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: 17028

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: 0.10 g/210L
DATE PREPARED: 03/10/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Lyndsey Knoy

	LK	AG	CM
1	0.126	0.125	0.124
2	0.126	0.126	0.125
3	0.126	0.125	0.125
4	0.125	0.126	0.126
5	0.125	0.126	0.125
C	0.102	0.102	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1254 g/100mL
STANDARD DEVIATION: 0.00063
PRECISION CV (%): 0.50
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1020 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (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

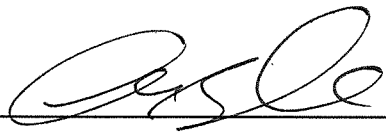
SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17028

	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 #: 17028 **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	0.126	0.125	0.124
2	0.126	0.126	0.125
3	0.126	0.125	0.125
4	0.125	0.126	0.126
5	0.125	0.126	0.125
C	0.102	0.102	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000016958	0.0000107498	0.0001016326

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

Average Solution Concentration: 0.1254 g/100mL
Standard Deviation: 0.00063 g/100mL
Precision CV (%): 0.50
Equivalent Vapor Concentration: 0.1020 g/210L
Combined Standard Uncertainty (±): 0.0011 g/210L
Expanded Uncertainty (±): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly (Name) Brianne E O'Reilly (Signature) 3.14.17 (Date)

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

Tech. review performed by: Brianne E. O'Reilly (Name) Brianne E O'Reilly (Signature) 3-14-17 (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	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 # 17028

BWO 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

0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17028

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 17028, 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

Lyndsey Knoy 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
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0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17028

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 17028, 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
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

0.10 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17028

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 17028, 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

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

RWO 3.14.17 ~~17028~~

 17028 RWO 3.14.17

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		

17028
BLW 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	

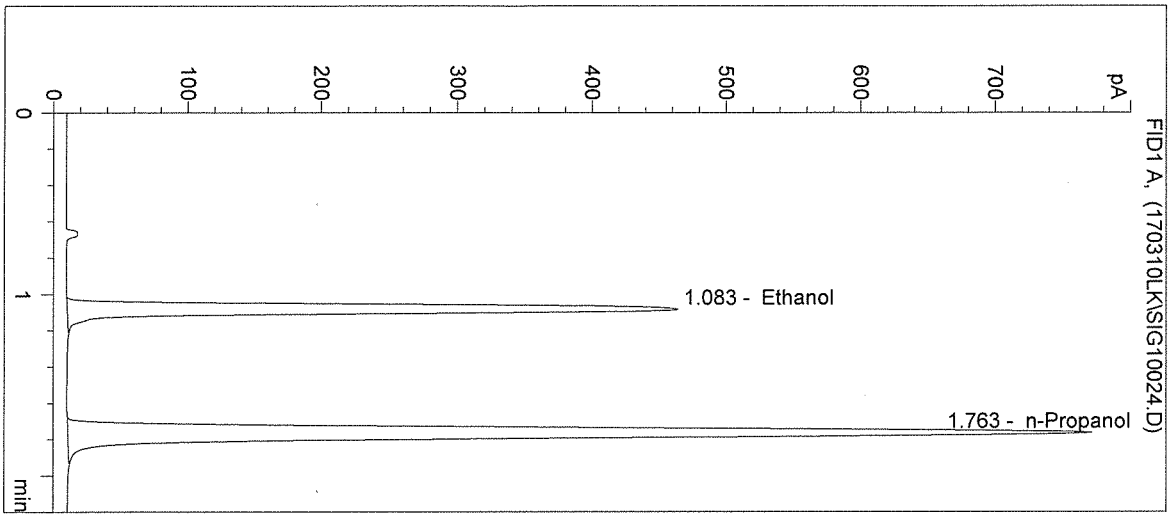
Sequence Table (Back Injector):

No entries - empty table!

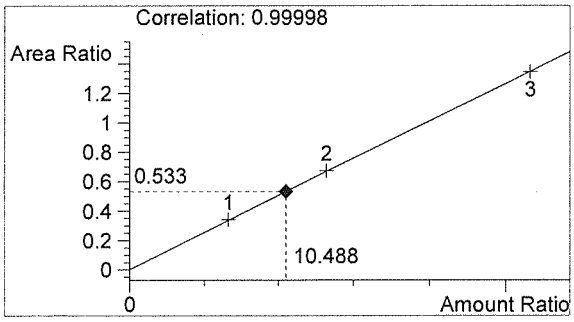
17028
BW 3-14-17

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

Inj. Date: 3/10/2017 12:23:01 PM Sample Name: 17028 #1
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 24
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

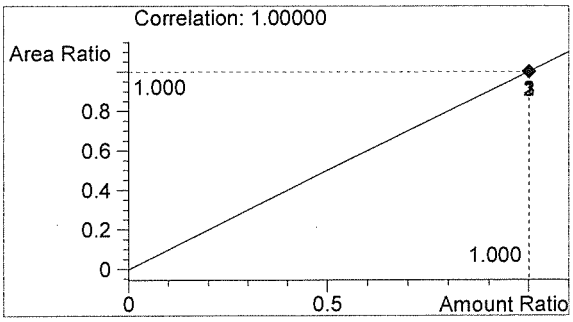


#	Compound	Peak Area	RT (min)
1	Ethanol	1523	1.083
2	n-Propanol	2855	1.763



Ethanol 0.126 g/100mL

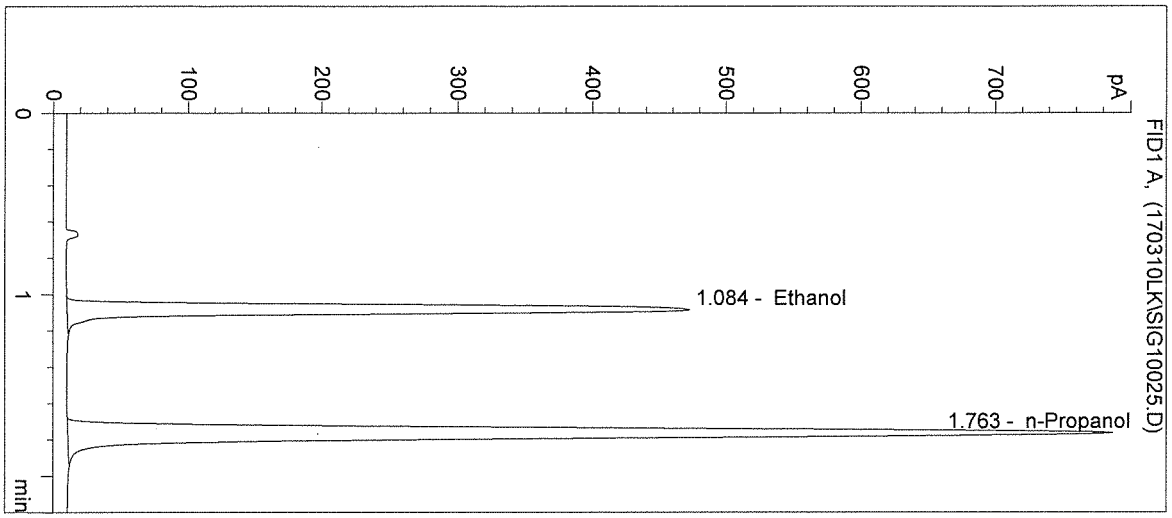
BWO



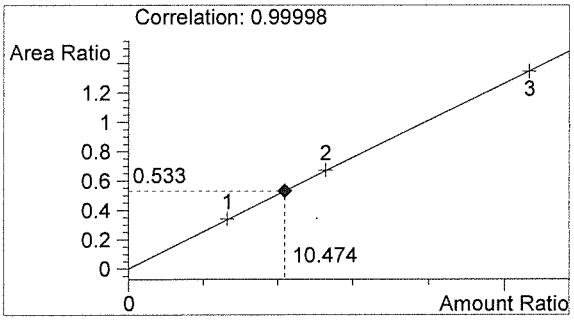
n-Propanol 0.012 g/100mL

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

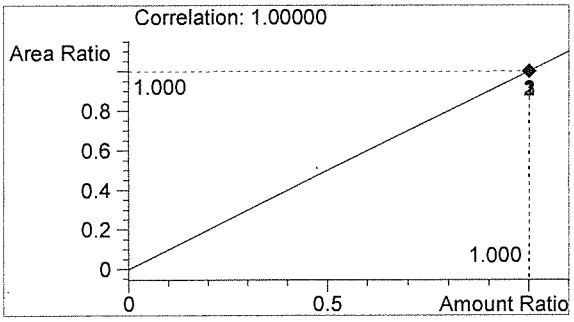
Inj. Date: 3/10/2017 12:26:14 PM Sample Name: 17028 #2
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 25
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1554	1.084
2	n-Propanol	2917	1.763



