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: 17026

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: 03/10/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lyndsey Knoy

	LK	AG	CM
1	0.050	0.050	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.102	0.101	0.100

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0500 g/100mL
STANDARD DEVIATION: 0.00000
PRECISION CV (%): 0.00
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0407 g/210L**
EXPANDED UNCERTAINTY: ± 0.0010 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly Technical Lead

3.15.17
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
LK	Lyndsey Knoy		03/10/2017
AG	Andrew Gingras		03/10/2017
CM	Christie Mitchell-Mata		03/13/2017

Washington State Patrol Toxicology Laboratory Division

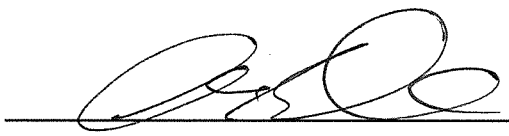
SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 3-20-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17026

	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:  Date: 3-20-17

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

QAP Solution Batch #: 17026 **Date Prepared:** 3/10/2017

Analyst:	LK	AG	CM
Date Tested:	3/10/2017	3/10/2017	3/13/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.050	0.050	0.050
2	0.050	0.050	0.050
3	0.050	0.050	0.050
4	0.050	0.050	0.050
5	0.050	0.050	0.050
C	0.102	0.101	0.100

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000000000	0.0000326765	0.0001016326

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

Average Solution Concentration: 0.0500 g/100mL
Standard Deviation: 0.00000 g/100mL
Precision CV (%): 0.00
Equivalent Vapor Concentration: 0.0407 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: Brianne E. O'Reilly Brianne E. O'Reilly 3.14.17
Name Signature Date

Calculations verified by: Amanda M. Black 3-20-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brianne E. O'Reilly Brianne E. O'Reilly 3.14.17
Name Signature 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	3/15/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata	CM	3/15/17
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris		
Lyndsey Knoy	LK	3.15.17
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17026

PAW 3.14.17

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 17026

I, Lyndsey Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 17026, was prepared in the Washington State Toxicology Laboratory on 3/10/2017. 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 3/10/2018.

Seattle, WA

3.15.17

Lyndsey Knoy — 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

0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17026

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 17026, was prepared in the Washington State Toxicology Laboratory on 3/10/2017. 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 3/10/2018.

Seattle, WA

3/15/2017

Andrew Gingras Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17026

I, Christie Mitchell-Mata, 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: BA degree in Chemistry, MFS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17026, was prepared in the Washington State Toxicology Laboratory on 3/10/2017. 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 3/10/2018.

Seattle, WA

Christie Mitchell-Mata 3/15/17

Christie Mitchell-Mata Date

Forensic Toxicologist

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

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

Preparation Date: 3.10.17 Expiration Date: 3.10.18 Initials of Preparer: LK

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 3.7.17

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

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	17026
QAP 0.08	22.4	18	☑	17027
QAP 0.10	28.1	18	☑	17028
QAP 0.15	42.1	18	☑	17029
QAP 0.20	56.1	18	☐	
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 ☑ 3.10.17 Date

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

Comments:

Analyst Signature

3.10.17 Date

17026

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Sequence Parameters:

Operator:	Lyndsey Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170310LK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17

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 Lot#P0117 - Exp. 04/20/2017

Calibration 1-9 filed with 17026

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	Negative 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	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17026 #1	SIMALC1	1	Sample		
11	Vial 11	17026 #2	SIMALC1	1	Sample		
12	Vial 12	17026 #3	SIMALC1	1	Sample		
13	Vial 13	17026 #4	SIMALC1	1	Sample		
14	Vial 14	17026 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17027 #1	SIMALC1	1	Sample		
18	Vial 18	17027 #2	SIMALC1	1	Sample		
19	Vial 19	17027 #3	SIMALC1	1	Sample		
20	Vial 20	17027 #4	SIMALC1	1	Sample		
21	Vial 21	17027 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17028 #1	SIMALC1	1	Sample		

17026
BWO 3.14.17

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17028 #2	SIMALC1	1	Sample		
26	Vial 26	17028 #3	SIMALC1	1	Sample		
27	Vial 27	17028 #4	SIMALC1	1	Sample		
28	Vial 28	17028 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17029 #1	SIMALC1	1	Sample		
32	Vial 32	17029 #2	SIMALC1	1	Sample		
33	Vial 33	17029 #3	SIMALC1	1	Sample		
34	Vial 34	17029 #4	SIMALC1	1	Sample		
35	Vial 35	17029 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17030 #1	SIMALC1	1	Sample		
39	Vial 39	17030 #2	SIMALC1	1	Sample		
40	Vial 40	17030 #3	SIMALC1	1	Sample		
41	Vial 41	17030 #4	SIMALC1	1	Sample		
42	Vial 42	17030 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	Negative 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!

17026
BLO 3.14.17

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

Calibration Table

Calib. Data Modified : Friday, March 10, 2017 11:20:49 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]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.084	1	1	7.91500e-2	963.25409	8.21694e-5	1		Ethanol
		2	1.58300e-1	1898.52991	8.33803e-5			
		3	3.19520e-1	3846.58911	8.30658e-5			
1.764	1	1	1.20000e-2	2831.92236	4.23740e-6	I1		n-Propanol
		2	1.20000e-2	2818.73315	4.25723e-6			
		3	1.20000e-2	2858.74146	4.19765e-6			

17026
RLO 3.14.17

Peak Sum Table

No Entries in table

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Calibration Curves

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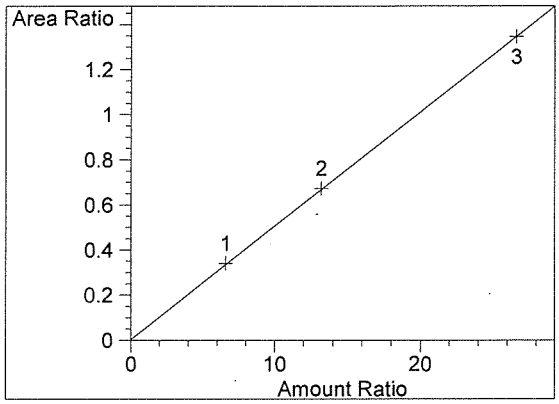
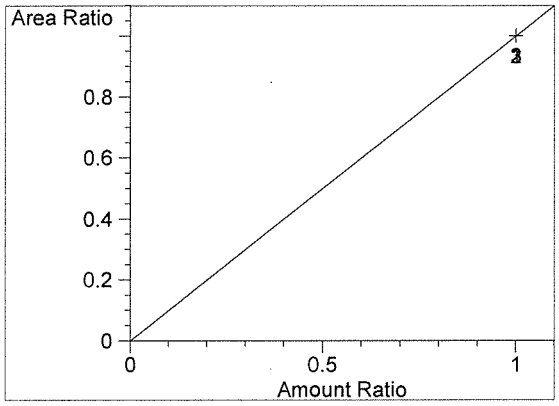


Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00479
Formula: y = mx + b
m: 5.04742e-2
b: 4.12905e-3
x: Amount Ratio
y: Area Ratio



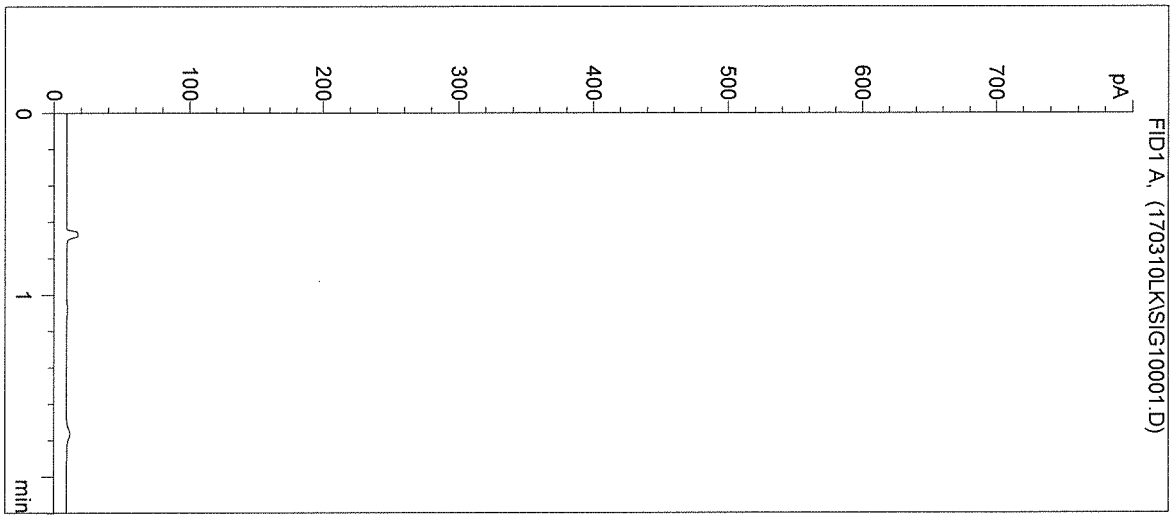
n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

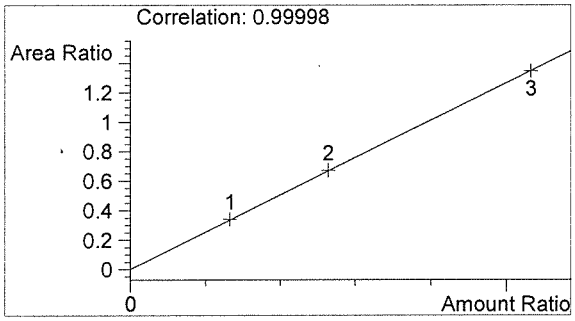
17026
BLW 3.14.17

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

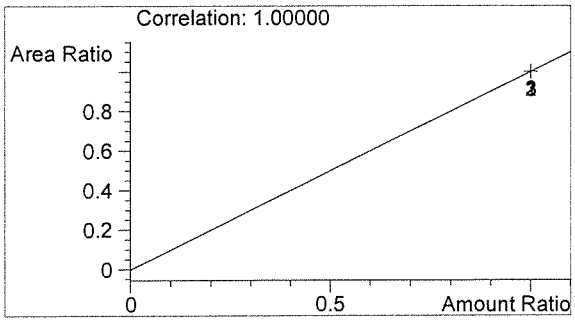
Inj. Date: 3/10/2017 11:08:44 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026



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



Ethanol 0.000 g/100mL

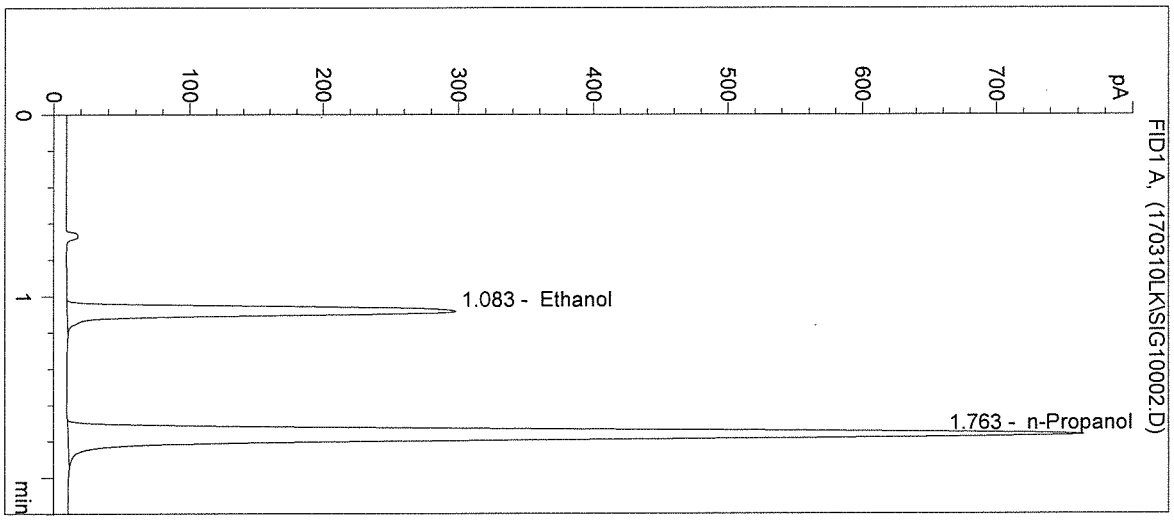


n-Propanol 0.000 g/100mL

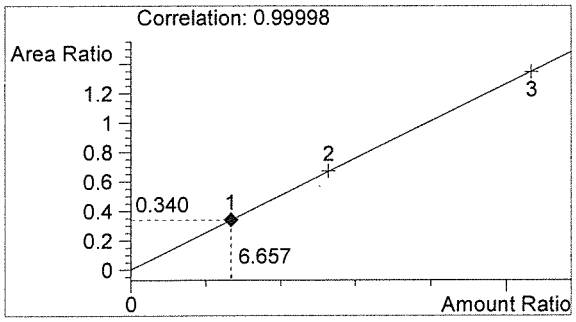
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:12:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.079 CAL 1
Operator: Lyndsey Knoy
Location: Vial 2

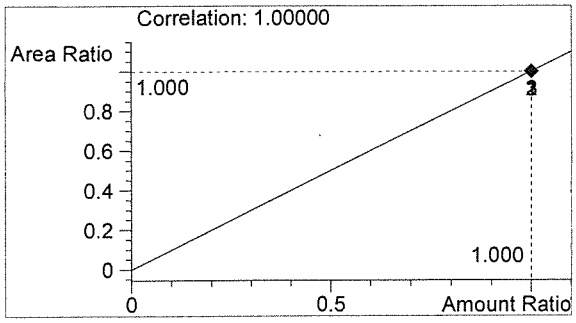


#	Compound	Peak Area	RT (min)
1	Ethanol	963	1.083
2	n-Propanol	2832	1.763



Ethanol 0.080 g/100mL

RWO



n-Propanol 0.012 g/100mL

Washington State Patrol Toxicology Laboratory
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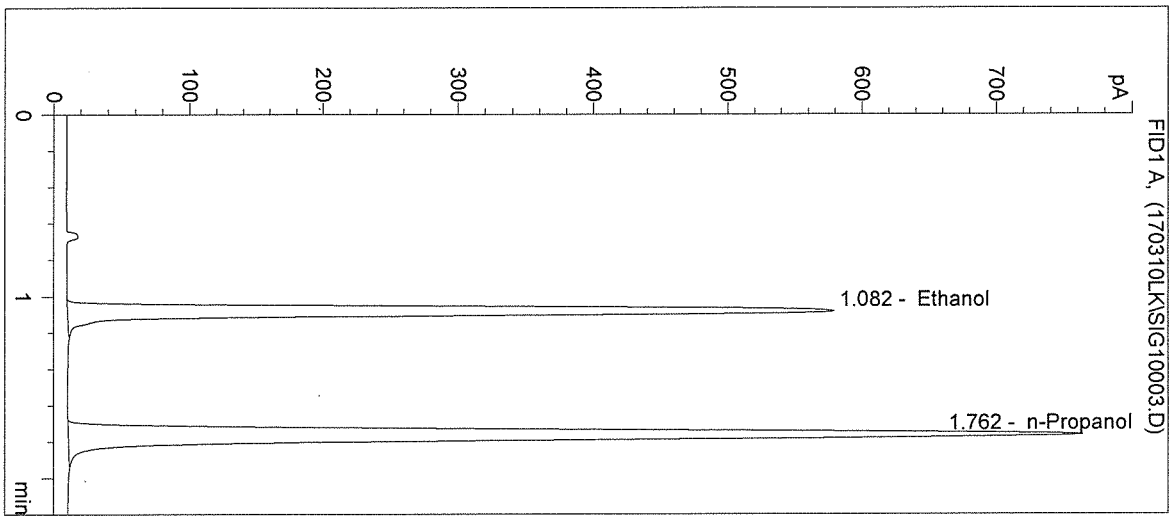
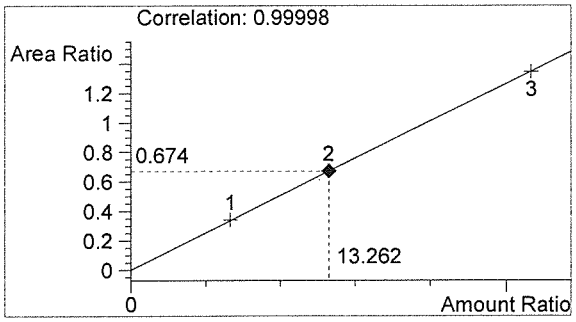
Inj. Date: 3/10/2017 11:15:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.158 CAL 2
Operator: Lyndsey Knoy
Location: Vial 3

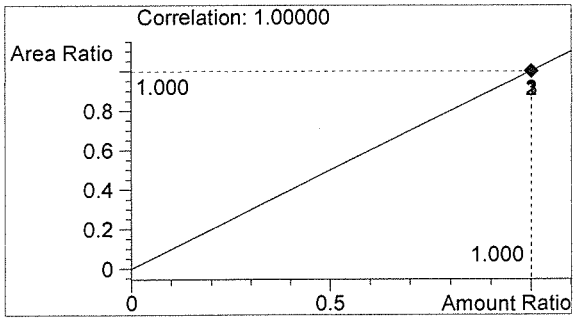


#	Compound	Peak Area	RT (min)
1	Ethanol	1899	1.082
2	n-Propanol	2819	1.762



Ethanol 0.159 g/100mL

RWO

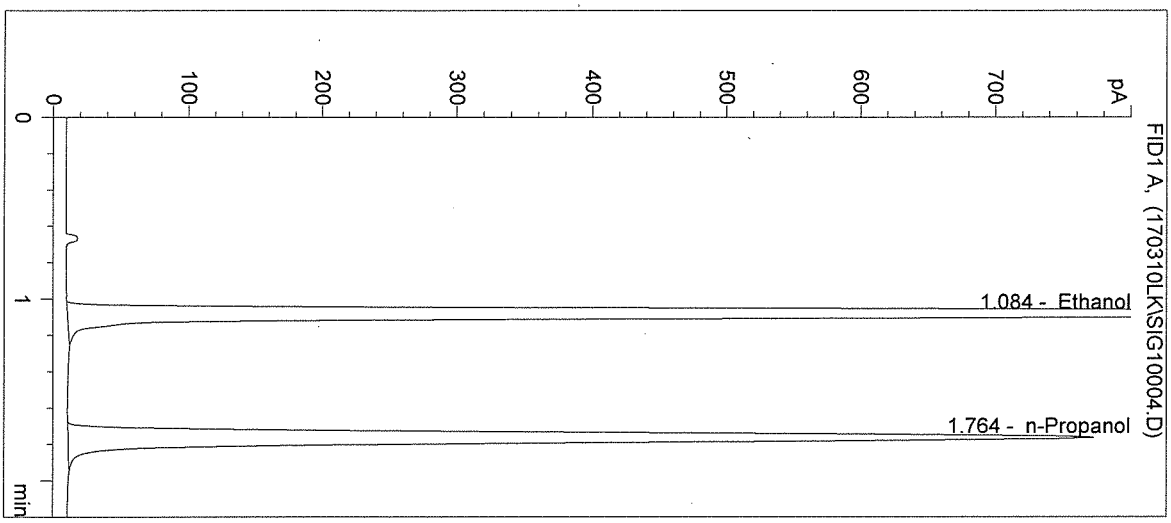


n-Propanol 0.012 g/100mL

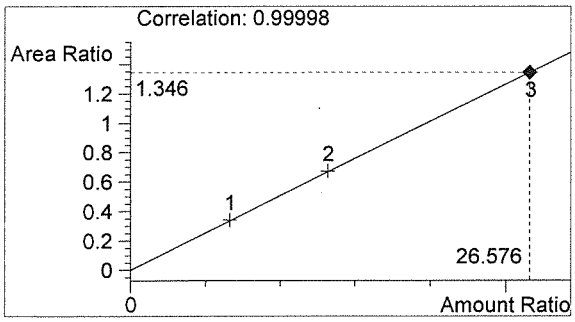
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:18:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.316 CAL 3
Operator: Lyndsey Knoy
Location: Vial 4

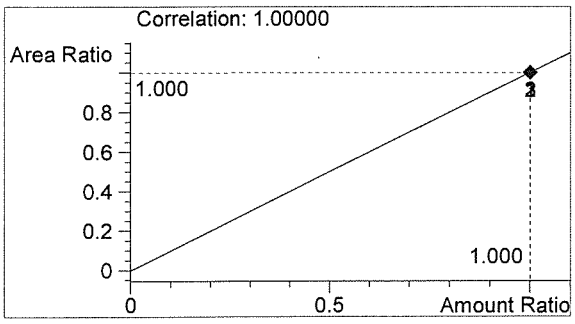


#	Compound	Peak Area	RT (min)
1	Ethanol	3847	1.084
2	n-Propanol	2859	1.764



Ethanol 0.319 g/100mL

BLW

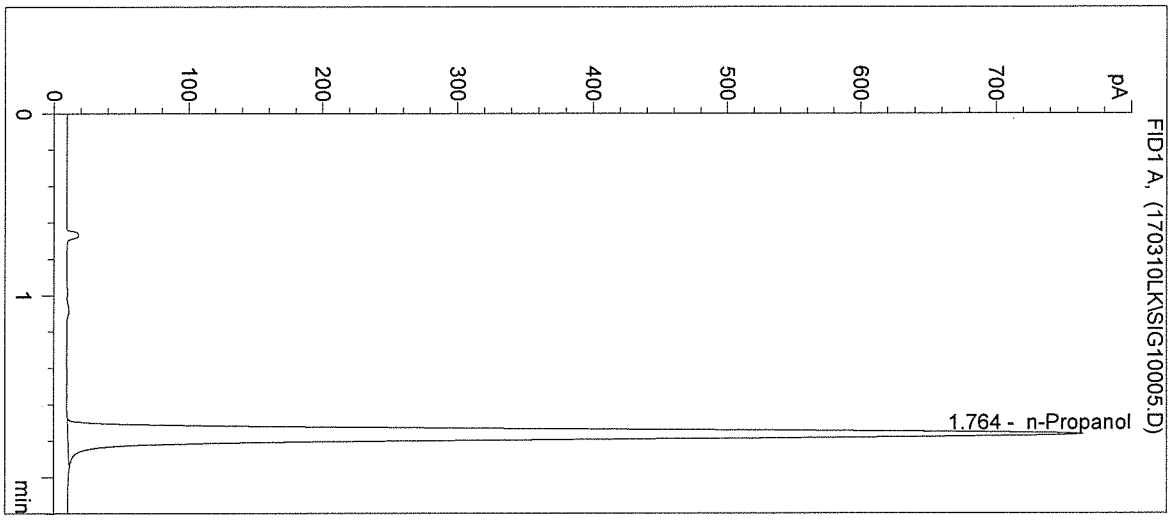


n-Propanol 0.012 g/100mL

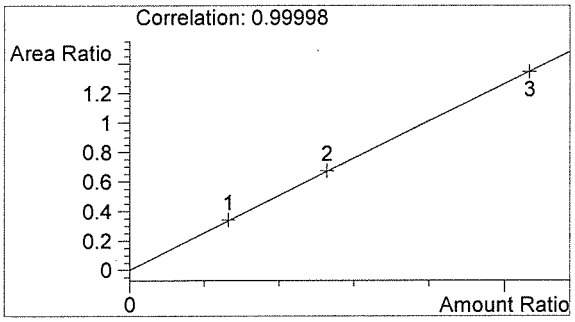
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:21:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Lyndsey Knoy
Location: Vial 5

