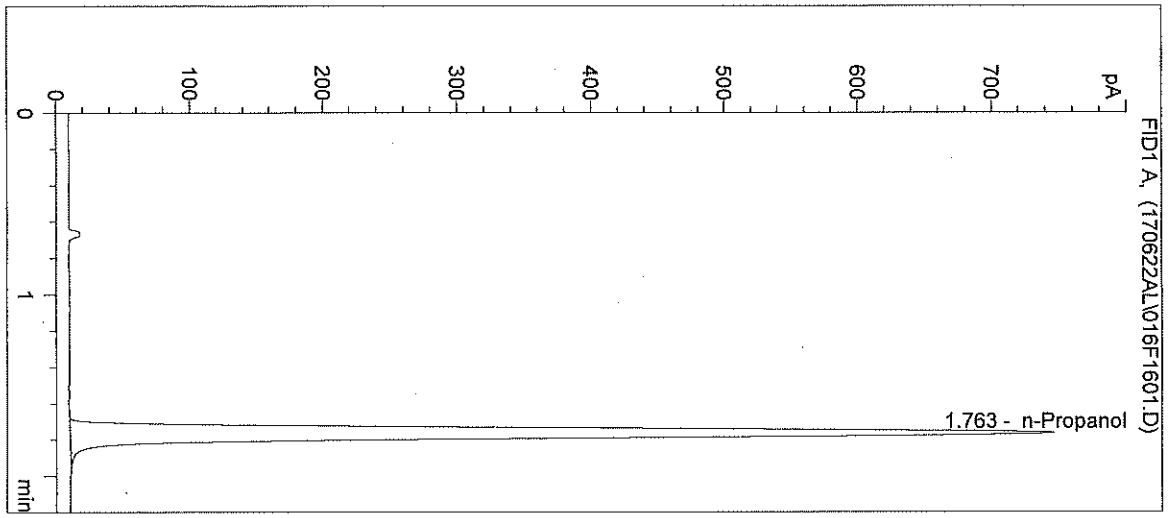


n-Propanol 0.012 g/100mL

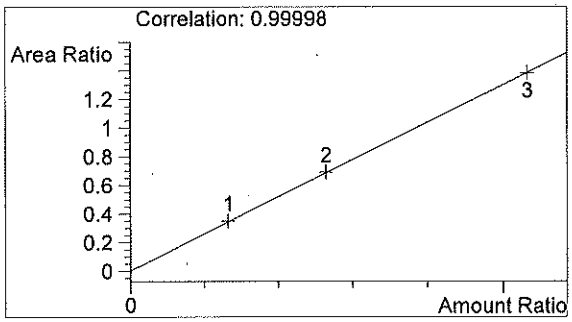
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 10:36:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

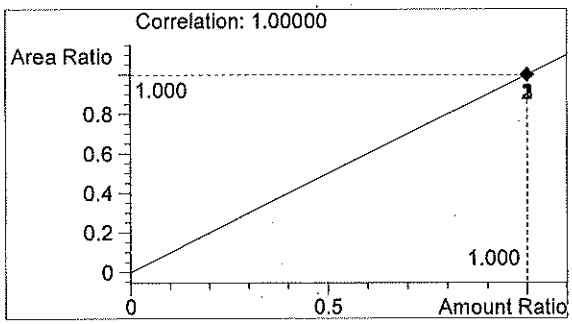
Sample Name: neg ctrl - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2753	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\EW-QAP2.S

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 EW 6/28/17

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		

17045 KT 6/28/17

EW

Sequence: C:\HPCHEM\1\SEQUENCE\EW-QAP2.S

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!

17045

BT
6/28/17

EW

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

Calibration Table

Calib. Data Modified : Thursday, June 22, 2017 4:20:55 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.087	1	1	7.91500e-2	1034.50818	7.65098e-5	1		Ethanol
		2	1.58300e-1	2140.96313	7.39387e-5			
		3	3.19520e-1	3866.63354	8.26352e-5			
1.767	1	1	1.20000e-2	2913.81079	4.11832e-6	I1		n-Propanol
		2	1.20000e-2	3011.75098	3.98439e-6			
		3	1.20000e-2	2780.34180	4.31602e-6			

Peak Sum Table

No Entries in table

17045
PT
6/25/17

EW

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Calibration Curves

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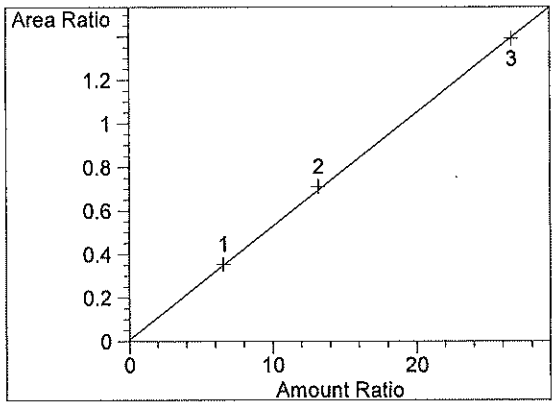
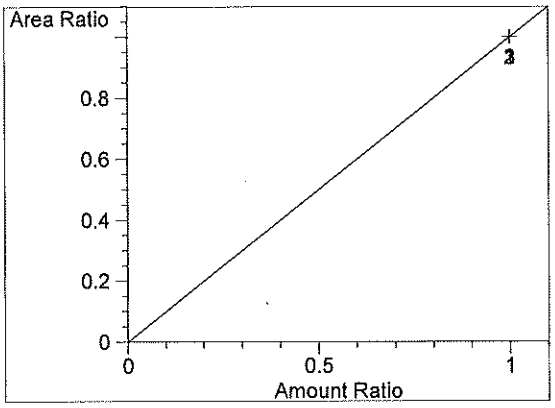


Ethanol at exp. RT: 1.087
FID1 A,
Correlation: 0.99985 ✓
Residual Std. Dev.: 0.01277
Formula: y = mx + b
m: 5.21833e-2
b: 8.64178e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.767
FID1 A,
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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17045

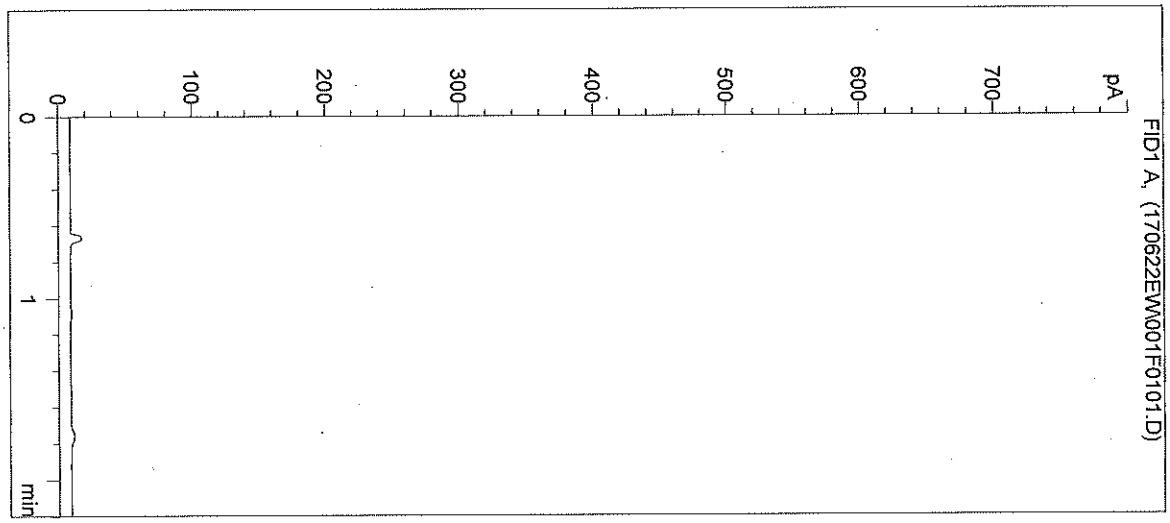
WT 6/28/17

EW

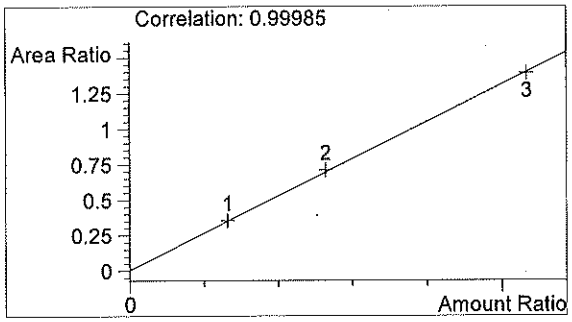
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:08:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

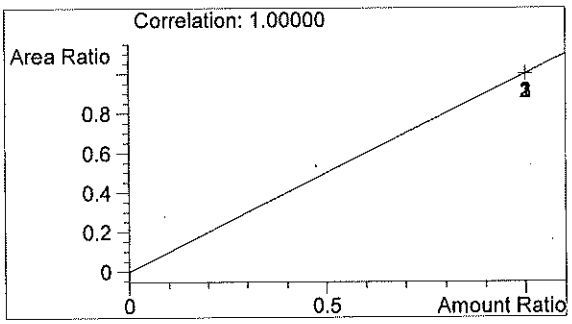
Sample Name: blank
Operator: Elizabeth Wehner
Location: Vial 1



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



Ethanol 0.000 g/100mL

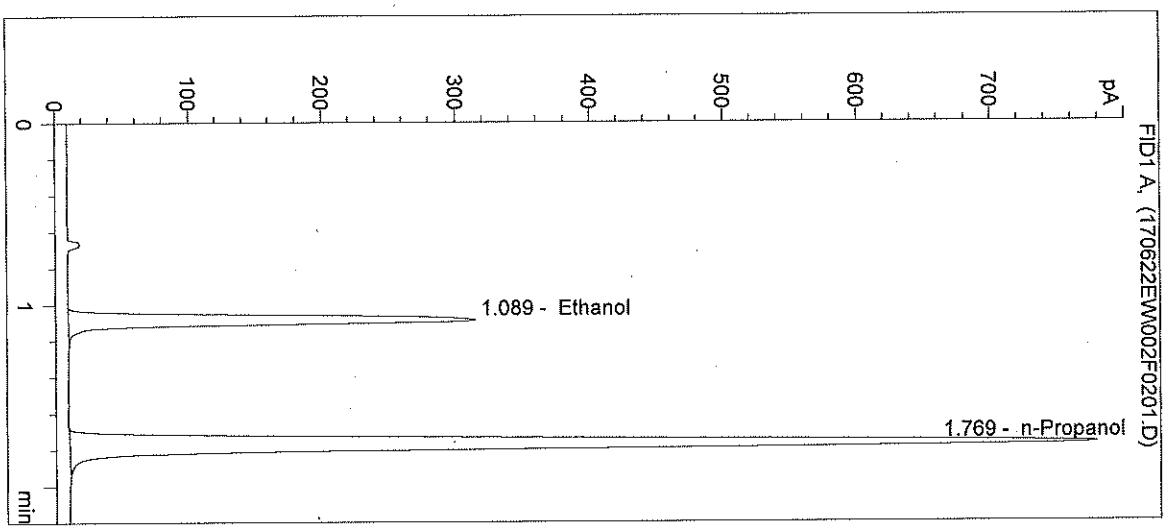


n-Propanol 0.000 g/100mL

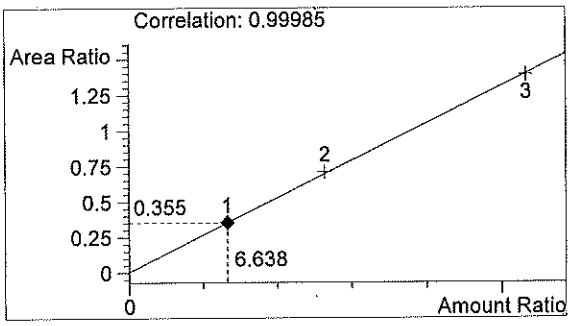
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:12:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

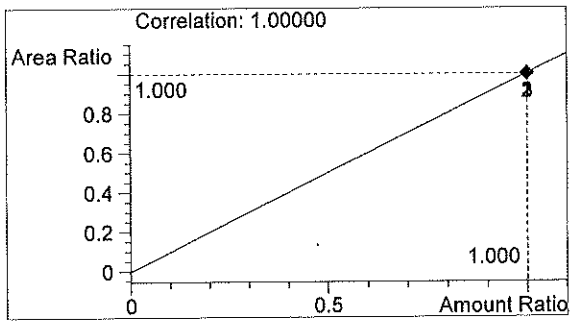
Sample Name: 0.079 cal 1
Operator: Elizabeth Wehner
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1035	1.089
2	n-Propanol	2914	1.769



Ethanol 0.080 g/100mL



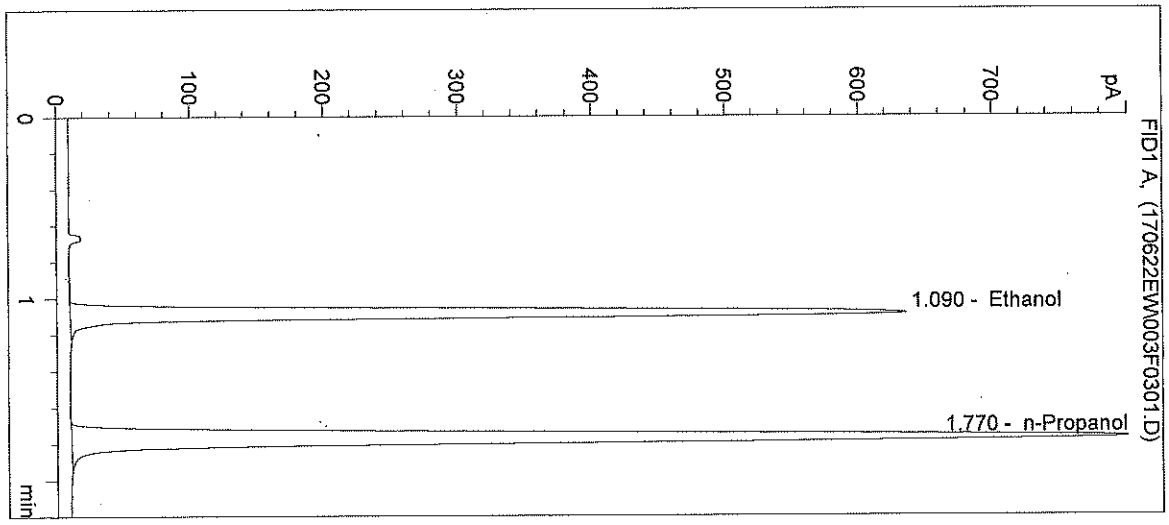
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\002F0201.D