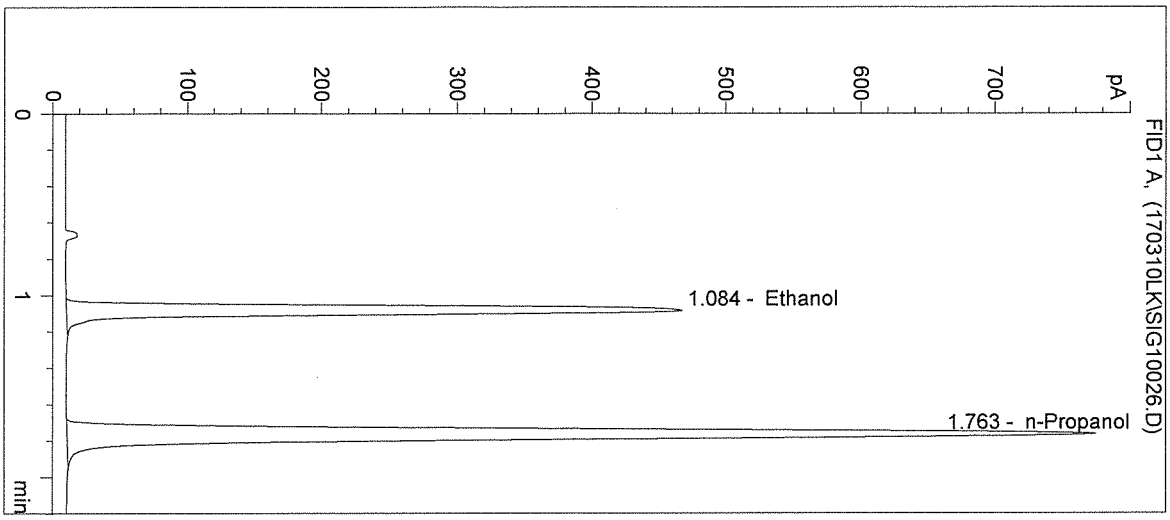
Ethanol 0.126 g/100mL



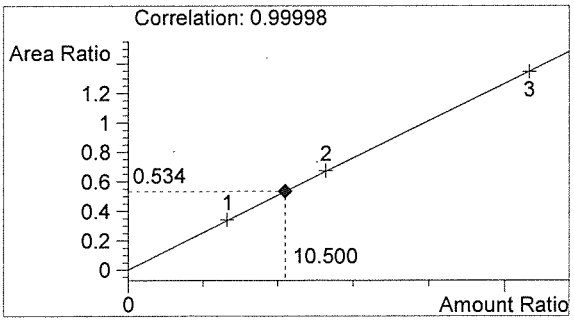
n-Propanol 0.012 g/100mL

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

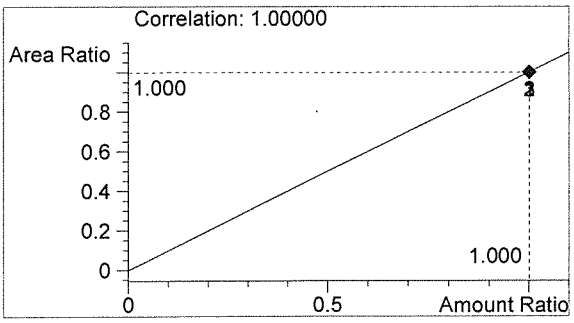
Inj. Date: 3/10/2017 12:29:27 PM Sample Name: 17028 #3
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 26
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1533	1.084
2	n-Propanol	2870	1.763



Ethanol 0.126 g/100mL

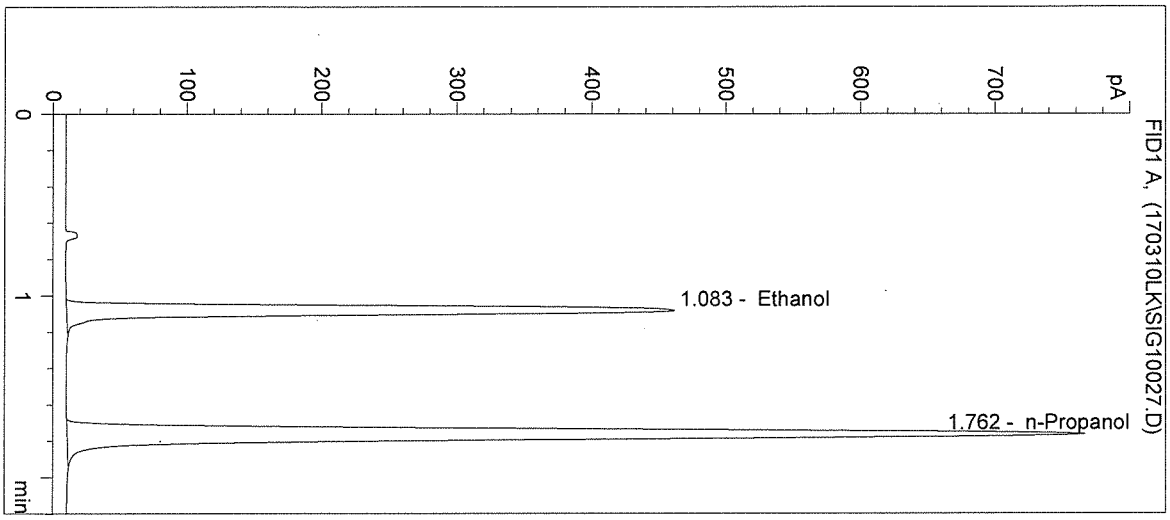


n-Propanol 0.012 g/100mL

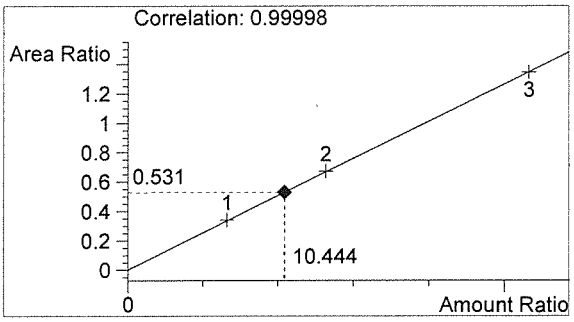
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 12:32:41 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #4
Operator: Lyndsey Knoy
Location: Vial 27

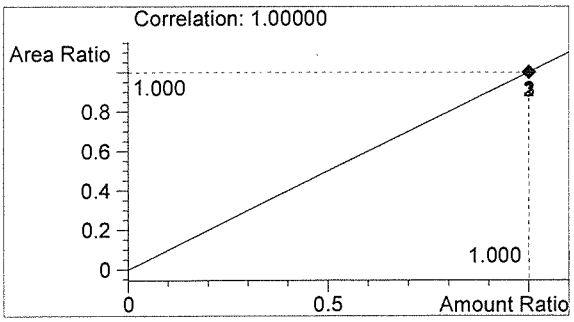


#	Compound	Peak Area	RT (min)
1	Ethanol	1511	1.083
2	n-Propanol	2844	1.762



Ethanol 0.125 g/100mL

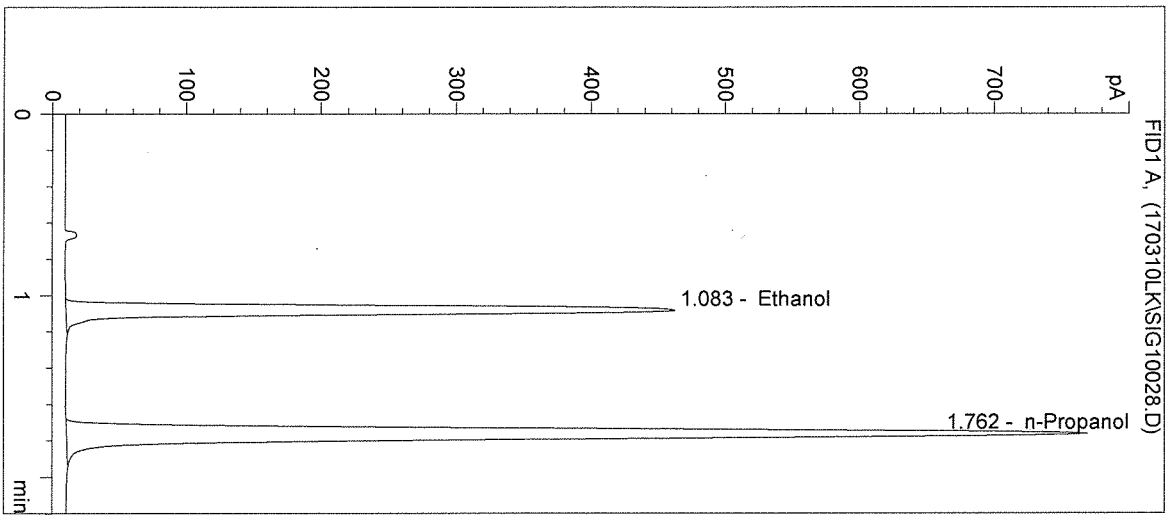
RW



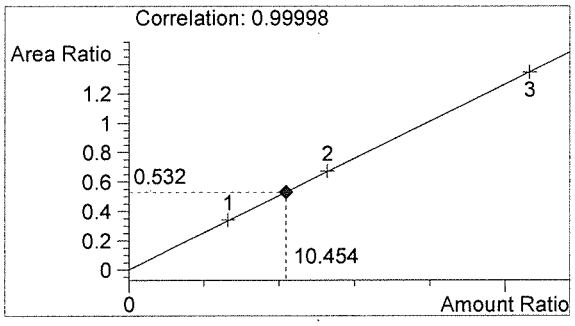
n-Propanol 0.012 g/100mL

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

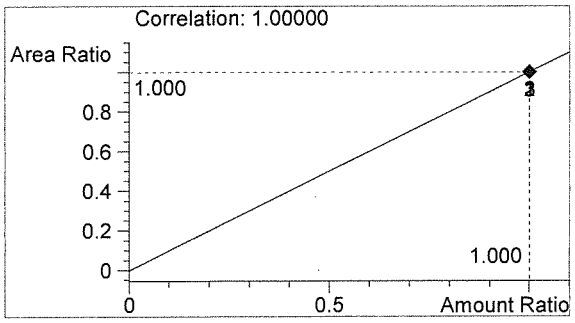
Inj. Date: 3/10/2017 12:35:54 PM Sample Name: 17028 #5
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 28
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1512	1.083
2	n-Propanol	2843	1.762