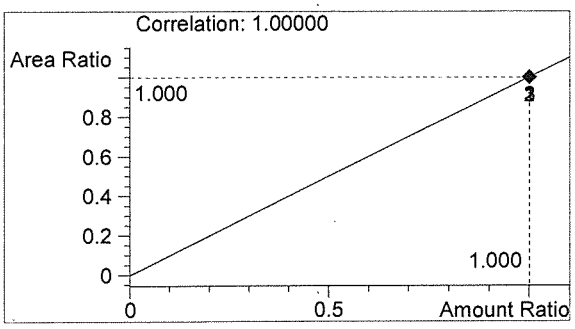


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2832	1.764



Ethanol 0.000 g/100mL

BLD



n-Propanol 0.012 g/100mL

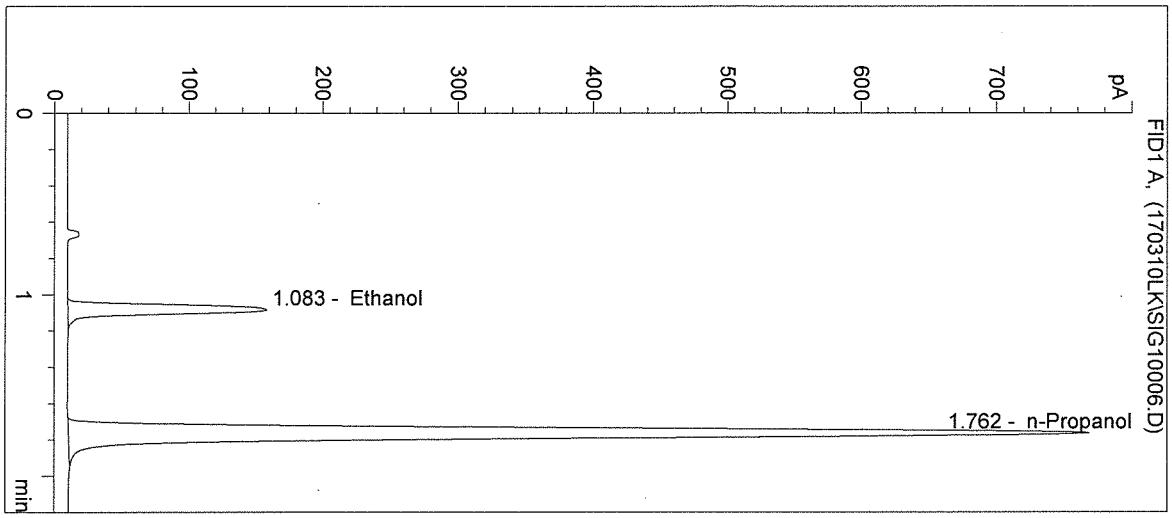
LK

Data File: C:\HPCHEM\1\DATA\170310LK\SIG10005.D

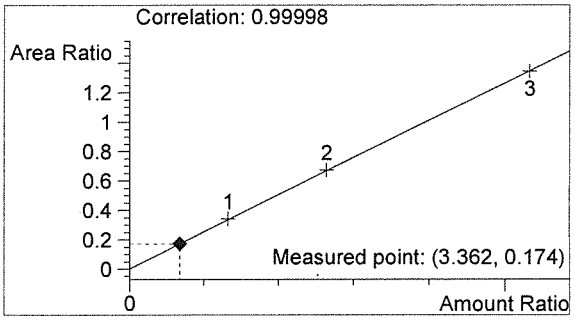
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:25:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.04 CTRL
Operator: Lyndsey Knoy
Location: Vial 6

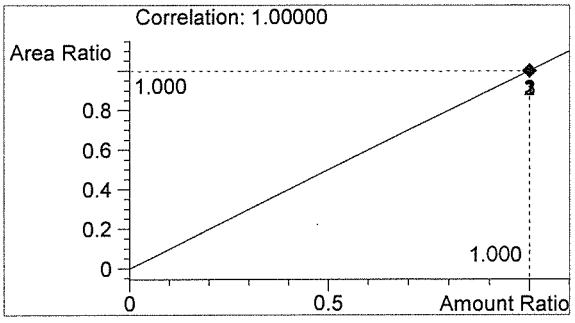


#	Compound	Peak Area	RT (min)
1	Ethanol	496	1.083
2	n-Propanol	2852	1.762



Ethanol 0.040 g/100mL

BWO

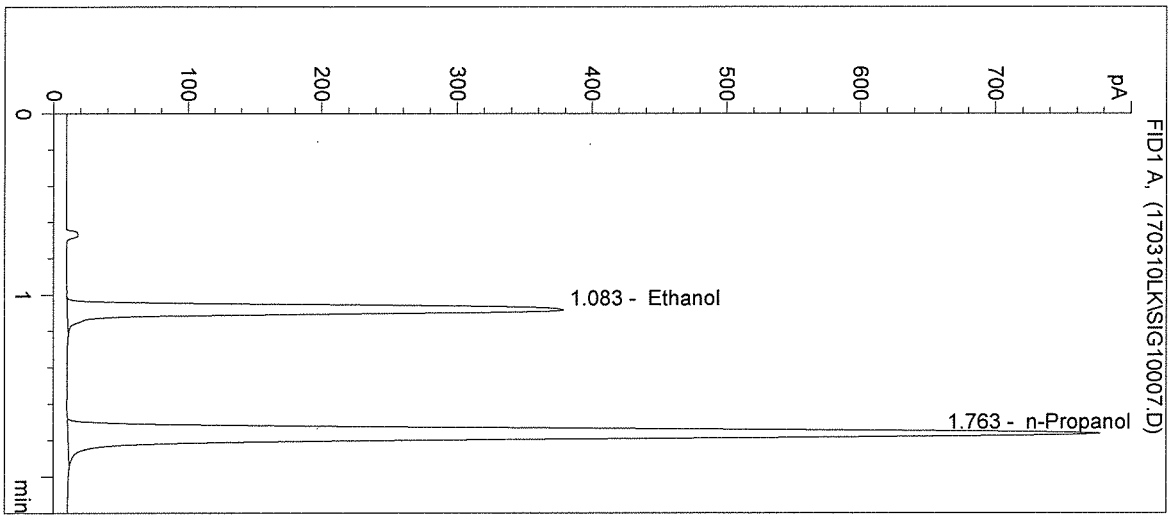


n-Propanol 0.012 g/100mL

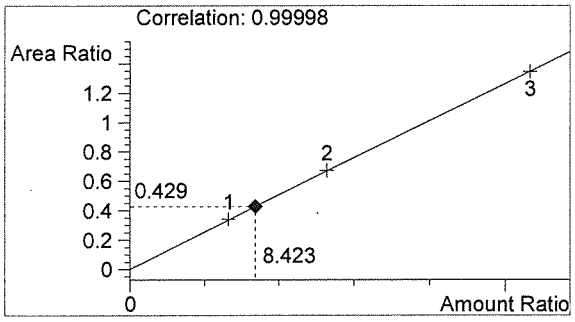
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:28:16 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 7

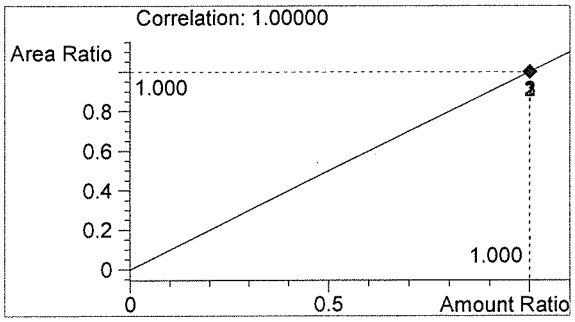


#	Compound	Peak Area	RT (min)
1	Ethanol	1238	1.083
2	n-Propanol	2885	1.763



Ethanol 0.101 g/100mL

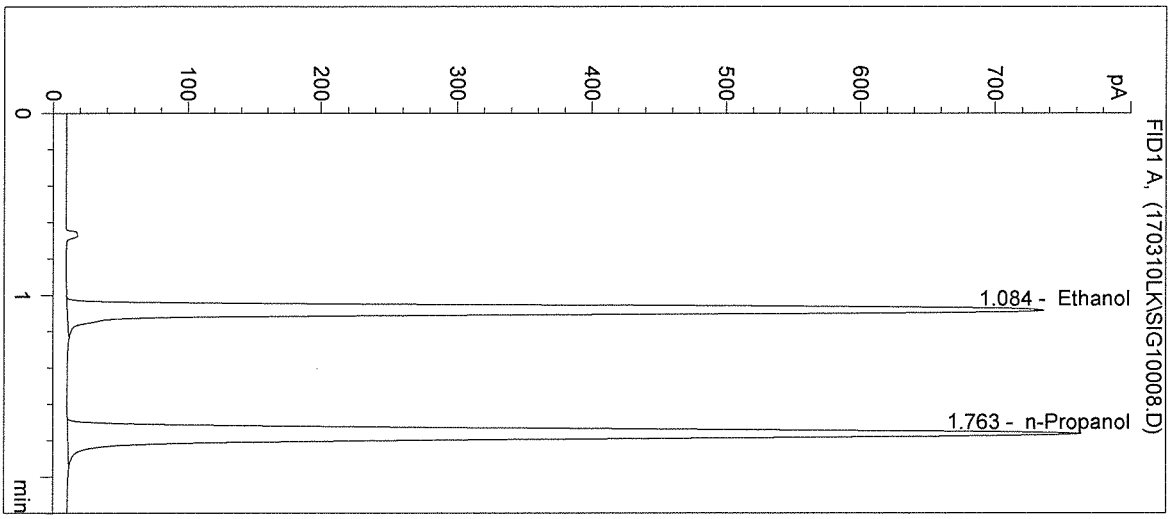
BWO



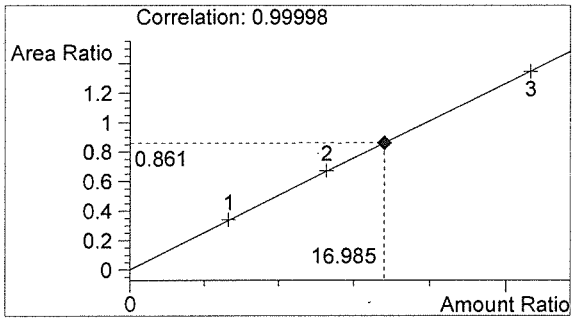
n-Propanol 0.012 g/100mL

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

Inj. Date: 3/10/2017 11:31:29 AM Sample Name: 0.20 CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 8
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

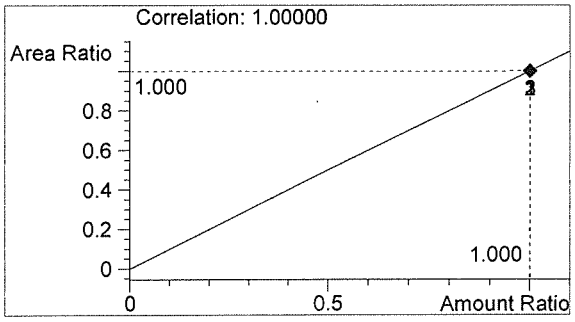


#	Compound	Peak Area	RT (min)
1	Ethanol	2435	1.084
2	n-Propanol	2826	1.763



Ethanol 0.204 g/100mL

BWO

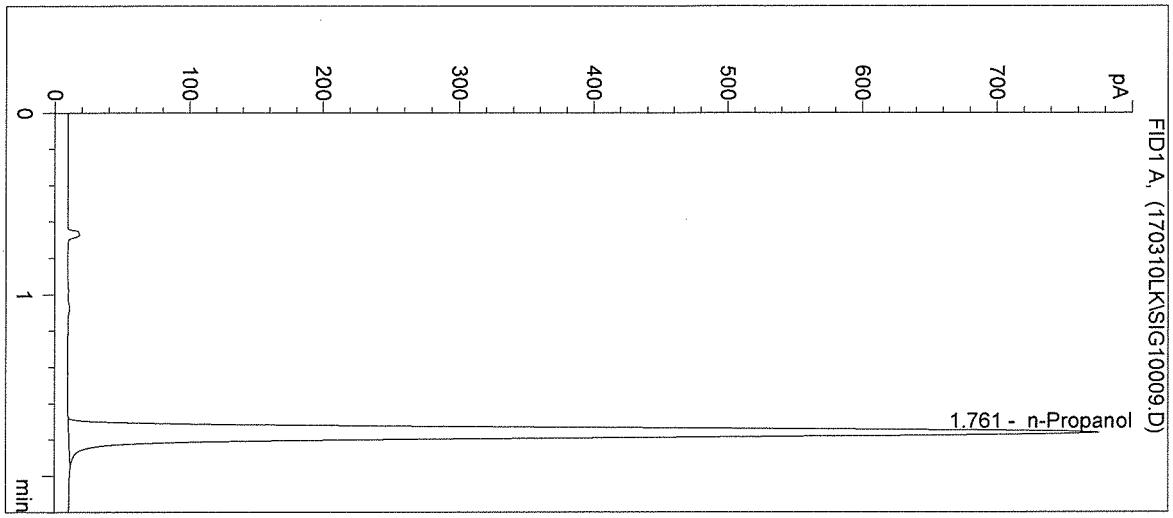


n-Propanol 0.012 g/100mL

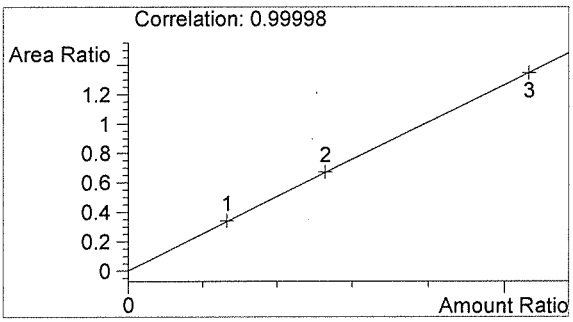
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:34:43 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Lyndsey Knoy
Location: Vial 9

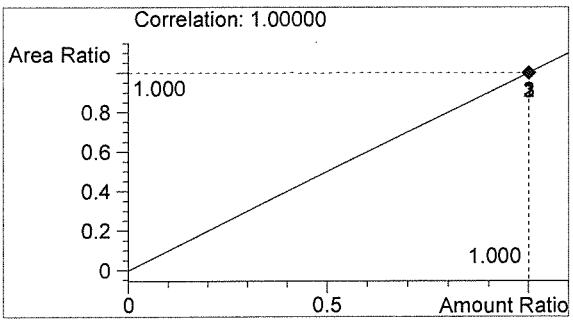


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2860	1.761



Ethanol 0.000 g/100mL

BLD



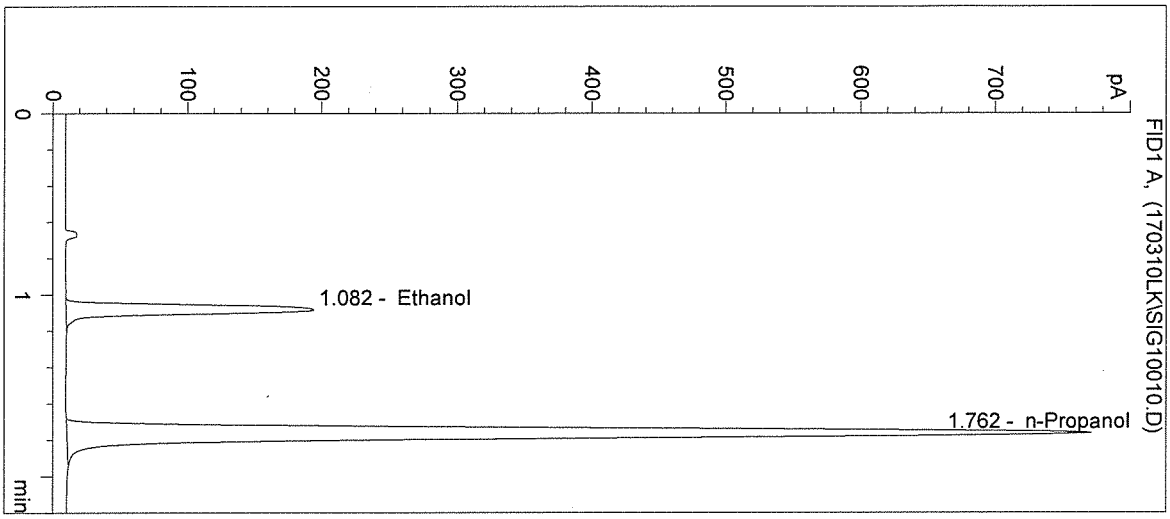
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310LK\SIG10009.D

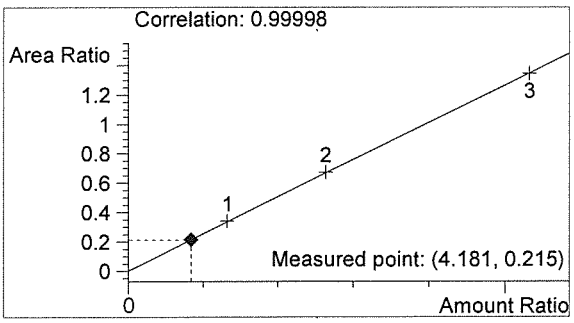
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:37:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

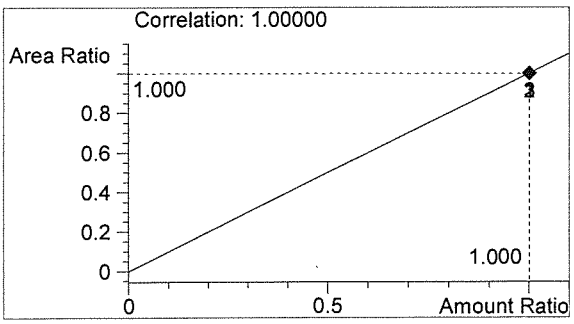
Sample Name: 17026 #1
Operator: Lyndsey Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	613	1.082
2	n-Propanol	2851	1.762



Ethanol 0.050 g/100mL

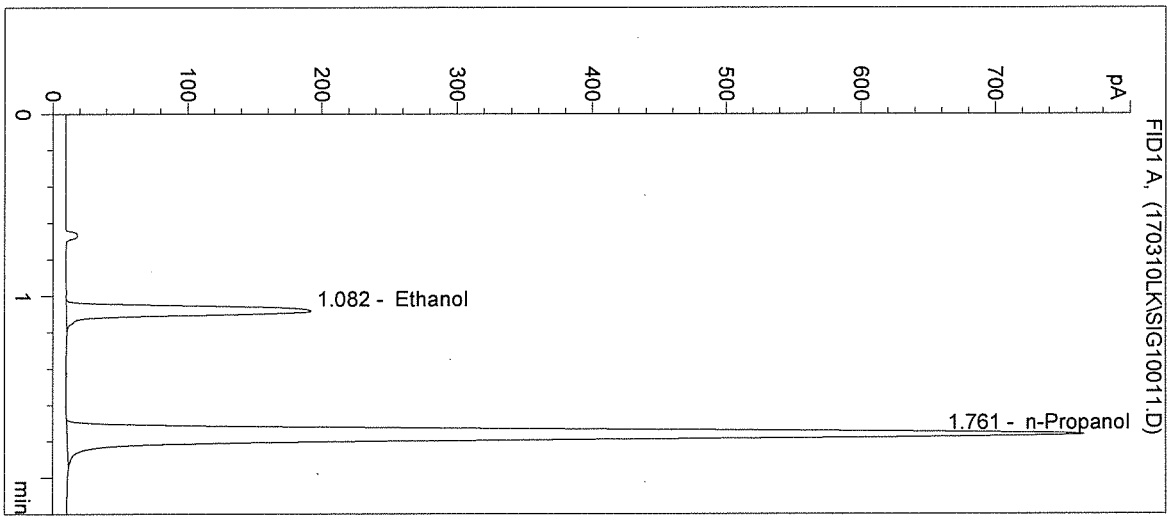


n-Propanol 0.012 g/100mL

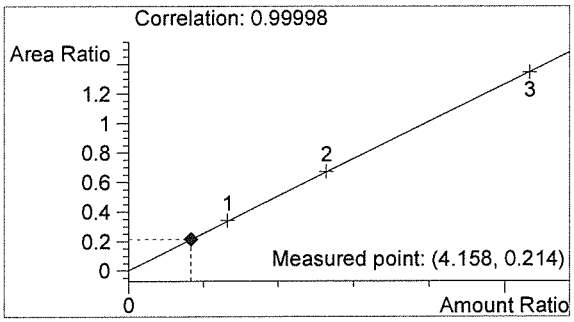
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:41:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #2
Operator: Lyndsey Knoy
Location: Vial 11