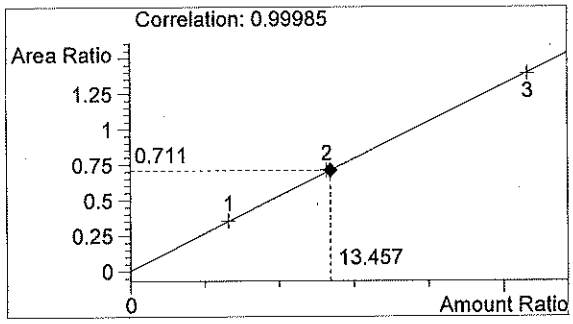
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:15:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

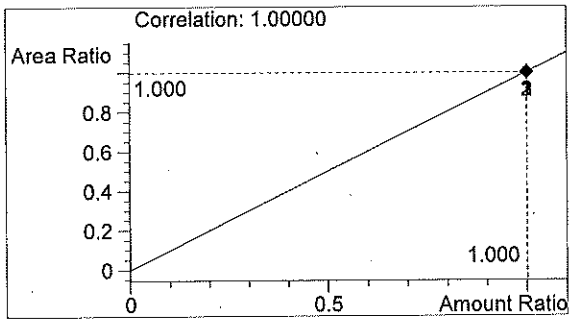
Sample Name: 0.158 cal 2
Operator: Elizabeth Wehner
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	2141	1.090
2	n-Propanol	3012	1.770



Ethanol 0.161 g/100mL



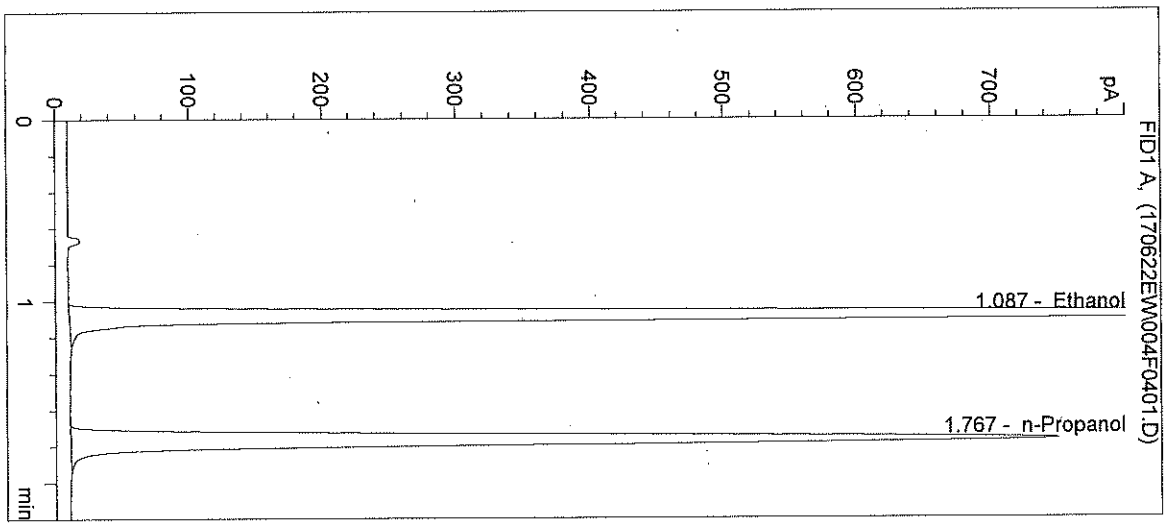
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\003F0301.D

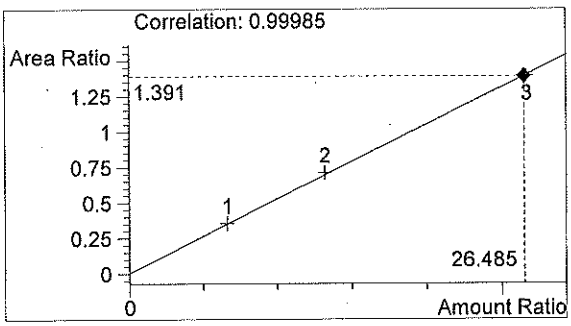
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:18:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

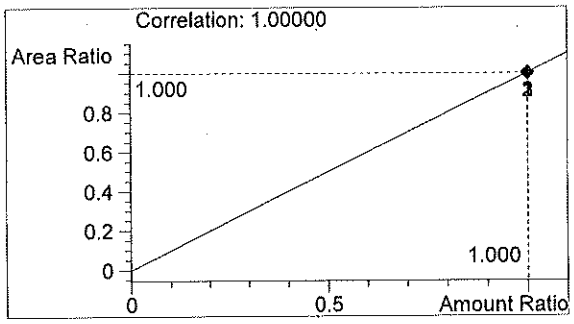
Sample Name: 0.316 cal 3
Operator: Elizabeth Wehner
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3867	1.087
2	n-Propanol	2780	1.767



Ethanol 0.318 g/100mL



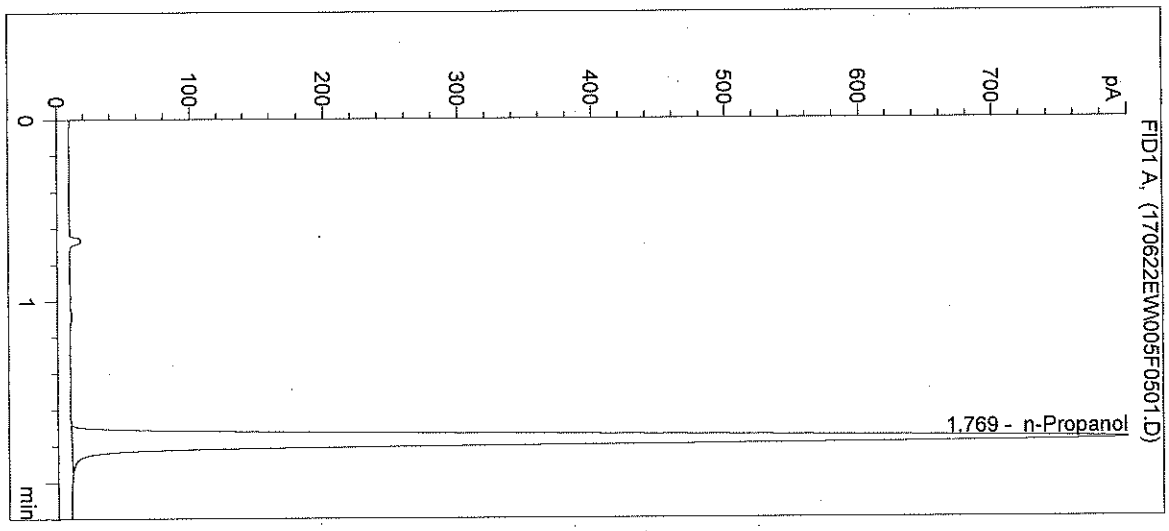
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\004F0401.D

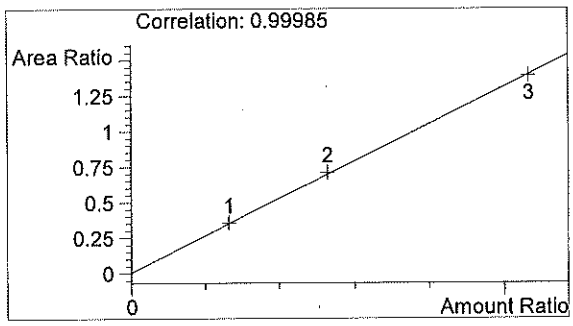
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:21:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

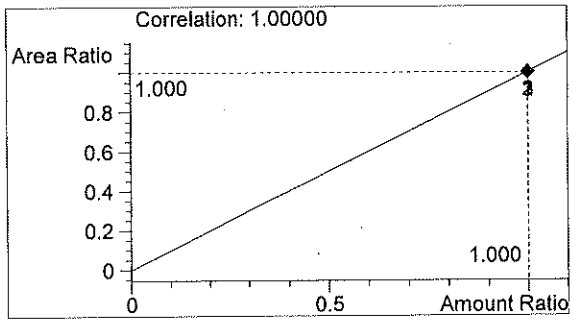
Sample Name: neg ctrl
Operator: Elizabeth Wehner
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3005	1.769



Ethanol 0.000 g/100mL



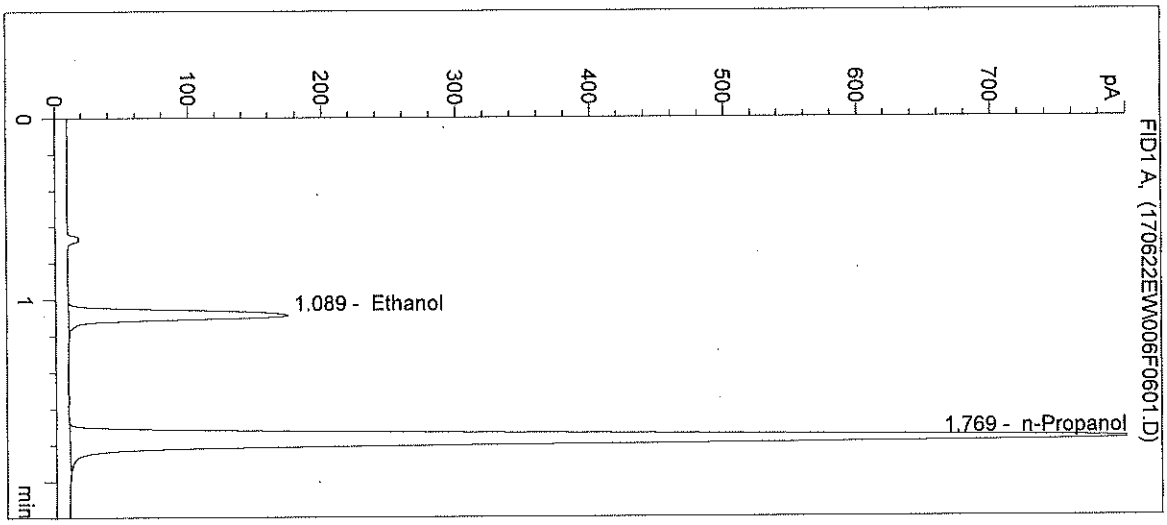
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\005F0501.D

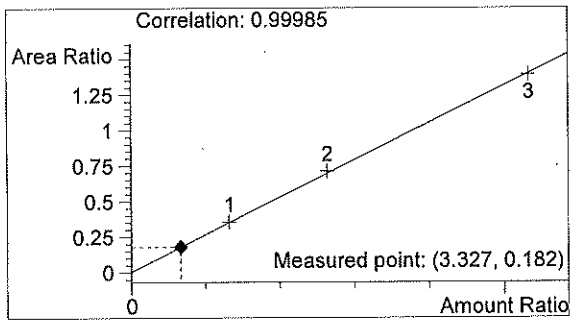
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:25:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

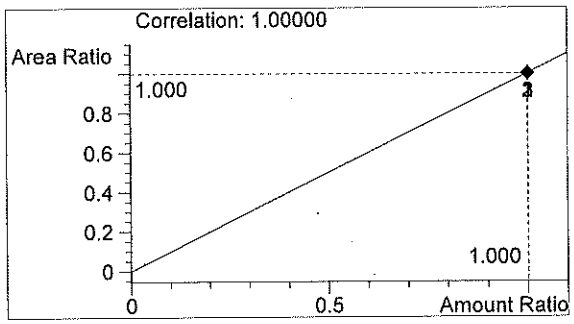
Sample Name: 0.04 ctrl
Operator: Elizabeth Wehner
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	561	1.089
2	n-Propanol	3077	1.769



Ethanol 0.040 g/100mL

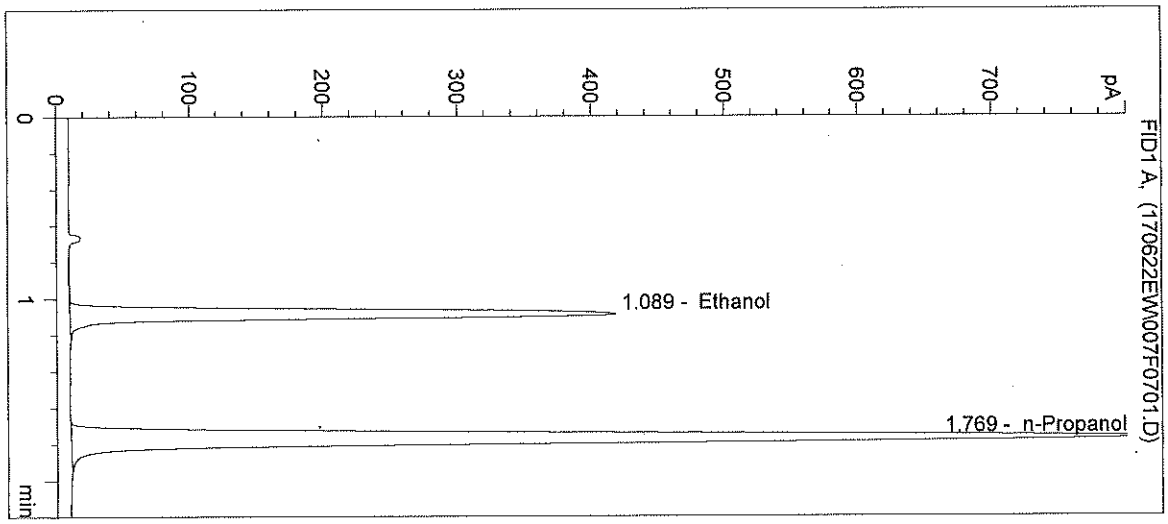


n-Propanol 0.012 g/100mL

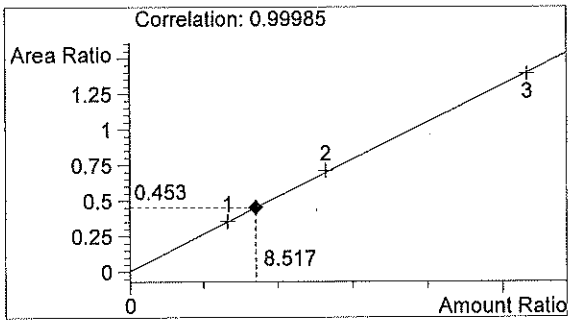
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:28:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