Ethanol 0.125 g/100mL



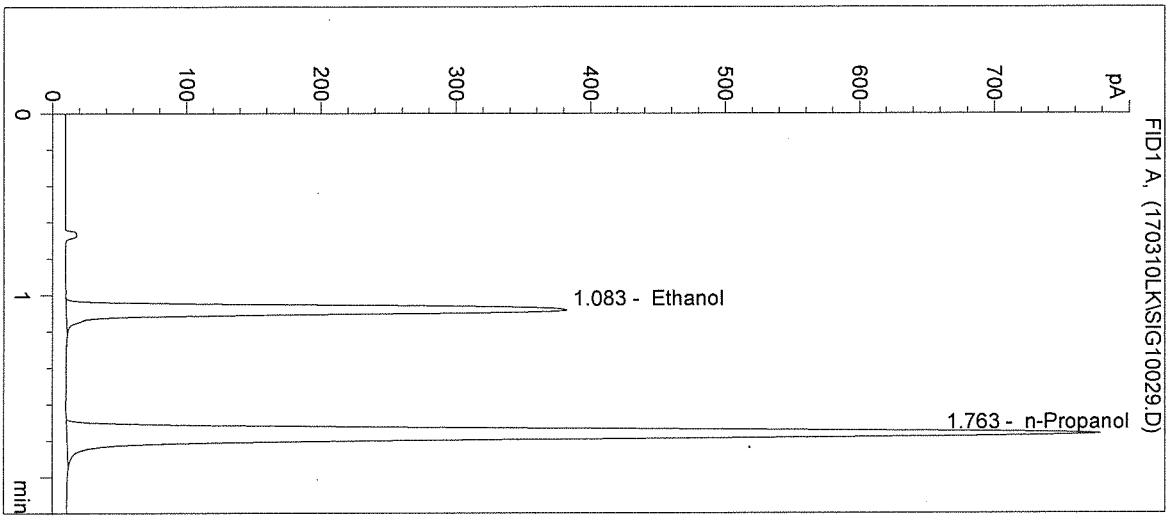
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310LK\SIG10028.D Page 1 of 1

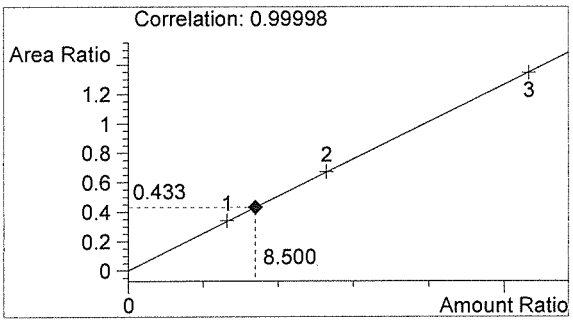
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 12:39:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 29

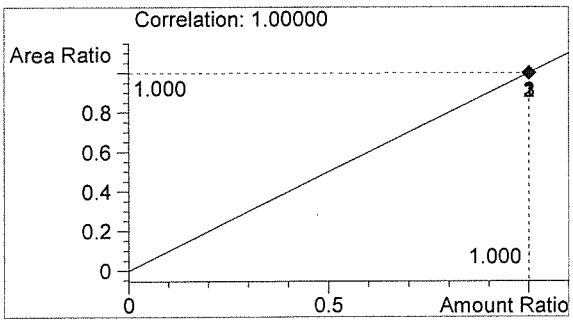


#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.083
2	n-Propanol	2884	1.763



Ethanol 0.102 g/100mL

BW

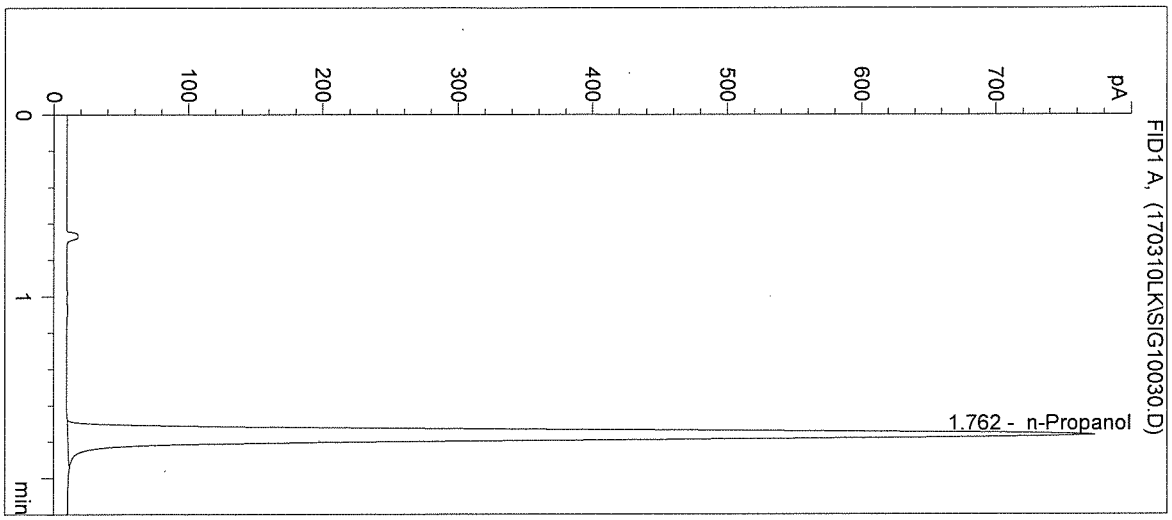


n-Propanol 0.012 g/100mL

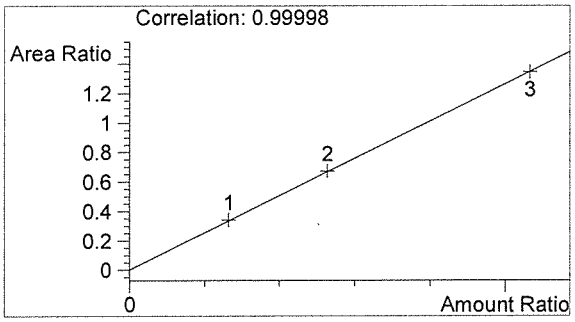
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 12:42:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

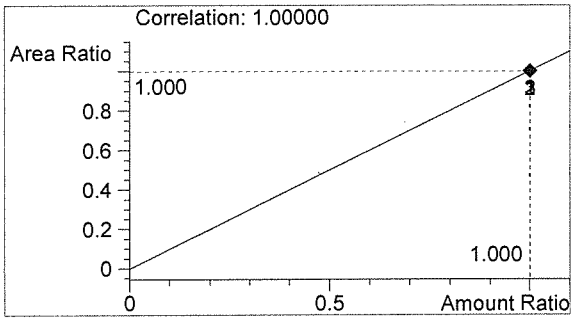
Sample Name: Negative CTRL
Operator: Lyndsey Knoy
Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2864	1.762



Ethanol 0.000 g/100mL



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
Signal 1 Counter:	0001
Signal 2 Prefix:	SIG2
Signal 2 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

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		

17028
BWO 3-14-17

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):

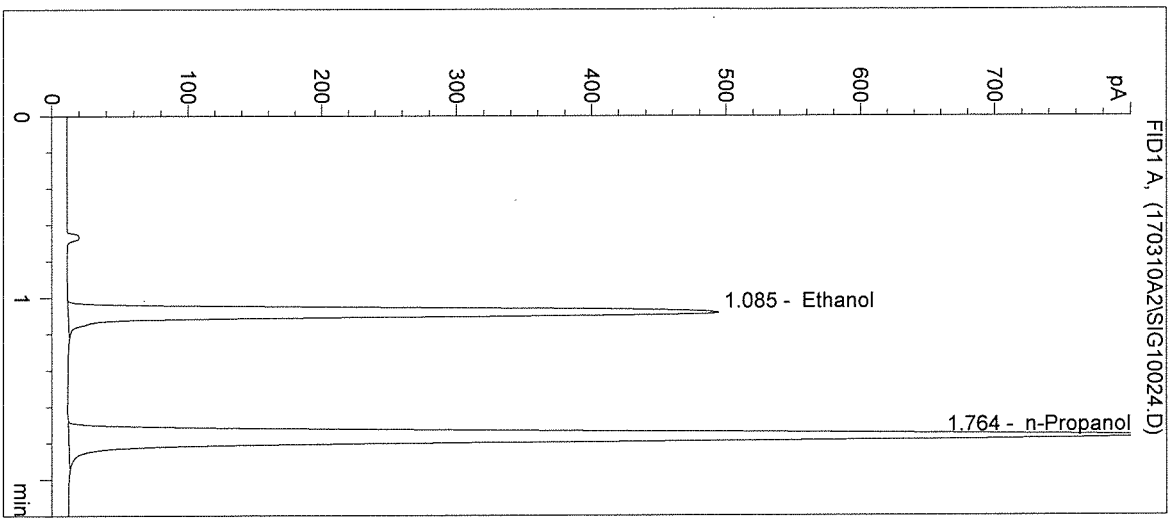
No entries - empty table!