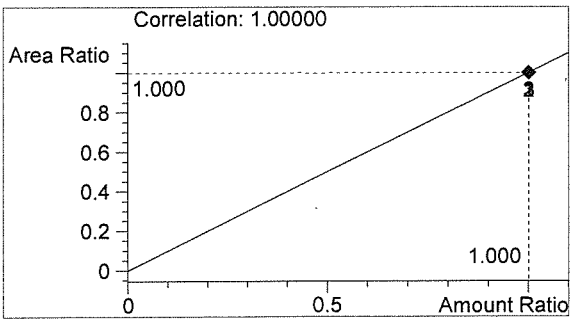


#	Compound	Peak Area	RT (min)
1	Ethanol	607	1.082
2	n-Propanol	2835	1.761



Ethanol 0.050 g/100mL

BWO

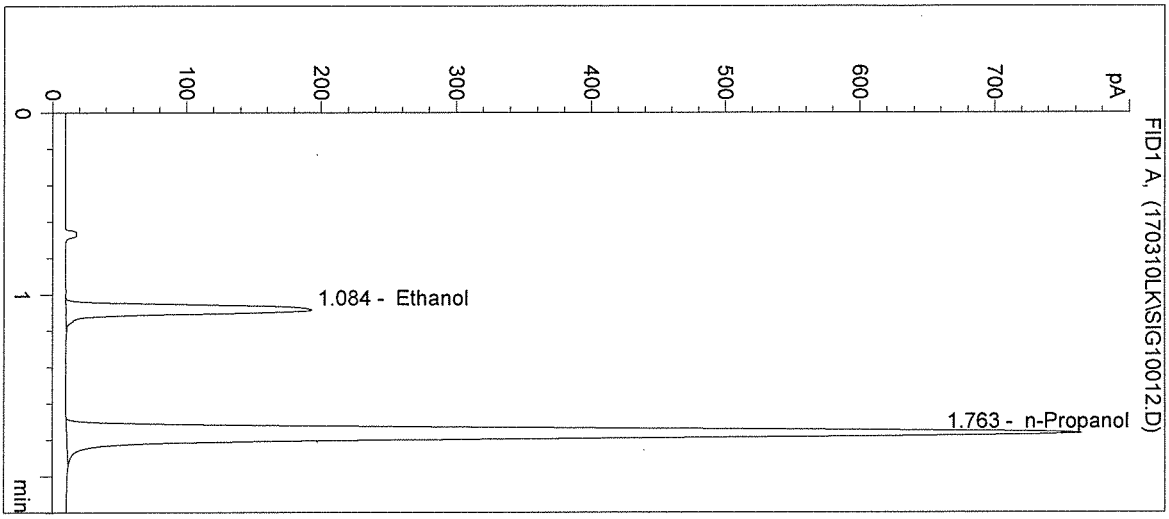


n-Propanol 0.012 g/100mL

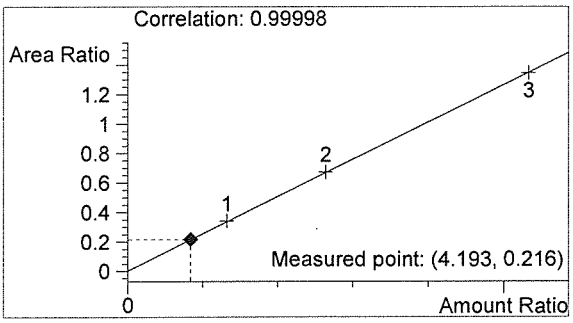
LK

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

Inj. Date: 3/10/2017 11:44:22 AM Sample Name: 17026 #3
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 12
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

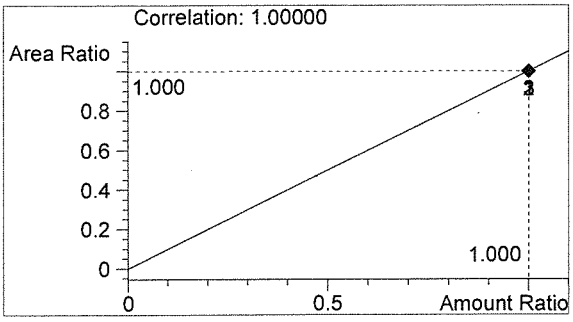


#	Compound	Peak Area	RT (min)
1	Ethanol	611	1.084
2	n-Propanol	2829	1.763



Ethanol 0.050 g/100mL

BWO

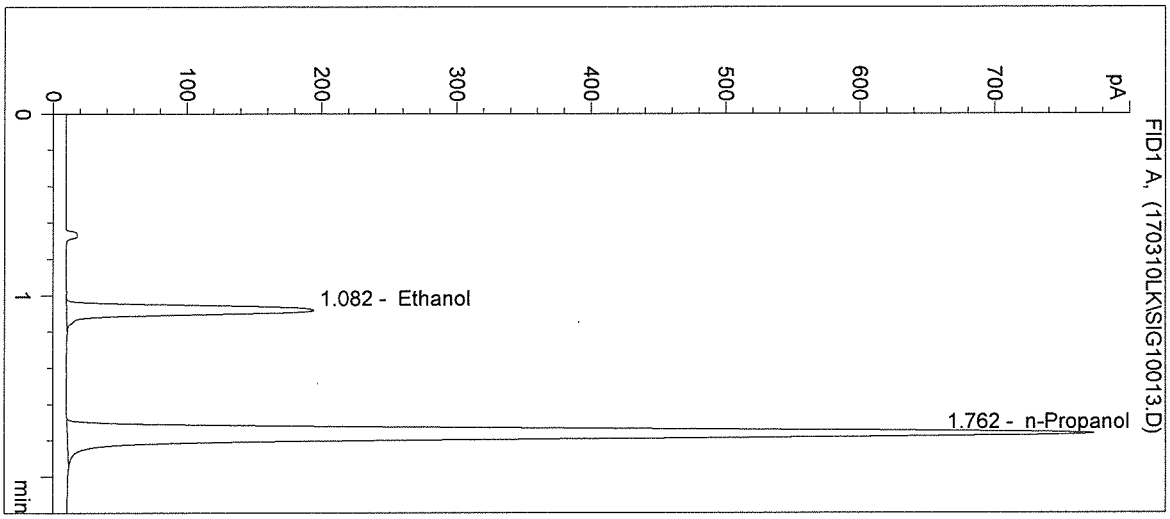


n-Propanol 0.012 g/100mL

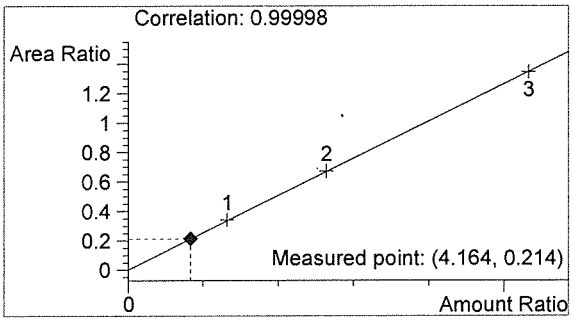
YK

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

Inj. Date: 3/10/2017 11:47:36 AM Sample Name: 17026 #4
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 13
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

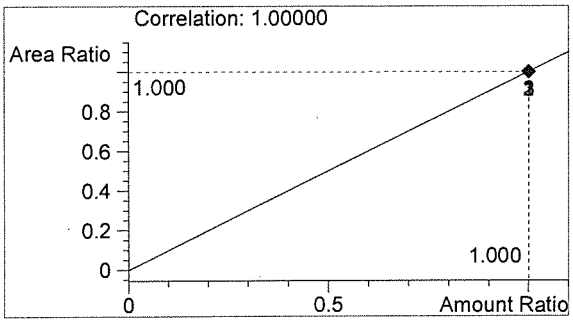


#	Compound	Peak Area	RT (min)
1	Ethanol	613	1.082
2	n-Propanol	2859	1.762



Ethanol 0.050 g/100mL

BLW

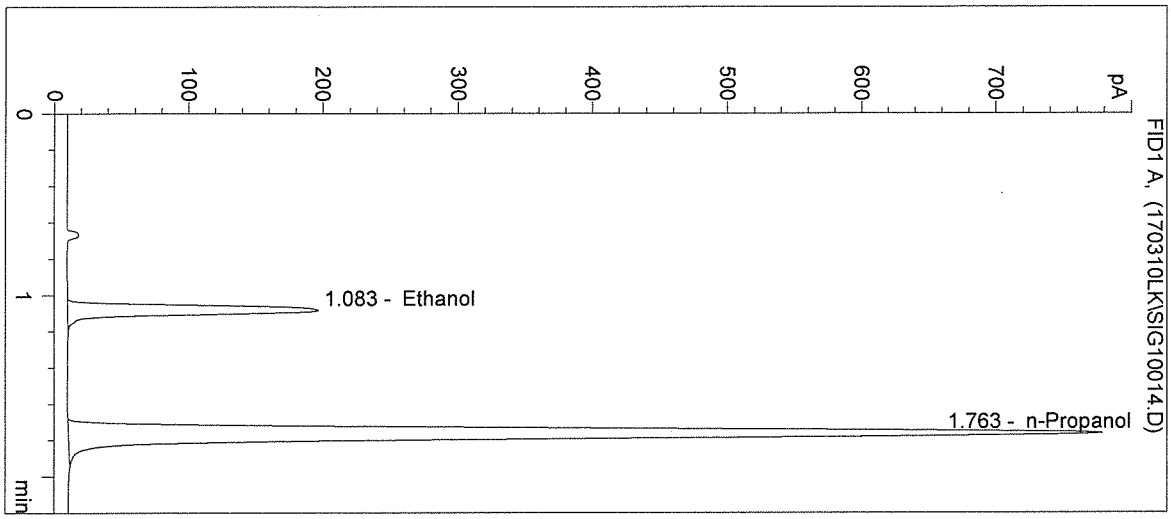


n-Propanol 0.012 g/100mL

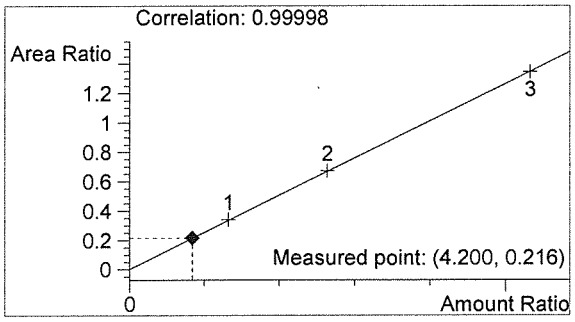
NK

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

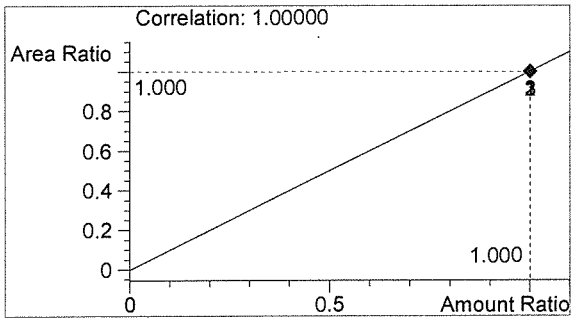
Inj. Date: 3/10/2017 11:50:49 AM Sample Name: 17026 #5
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 14
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	623	1.083
2	n-Propanol	2883	1.763



Ethanol 0.050 g/100mL

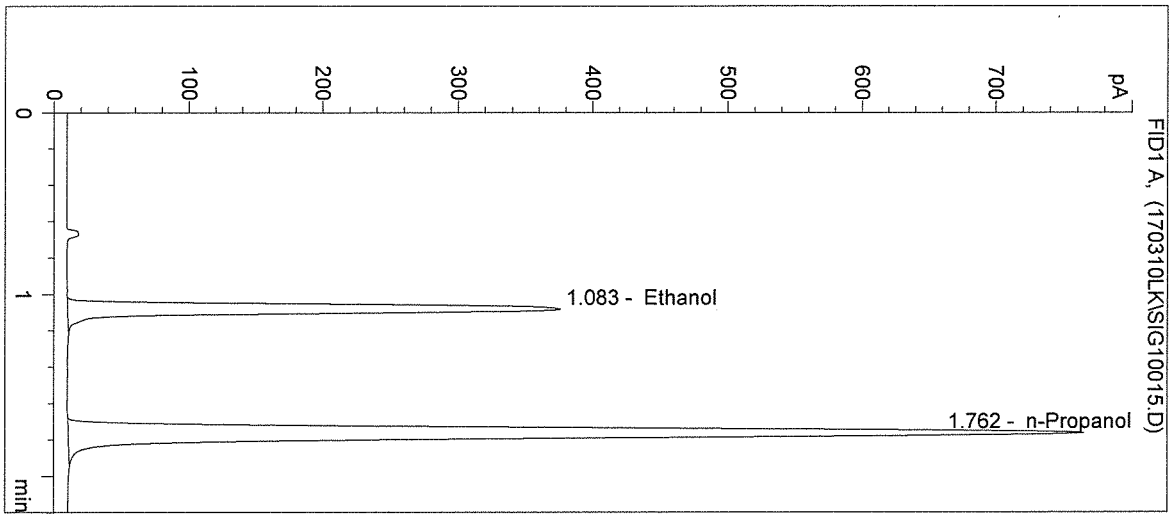


n-Propanol 0.012 g/100mL

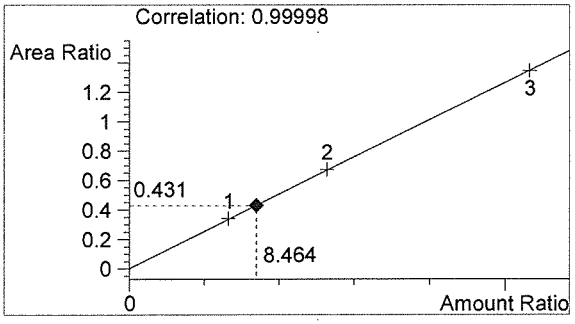
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:54:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 15

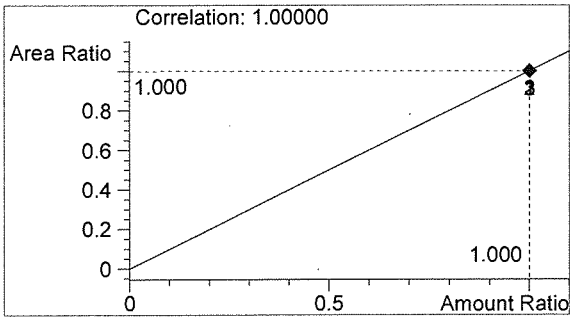


#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.083
2	n-Propanol	2826	1.762



Ethanol 0.102 g/100mL

RWO



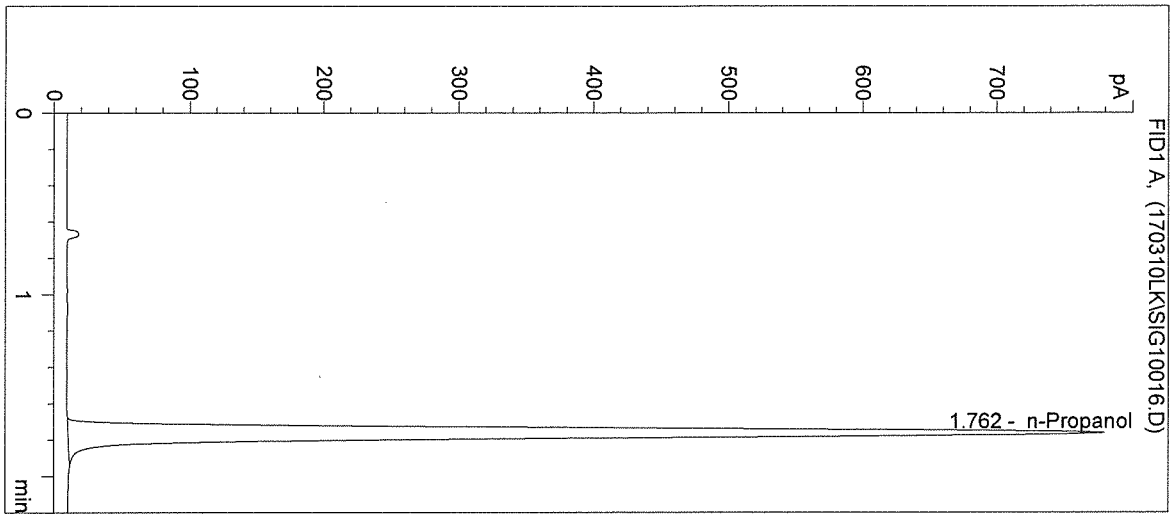
n-Propanol 0.012 g/100mL

JK

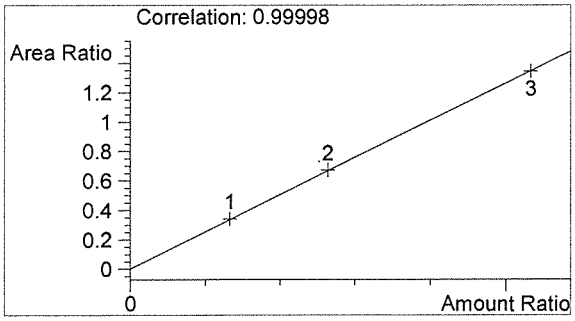
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 11:57:15 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Lyndsey Knoy
Location: Vial 16

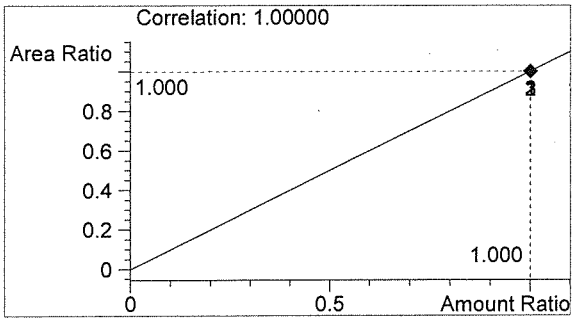


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2882	1.762



Ethanol 0.000 g/100mL

BWO



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

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:	170310A2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17

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 Lot#P0117 - Exp. 04/20/2017

Calibration 1-9 filed with 17026
Diluter #3

17026
BMO 3.14.17

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	Negative 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	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17026 #1	SIMALC1	1	Sample		
11	Vial 11	17026 #2	SIMALC1	1	Sample		
12	Vial 12	17026 #3	SIMALC1	1	Sample		
13	Vial 13	17026 #4	SIMALC1	1	Sample		
14	Vial 14	17026 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17027 #1	SIMALC1	1	Sample		
18	Vial 18	17027 #2	SIMALC1	1	Sample		
19	Vial 19	17027 #3	SIMALC1	1	Sample		
20	Vial 20	17027 #4	SIMALC1	1	Sample		
21	Vial 21	17027 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		

Sequence: C:\HPCHEM\1\SEQUENCE\LKQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	17028 #1	SIMALC1	1	Sample		
25	Vial 25	17028 #2	SIMALC1	1	Sample		
26	Vial 26	17028 #3	SIMALC1	1	Sample		
27	Vial 27	17028 #4	SIMALC1	1	Sample		
28	Vial 28	17028 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17029 #1	SIMALC1	1	Sample		
32	Vial 32	17029 #2	SIMALC1	1	Sample		
33	Vial 33	17029 #3	SIMALC1	1	Sample		
34	Vial 34	17029 #4	SIMALC1	1	Sample		
35	Vial 35	17029 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative 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!

17026
BWO 3.14.17

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

Calibration Table

Calib. Data Modified : Friday, March 10, 2017 2:08:00 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

17026
PLO 3.14.17

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.084	1	1	7.91500e-2	968.78412	8.17003e-5		1	Ethanol
		2	1.58300e-1	1943.72107	8.14417e-5			
		3	3.19520e-1	3920.51758	8.14994e-5			
1.763	1	1	1.20000e-2	2847.21094	4.21465e-6		I1	n-Propanol
		2	1.20000e-2	2872.83301	4.17706e-6			
		3	1.20000e-2	2917.56299	4.11302e-6			

Peak Sum Table

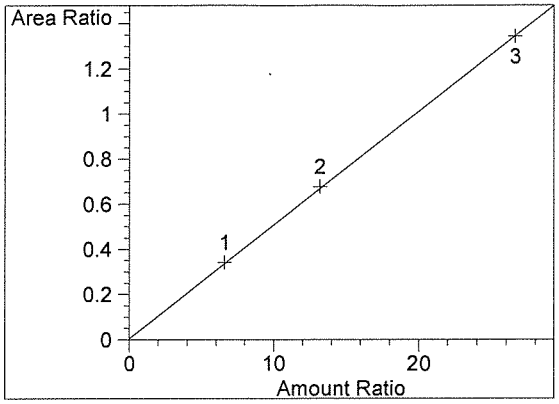
No Entries in table

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

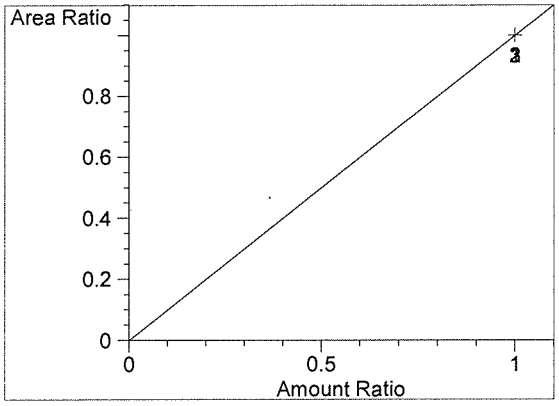
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00664
Formula: y = mx + b
m: 5.04159e-2
b: 5.14892e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.763
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