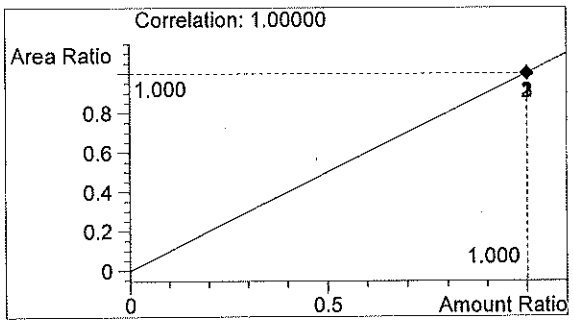
Sample Name: 0.10 ctrl
Operator: Elizabeth Wehner
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1393	1.089
2	n-Propanol	3075	1.769



Ethanol 0.102 g/100mL



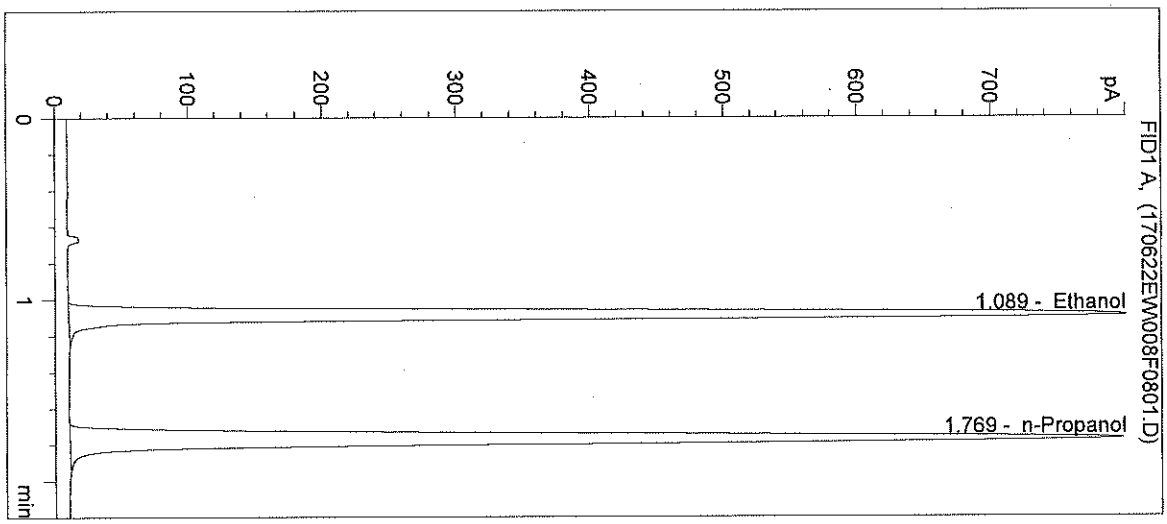
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\007F0701.D

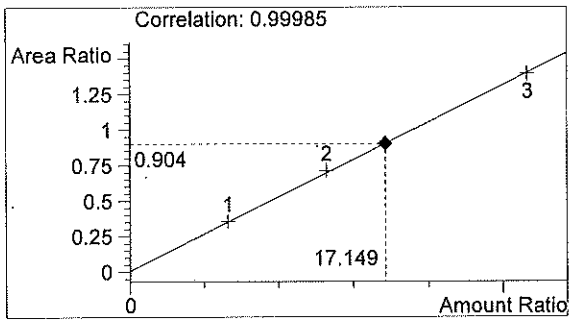
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:31:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

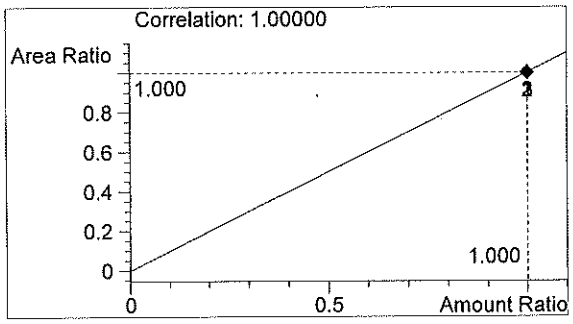
Sample Name: 0.20 ctrl
Operator: Elizabeth Wehner
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2690	1.089
2	n-Propanol	2978	1.769



Ethanol 0.206 g/100mL



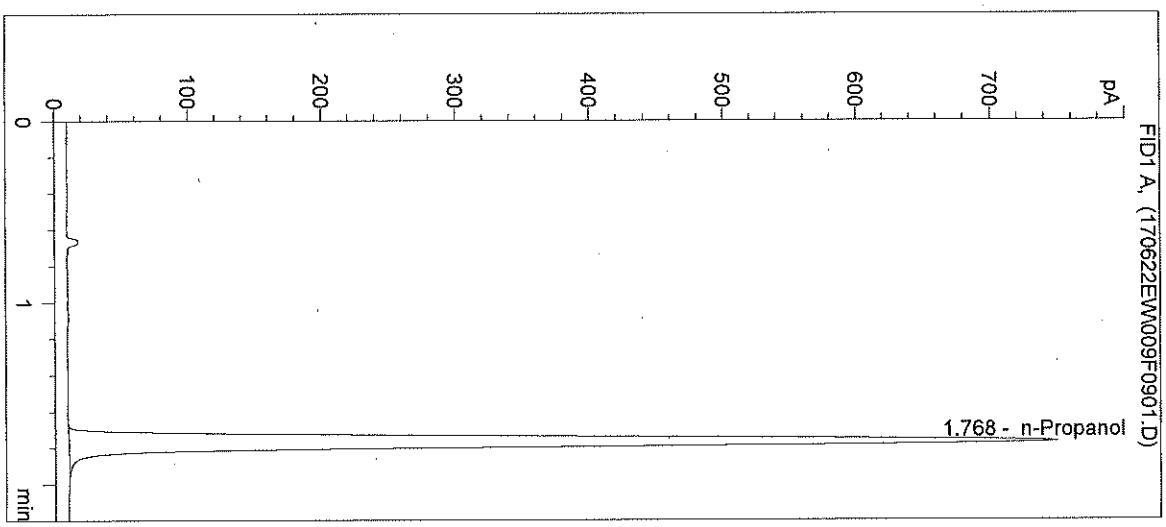
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\008F0801.D

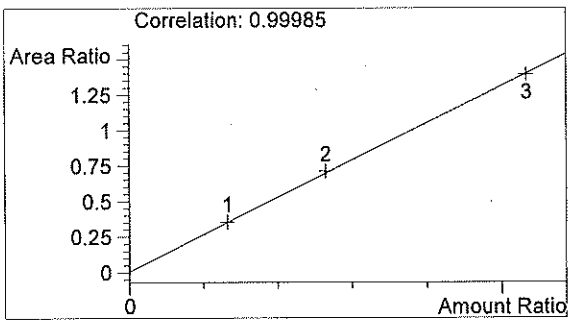
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:34:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

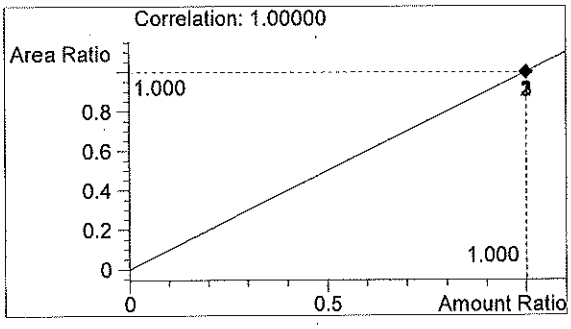
Sample Name: neg ctrl
Operator: Elizabeth Wehner
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2784	1.768



Ethanol 0.000 g/100mL



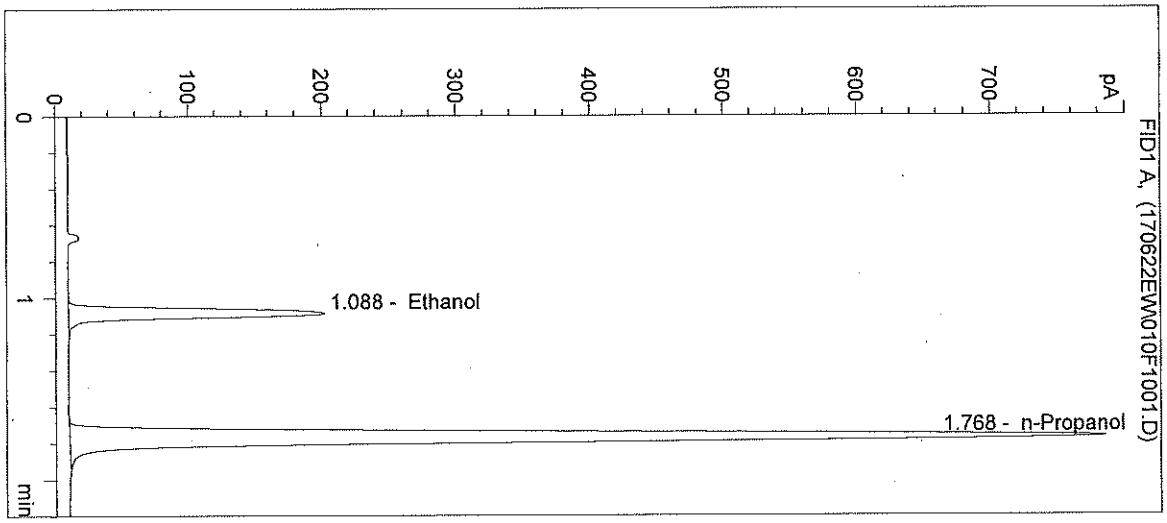
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\009F0901.D

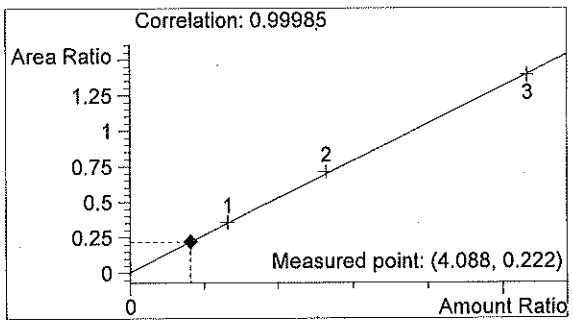
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:38:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

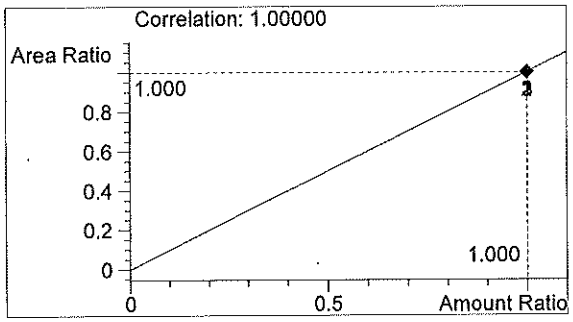
Sample Name: qap 17045 #1
Operator: Elizabeth Wehner
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	649	1.088
2	n-Propanol	2924	1.768



Ethanol 0.049 g/100mL

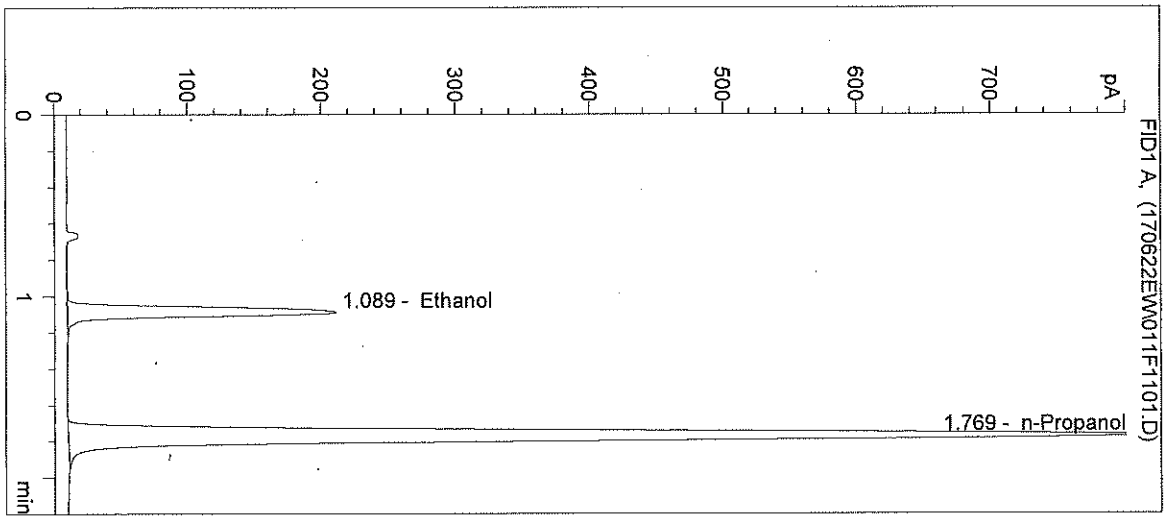


n-Propanol 0.012 g/100mL

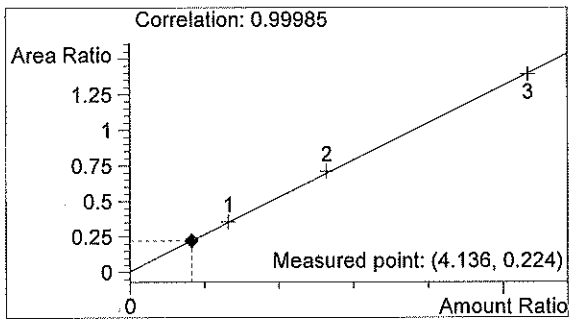
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:41:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

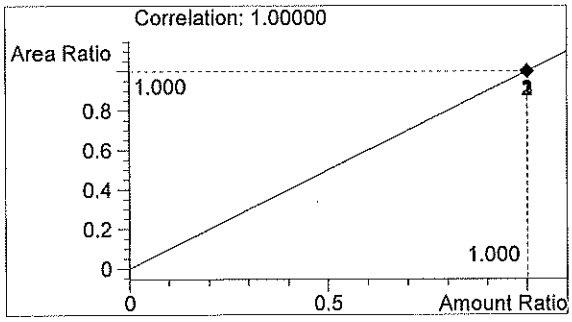
Sample Name: qap 17045 #2
Operator: Elizabeth Wehner
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	686	1.089
2	n-Propanol	3057	1.769