17028
PKW 3.14.17

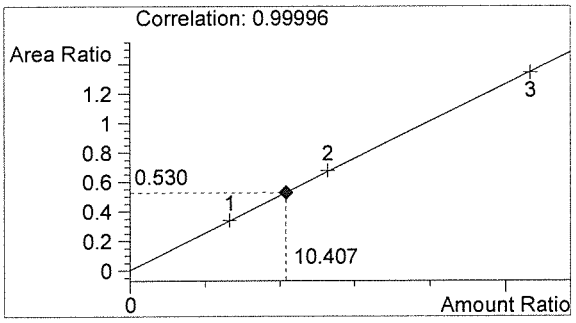
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

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

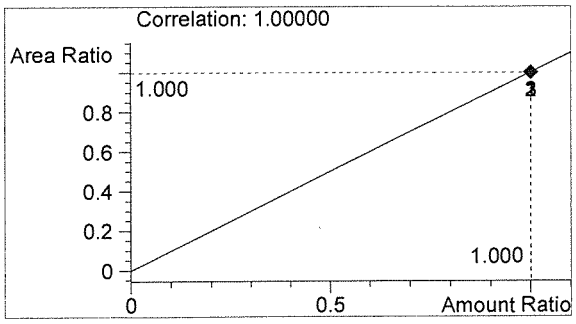
Sample Name: 17028 #1
Operator: Andrew Gingras
Location: Vial 24



#	Compound	Peak Area	RT (min)
1	Ethanol	1622	1.085
2	n-Propanol	3061	1.764



Ethanol 0.125 g/100mL



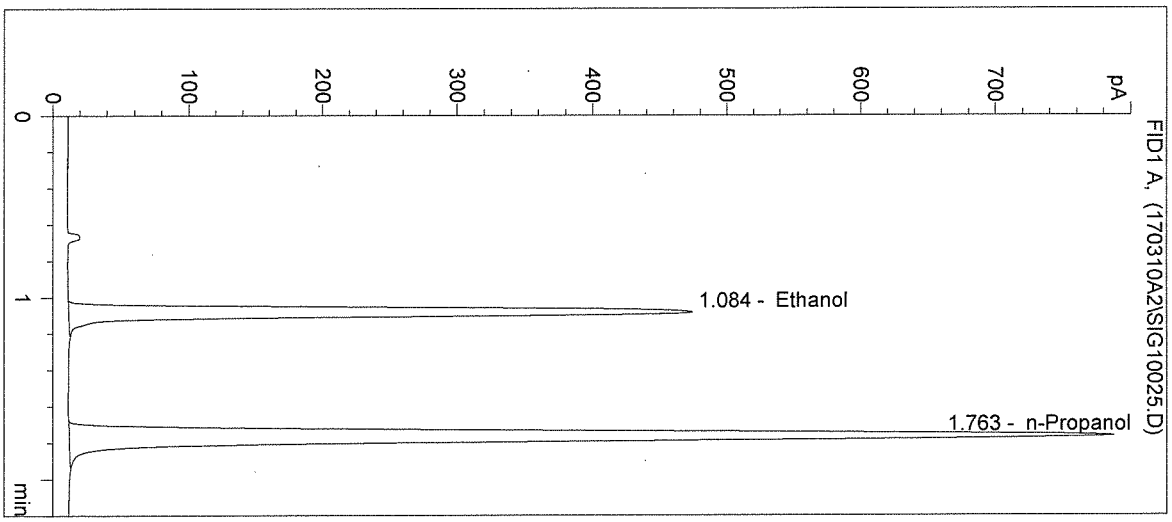
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10024.D

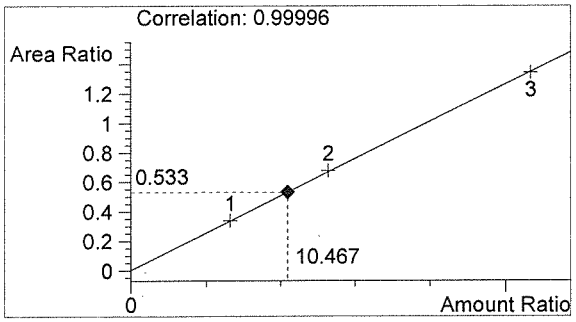
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:13:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #2
Operator: Andrew Gingras
Location: Vial 25

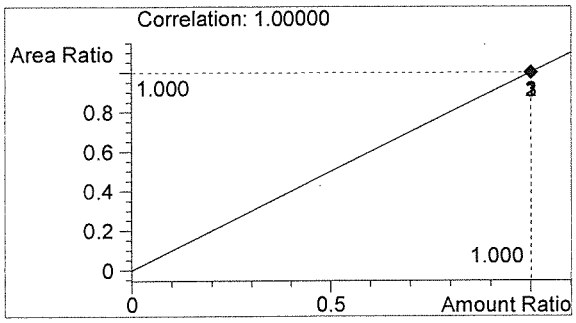


#	Compound	Peak Area	RT (min)
1	Ethanol	1556	1.084
2	n-Propanol	2920	1.763



Ethanol 0.126 g/100mL

BW



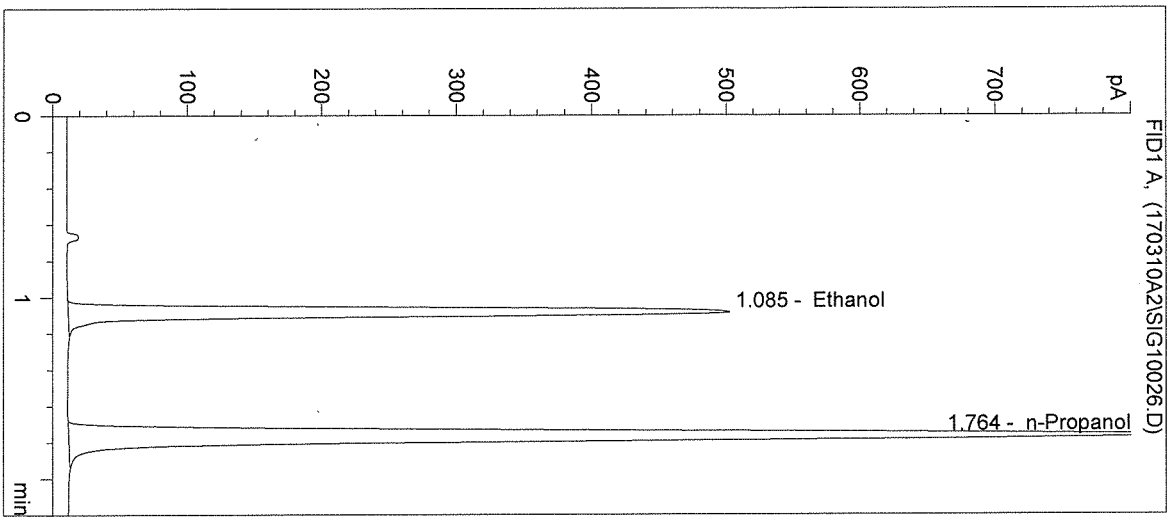
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10025.D

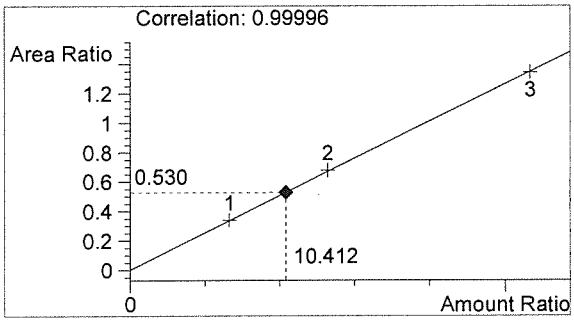
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:16:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

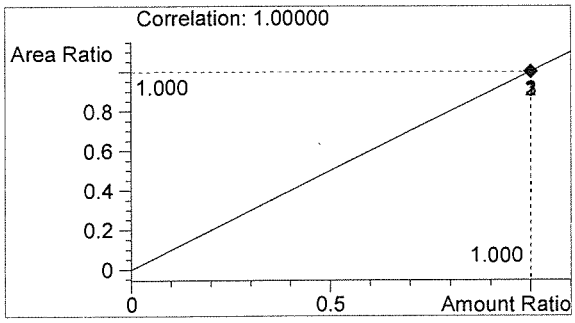
Sample Name: 17028 #3
Operator: Andrew Gingras
Location: Vial 26