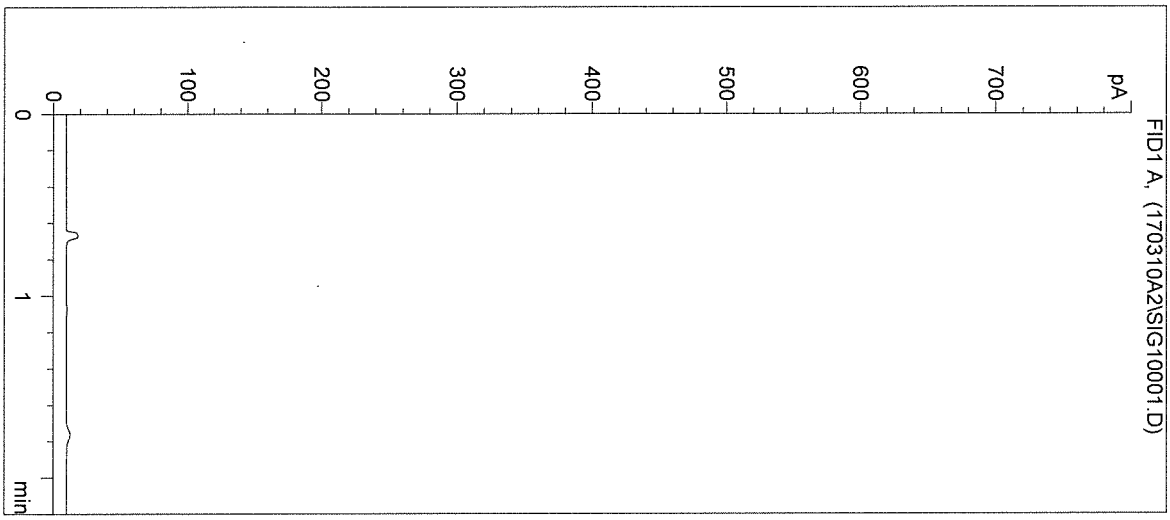
==========

17026
BLW 3-14-17

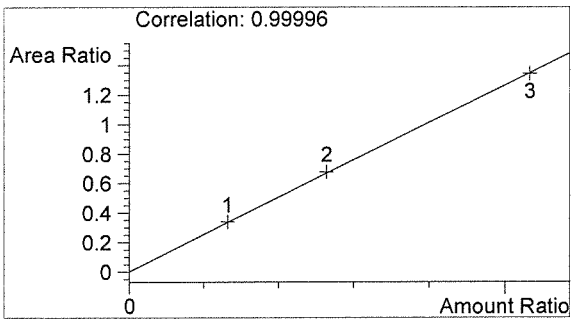
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 1:55:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

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

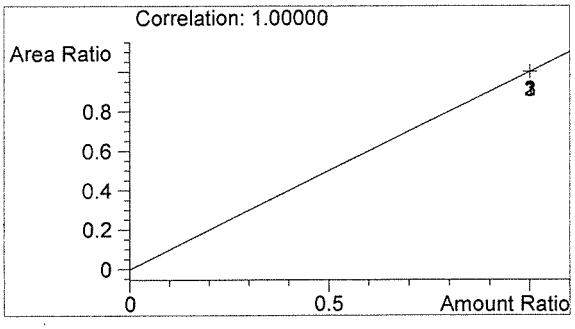


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BLW

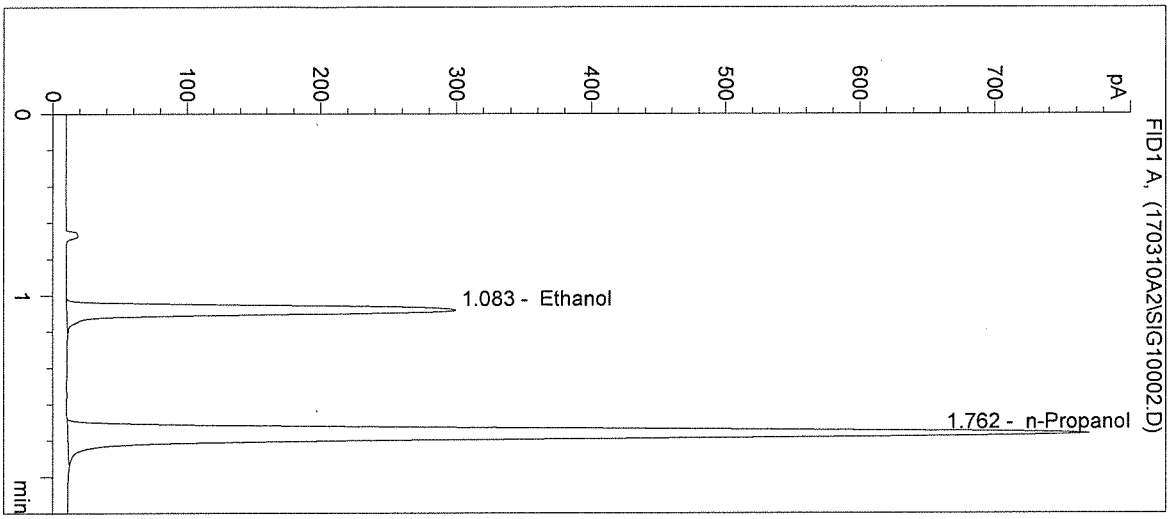


n-Propanol 0.000 g/100mL

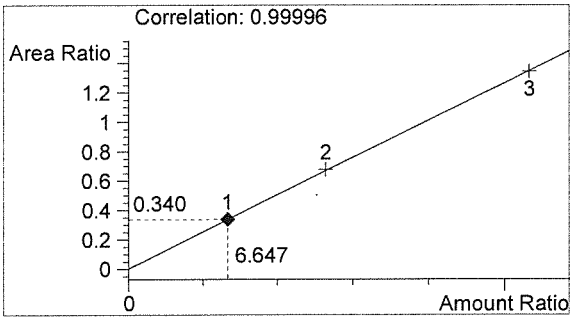
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 1:59:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

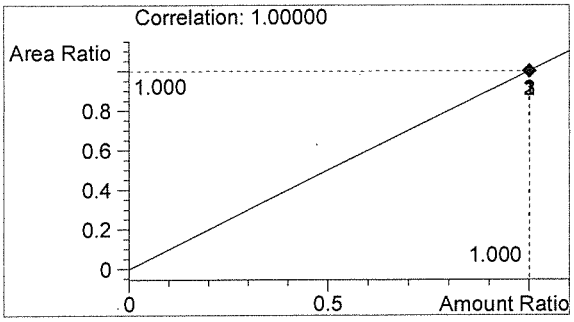
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	969	1.083
2	n-Propanol	2847	1.762



Ethanol 0.080 g/100mL

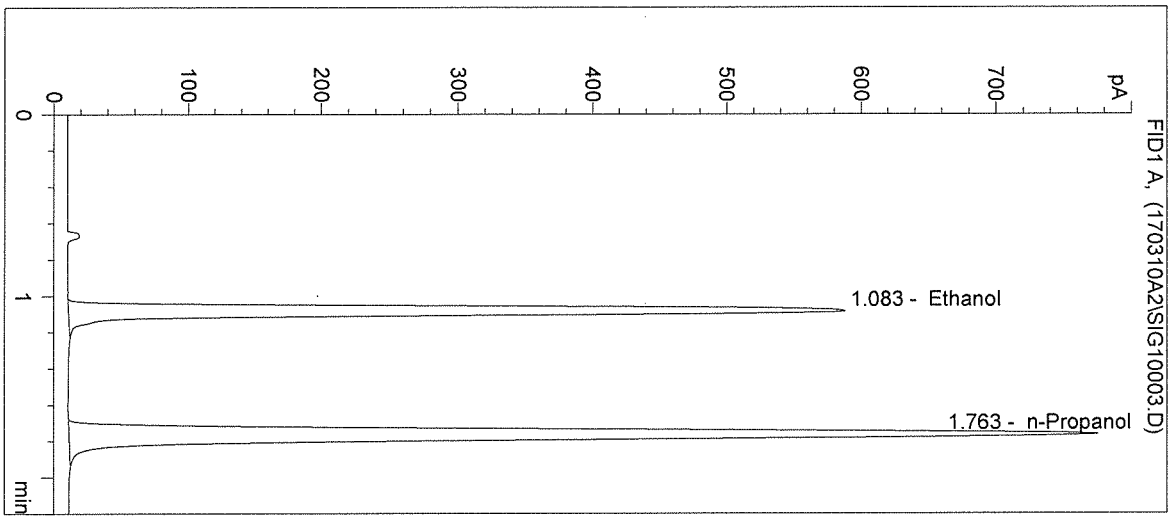


n-Propanol 0.012 g/100mL

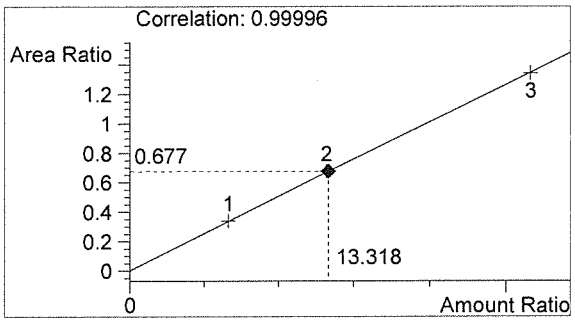
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:02:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

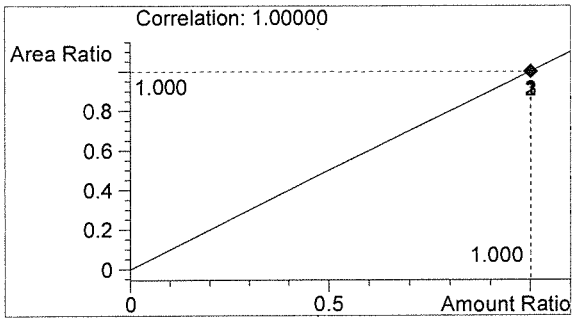
Sample Name: 0.158 CAL 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1944	1.083
2	n-Propanol	2873	1.763



Ethanol 0.160 g/100mL

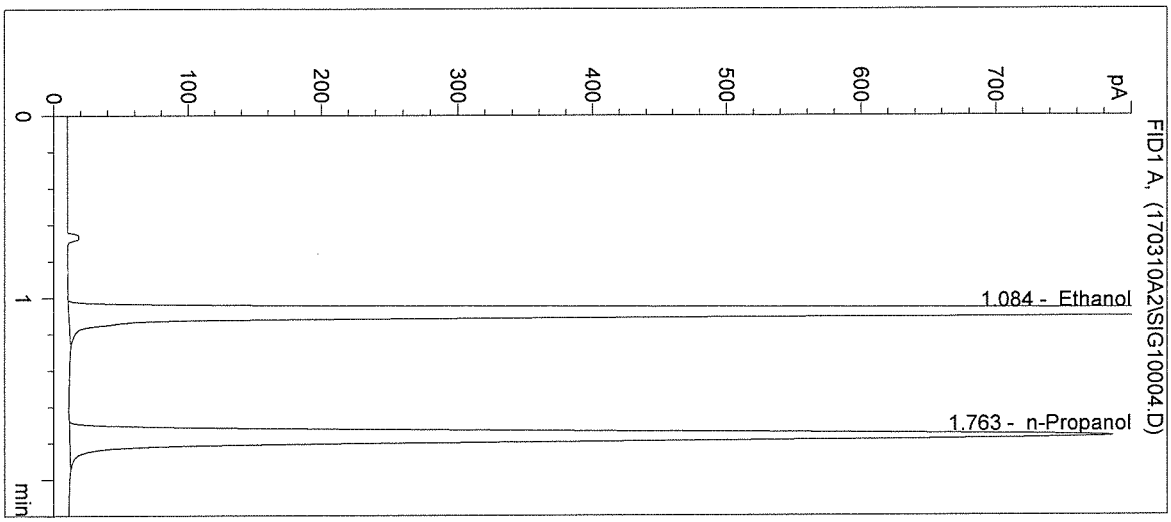


n-Propanol 0.012 g/100mL

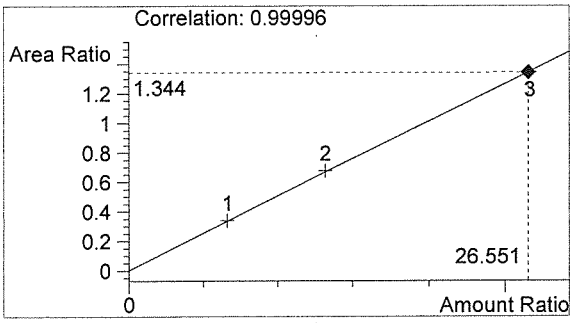
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:05:47 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

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

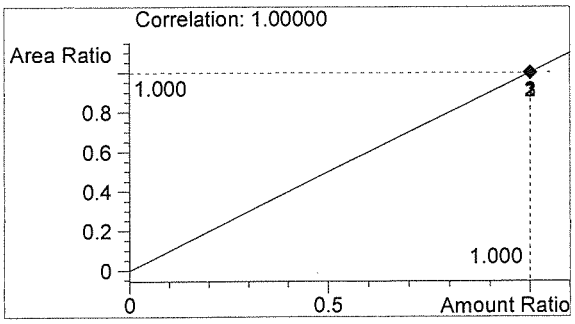


#	Compound	Peak Area	RT (min)
1	Ethanol	3921	1.084
2	n-Propanol	2918	1.763



Ethanol 0.319 g/100mL

PMO

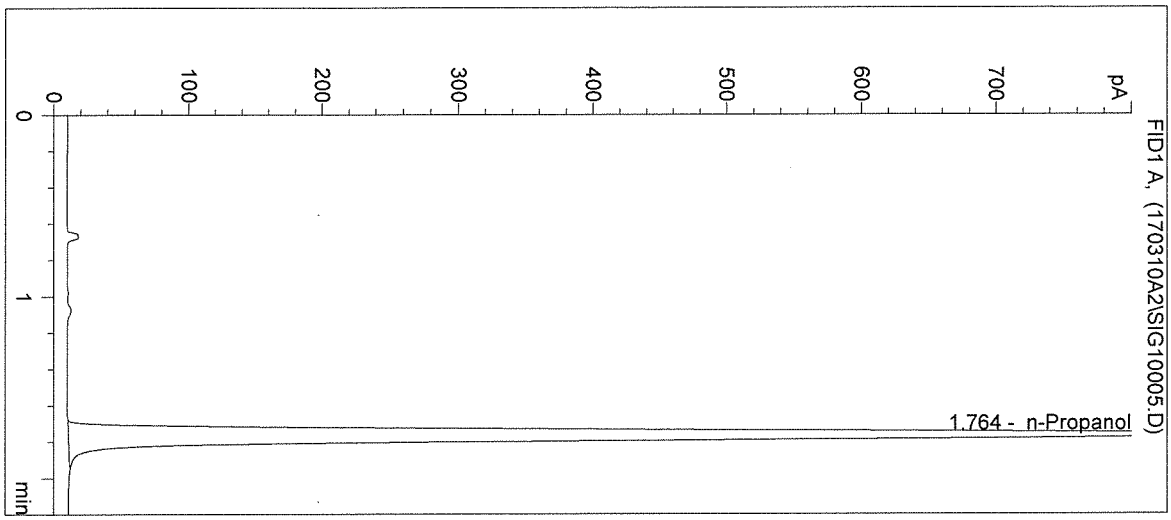


n-Propanol 0.012 g/100mL

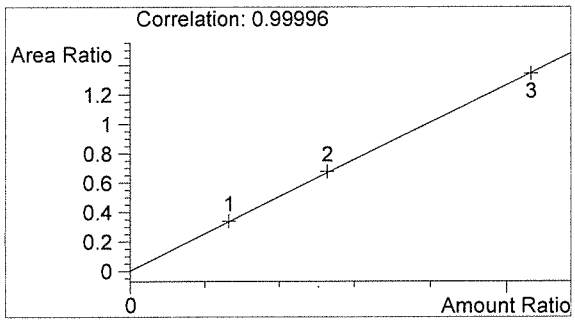
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:09:01 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Andrew Gingras
Location: Vial 5

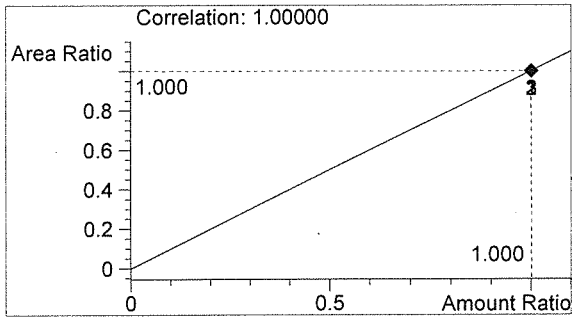


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3401	1.764



Ethanol 0.000 g/100mL

BLD



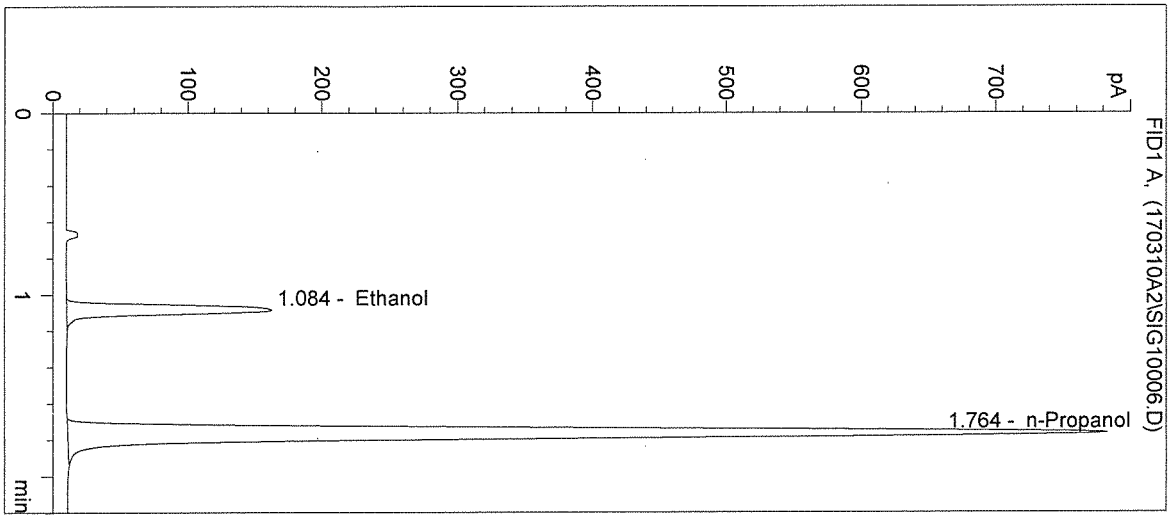
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10005.D

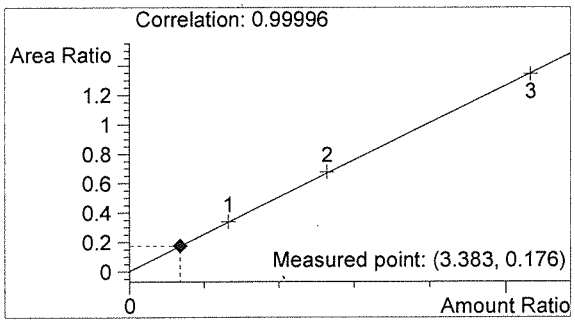
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:12:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

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

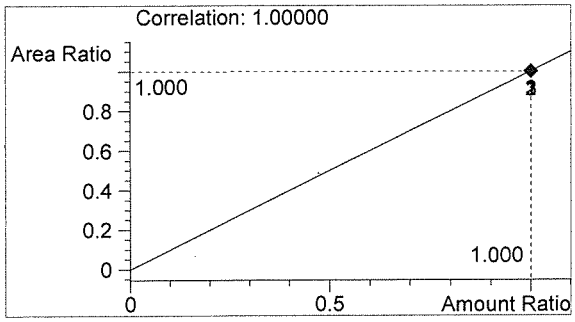


#	Compound	Peak Area	RT (min)
1	Ethanol	512	1.084
2	n-Propanol	2912	1.764



Ethanol 0.041 g/100mL

BWO



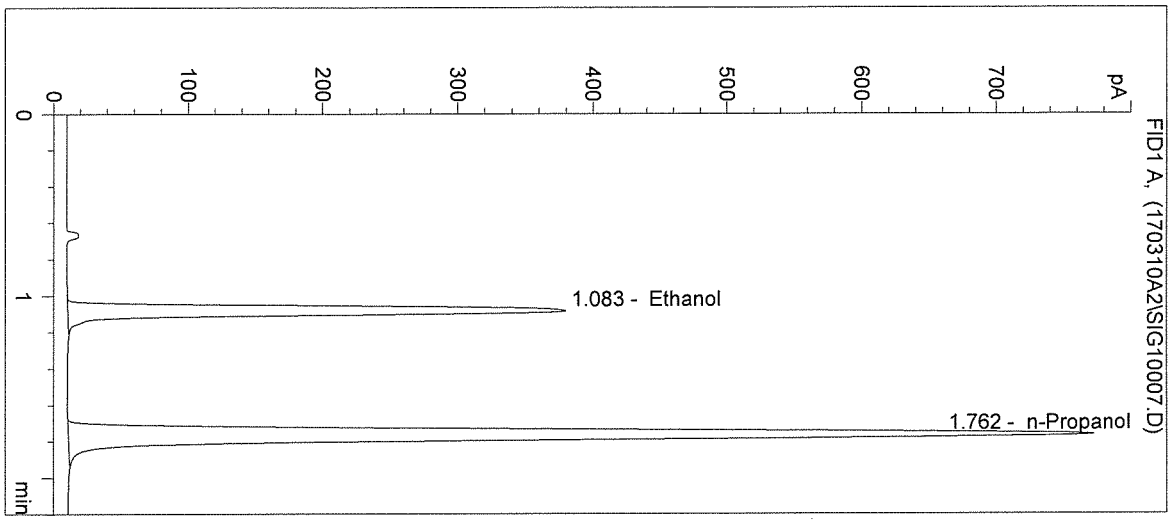
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10006.D

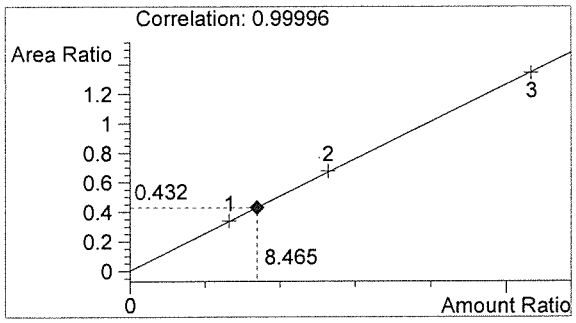
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:15:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

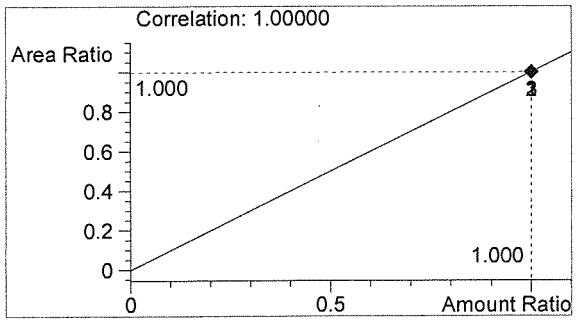
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.083
2	n-Propanol	2863	1.762