Ethanol 0.050 g/100mL



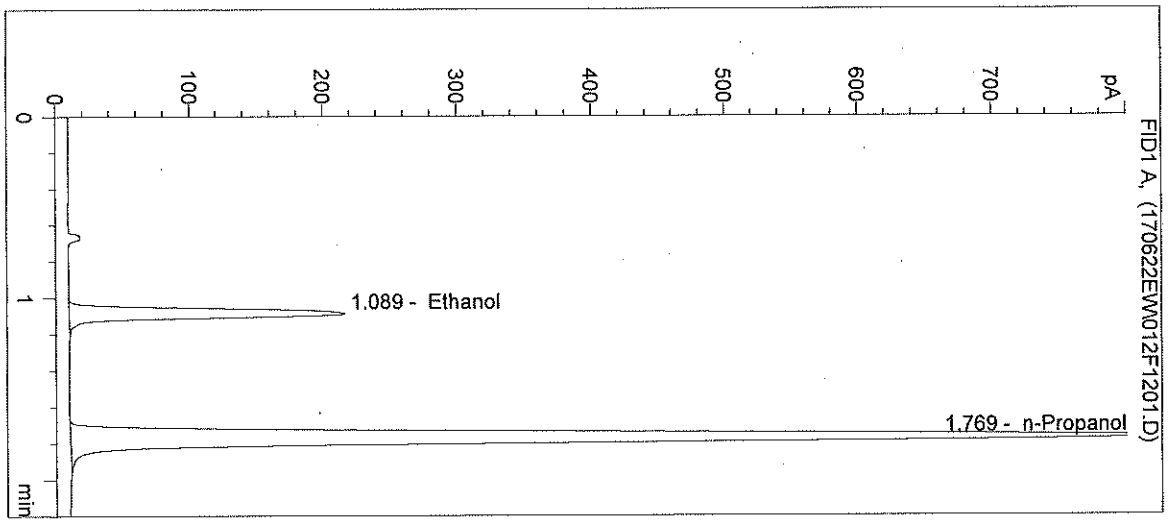
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\011F1101.D

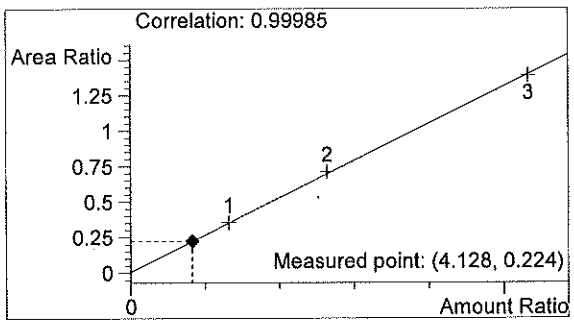
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:44:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

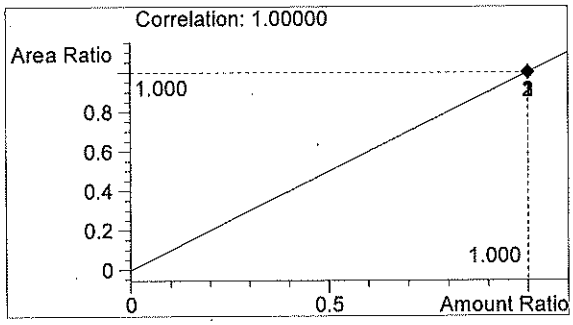
Sample Name: qap 17045 #3
Operator: Elizabeth Wehner
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.089
2	n-Propanol	3144	1.769



Ethanol 0.050 g/100mL



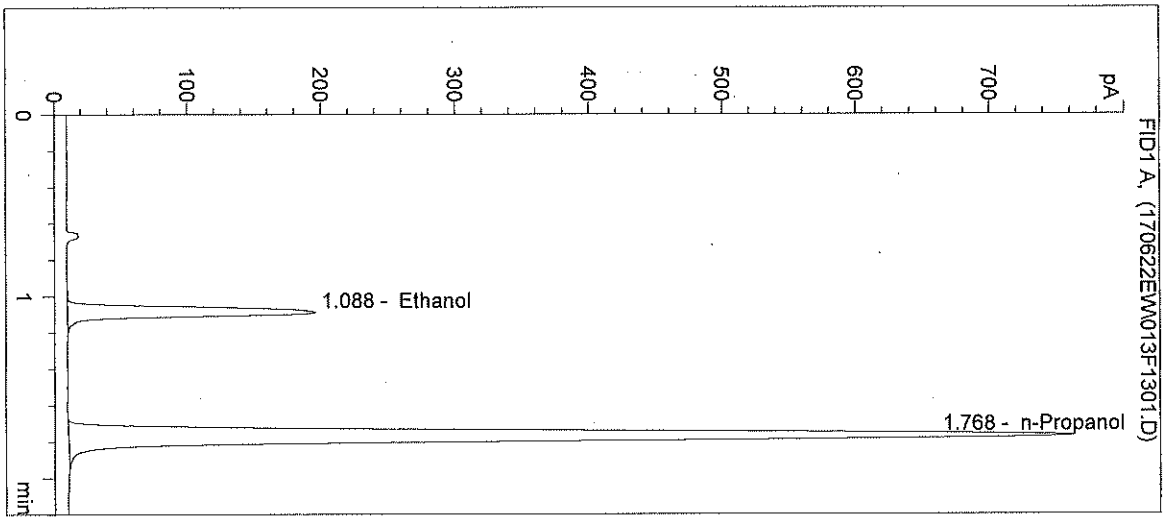
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\012F1201.D

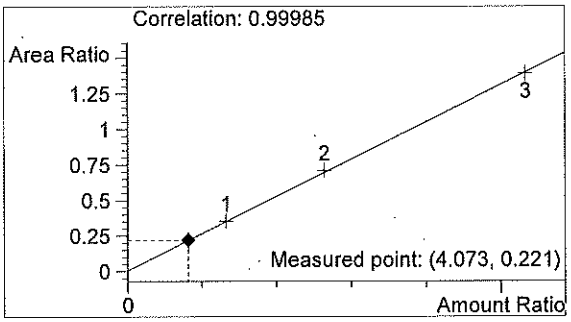
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:47:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

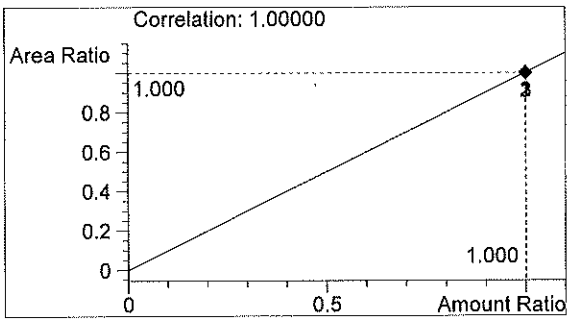
Sample Name: qap 17045 #4
Operator: Elizabeth Wehner
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	629	1.088
2	n-Propanol	2845	1.768



Ethanol 0.049 g/100mL



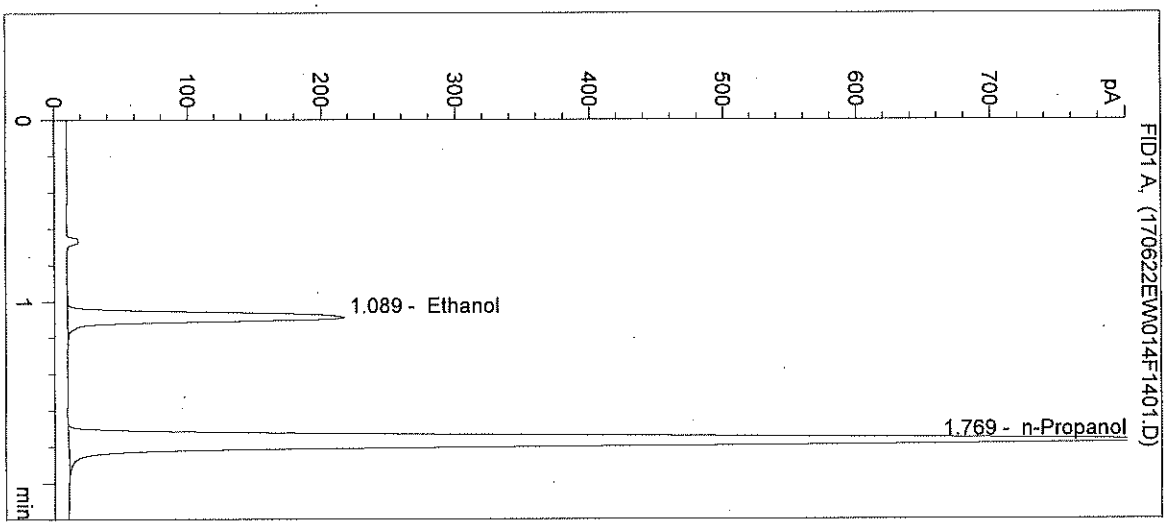
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\013F1301.D

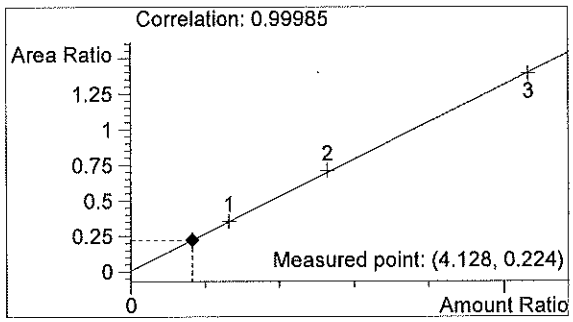
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:50:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

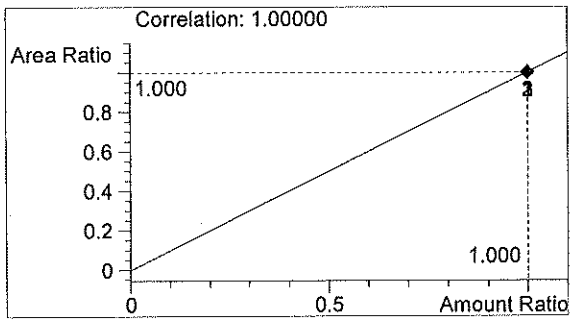
Sample Name: qap 17045 #5
Operator: Elizabeth Wehner
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.089
2	n-Propanol	3142	1.769



Ethanol 0.050 g/100mL



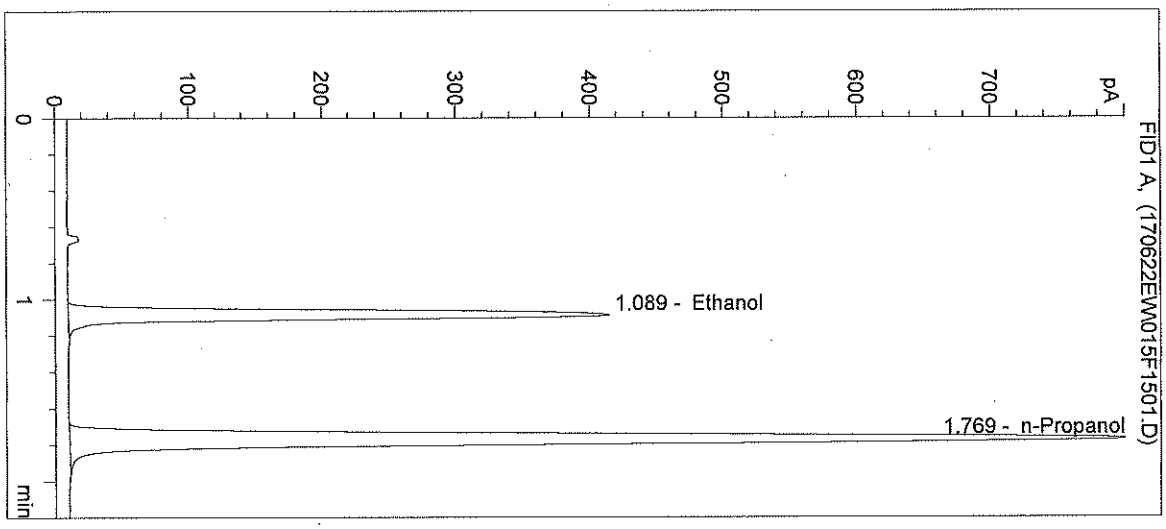
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\014F1401.D

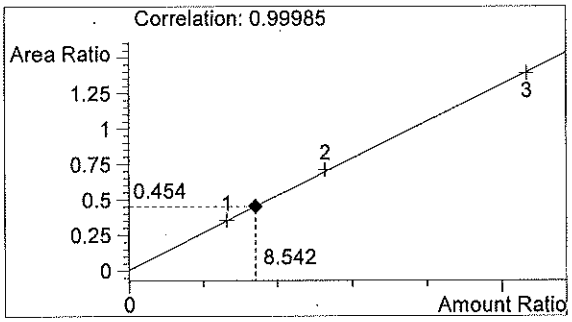
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:54:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

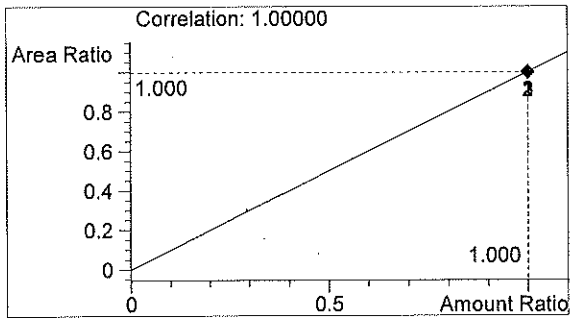
Sample Name: 0.10 ctrl
Operator: Elizabeth Wehner
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1376	1.089
2	n-Propanol	3028	1.769