#	Compound	Peak Area	RT (min)
1	Ethanol	1653	1.085
2	n-Propanol	3118	1.764



Ethanol 0.125 g/100mL



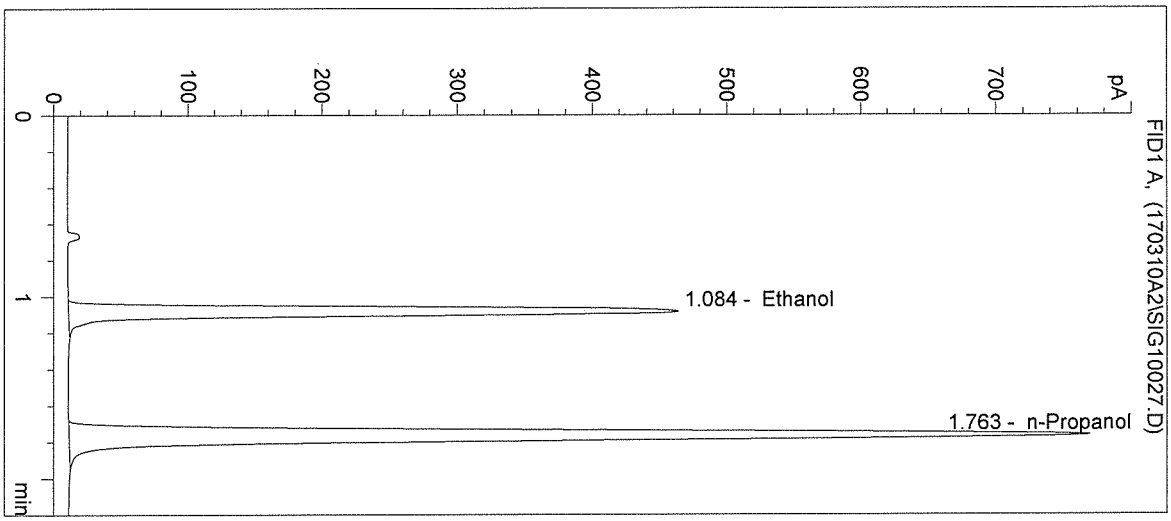
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10026.D

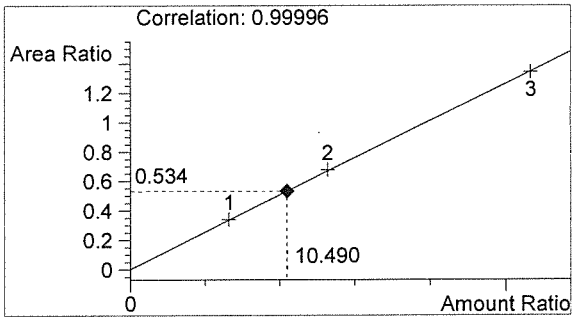
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:19:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #4
Operator: Andrew Gingras
Location: Vial 27

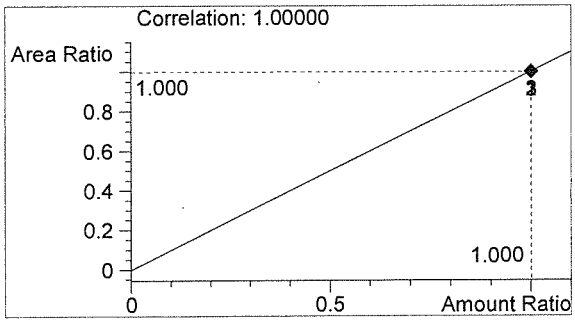


#	Compound	Peak Area	RT (min)
1	Ethanol	1520	1.084
2	n-Propanol	2847	1.763



Ethanol 0.126 g/100mL

RWO



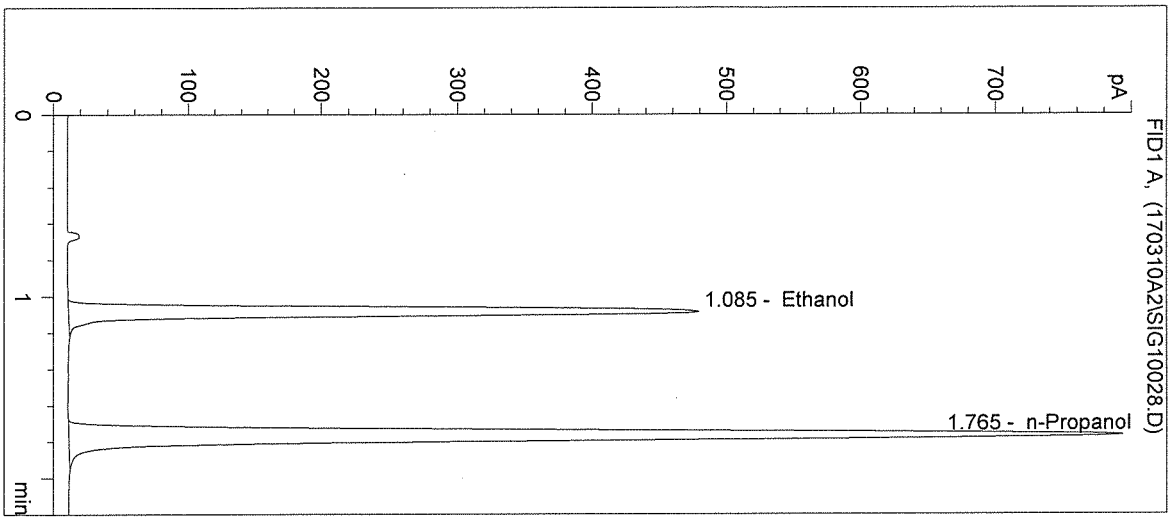
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10027.D

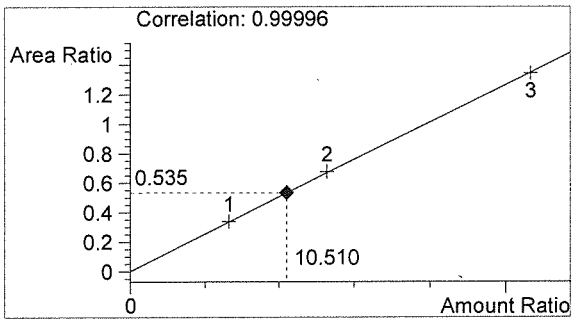
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:23:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

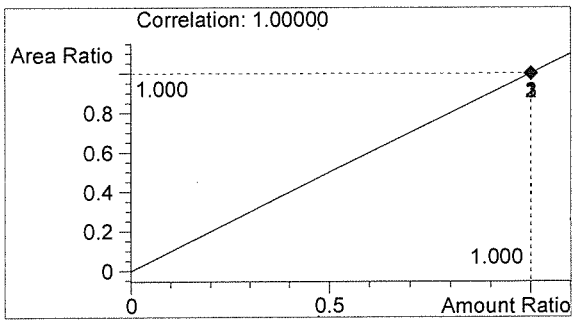
Sample Name: 17028 #5
Operator: Andrew Gingras
Location: Vial 28



#	Compound	Peak Area	RT (min)
1	Ethanol	1582	1.085
2	n-Propanol	2958	1.765



Ethanol 0.126 g/100mL

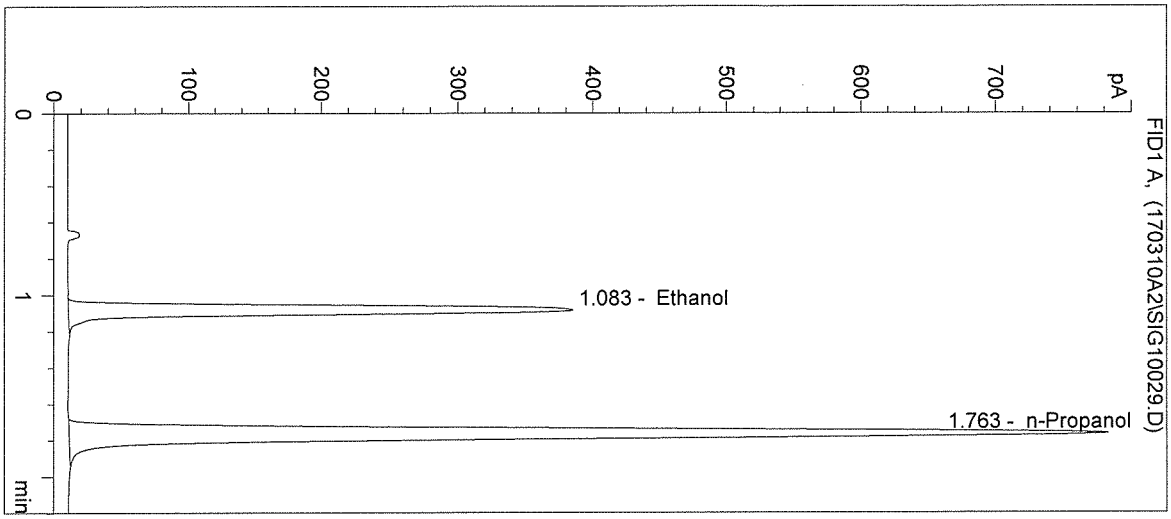


n-Propanol 0.012 g/100mL

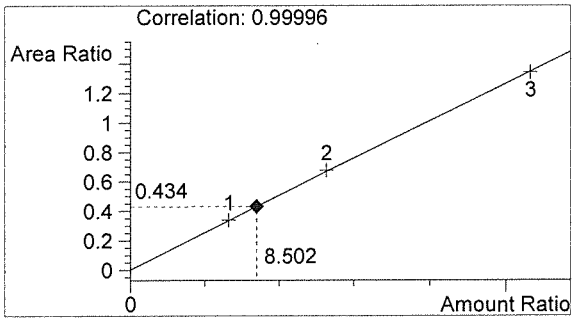
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:26:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

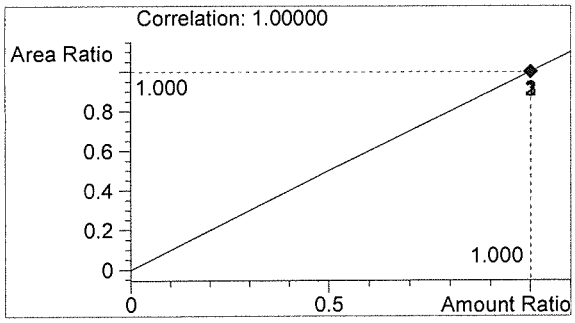
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 29