Ethanol 0.102 g/100mL



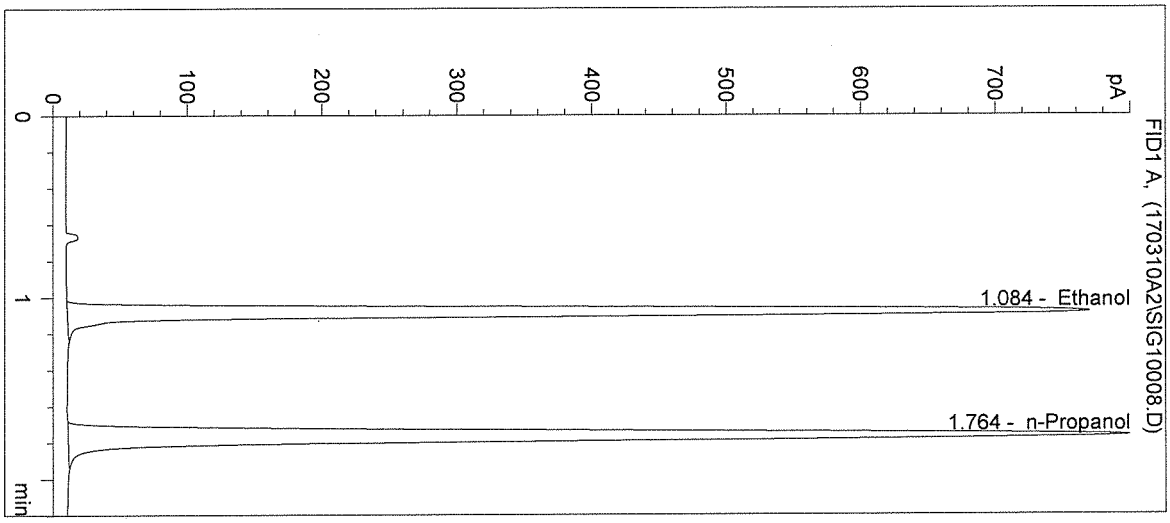
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10007.D

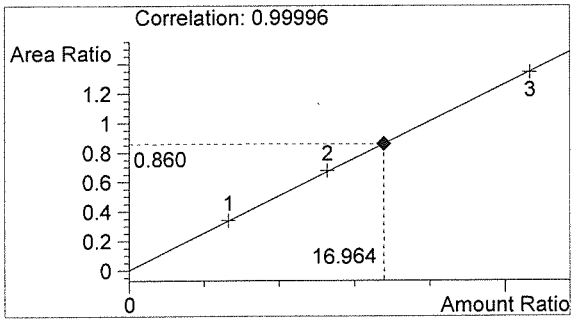
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:18:41 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

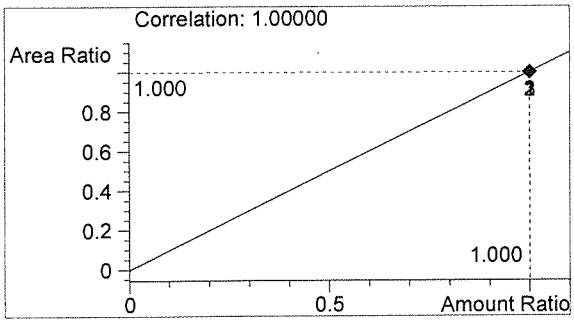
Sample Name: 0.20 CTRL
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2552	1.084
2	n-Propanol	2966	1.764



Ethanol 0.204 g/100mL

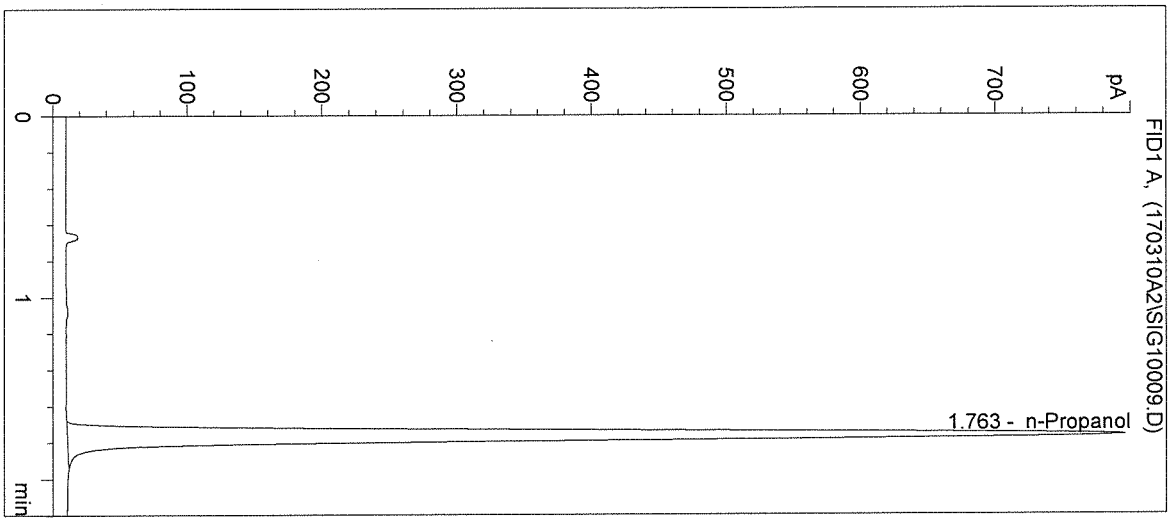


n-Propanol 0.012 g/100mL

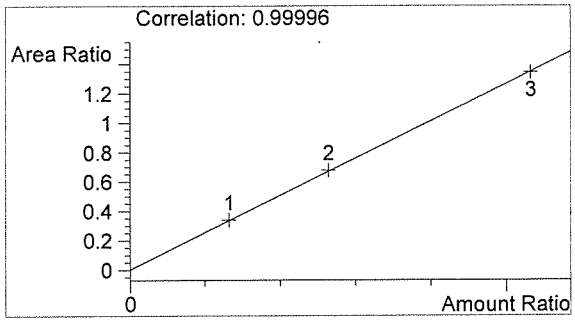
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:21:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Andrew Gingras
Location: Vial 9

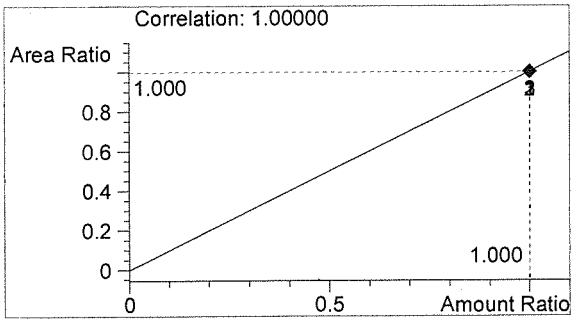


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2953	1.763



Ethanol 0.000 g/100mL

BLD



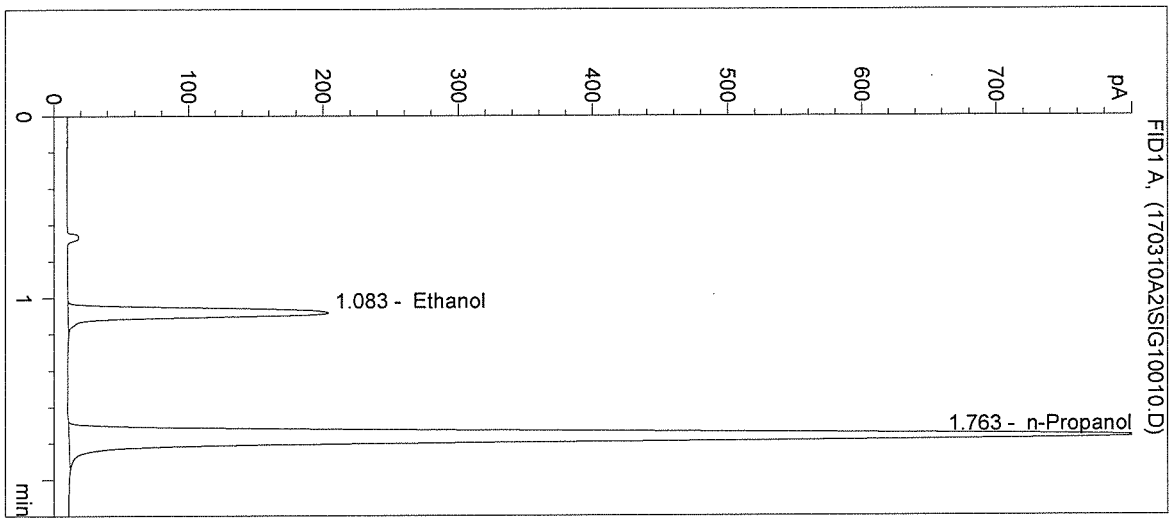
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10009.D

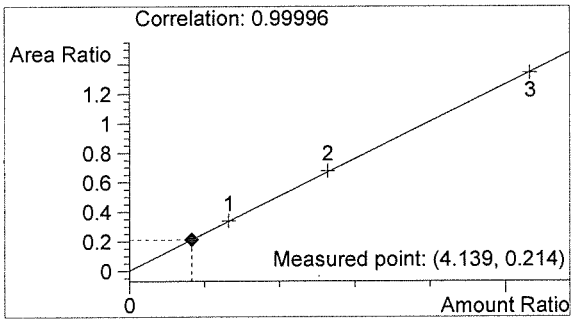
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:25:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

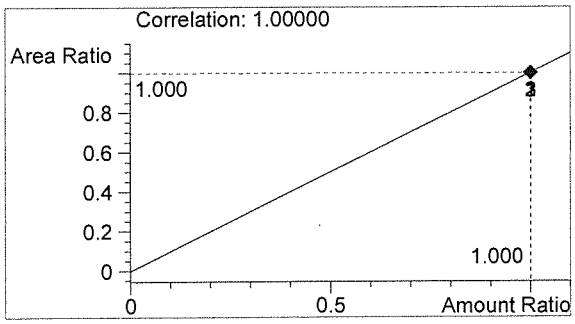
Sample Name: 17026 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	646	1.083
2	n-Propanol	3022	1.763



Ethanol 0.050 g/100mL

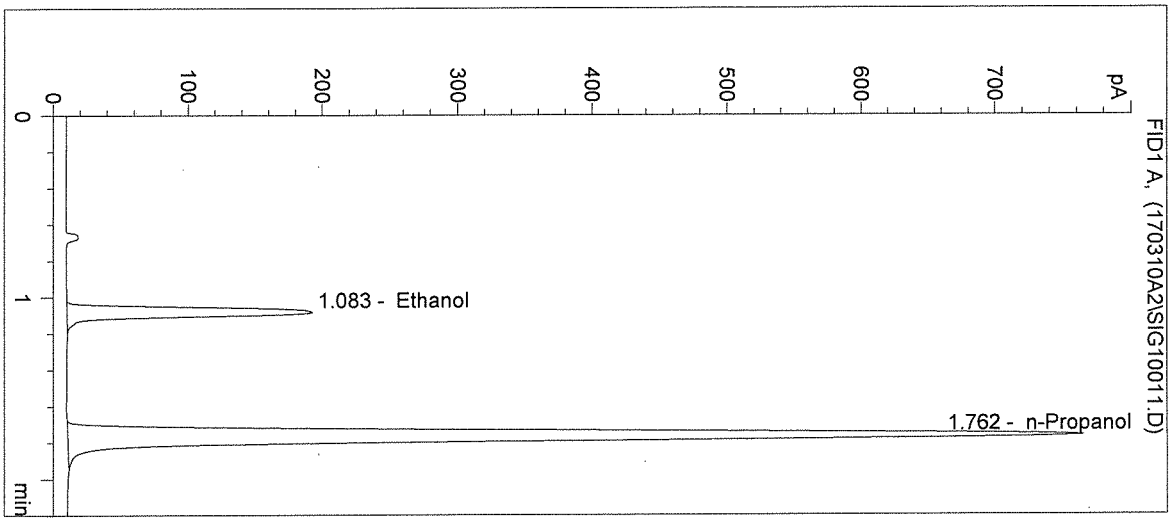


n-Propanol 0.012 g/100mL

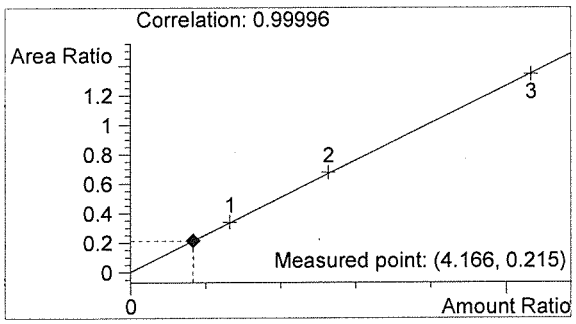
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:28:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #2
Operator: Andrew Gingras
Location: Vial 11

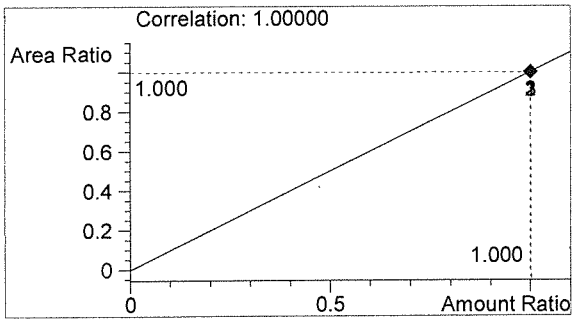


#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.083
2	n-Propanol	2836	1.762



Ethanol 0.050 g/100mL

RW



n-Propanol 0.012 g/100mL

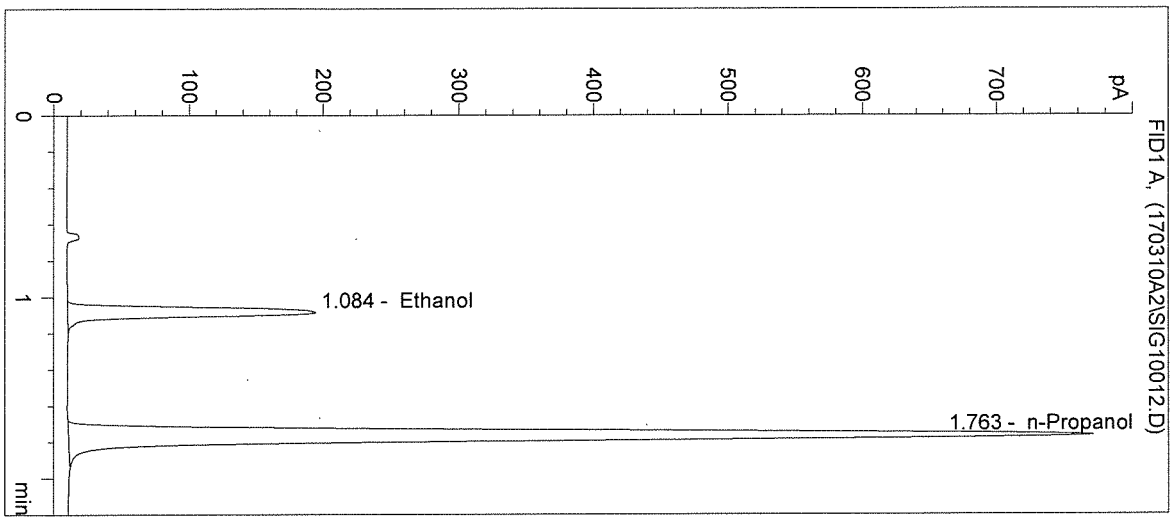
Data File: C:\HPCHEM\1\DATA\170310A2\SIG10011.D

AG

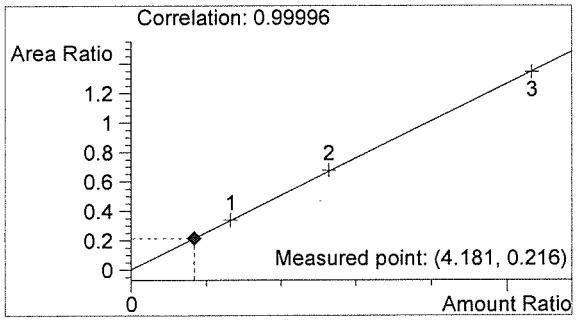
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:31:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #3
Operator: Andrew Gingras
Location: Vial 12

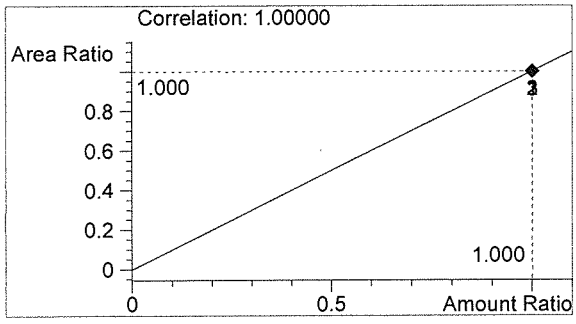


#	Compound	Peak Area	RT (min)
1	Ethanol	617	1.084
2	n-Propanol	2857	1.763



Ethanol 0.050 g/100mL

PWO

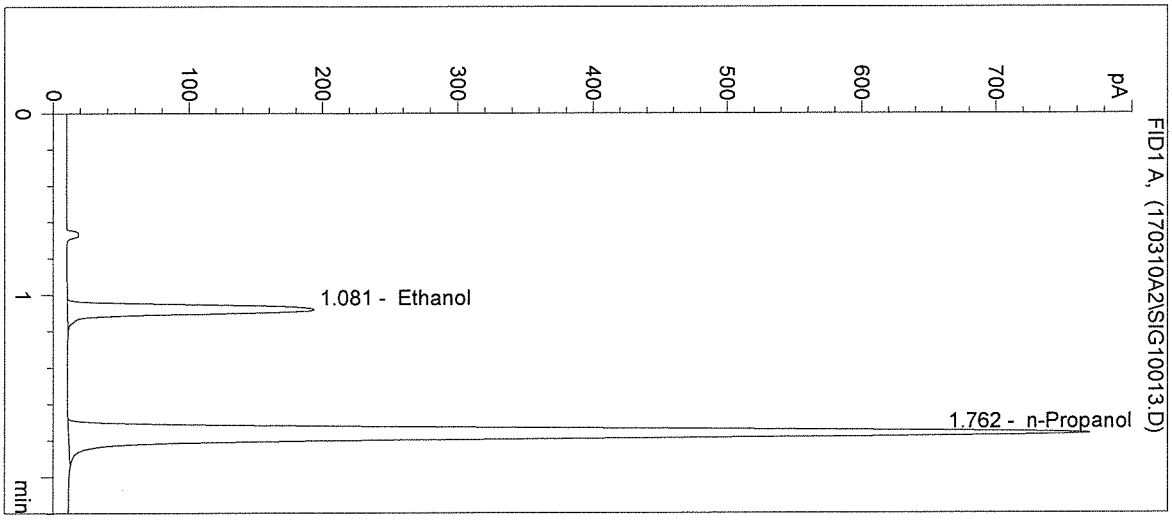


n-Propanol 0.012 g/100mL

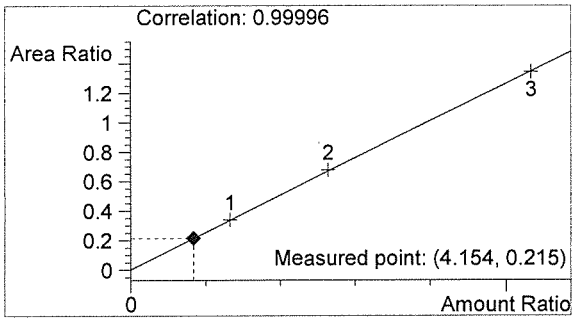
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:34:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #4
Operator: Andrew Gingras
Location: Vial 13

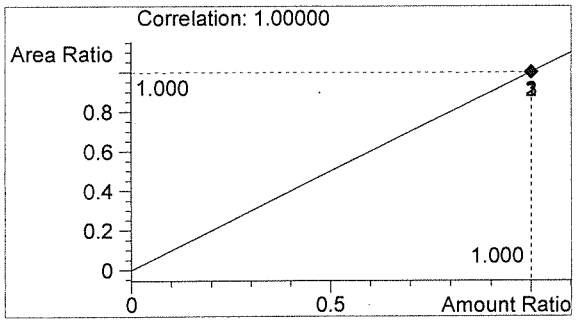


#	Compound	Peak Area	RT (min)
1	Ethanol	610	1.081
2	n-Propanol	2842	1.762



Ethanol 0.050 g/100mL

PWO



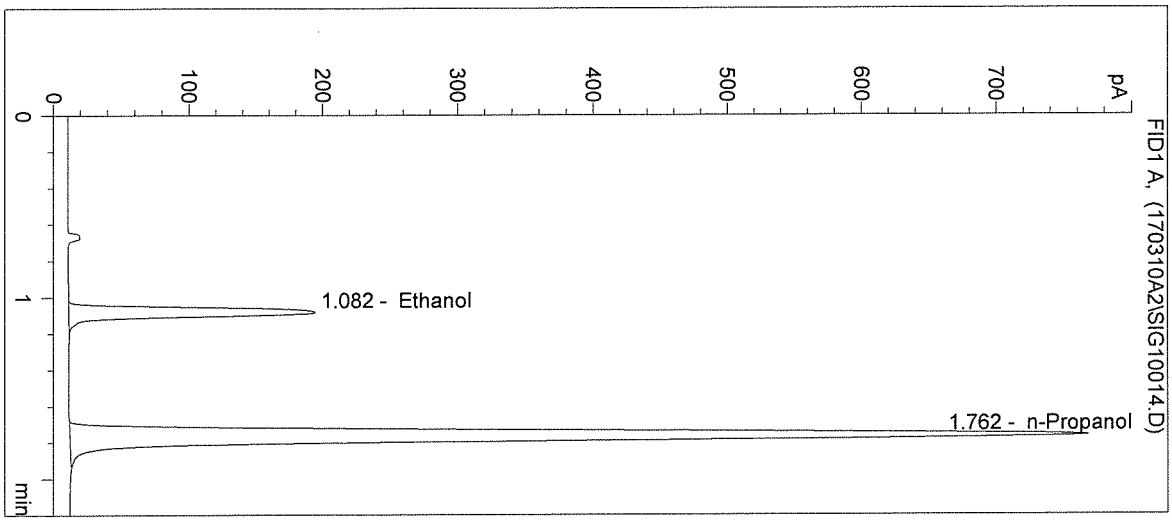
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10013.D