Ethanol 0.102 g/100mL

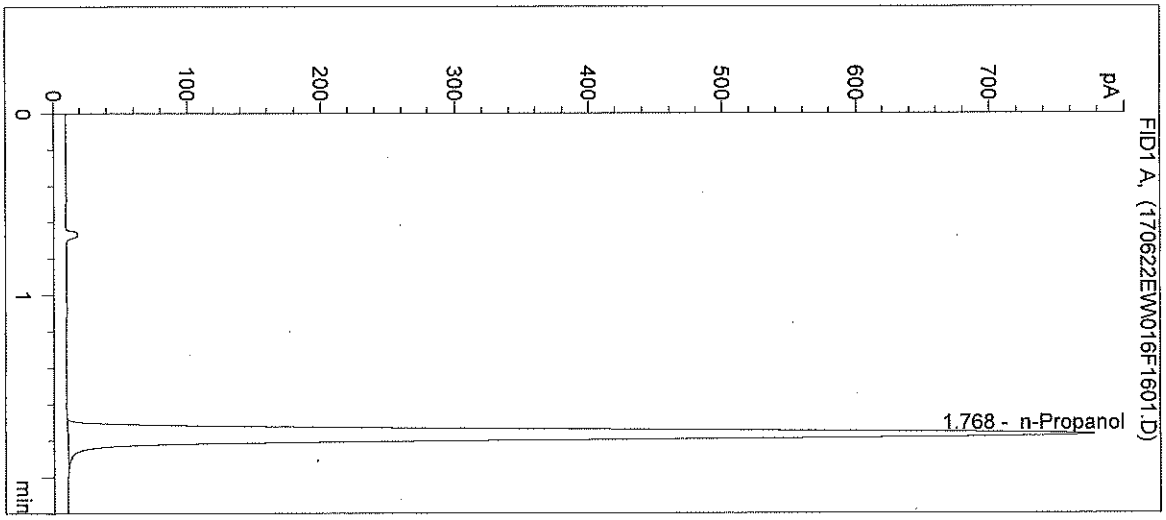


n-Propanol 0.012 g/100mL

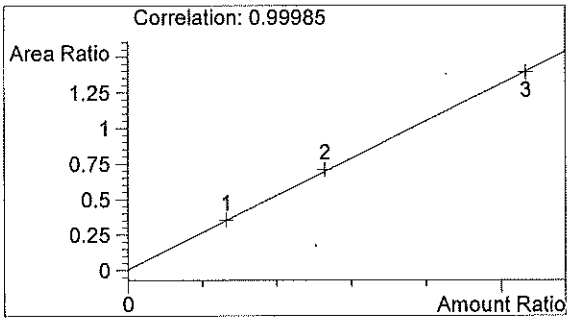
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/22/2017 4:57:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

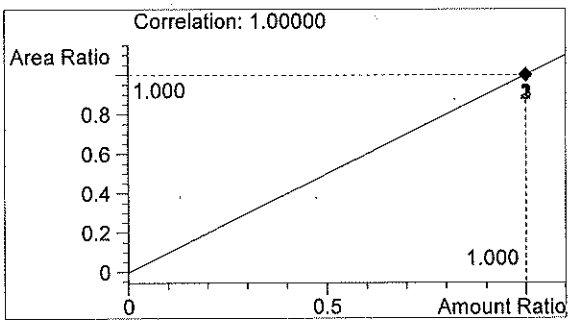
Sample Name: neg ctrl
Operator: Elizabeth Wehner
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2897	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170622EW\016F1601.D

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~~ 2017 7/5/17

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		

17045
6/28/17

Sequence: C:\HPCHEM\1\SEQUENCE\AL-QAP1.S

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!

17045

PA
6/28/17

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

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Calibration Table

==========

Calib. Data Modified : Tuesday, June 27, 2017 8:55:43 AM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.085	1	1	7.91500e-2	981.38257	8.06515e-5	1		Ethanol
		2	1.58300e-1	1928.28918	8.20935e-5			
		3	3.19520e-1	3877.96680	8.23937e-5			
1.764	1	1	1.20000e-2	2827.15210	4.24455e-6	I1		n-Propanol
		2	1.20000e-2	2798.49878	4.28801e-6			
		3	1.20000e-2	2822.25415	4.25192e-6			

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Peak Sum Table

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No Entries in table

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17045

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Calibration Curves

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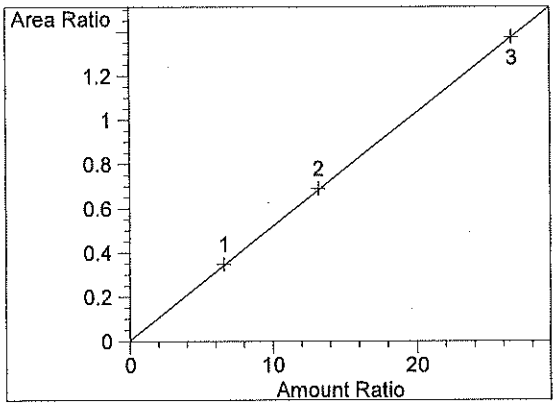
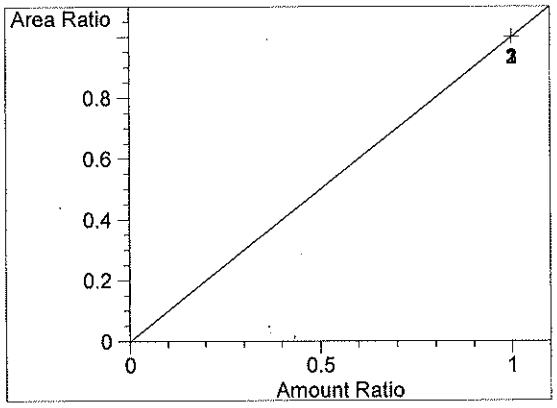


Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00532
Formula: y = mx + b
m: 5.15517e-2
b: 4.37713e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

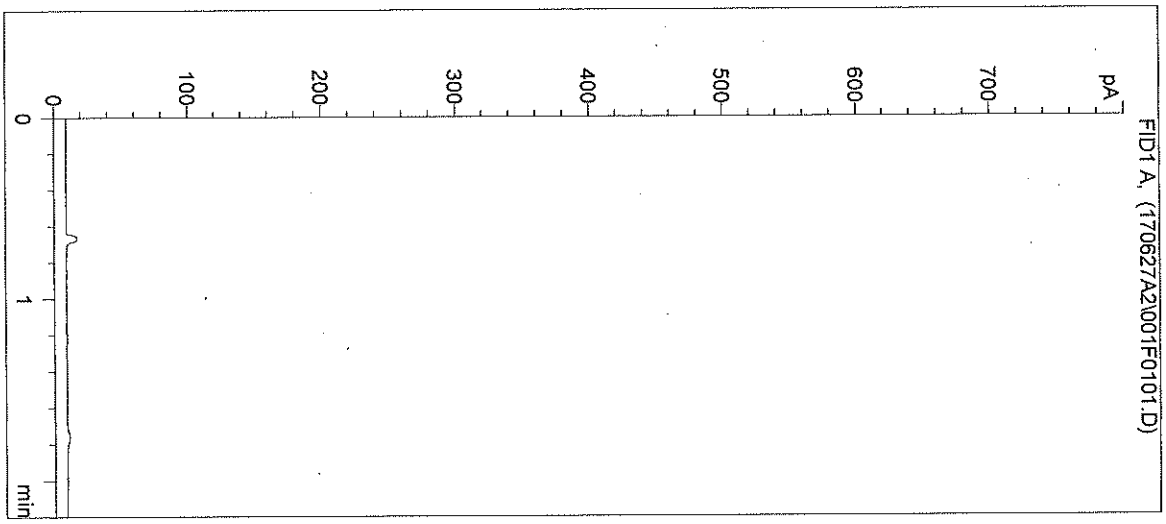
==========

17045
BT
6/28/17

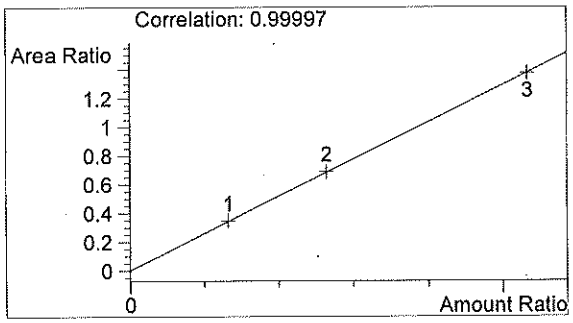
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:43:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

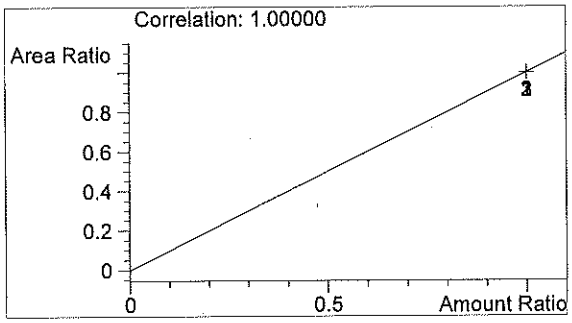
Sample Name: blank
Operator: Andrew Gingras
Location: Vial 1



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



Ethanol 0.000 g/100mL

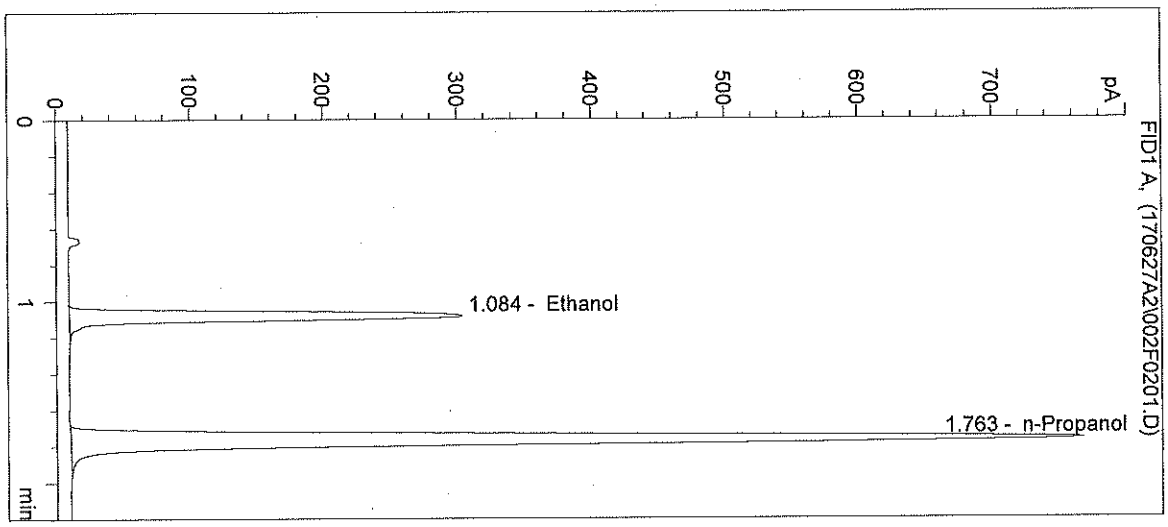


n-Propanol 0.000 g/100mL

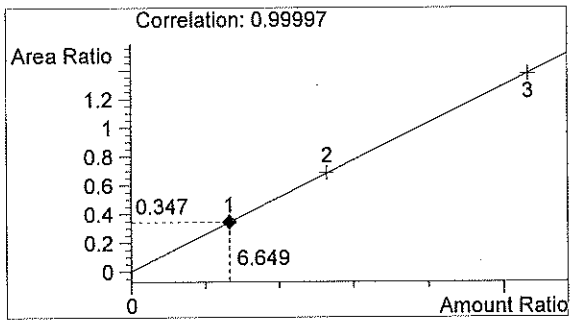
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:46:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

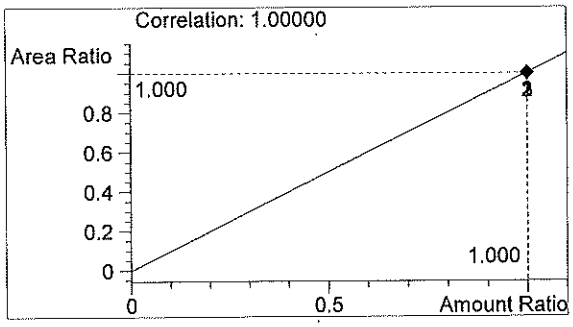
Sample Name: 0.079 cal 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	981	1.084
2	n-Propanol	2827	1.763



Ethanol 0.080 g/100mL

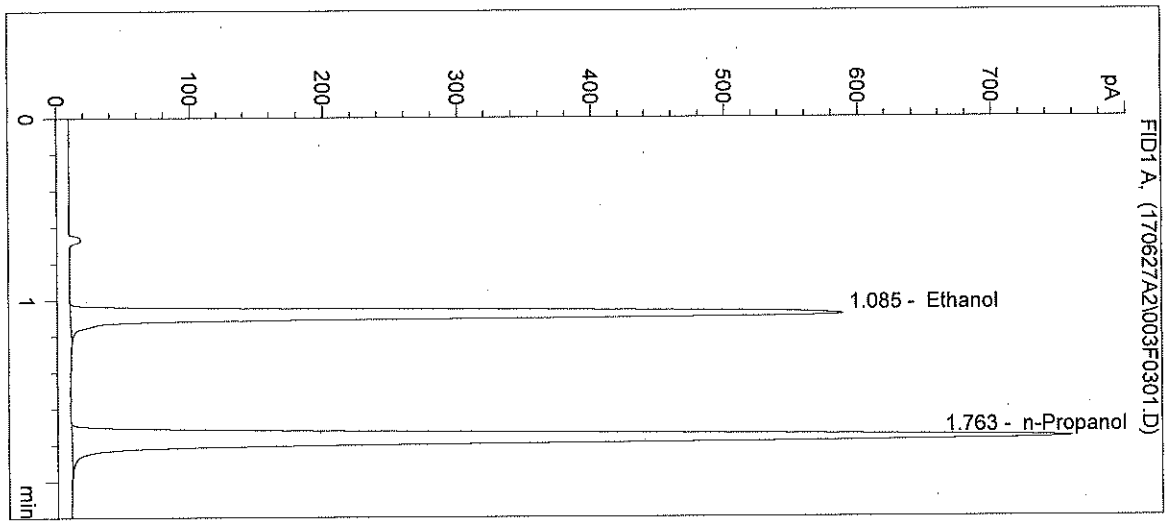


n-Propanol 0.012 g/100mL

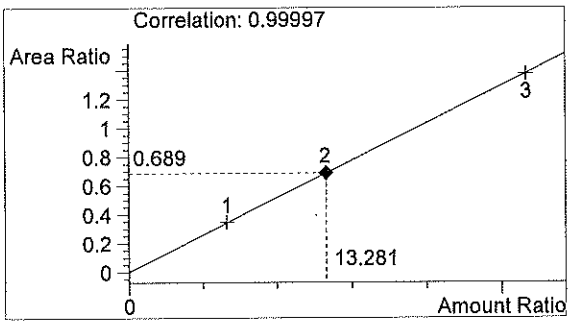
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:50:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

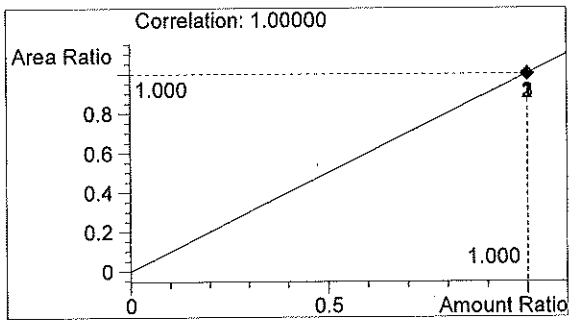
Sample Name: 0.158 cal 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1928	1.085
2	n-Propanol	2798	1.763