#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.083
2	n-Propanol	2904	1.763



Ethanol 0.102 g/100mL

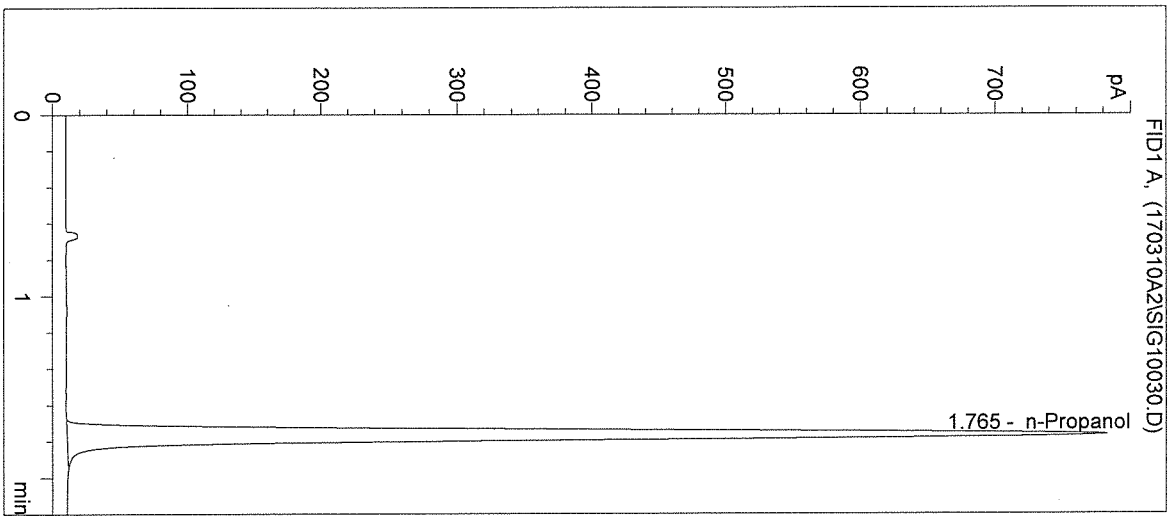


n-Propanol 0.012 g/100mL

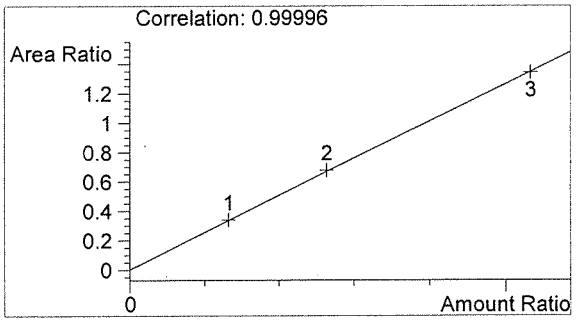
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/10/2017 3:29:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

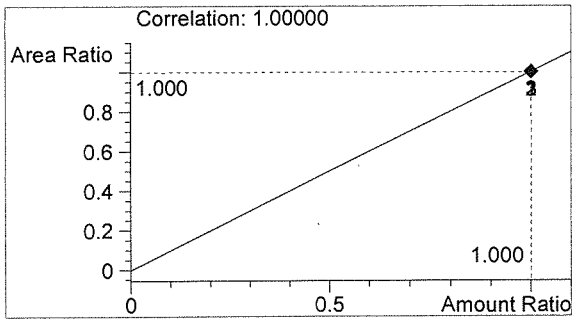
Sample Name: Negative CTRL
Operator: Andrew Gingras
Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2913	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170310A2\SIG10030.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		

17028
BCO 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!

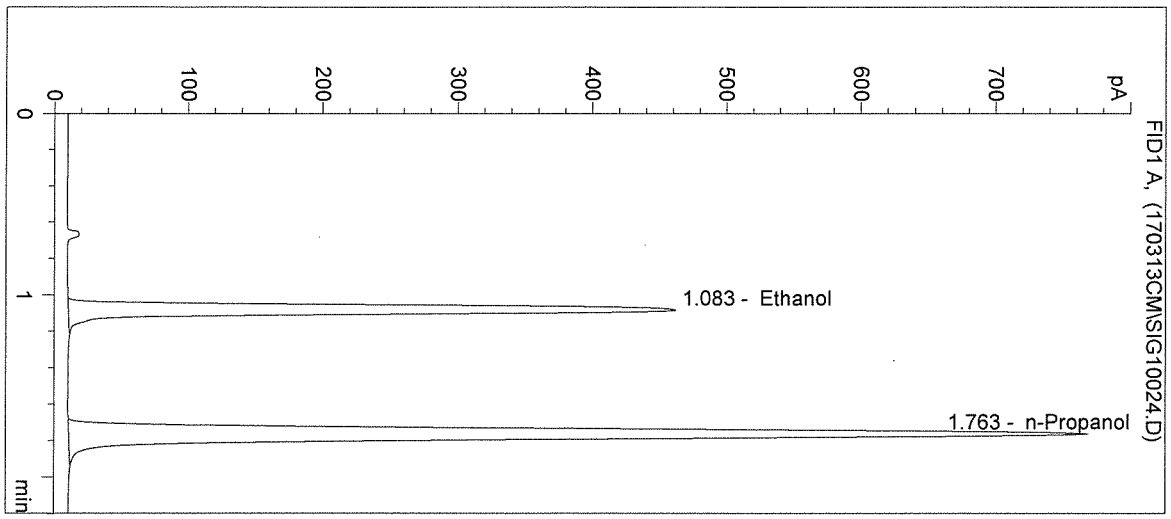
17028
BWO 3-14-17

BWO 3-14-17
~~17031300~~

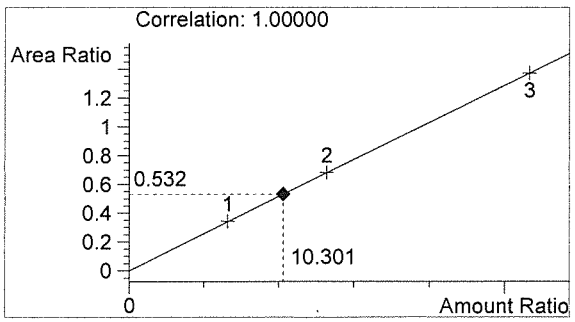
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:37:03 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #1
Operator: Christie Mitchell-Mata
Location: Vial 24

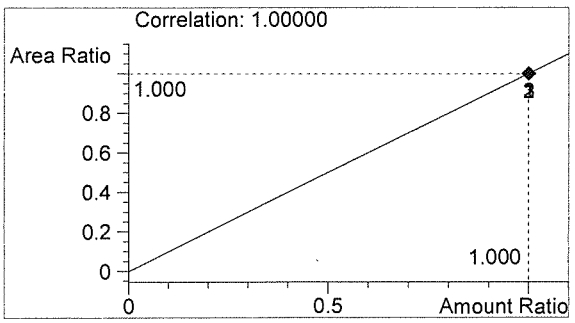


#	Compound	Peak Area	RT (min)
1	Ethanol	1512	1.083
2	n-Propanol	2843	1.763



Ethanol 0.124 g/100mL

BW



n-Propanol 0.012 g/100mL

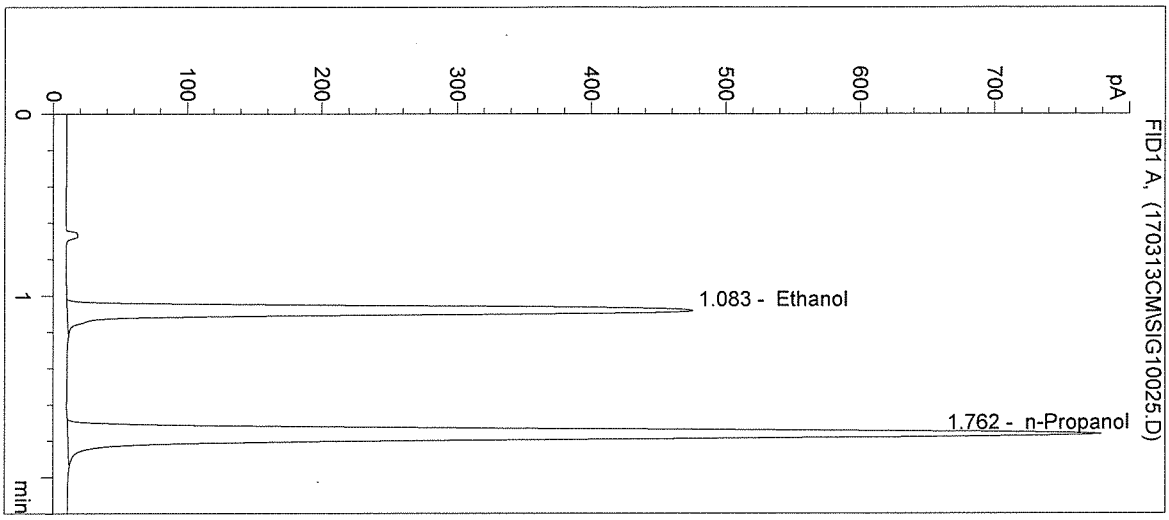
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10024.D