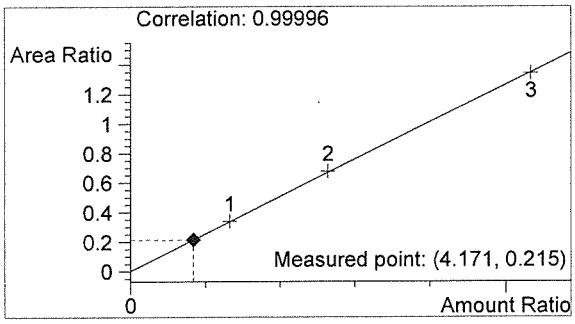
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:37:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #5
Operator: Andrew Gingras
Location: Vial 14

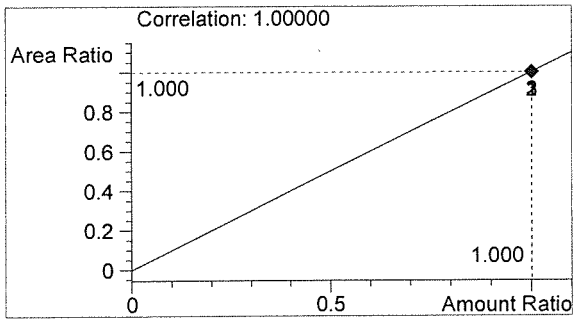


#	Compound	Peak Area	RT (min)
1	Ethanol	611	1.082
2	n-Propanol	2838	1.762



Ethanol 0.050 g/100mL

BLW



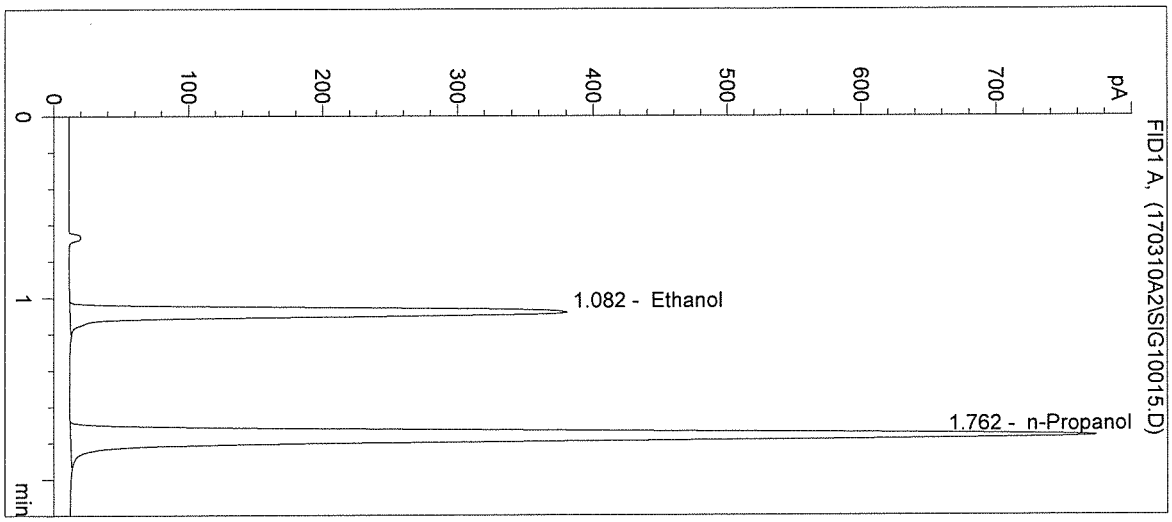
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10014.D

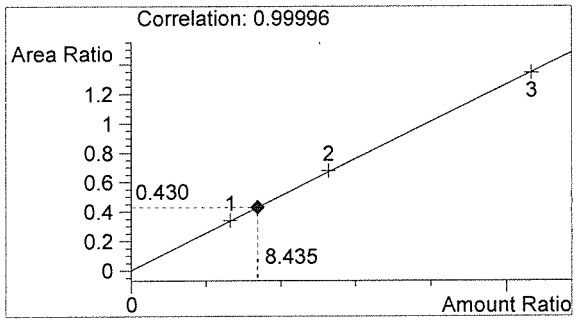
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:41:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

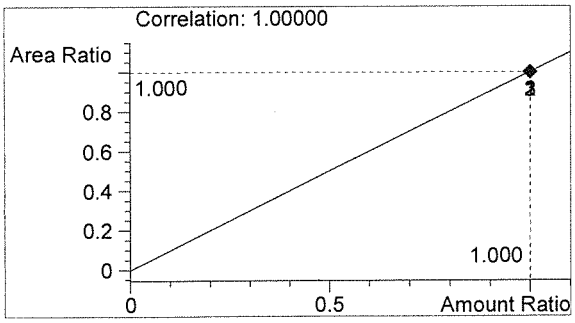
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.082
2	n-Propanol	2856	1.762



Ethanol 0.101 g/100mL

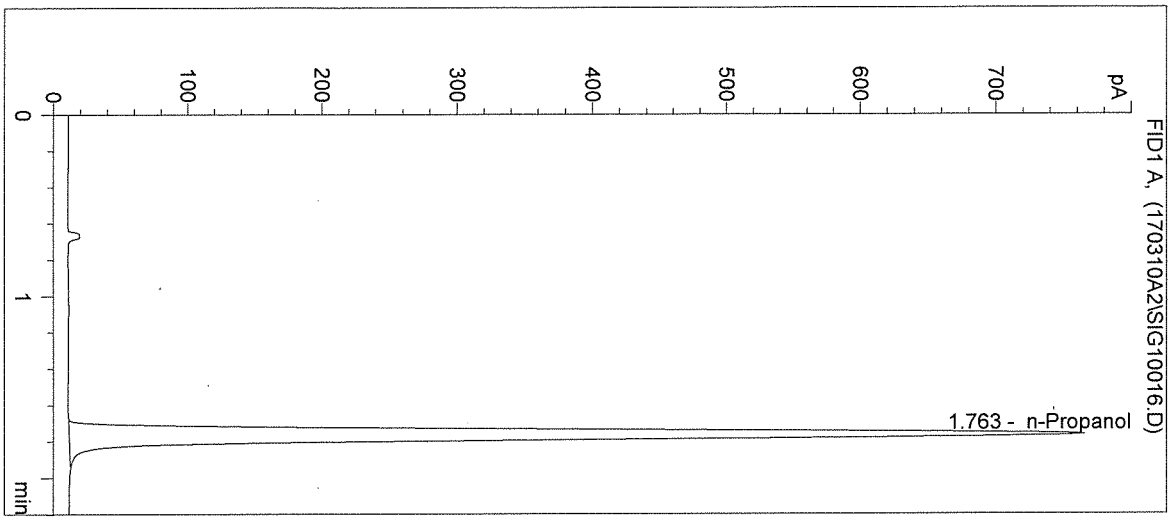


n-Propanol 0.012 g/100mL

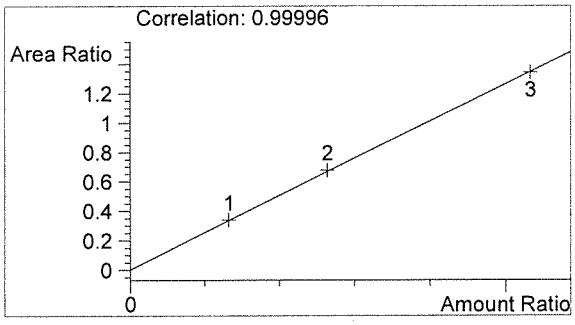
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 2:44:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

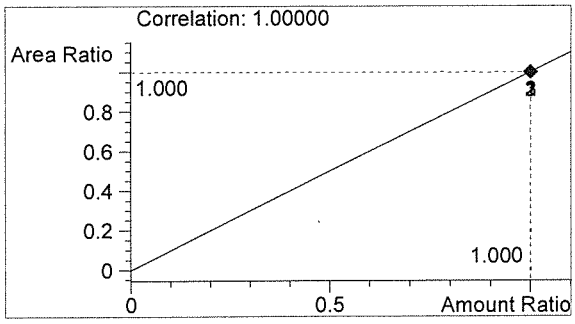
Sample Name: Negative CTRL
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2830	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10016.D

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP.S

Sequence Parameters:

Operator:	Christie Mitchell-Mata
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:	170313CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17

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 Lot#P0117 - Exp. 04/20/2017

Calibration 1-9 filed with 17026

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	Negative 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	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17026 #1	SIMALC1	1	Sample		
11	Vial 11	17026 #2	SIMALC1	1	Sample		
12	Vial 12	17026 #3	SIMALC1	1	Sample		
13	Vial 13	17026 #4	SIMALC1	1	Sample		
14	Vial 14	17026 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17027 #1	SIMALC1	1	Sample		
18	Vial 18	17027 #2	SIMALC1	1	Sample		
19	Vial 19	17027 #3	SIMALC1	1	Sample		
20	Vial 20	17027 #4	SIMALC1	1	Sample		
21	Vial 21	17027 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17028 #1	SIMALC1	1	Sample		

17026
BMO 3.14.17

CM

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	17028 #2	SIMALC1	1	Sample		
26	Vial 26	17028 #3	SIMALC1	1	Sample		
27	Vial 27	17028 #4	SIMALC1	1	Sample		
28	Vial 28	17028 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17029 #1	SIMALC1	1	Sample		
32	Vial 32	17029 #2	SIMALC1	1	Sample		
33	Vial 33	17029 #3	SIMALC1	1	Sample		
34	Vial 34	17029 #4	SIMALC1	1	Sample		
35	Vial 35	17029 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	Negative 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!

17026
BLO 3.14.17

BLO 3.14.17
17031364

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

Calibration Table

Calib. Data Modified : Monday, March 13, 2017 11:34:51 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
1.084	1	1 7.91500e-2	987.74988	8.01316e-5	1		Ethanol
		2 1.58300e-1	1985.05725	7.97458e-5			
		3 3.19520e-1	3981.47559	8.02517e-5			
1.764	1	1 1.20000e-2	2876.31152	4.17201e-6	I1		n-Propanol
		2 1.20000e-2	2912.11279	4.12072e-6			
		3 1.20000e-2	2903.38916	4.13310e-6			

17026
BLO 3·14·17

Peak Sum Table

No Entries in table

BLO 3·14·17
~~17031301~~

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Calibration Curves

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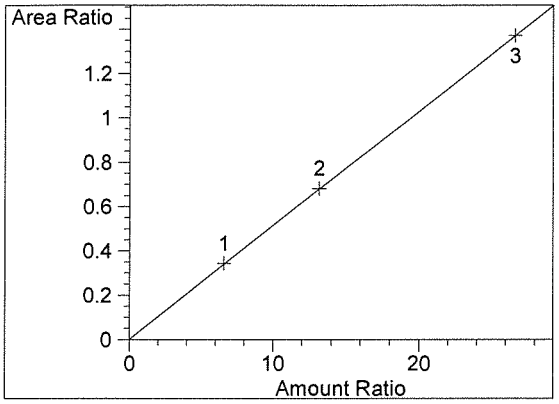
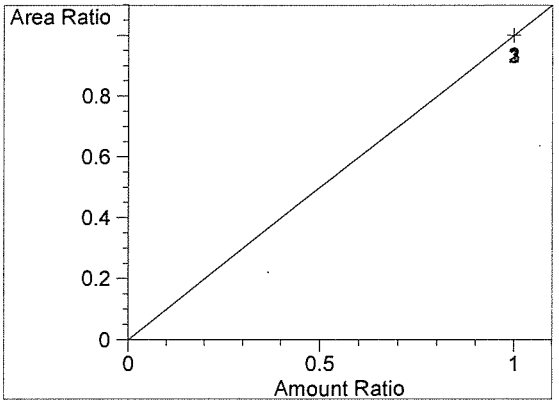


Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00217
Formula: y = mx + b
m: 5.14631e-2
b: 1.94175e-3
x: Amount Ratio
y: Area Ratio



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

==========

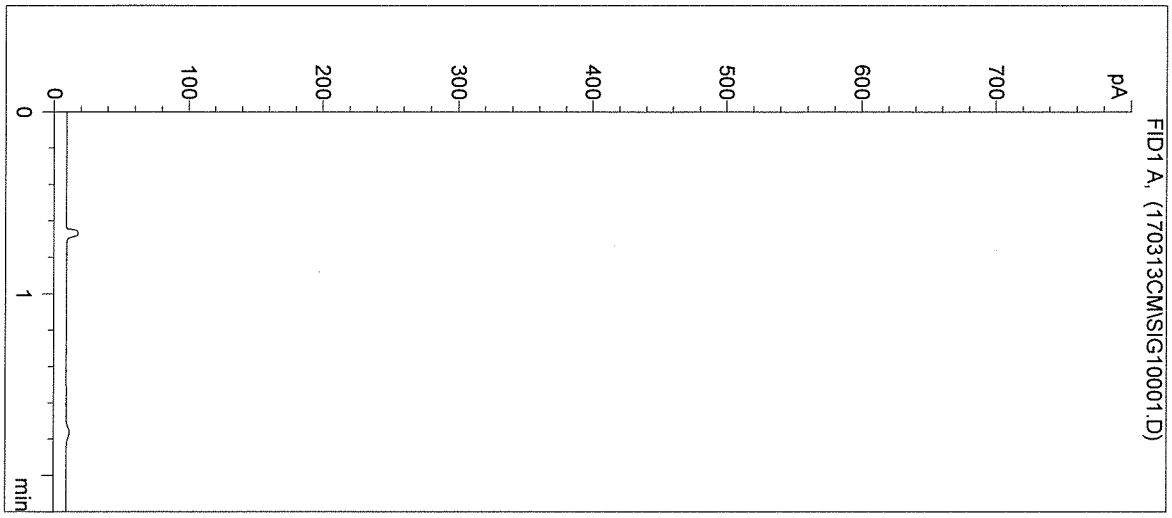
17026
BMO 3.14.17

BMO 3.14.17

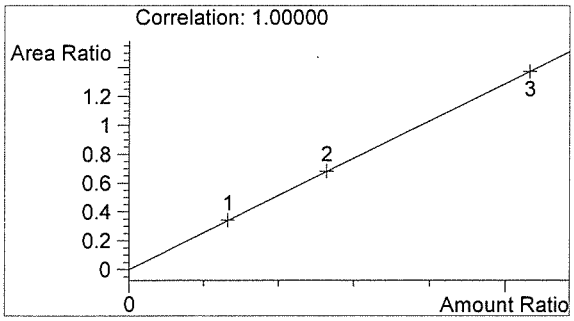
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:22:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: BLANK
Operator: Christie Mitchell-Mata
Location: Vial 1

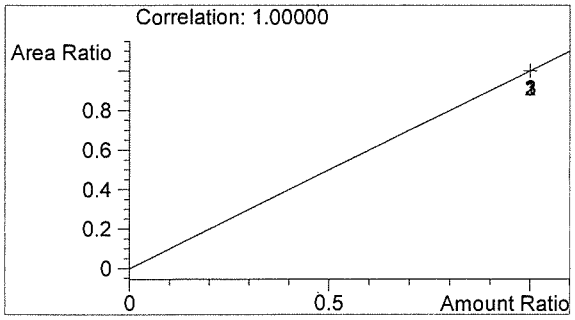


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

BLD

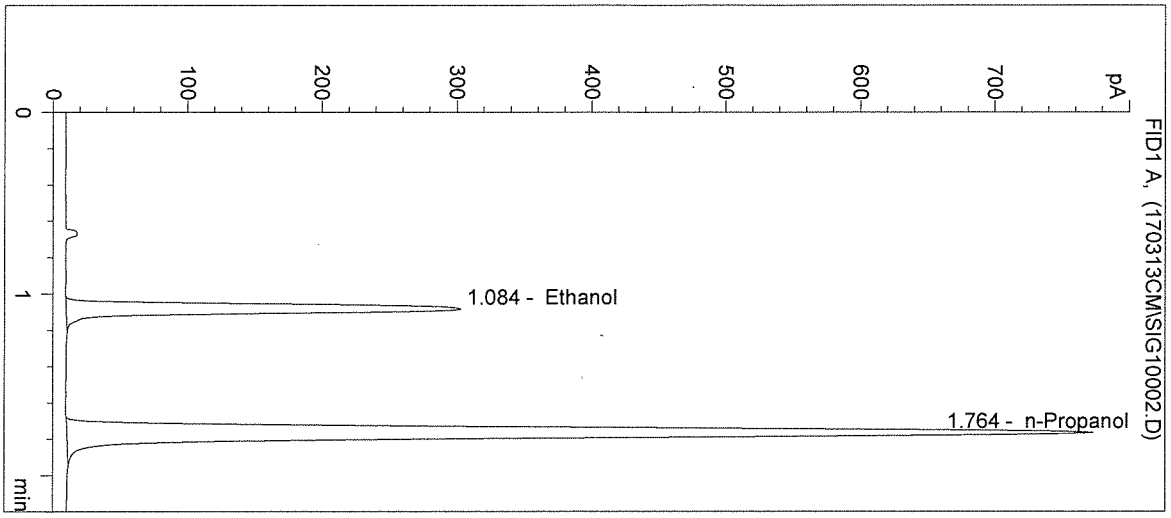


n-Propanol 0.000 g/100mL

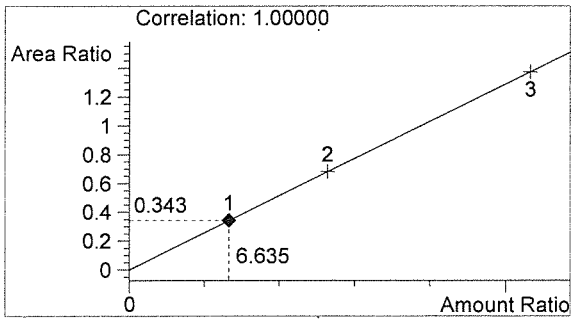
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:26:04 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.079 CAL 1
Operator: Christie Mitchell-Mata
Location: Vial 2

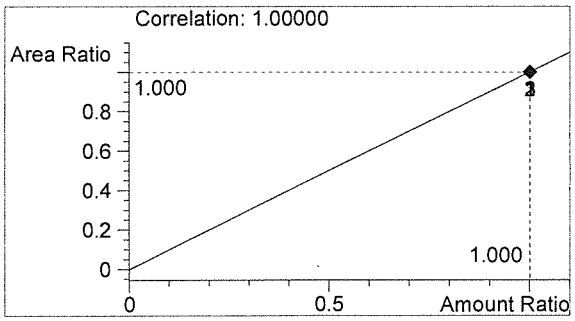


#	Compound	Peak Area	RT (min)
1	Ethanol	988	1.084
2	n-Propanol	2876	1.764



Ethanol 0.080 g/100mL

RWO



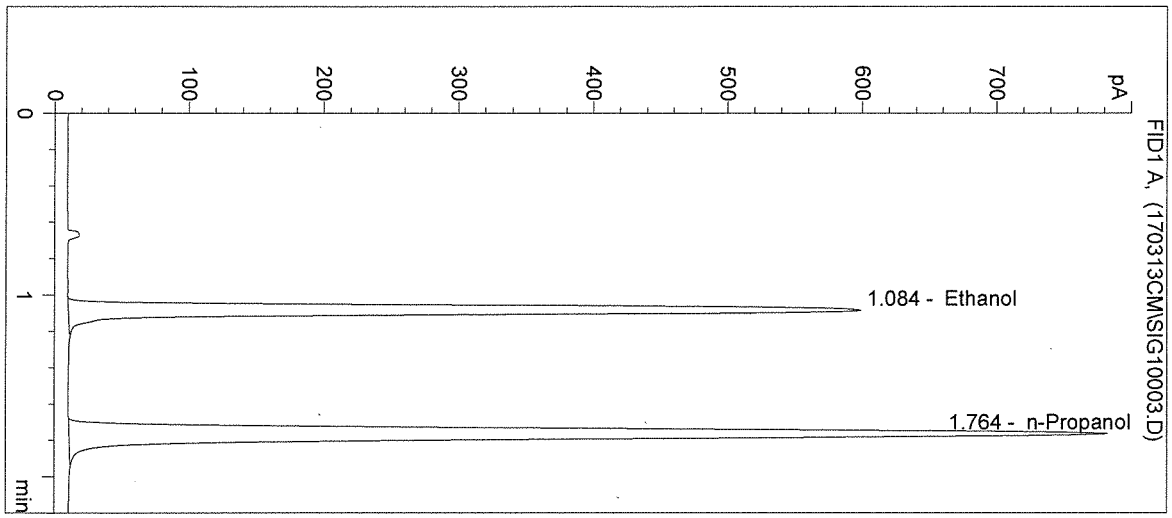
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10002.D

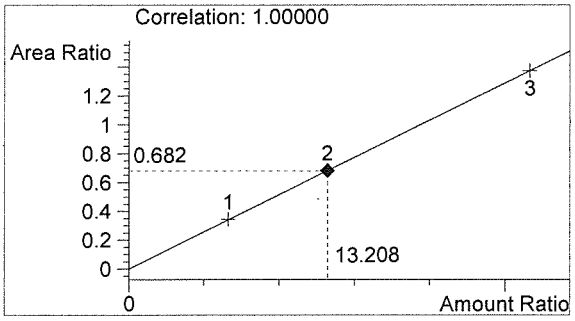
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:29:21 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

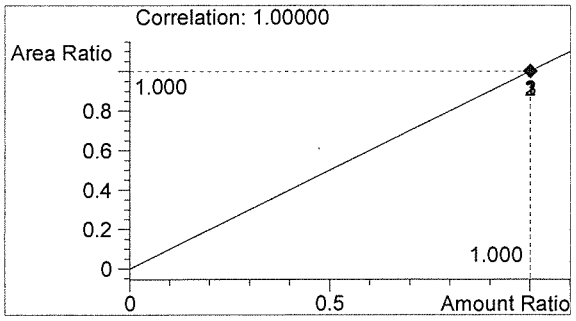
Sample Name: 0.158 CAL 2
Operator: Christie Mitchell-Mata
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1985	1.084
2	n-Propanol	2912	1.764