Ethanol 0.159 g/100mL

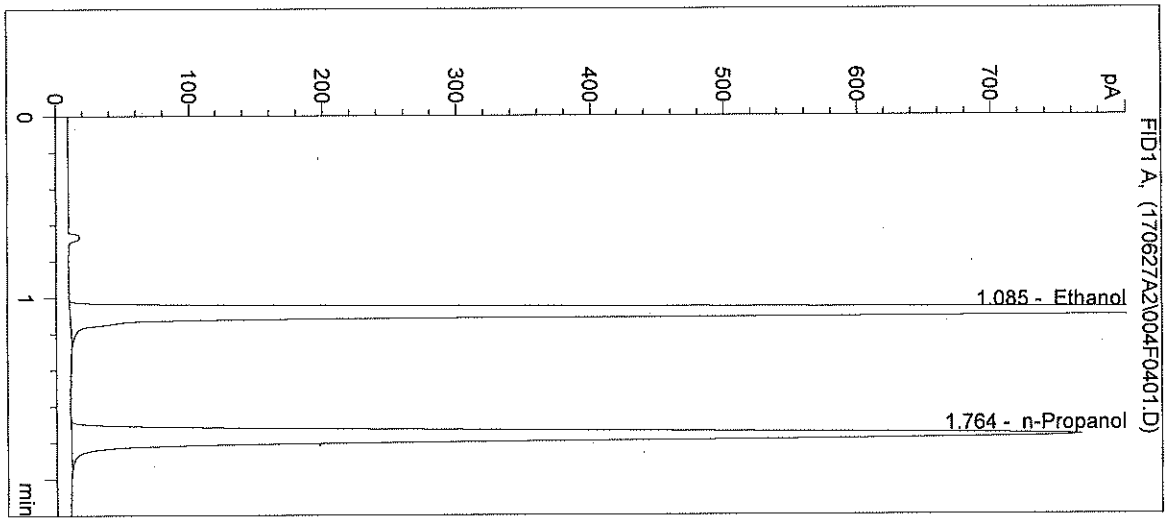


n-Propanol 0.012 g/100mL

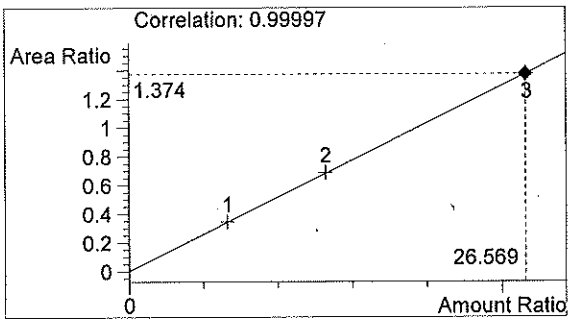
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:53:30 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

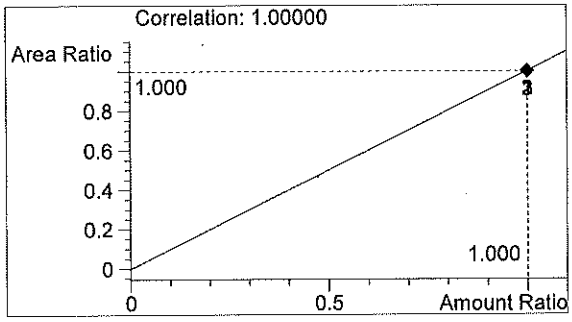
Sample Name: 0.316 cal 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3878	1.085
2	n-Propanol	2822	1.764



Ethanol 0.319 g/100mL

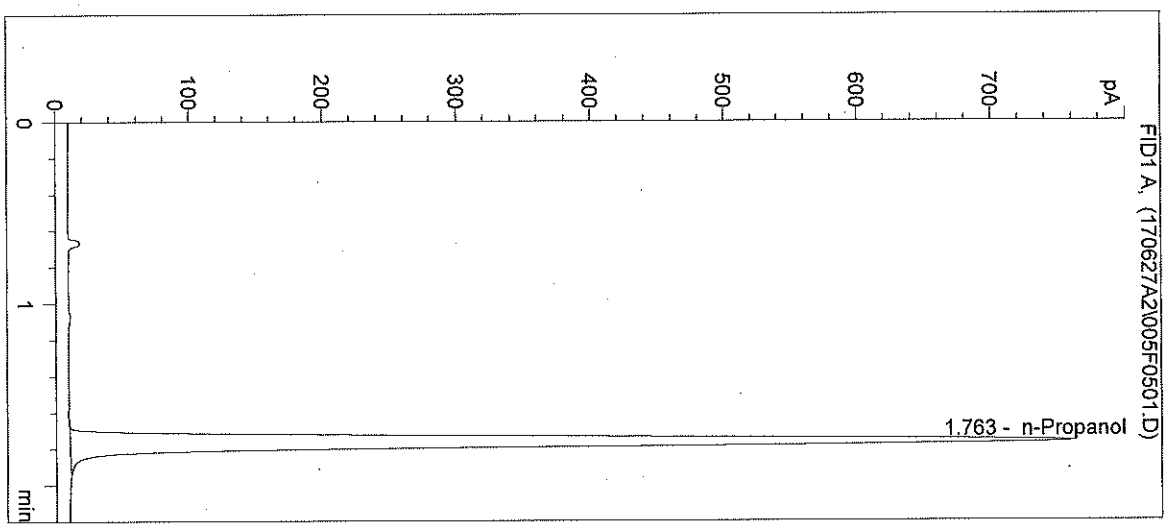


n-Propanol 0.012 g/100mL

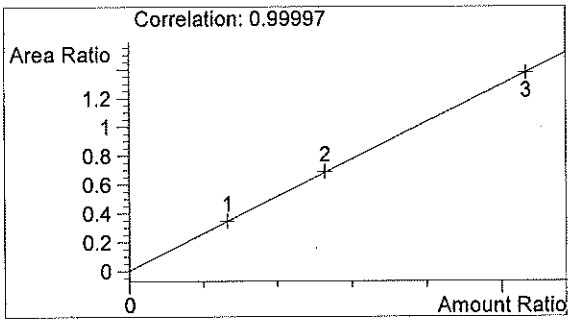
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:56:43 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

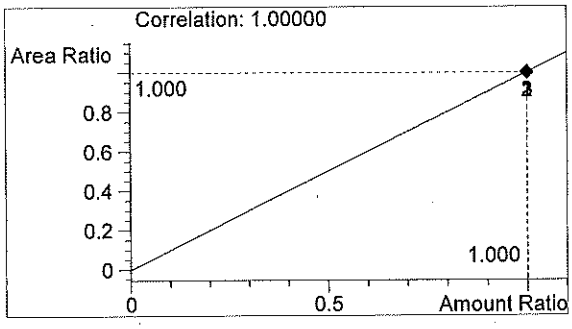
Sample Name: neg ctrl
Operator: Andrew Gingras
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2805	1.763



Ethanol 0.000 g/100mL

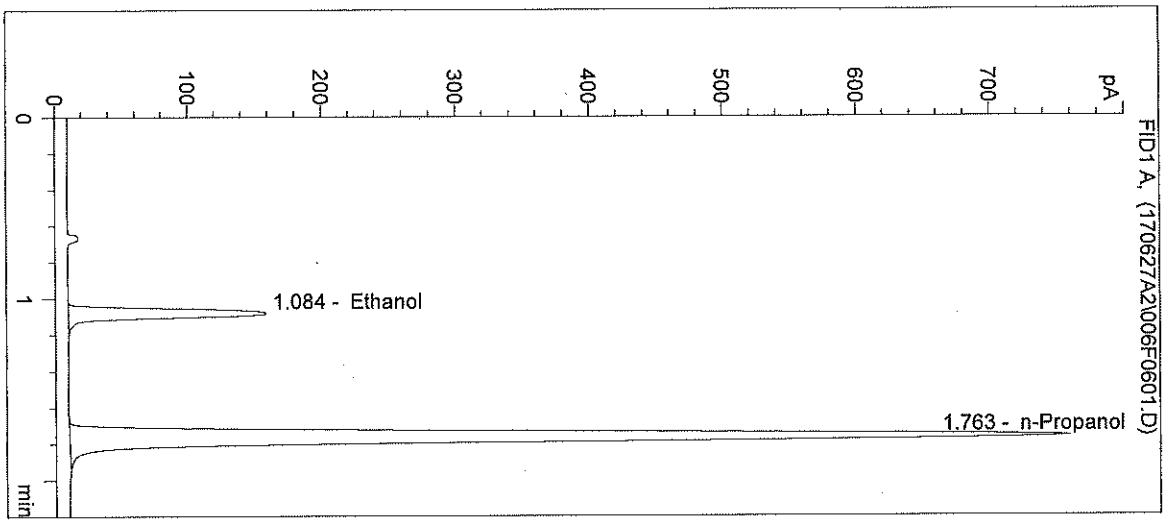


n-Propanol 0.012 g/100mL

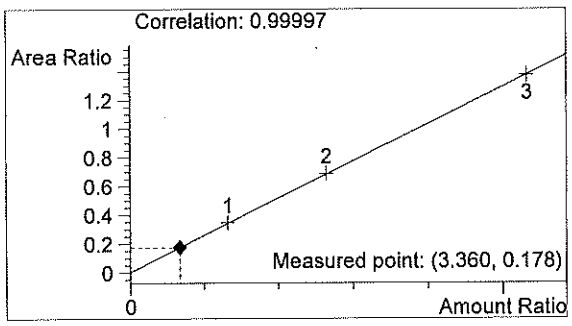
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 8:59:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

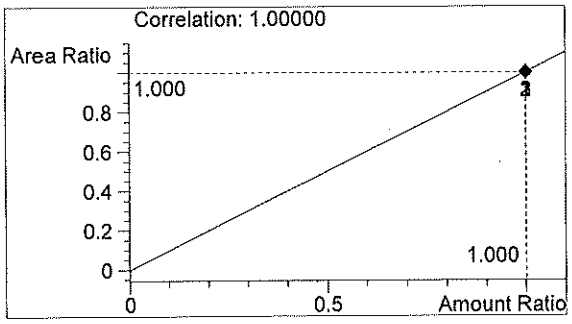
Sample Name: 0.04 ctrl
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	496	1.084
2	n-Propanol	2792	1.763



Ethanol 0.040 g/100mL

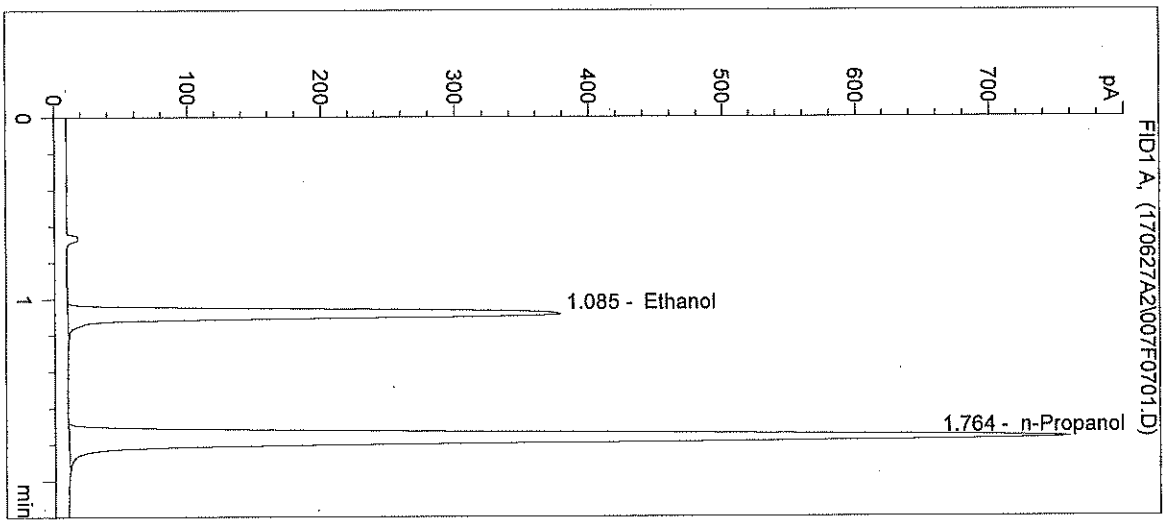


n-Propanol 0.012 g/100mL

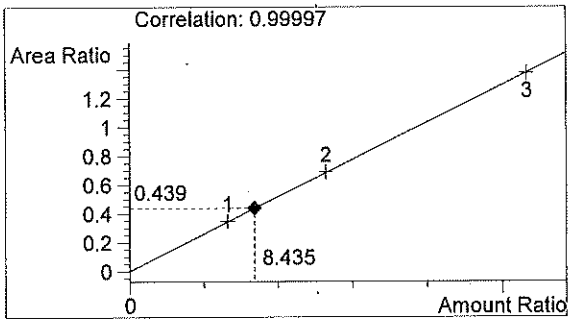
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 9:03:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

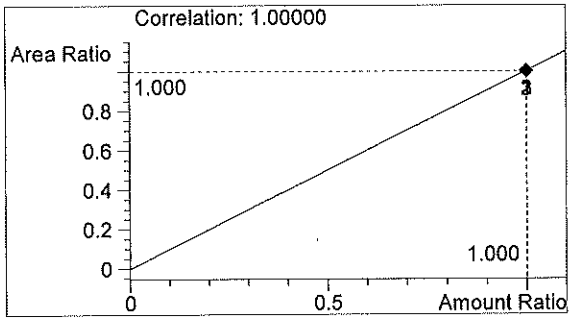
Sample Name: 0.10 ctrl
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.085
2	n-Propanol	2805	1.764