4

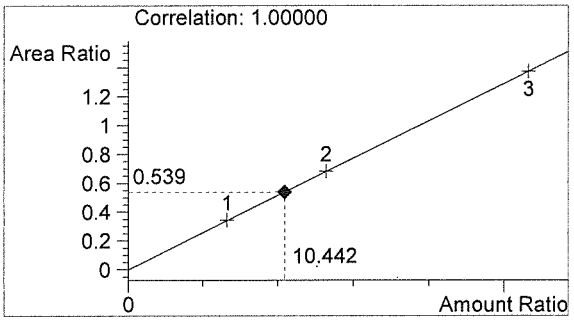
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:40:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #2
Operator: Christie Mitchell-Mata
Location: Vial 25

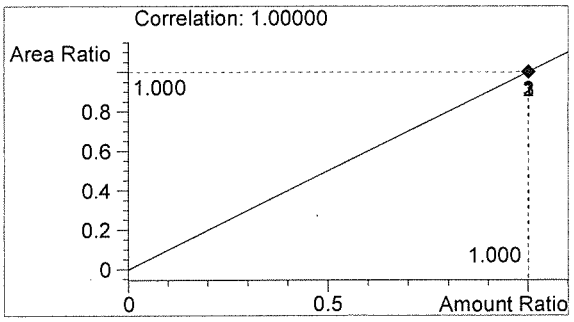


#	Compound	Peak Area	RT (min)
1	Ethanol	1550	1.083
2	n-Propanol	2873	1.762



Ethanol 0.125 g/100mL

RWO



n-Propanol 0.012 g/100mL

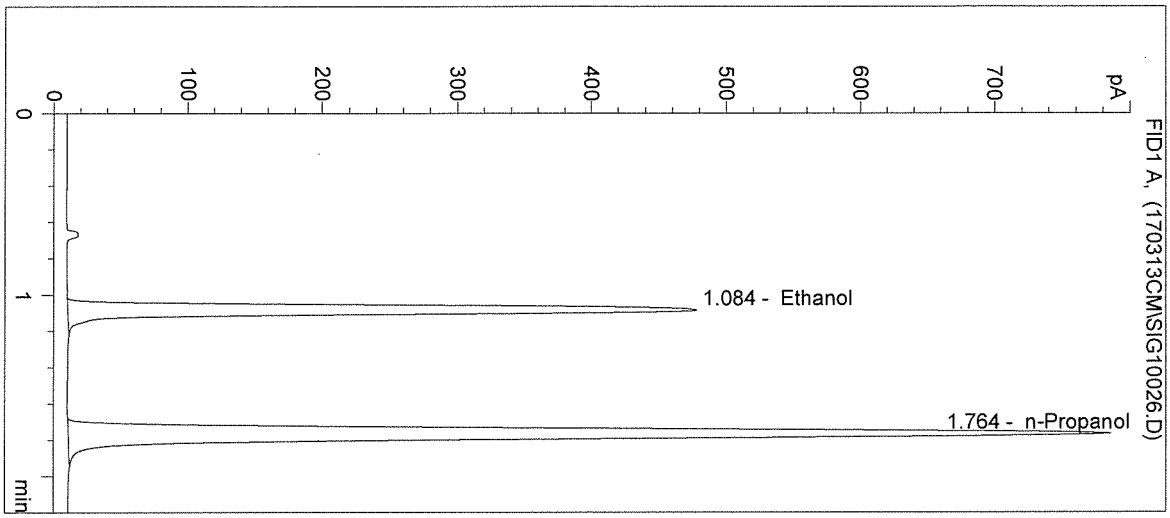
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10025.D

CY

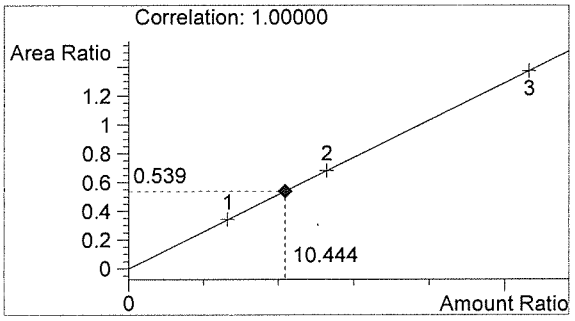
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:43:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #3
Operator: Christie Mitchell-Mata
Location: Vial 26

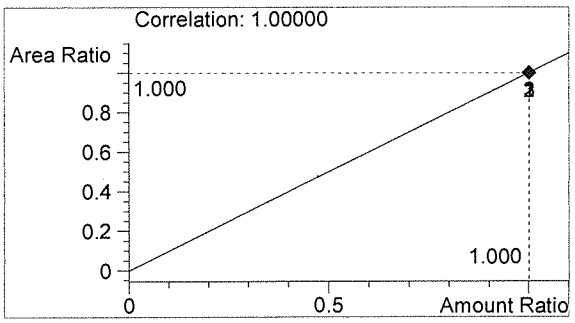


#	Compound	Peak Area	RT (min)
1	Ethanol	1570	1.084
2	n-Propanol	2911	1.764



Ethanol 0.125 g/100mL

PWO



n-Propanol 0.012 g/100mL

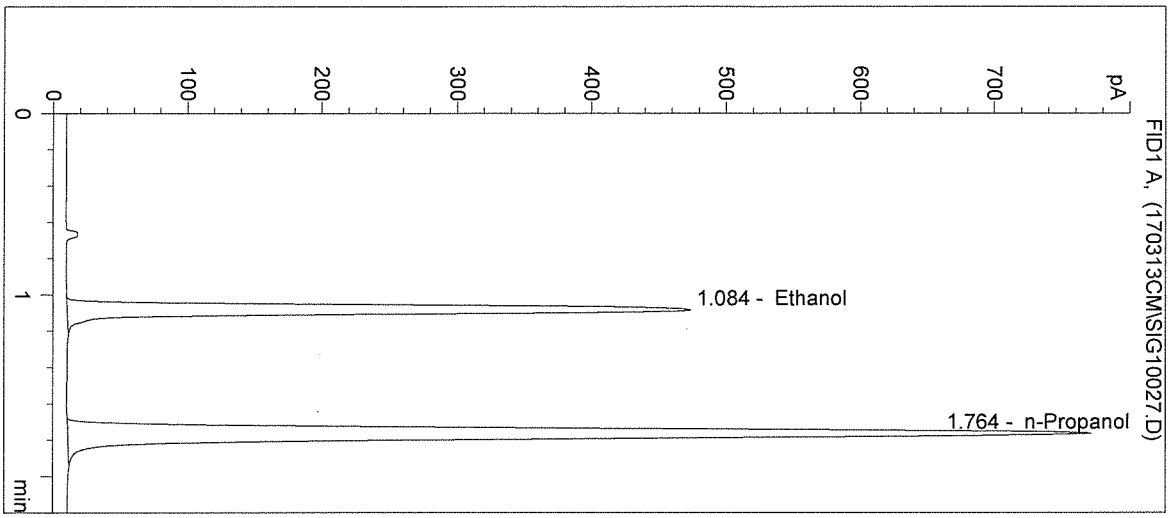
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10026.D

CM

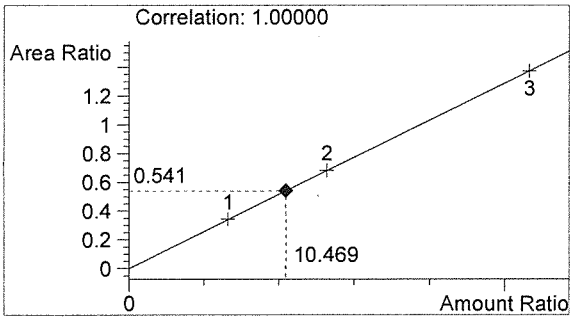
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:46:43 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17028 #4
Operator: Christie Mitchell-Mata
Location: Vial 27

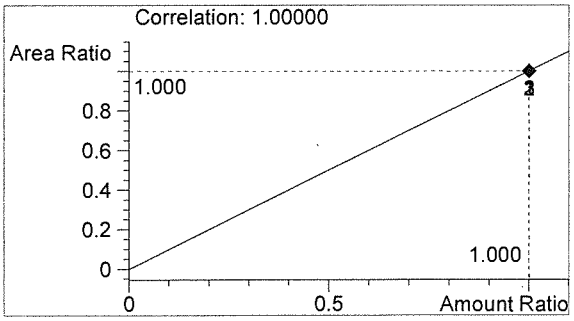


#	Compound	Peak Area	RT (min)
1	Ethanol	1548	1.084
2	n-Propanol	2863	1.764



Ethanol 0.126 g/100mL

BLC



n-Propanol 0.012 g/100mL

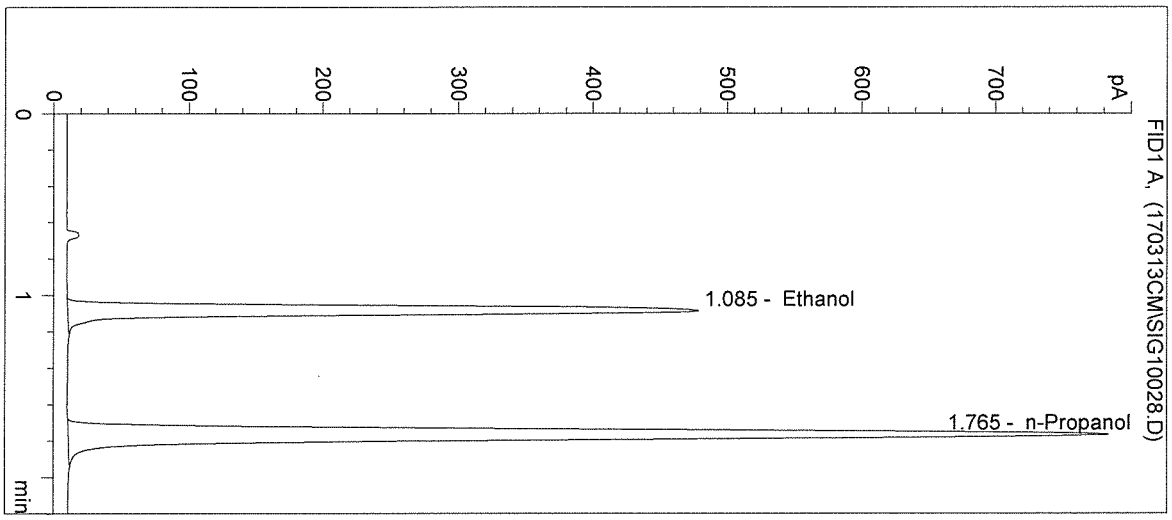
Data File: C:\HPCHEM\1\DATA\170313CM\SIG10027.D

CY

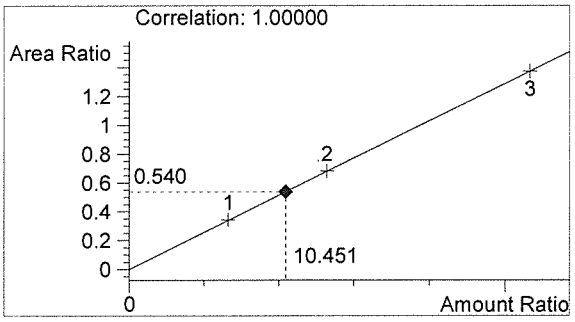
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:49:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

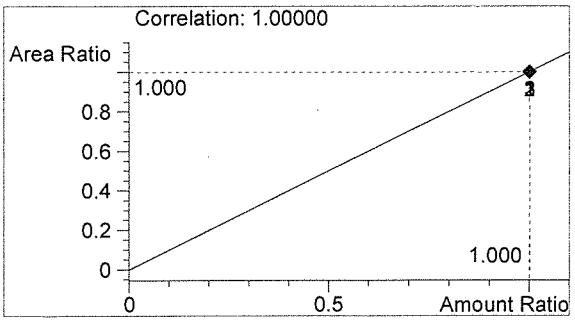
Sample Name: 17028 #5
Operator: Christie Mitchell-Mata
Location: Vial 28



#	Compound	Peak Area	RT (min)
1	Ethanol	1570	1.085
2	n-Propanol	2908	1.765



Ethanol 0.125 g/100mL



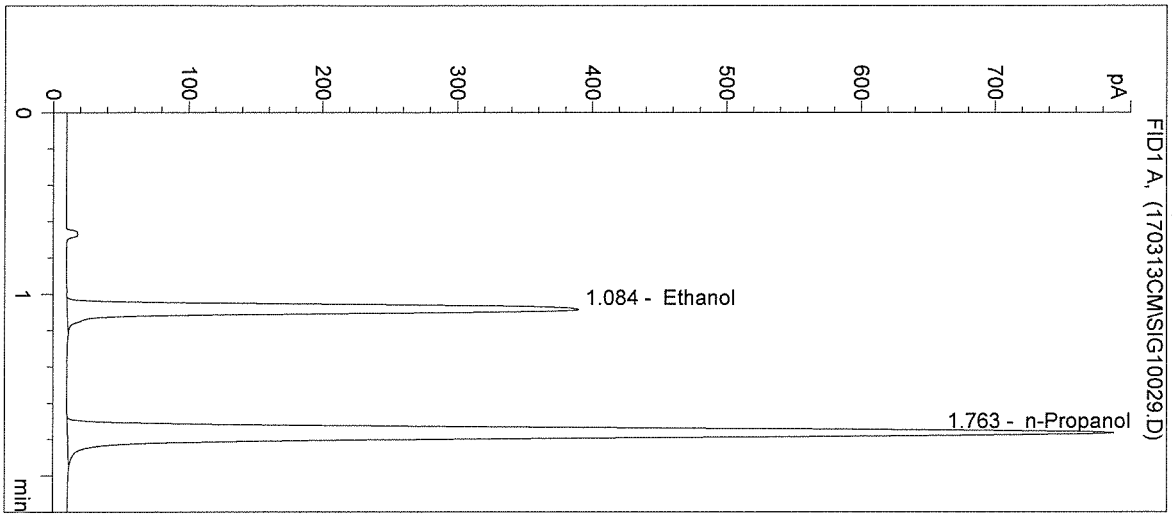
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10028.D

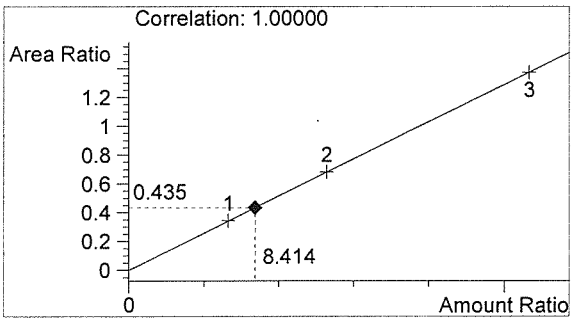
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:53:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

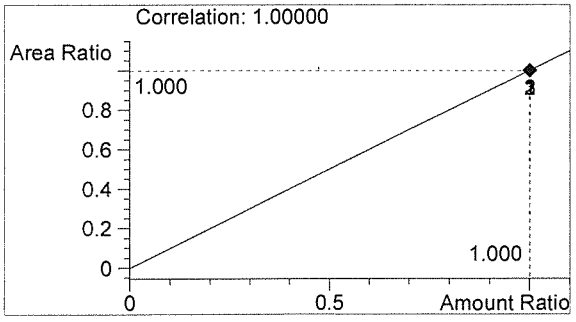
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 29



#	Compound	Peak Area	RT (min)
1	Ethanol	1268	1.084
2	n-Propanol	2915	1.763



Ethanol 0.101 g/100mL



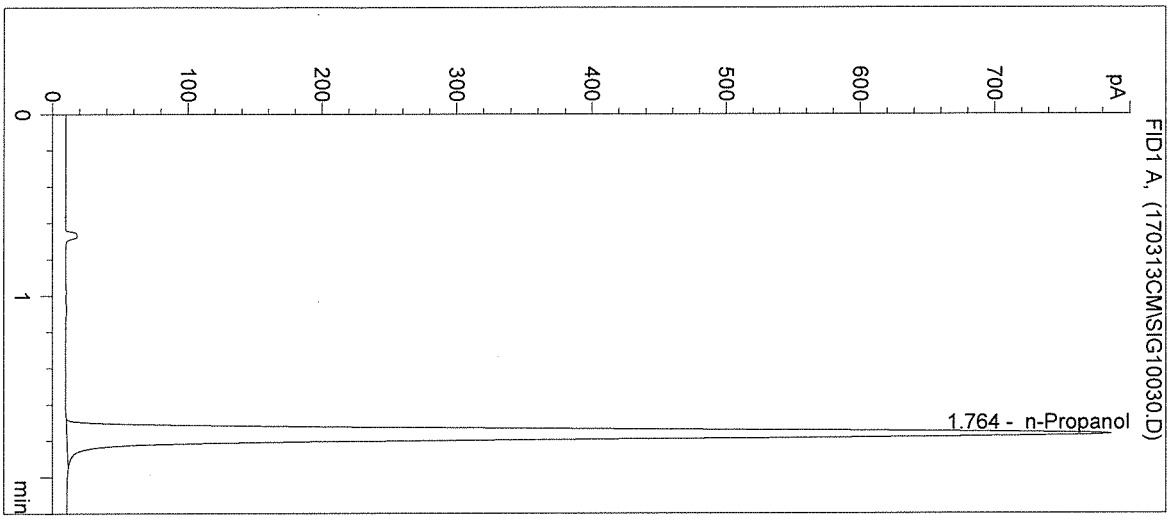
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10029.D

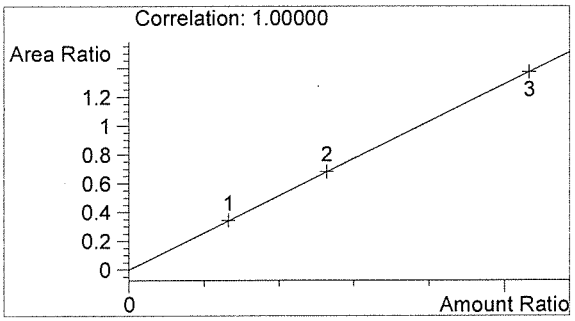
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/13/2017 12:56:23 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17028

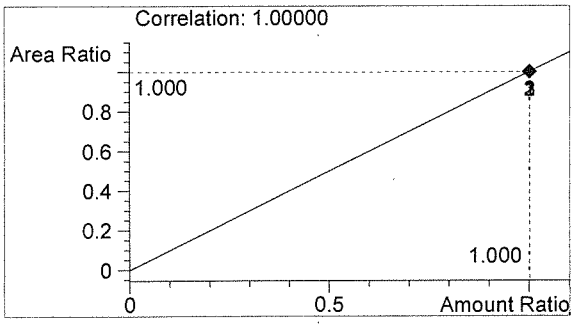
Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 30



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2916	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170313CM\SIG10030.D