Ethanol 0.158 g/100mL

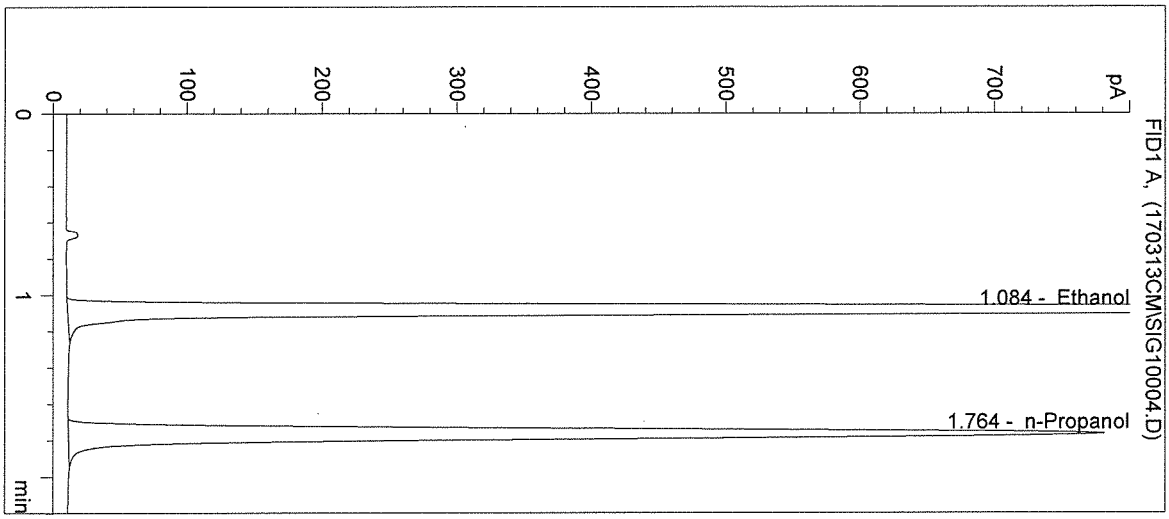


n-Propanol 0.012 g/100mL

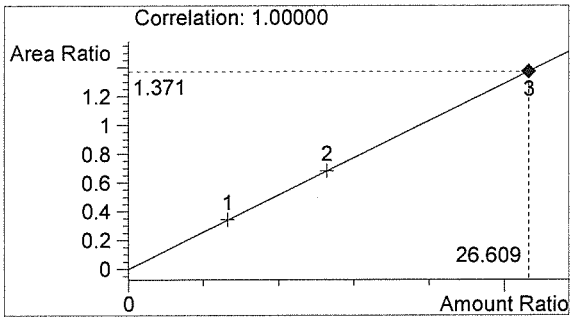
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:32:38 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.316 CAL 3
Operator: Christie Mitchell-Mata
Location: Vial 4

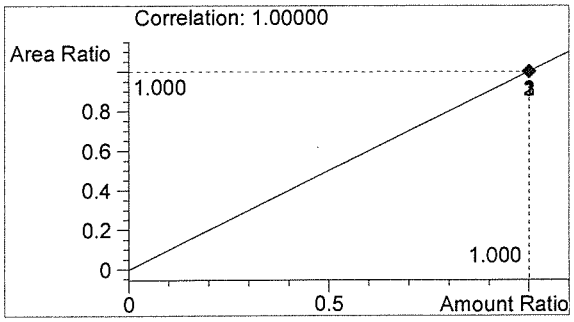


#	Compound	Peak Area	RT (min)
1	Ethanol	3981	1.084
2	n-Propanol	2903	1.764



Ethanol 0.319 g/100mL

BWO



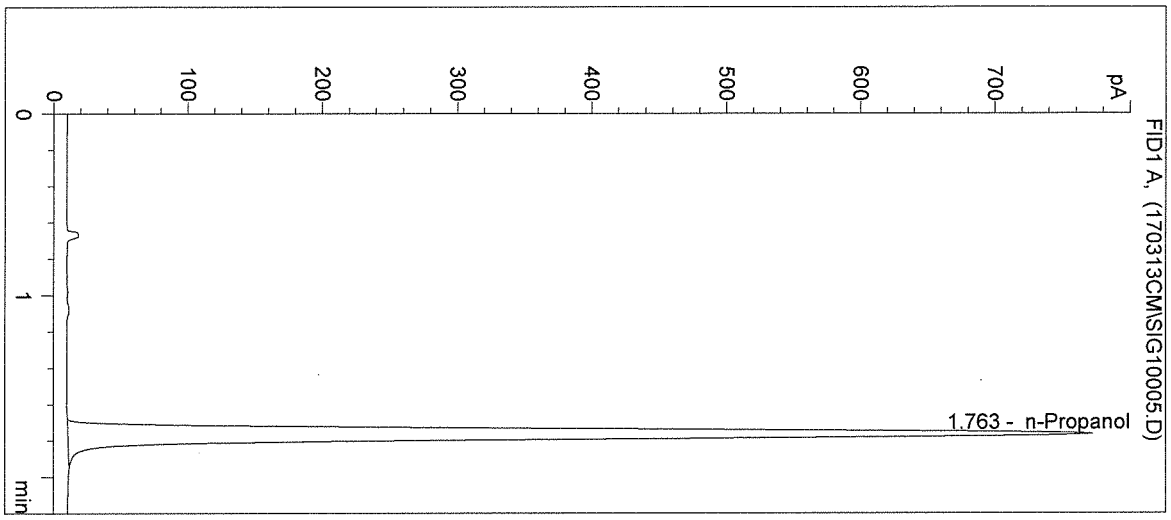
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10004.D

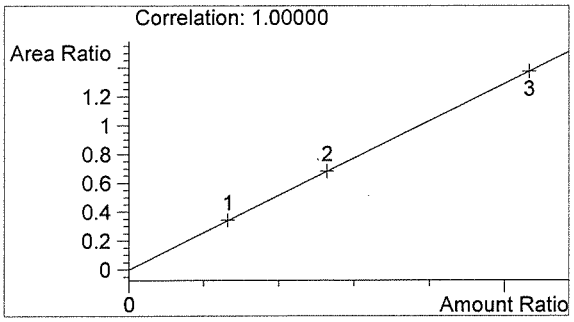
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:35:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 5

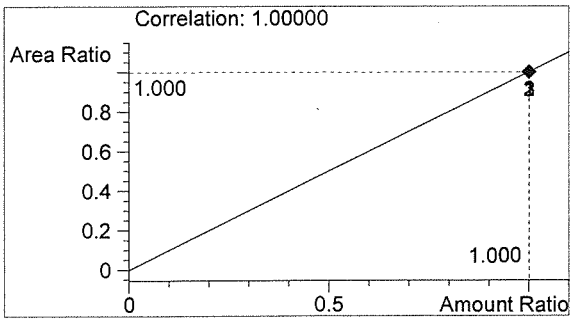


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2877	1.763



Ethanol 0.000 g/100mL

BWO



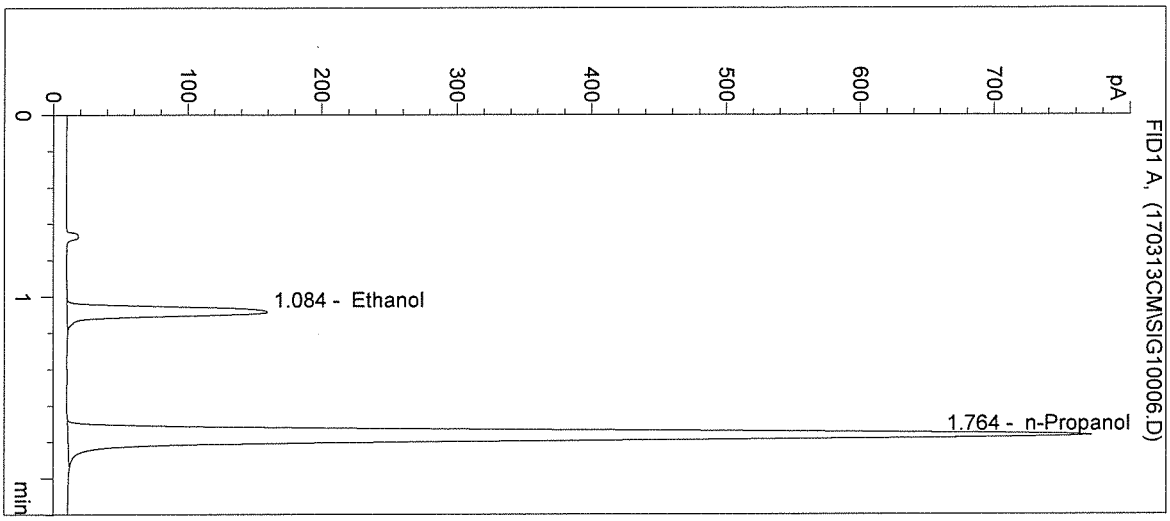
n-Propanol 0.012 g/100mL

AY

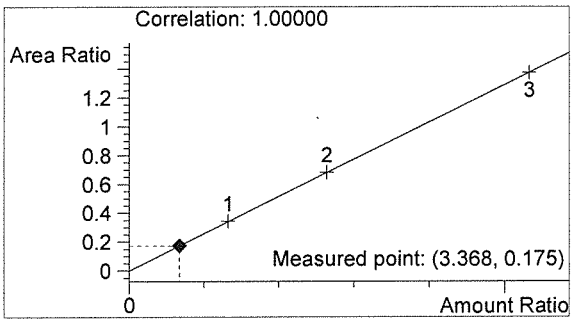
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:39:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.04 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 6

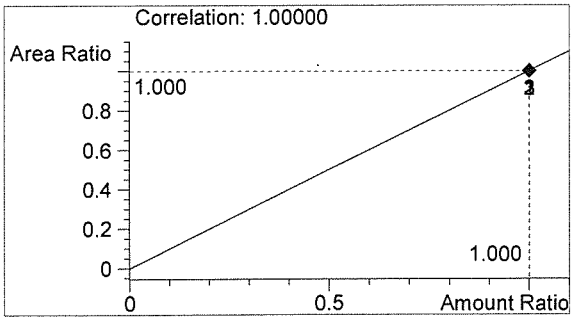


#	Compound	Peak Area	RT (min)
1	Ethanol	502	1.084
2	n-Propanol	2866	1.764



Ethanol 0.040 g/100mL

RWO



n-Propanol 0.012 g/100mL

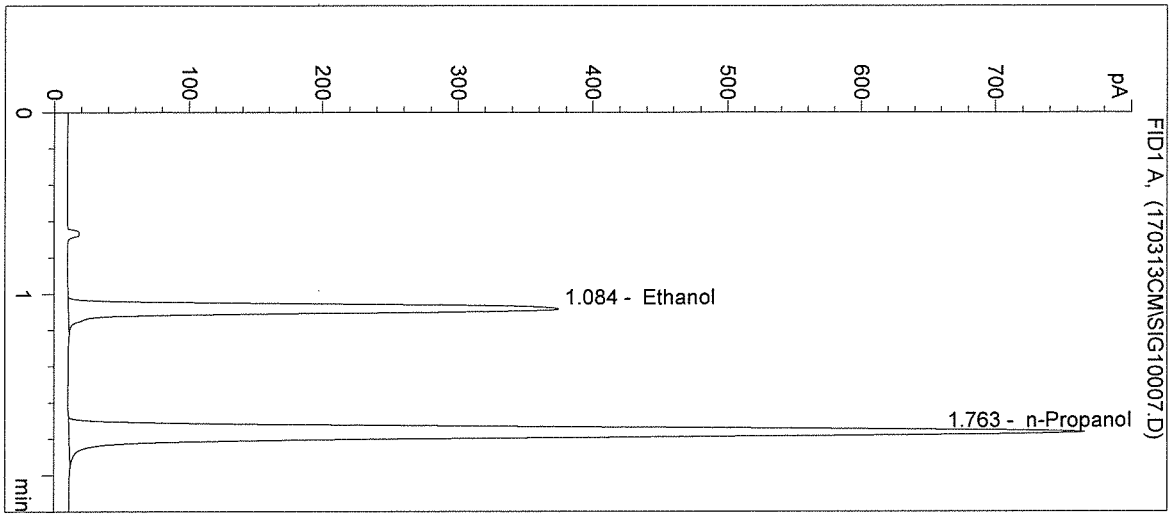
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10006.D

CM

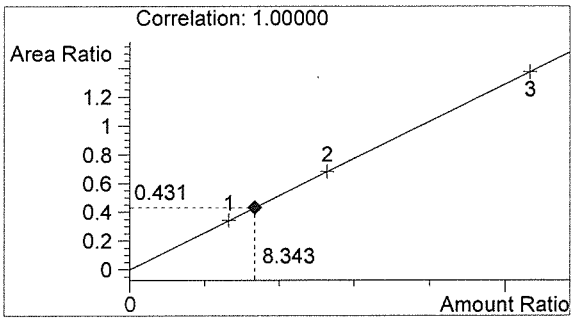
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:42:18 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 7

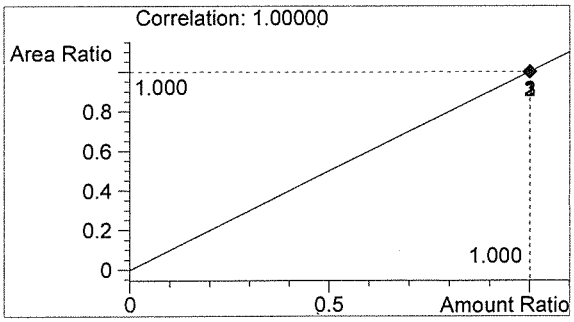


#	Compound	Peak Area	RT (min)
1	Ethanol	1227	1.084
2	n-Propanol	2844	1.763



Ethanol 0.100 g/100mL

BWO



n-Propanol 0.012 g/100mL

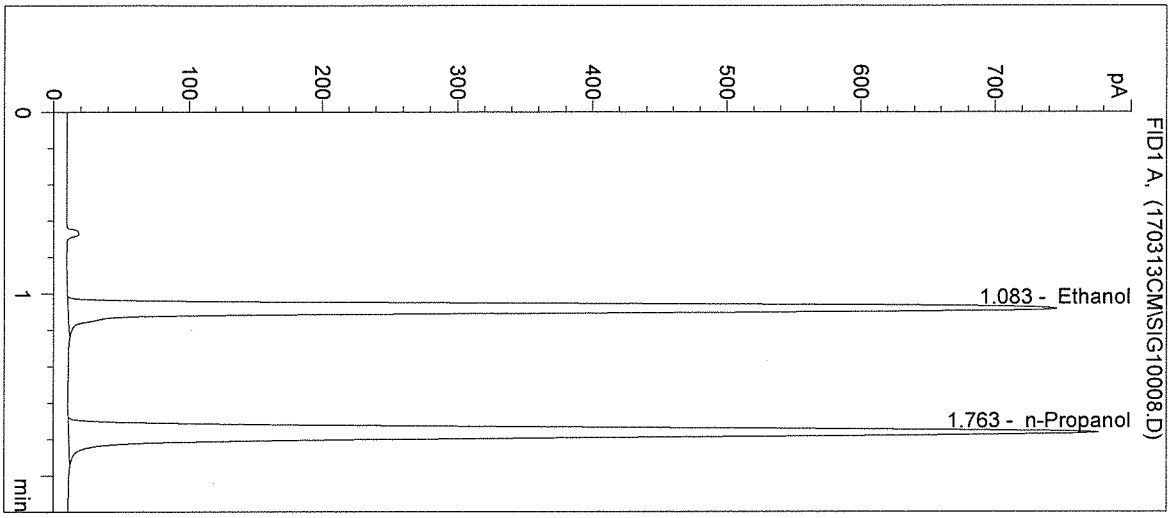
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10007.D

CM

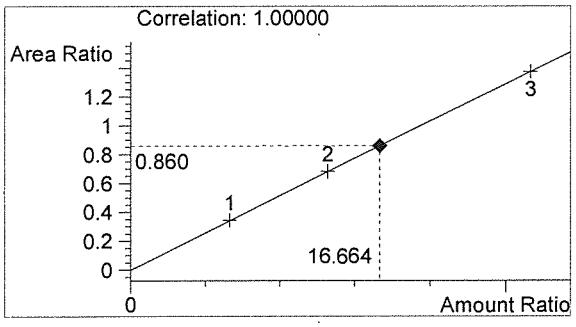
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:45:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

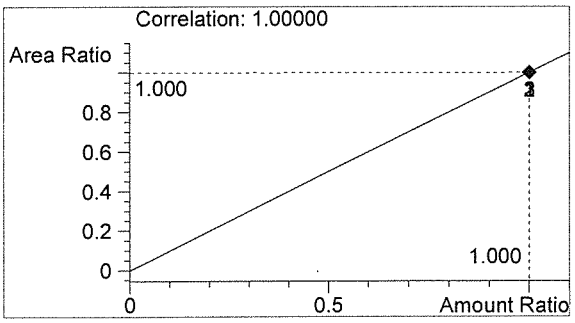
Sample Name: 0.20 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2471	1.083
2	n-Propanol	2874	1.763



Ethanol 0.200 g/100mL



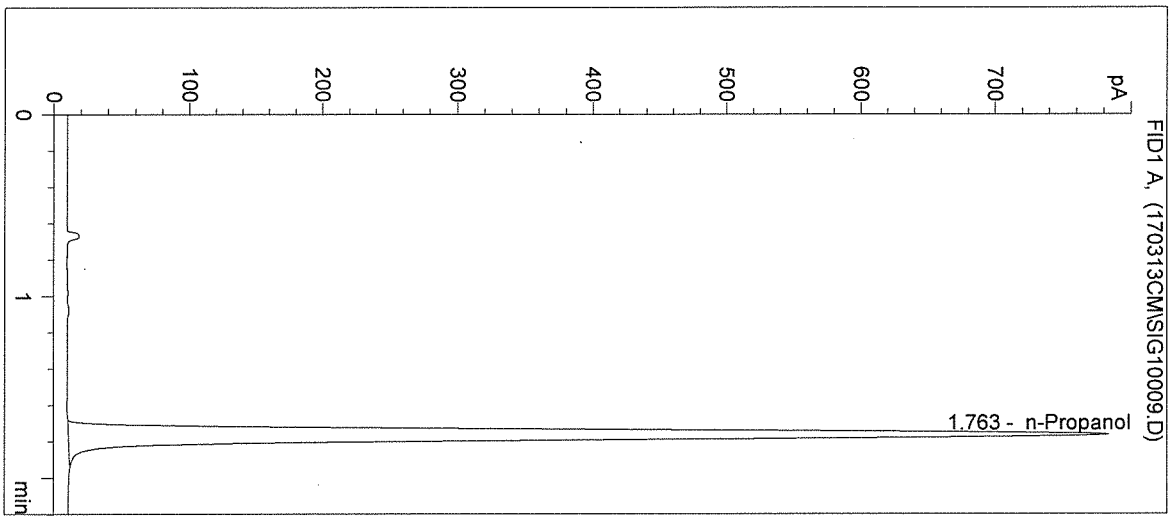
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10008.D

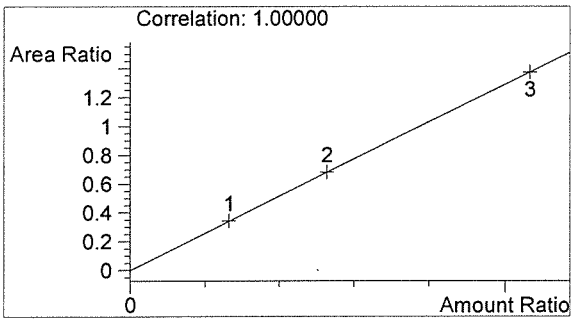
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:48:44 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

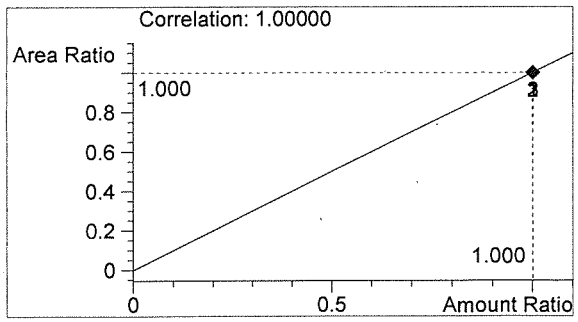
Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2905	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Washington State Patrol Toxicology Laboratory
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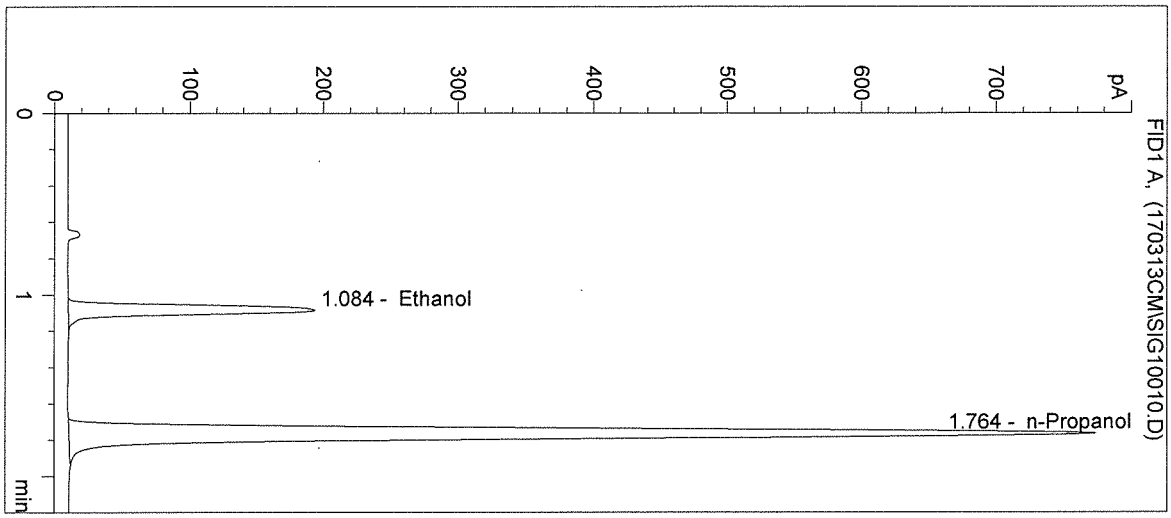
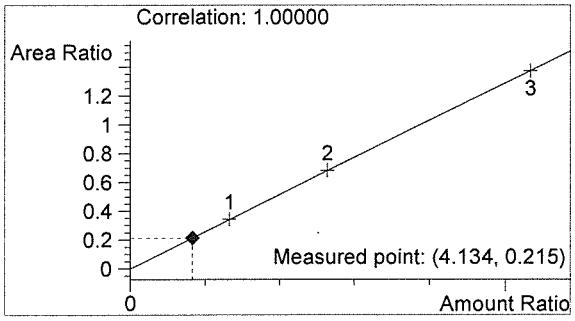
Inj. Date: 3/13/2017 11:51:57 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #1
Operator: Christie Mitchell-Mata
Location: Vial 10

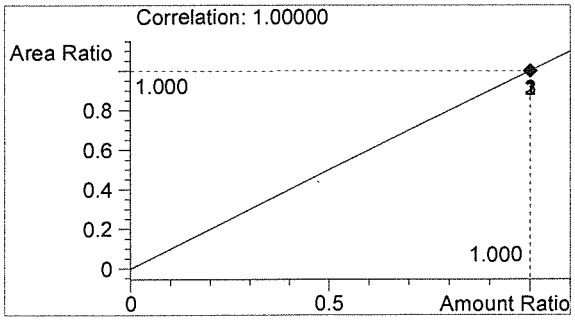


#	Compound	Peak Area	RT (min)
1	Ethanol	617	1.084
2	n-Propanol	2873	1.764



Ethanol 0.050 g/100mL

BMO



n-Propanol 0.012 g/100mL

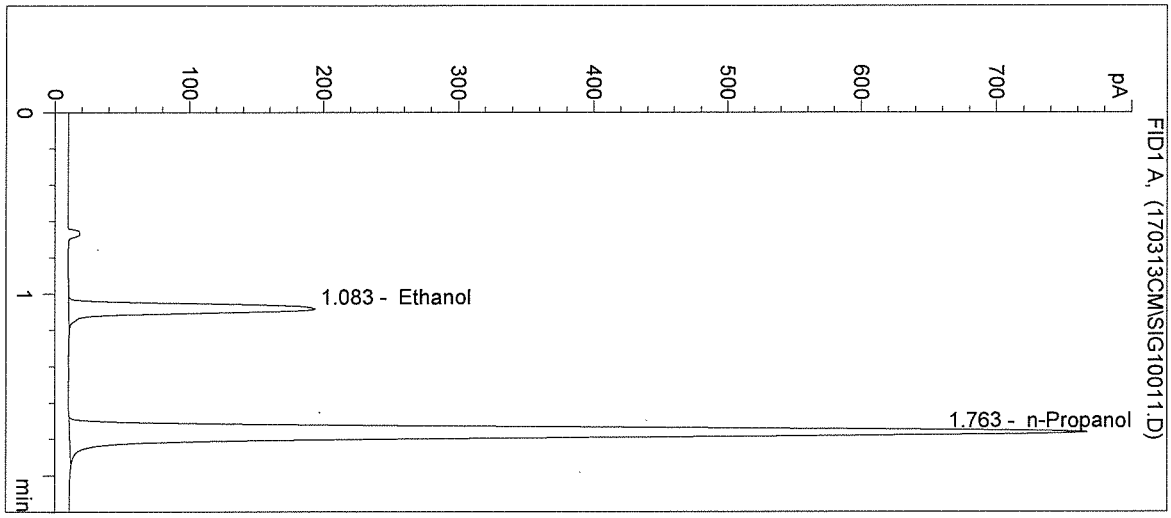
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10010.D

CM

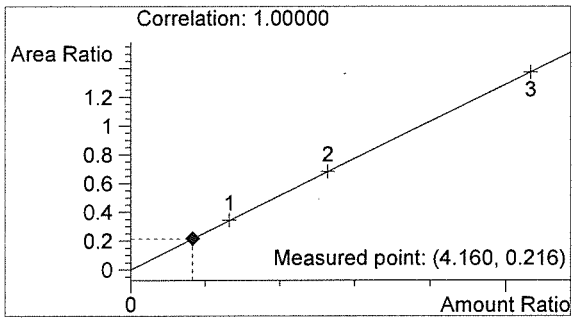
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:55:11 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #2
Operator: Christie Mitchell-Mata
Location: Vial 11

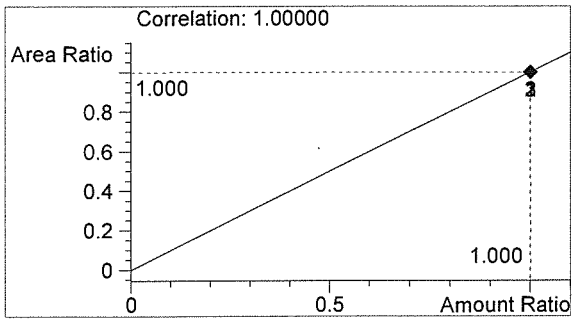


#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.083
2	n-Propanol	2846	1.763



Ethanol 0.050 g/100mL

BWD



n-Propanol 0.012 g/100mL

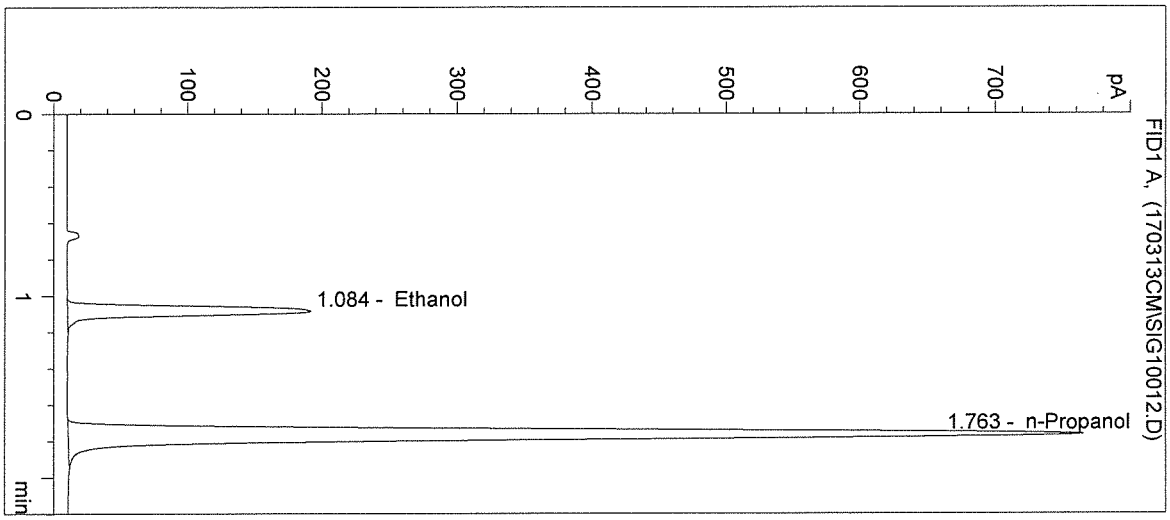
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10011.D

CM

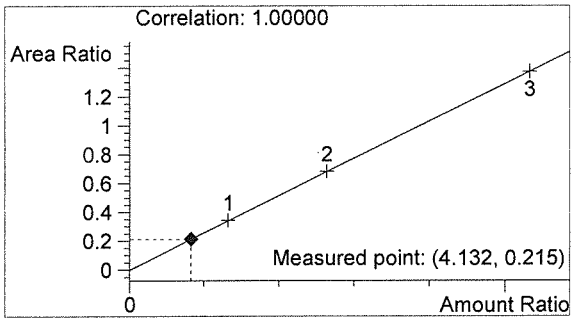
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 11:58:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #3
Operator: Christie Mitchell-Mata
Location: Vial 12

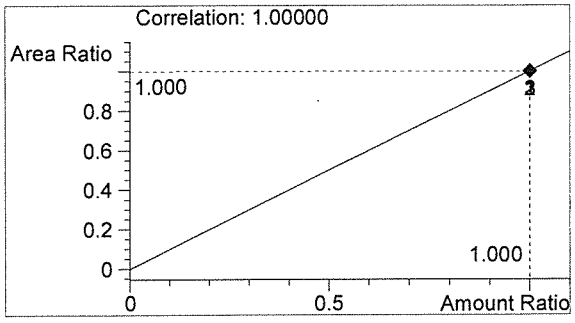


#	Compound	Peak Area	RT (min)
1	Ethanol	608	1.084
2	n-Propanol	2833	1.763



Ethanol 0.050 g/100mL

RWO



n-Propanol 0.012 g/100mL

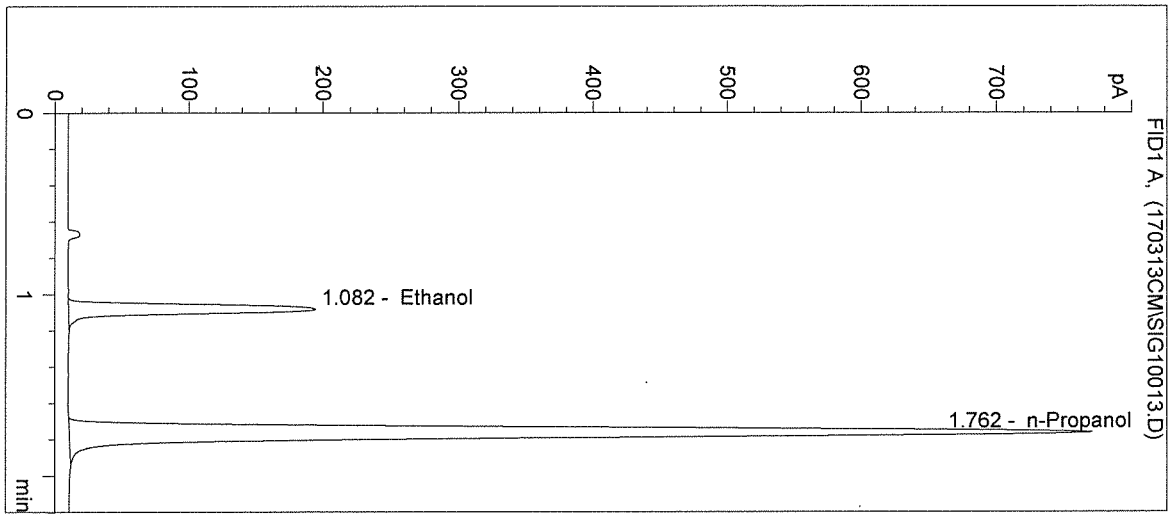
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10012.D

CM

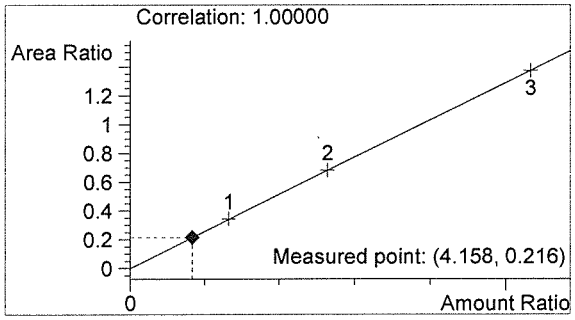
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:01:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #4
Operator: Christie Mitchell-Mata
Location: Vial 13

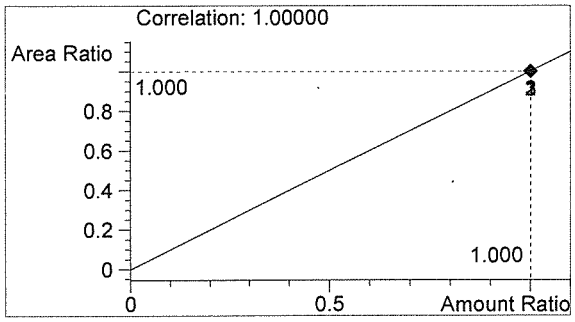


#	Compound	Peak Area	RT (min)
1	Ethanol	615	1.082
2	n-Propanol	2847	1.762



Ethanol 0.050 g/100mL

BW



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10013.D

Washington State Patrol Toxicology Laboratory
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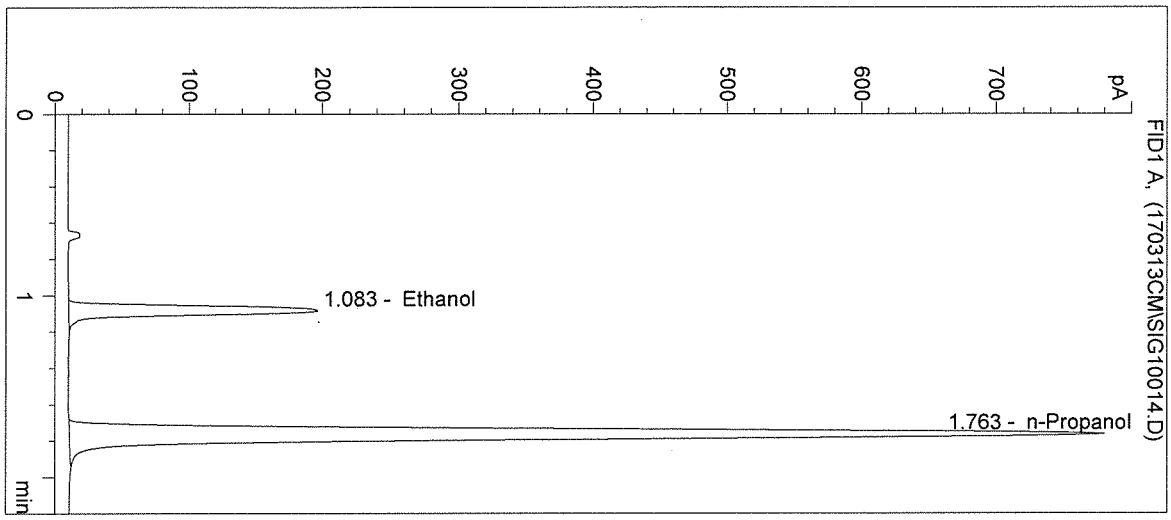
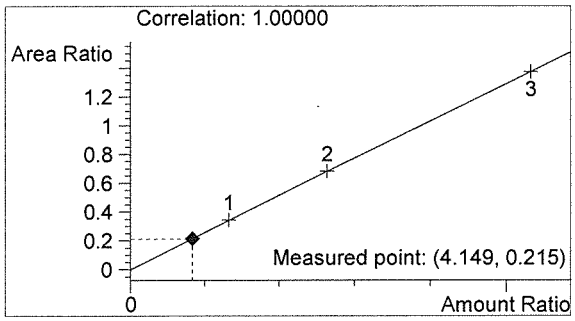
Inj. Date: 3/13/2017 12:04:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17026 #5
Operator: Christie Mitchell-Mata
Location: Vial 14

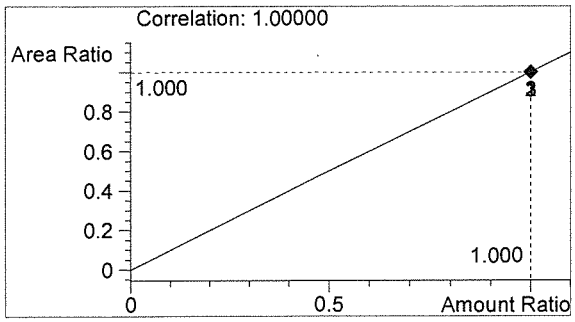


#	Compound	Peak Area	RT (min)
1	Ethanol	622	1.083
2	n-Propanol	2889	1.763



Ethanol 0.050 g/100mL

BLW



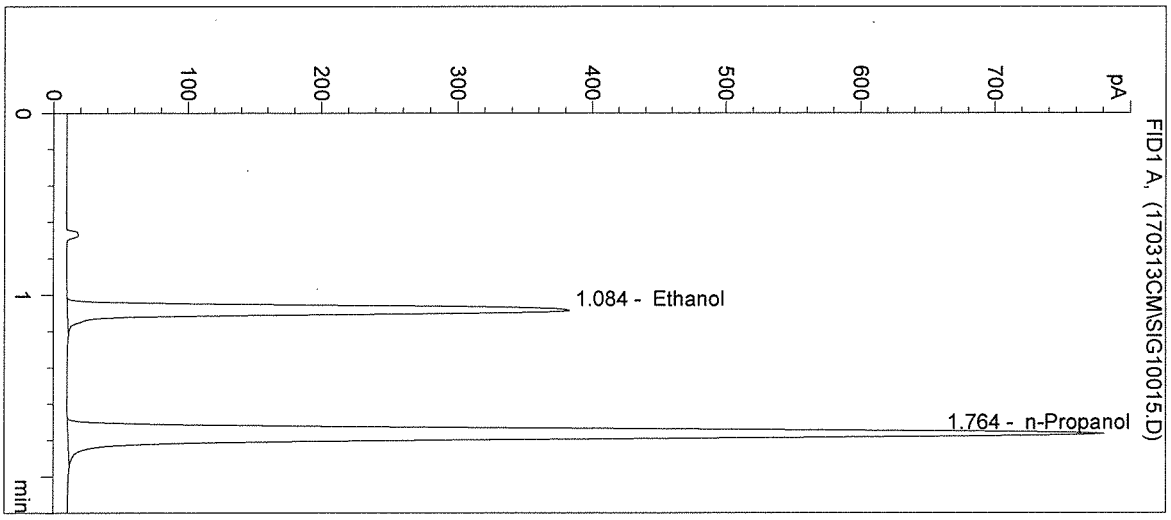
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10014.D

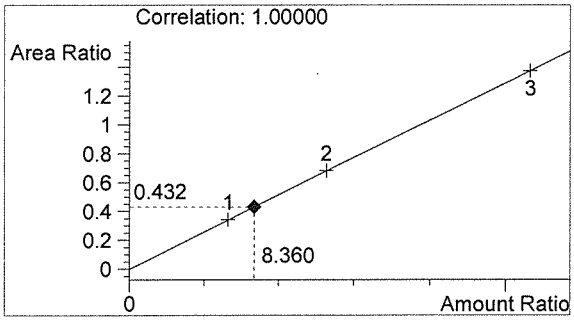
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:08:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 15

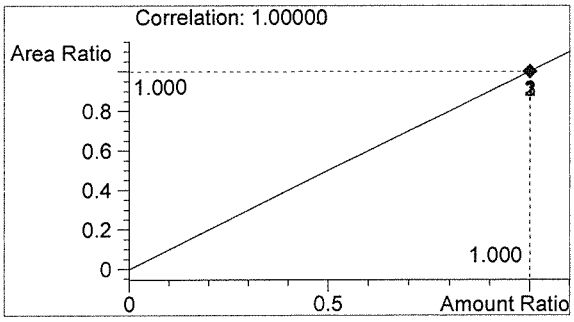


#	Compound	Peak Area	RT (min)
1	Ethanol	1251	1.084
2	n-Propanol	2895	1.764



Ethanol 0.100 g/100mL

RW



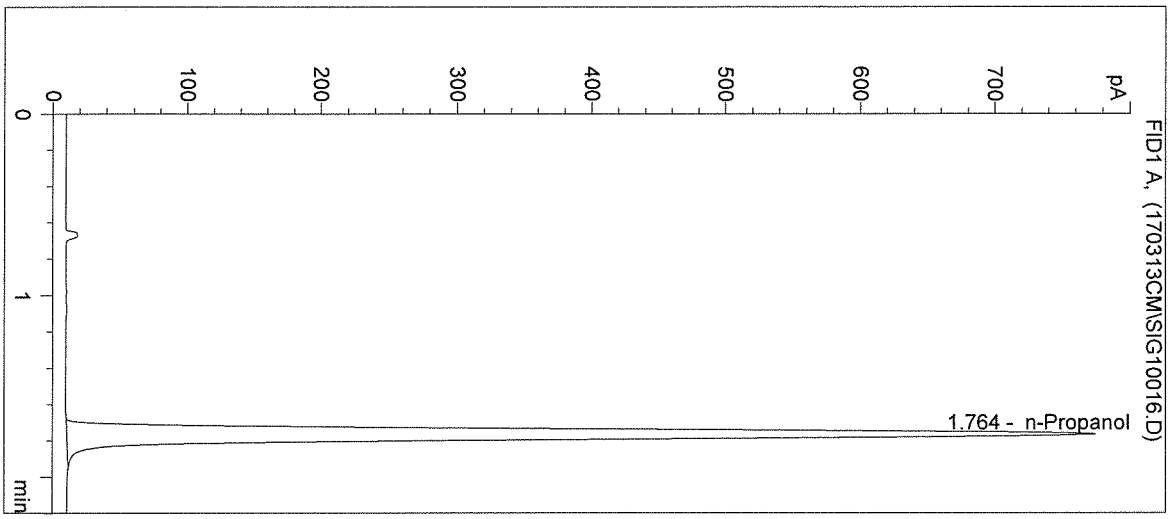
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10015.D

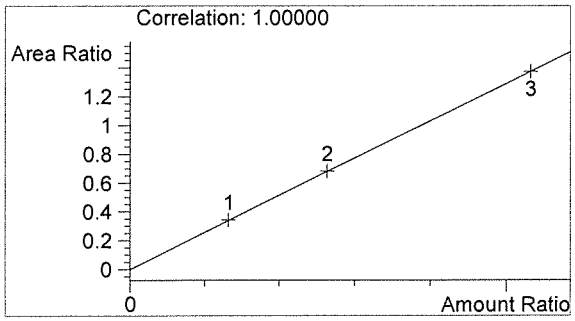
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:11:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17026

Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 16

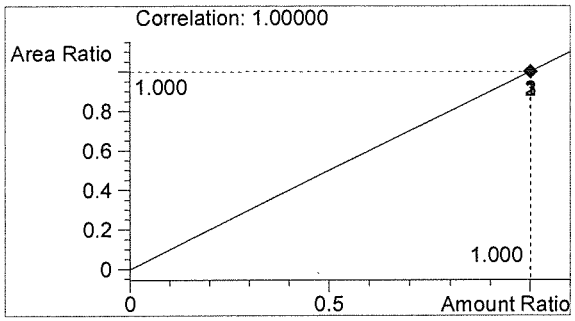


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2882	1.764



Ethanol 0.000 g/100mL

BLW



n-Propanol 0.012 g/100mL