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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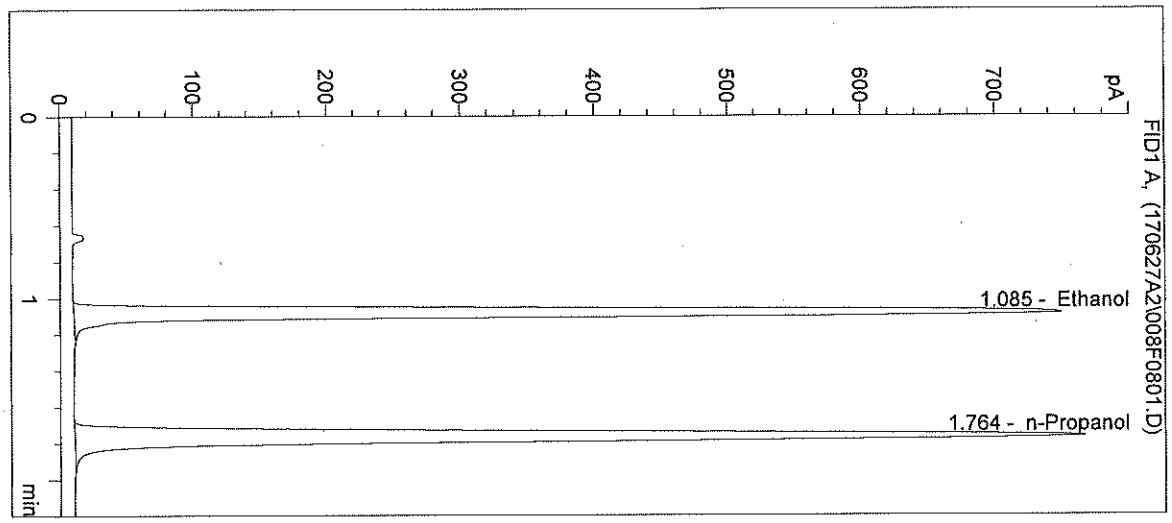
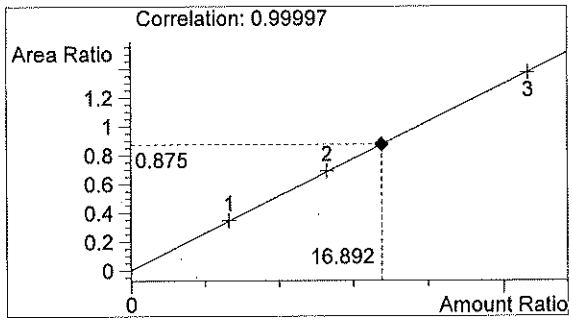
Inj. Date: 6/27/2017 9:06:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

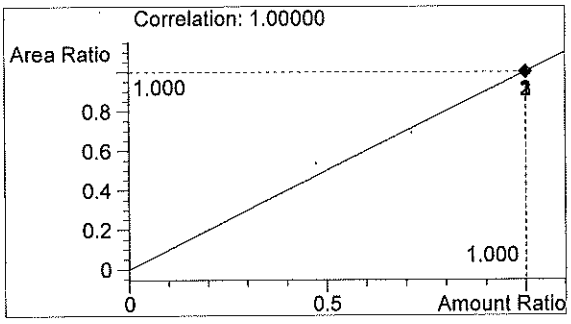
Sample Name: 0.20 ctrl
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2472	1.085
2	n-Propanol	2825	1.764



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

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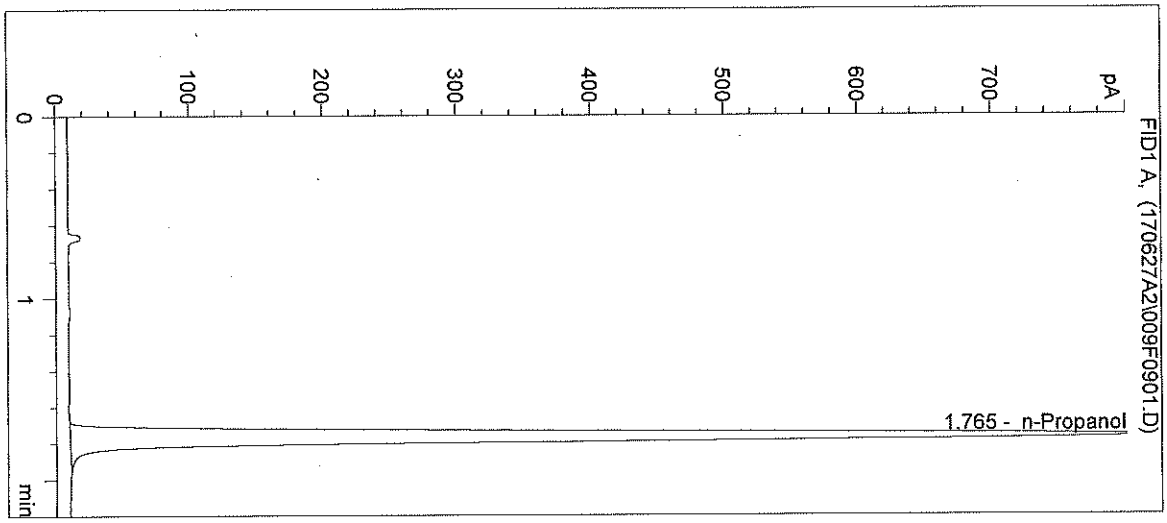
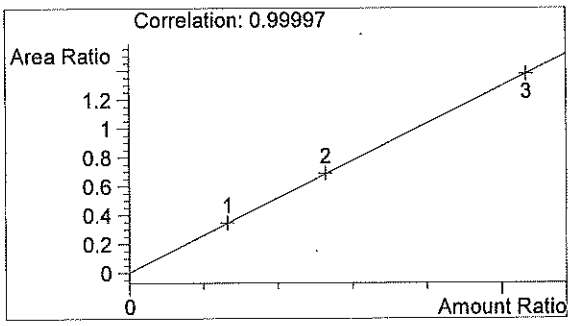
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 9:09:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

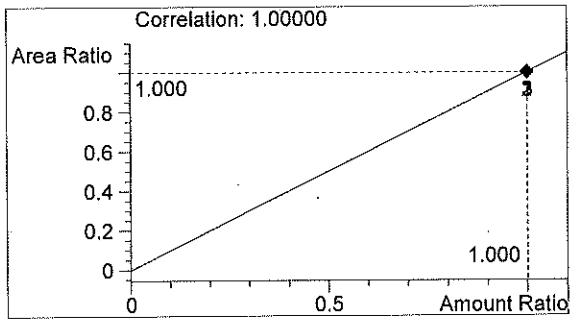
Sample Name: neg ctrl
Operator: Andrew Gingras
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3026	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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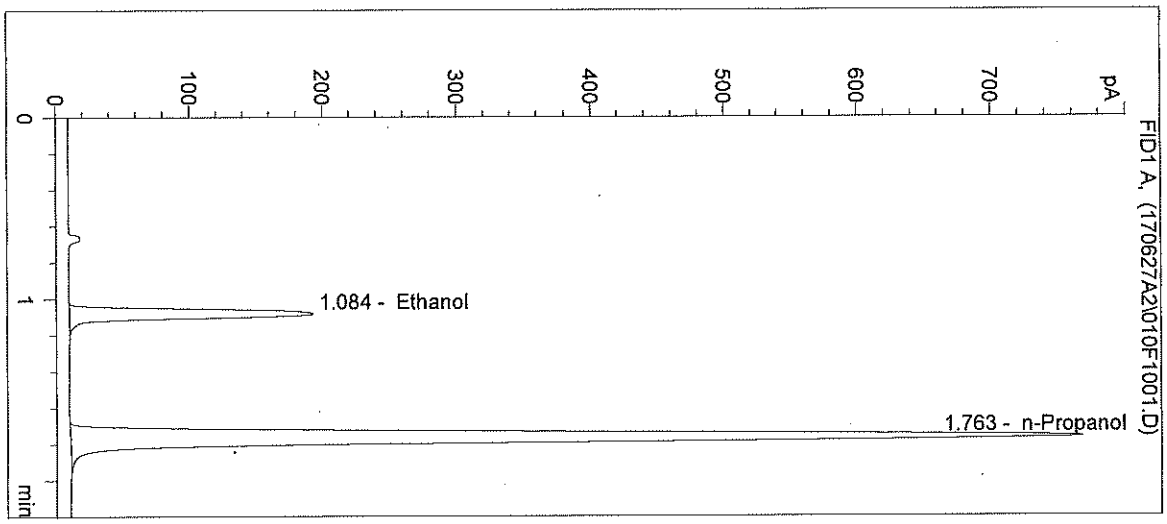
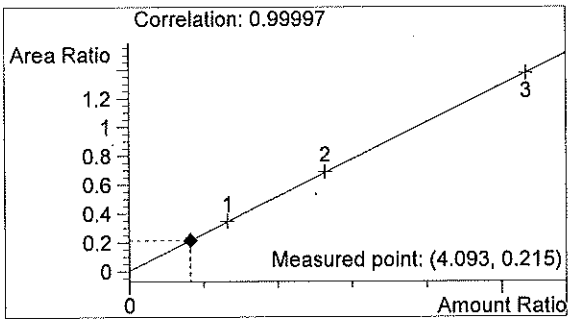
Inj. Date: 6/27/2017 9:12:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

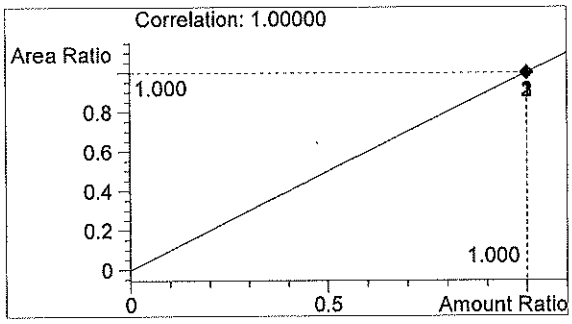
Sample Name: qap 17045 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.084
2	n-Propanol	2830	1.763



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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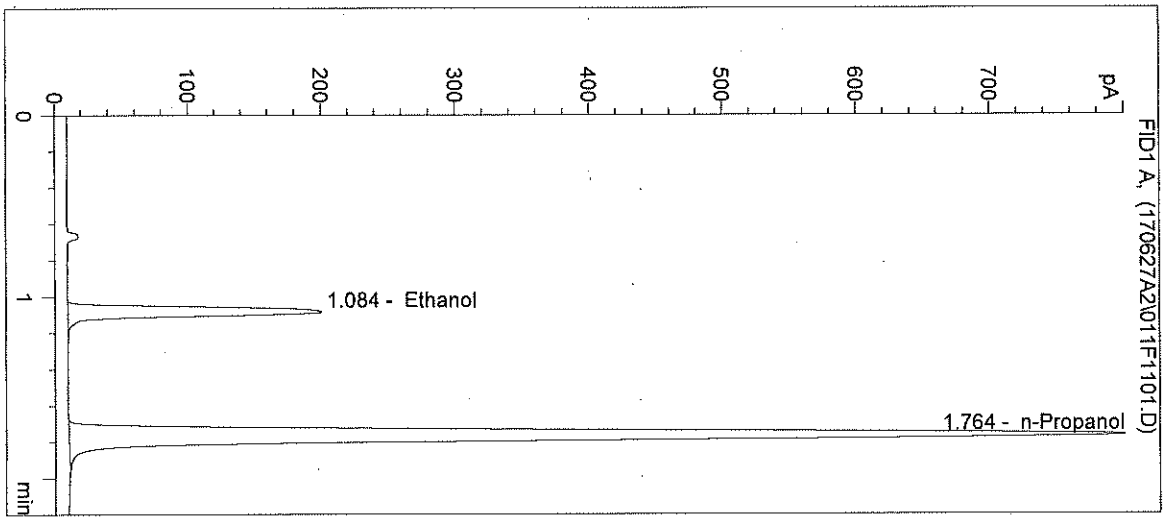
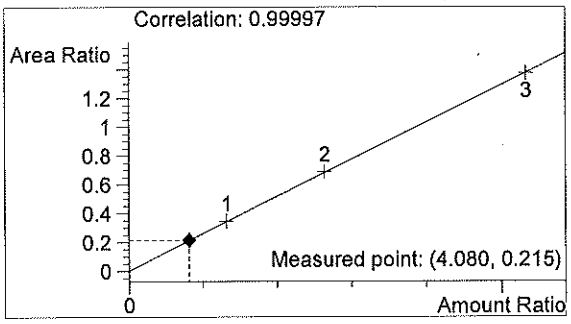
Inj. Date: 6/27/2017 9:16:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

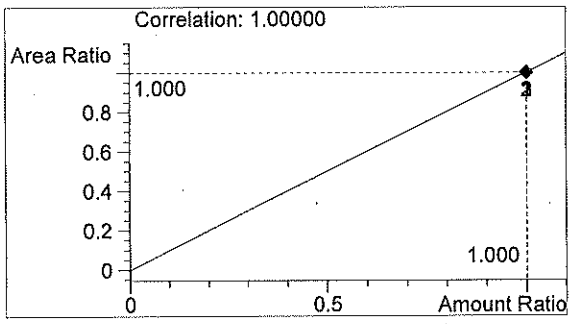
Sample Name: qap 17045 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	634	1.084
2	n-Propanol	2955	1.764



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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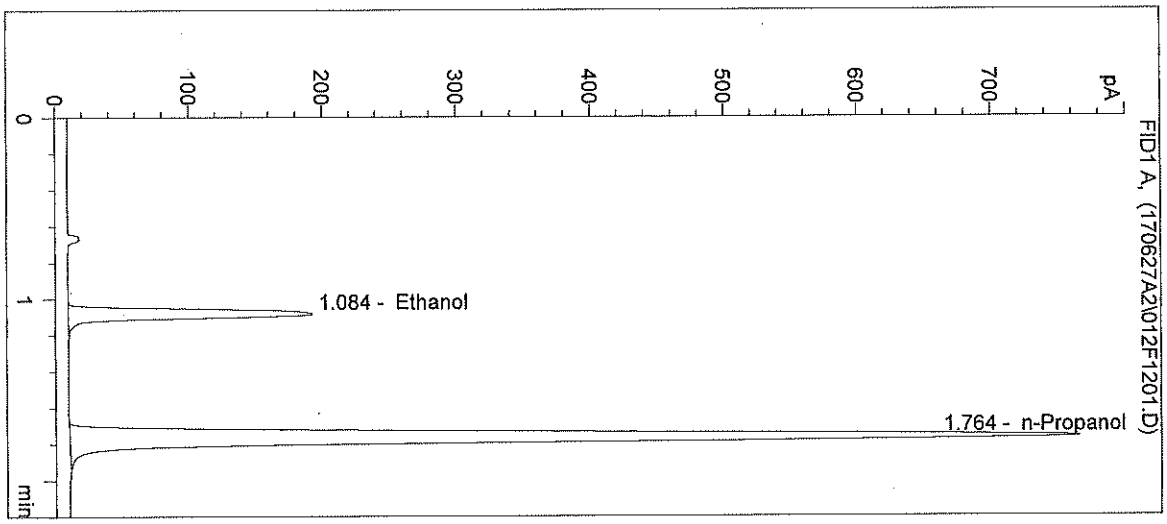
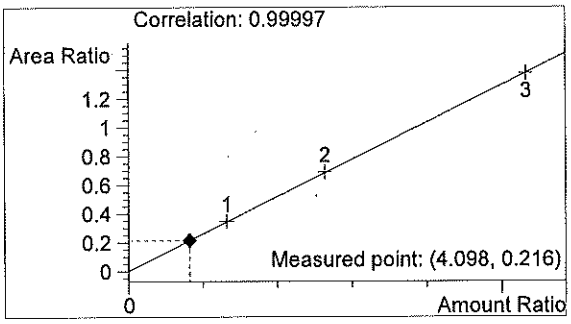
Inj. Date: 6/27/2017 9:19:16 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

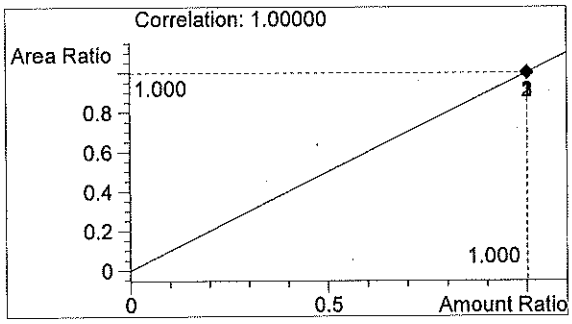
Sample Name: qap 17045 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	608	1.084
2	n-Propanol	2820	1.764



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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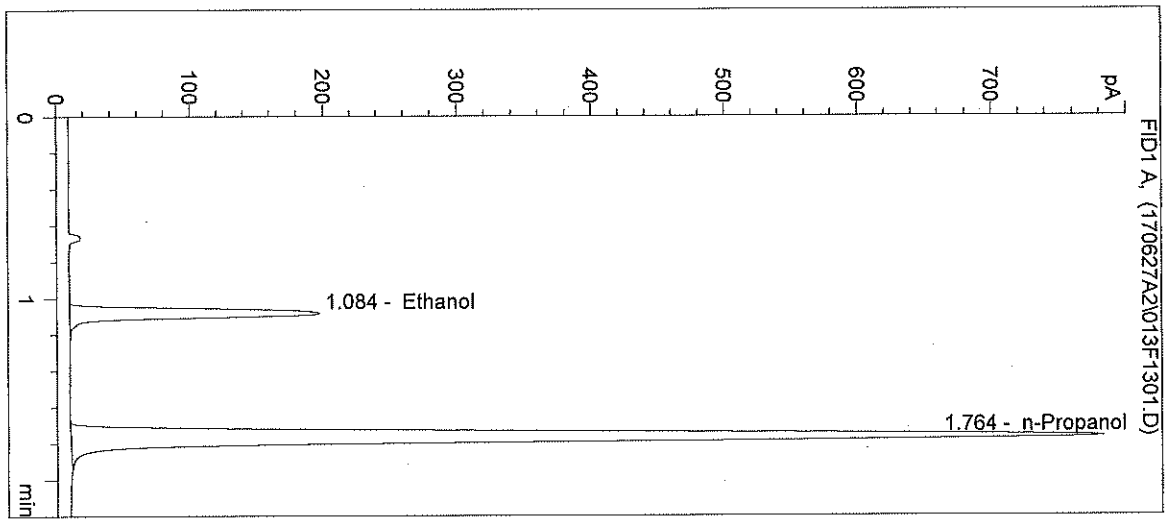
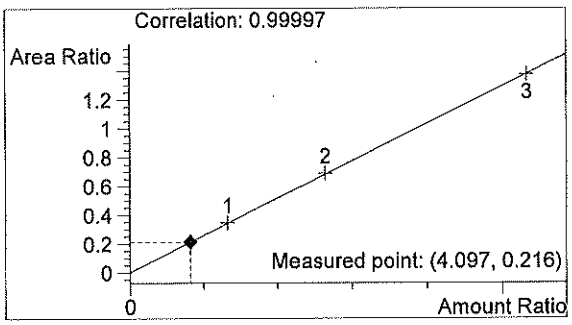
Inj. Date: 6/27/2017 9:22:29 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

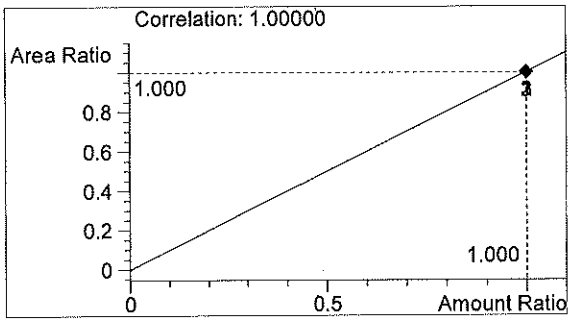
Sample Name: qap 17045 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	622	1.084
2	n-Propanol	2885	1.764



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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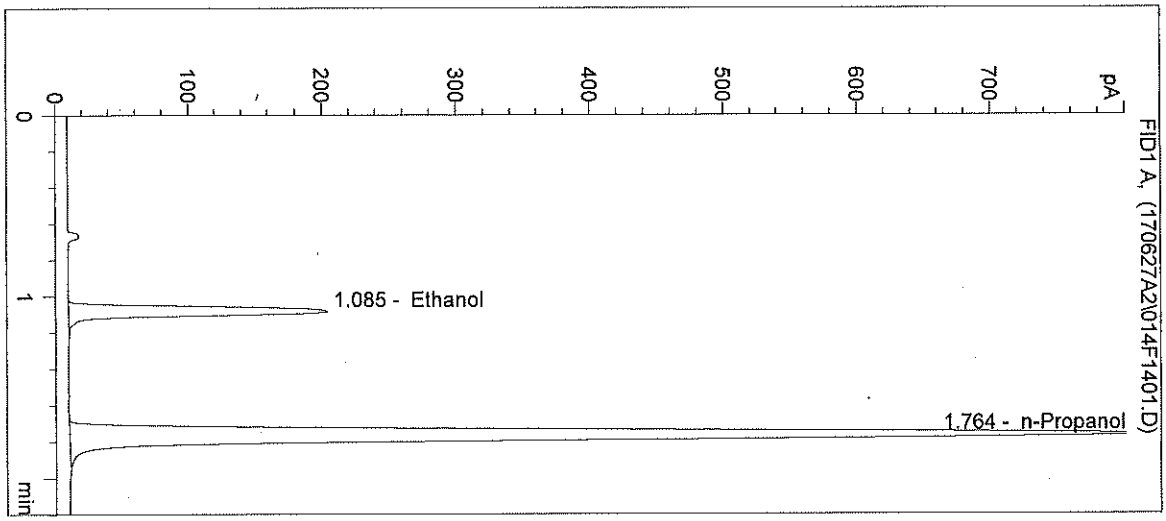
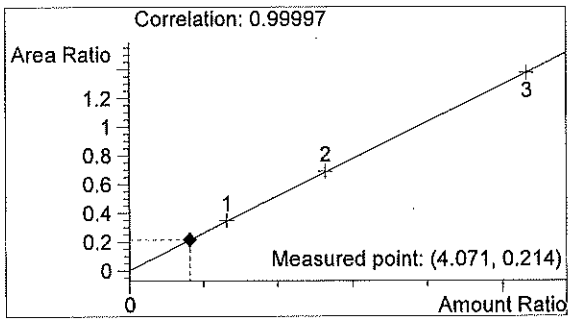
Inj. Date: 6/27/2017 9:25:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

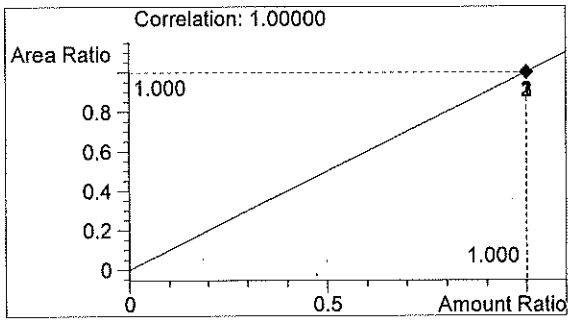
Sample Name: qap 17045 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	645	1.085
2	n-Propanol	3010	1.764



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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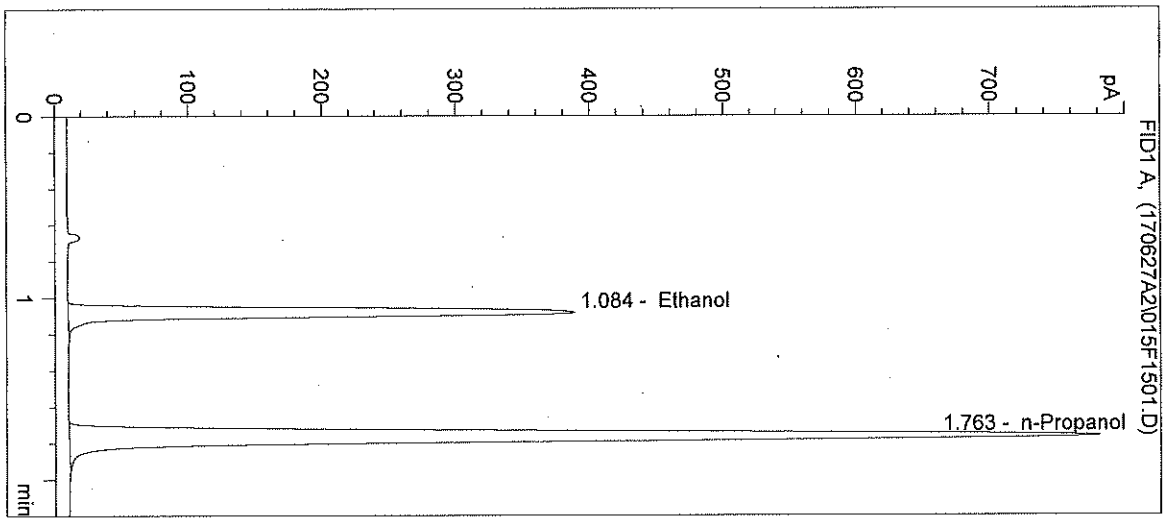
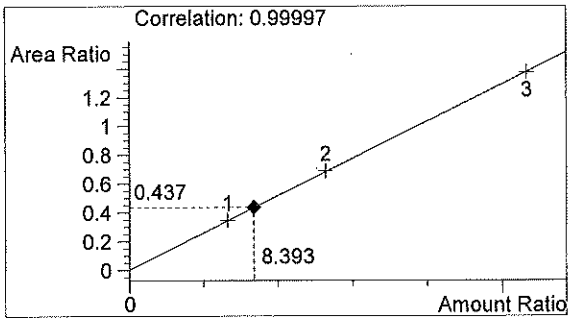
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 9:28:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

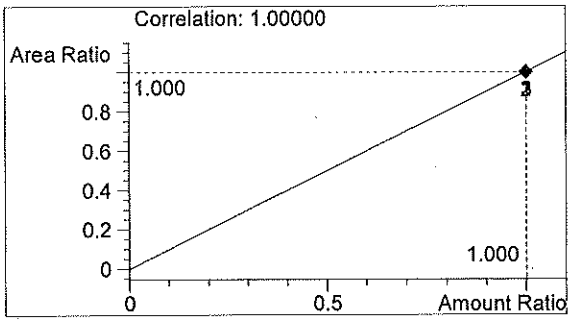
Sample Name: 0.10 ctrl
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.084
2	n-Propanol	2883	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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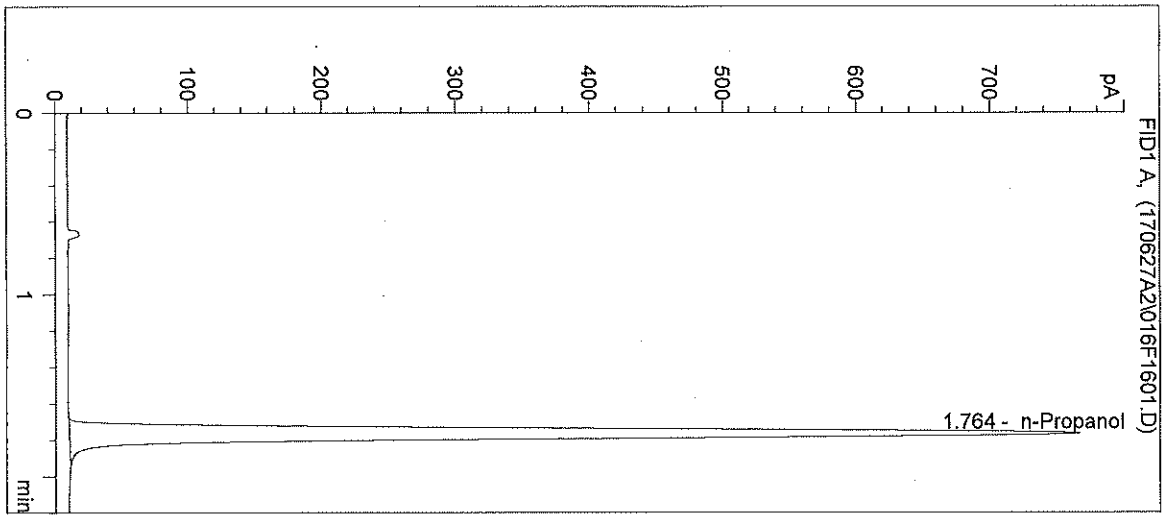
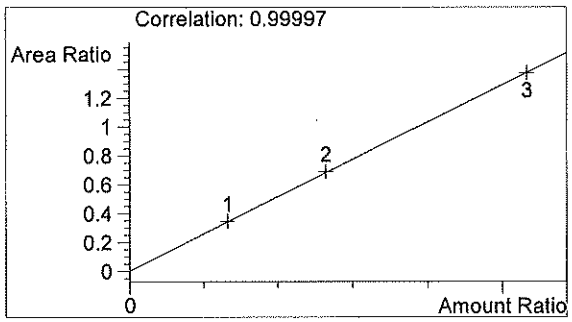
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 9:32:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: qap 17045

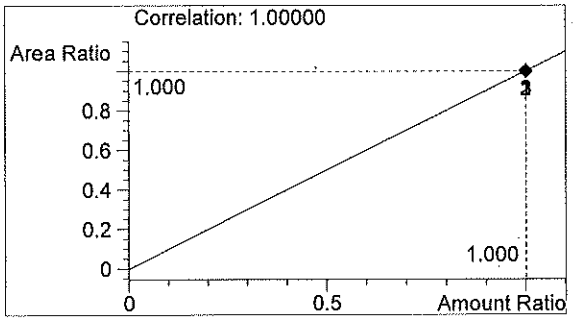
Sample Name: neg ctrl
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2826	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL