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: 16048

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

IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	AG	RF
1	0.188	0.190	0.187
2	0.192	0.185	0.187
3	0.189	0.187	0.188
4	0.188	0.190	0.188
5	0.192	0.189	0.188
C	0.103	0.104	0.102

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1885 g/100mL
STANDARD DEVIATION: 0.00188
PRECISION CV (%): 1.00
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1533 g/210L**
EXPANDED UNCERTAINTY: ± 0.0038 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brianne E. O'Reilly Technical Lead

12·5·2016
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AC	Amanda Chandler		11/17/2016
AG	Andrew Gingras		11/17/2016
RF	Rebecca Flaherty		11/18/2016

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

QAP Solution Batch #: 16048 **Date Prepared:** 11/17/2016

	AC	AG	RF
Analyst:			
Date Tested:	11/17/2016	11/17/2016	11/18/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.188	0.190	0.187
2	0.192	0.185	0.187
3	0.189	0.187	0.188
4	0.188	0.190	0.188
5	0.192	0.189	0.188
C	0.103	0.104	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000066627	0.0000314199	0.0001016326

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

Average Solution Concentration: 0.1885 g/100mL
Standard Deviation: 0.00188 g/100mL
Precision CV (%): 1.00
Equivalent Vapor Concentration: 0.1533 g/210L
Combined Standard Uncertainty (±): 0.0019 g/210L
Expanded Uncertainty (±): 0.0038 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly (Name) Brianne E O'Reilly (Signature) 11.23.16 (Date)

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

Tech. review performed by: Brianne E. O'Reilly (Name) Brianne E O'Reilly (Signature) 11.23.16 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

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

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16048

	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: 12-5-16

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

Batch # 16048

BWO 11-23-16

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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

0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 16048

I, Amanda Chandler, do certify under penalty of perjury that:

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

I possess the following qualifications: MS degree in Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 16048, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/17/2017.

Seattle, WA

Amanda Chandler 11/30/16

Amanda Chandler Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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

0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 16048

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 16048, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/17/2017.

Seattle, WA

11/30/16

Andrew Gingras Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 16048

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

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

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

The quality assurance procedure (QAP) solution, Lot Number 16048, was prepared in the Washington State Toxicology Laboratory on 11/17/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/17/2017.

Seattle, WA

11/30/16

Rebecca Flaherty — Date

Forensic Scientist

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

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

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

Lot # of 200-proof Ethanol used in preparation: 2DK8010

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

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

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	16047
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☑	16048
QAP 0.20	56.1	18	☑	16049
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 ☑ 11/17/16 Date

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

Comments:

Amanda Chandler
Analyst Signature

11/17/2014 Date

16048 PWO 11.23.16

Sequence: C:\HPCHEM\1\SEQUENCE\ACQAP1.S

Sequence Parameters:

Operator:	Amanda Chandler
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	161117AC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

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

CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16047
Dilutor #1

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

16048
BWO 11.23.16

Sequence: C:\HPCHEM\1\SEQUENCE\ACQAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

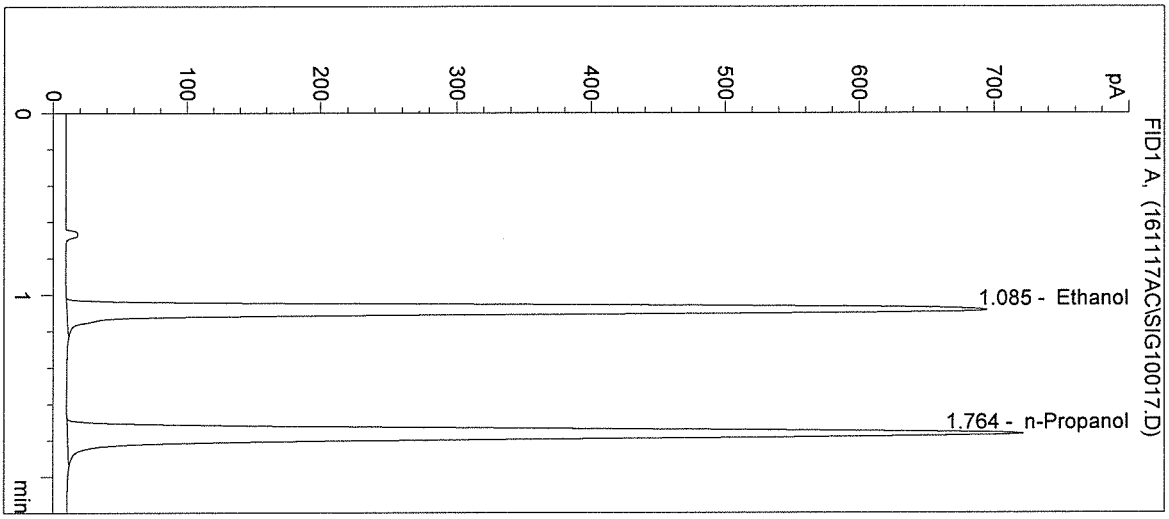
Sequence Table (Back Injector):

No entries - empty table!

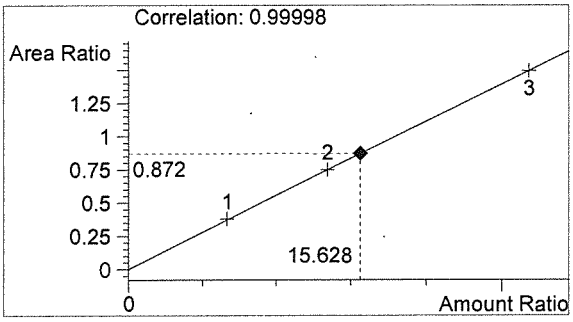
16048
BWO 11-23-16

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

Inj. Date: 11/17/2016 10:23:22 AM Sample Name: QAP 16048 #1
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 17
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

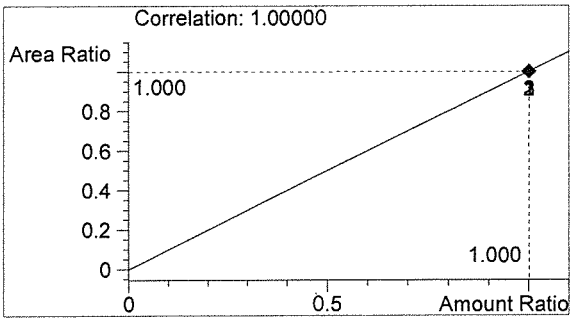


#	Compound	Peak Area	RT (min)
1	Ethanol	2352	1.085
2	n-Propanol	2698	1.764



Ethanol 0.188 g/100mL

BWO



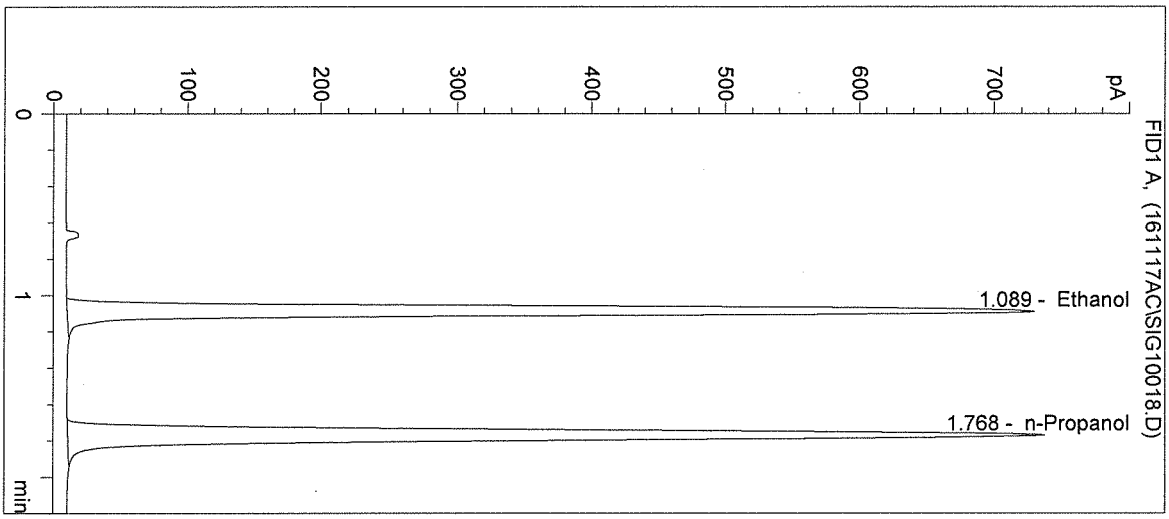
n-Propanol 0.012 g/100mL

AR

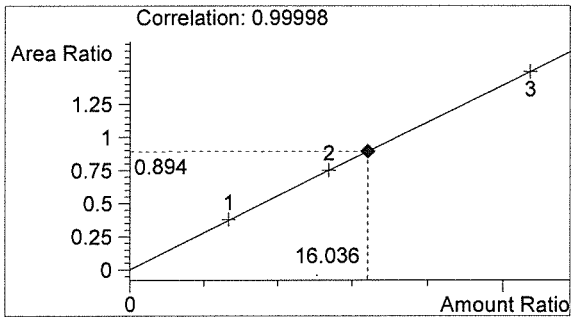
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 10:26:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

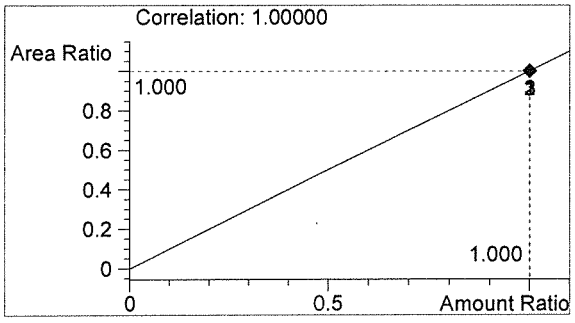
Sample Name: QAP 16048 #2
Operator: Amanda Chandler
Location: Vial 18



#	Compound	Peak Area	RT (min)
1	Ethanol	2492	1.089
2	n-Propanol	2786	1.768



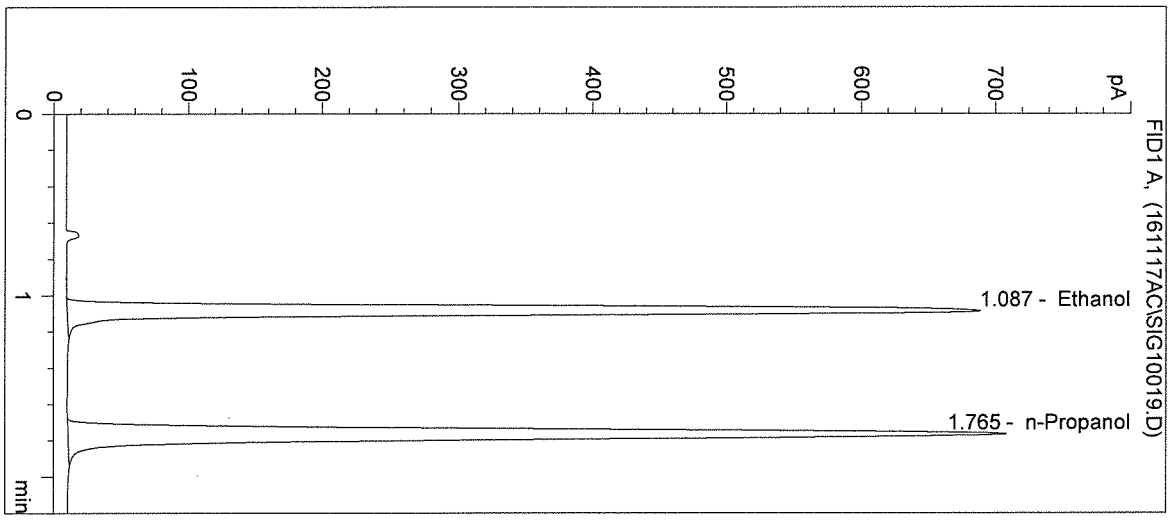
Ethanol 0.192 g/100mL



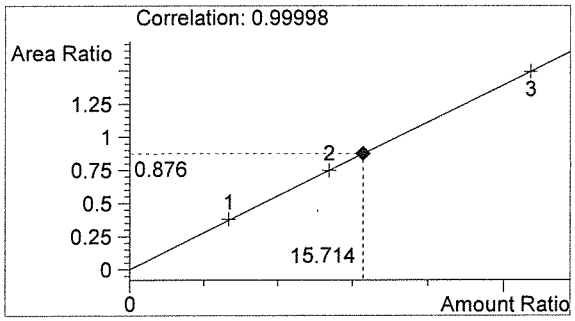
n-Propanol 0.012 g/100mL

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

Inj. Date: 11/17/2016 10:29:48 AM Sample Name: QAP 16048 #3
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

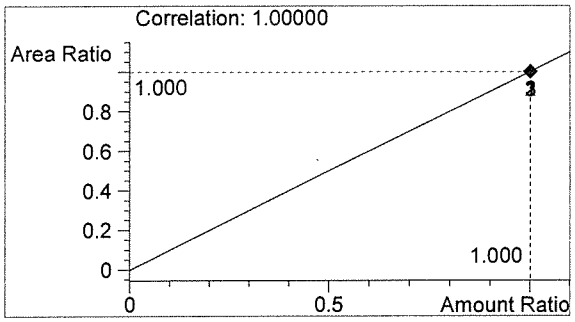


#	Compound	Peak Area	RT (min)
1	Ethanol	2327	1.087
2	n-Propanol	2656	1.765



Ethanol 0.189 g/100mL

BWO

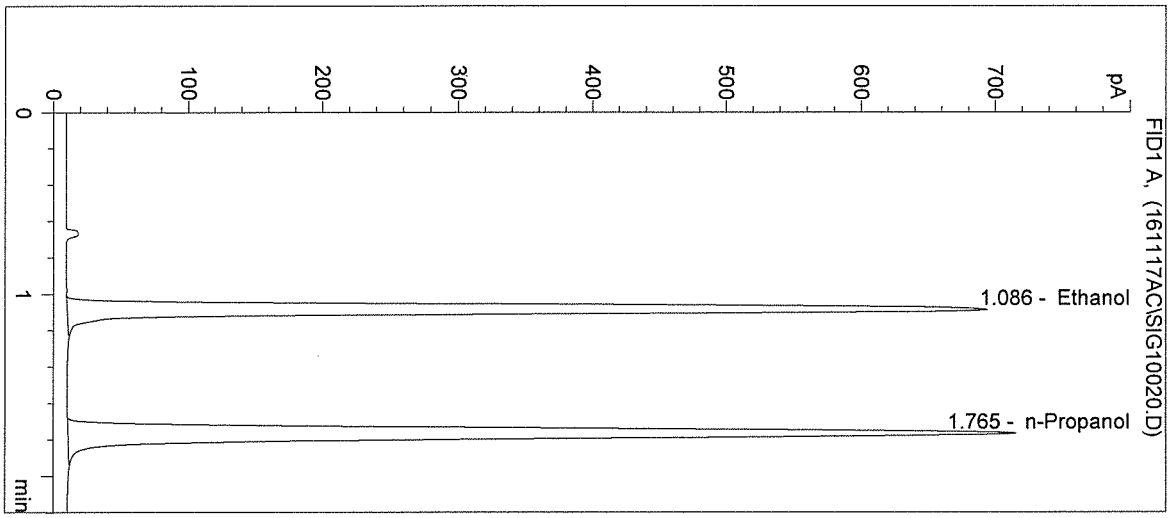


n-Propanol 0.012 g/100mL

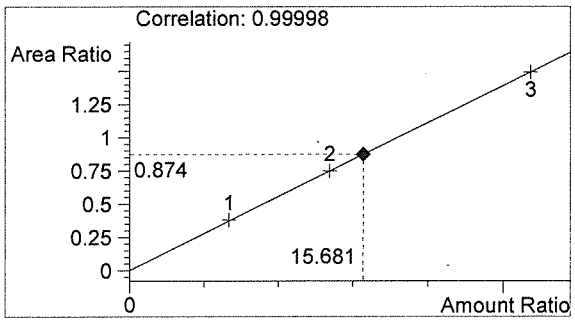
AR

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

Inj. Date: 11/17/2016 10:33:02 AM Sample Name: QAP 16048 #4
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 20
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

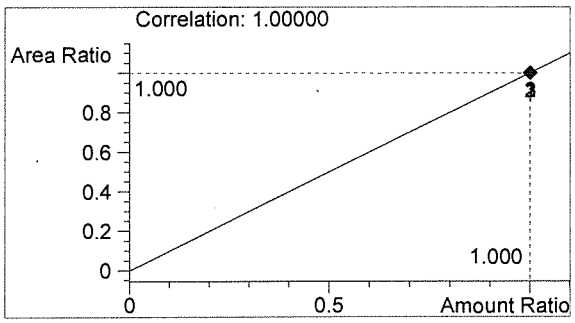


#	Compound	Peak Area	RT (min)
1	Ethanol	2343	1.086
2	n-Propanol	2680	1.765



Ethanol 0.188 g/100mL

BWO



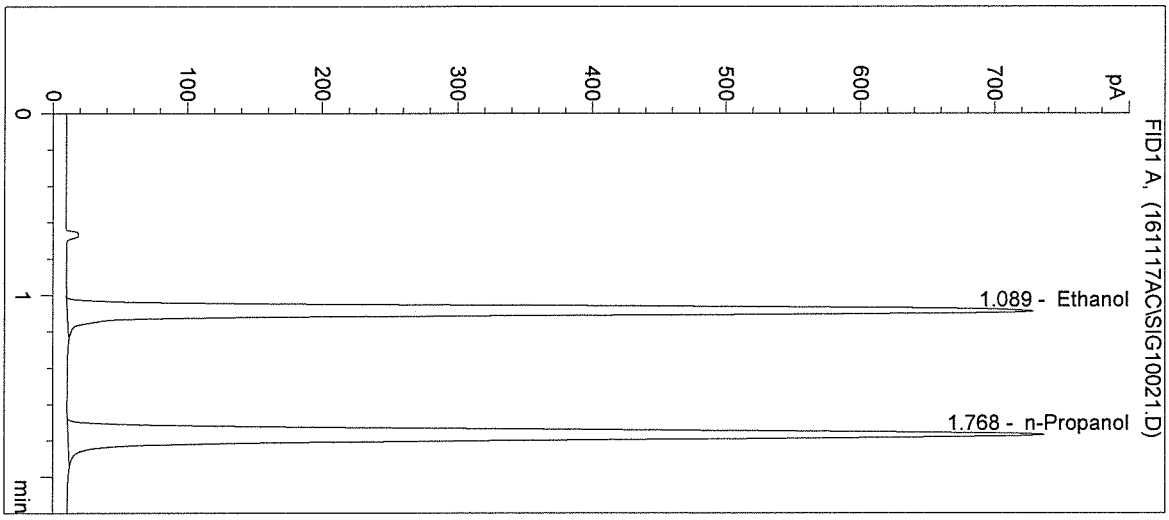
n-Propanol 0.012 g/100mL

AC

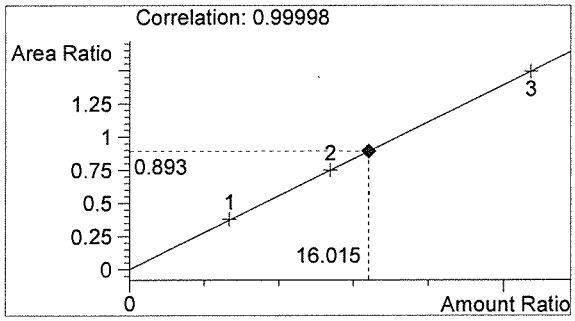
Data File: C:\HPCHEM\1\DATA\161117AC\SIG10020.D Page 1 of 1

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

Inj. Date: 11/17/2016 10:36:14 AM Sample Name: QAP 16048 #5
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 21
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

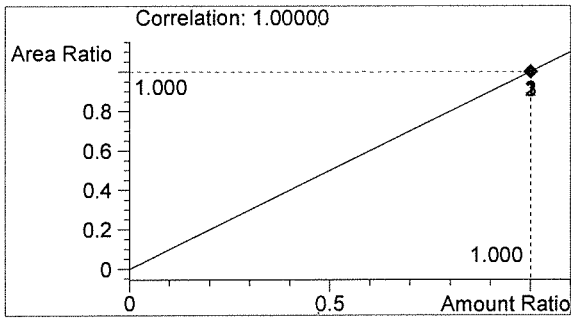


#	Compound	Peak Area	RT (min)
1	Ethanol	2479	1.089
2	n-Propanol	2776	1.768



Ethanol 0.192 g/100mL

BWO



n-Propanol 0.012 g/100mL

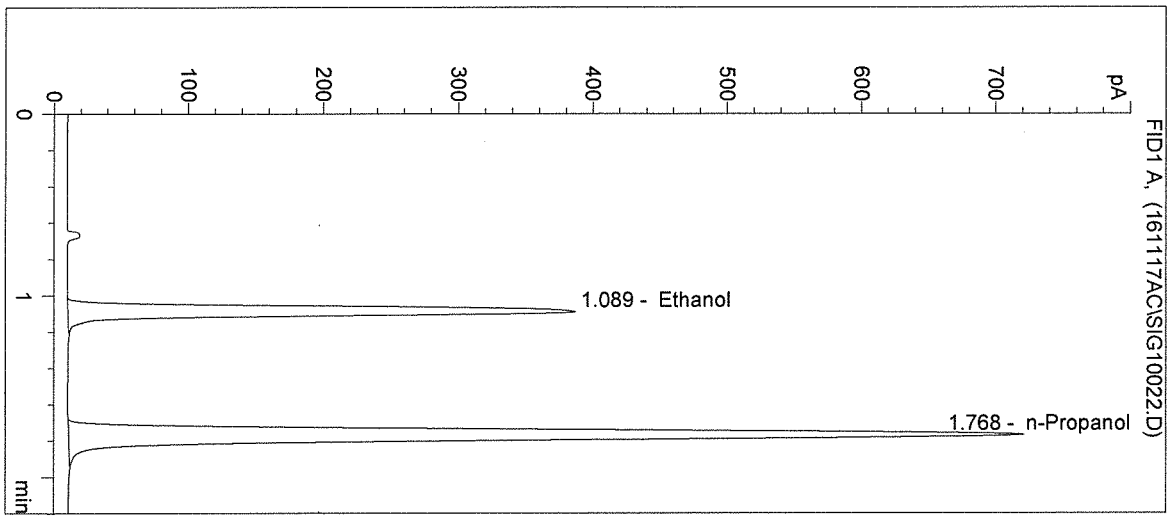
AC

Data File: C:\HPCHEM\1\DATA\161117AC\SIG10021.D Page 1 of 1

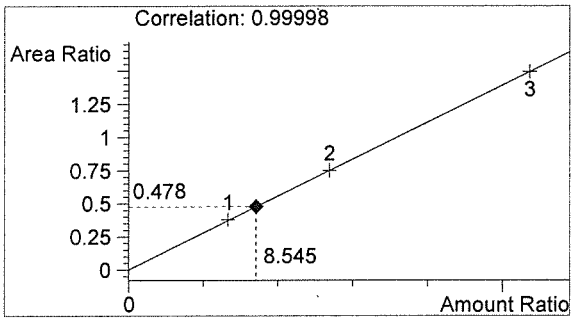
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 10:39:28 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048

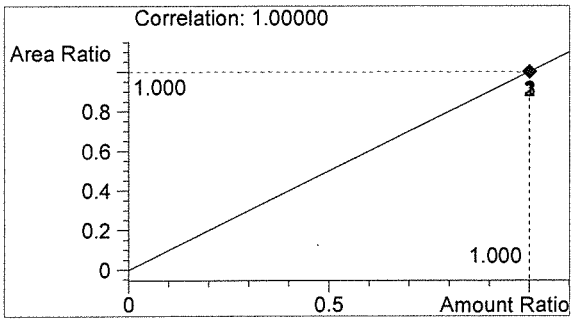
Sample Name: 0.10 CTRL
Operator: Amanda Chandler
Location: Vial 22



#	Compound	Peak Area	RT (min)
1	Ethanol	1299	1.089
2	n-Propanol	2716	1.768



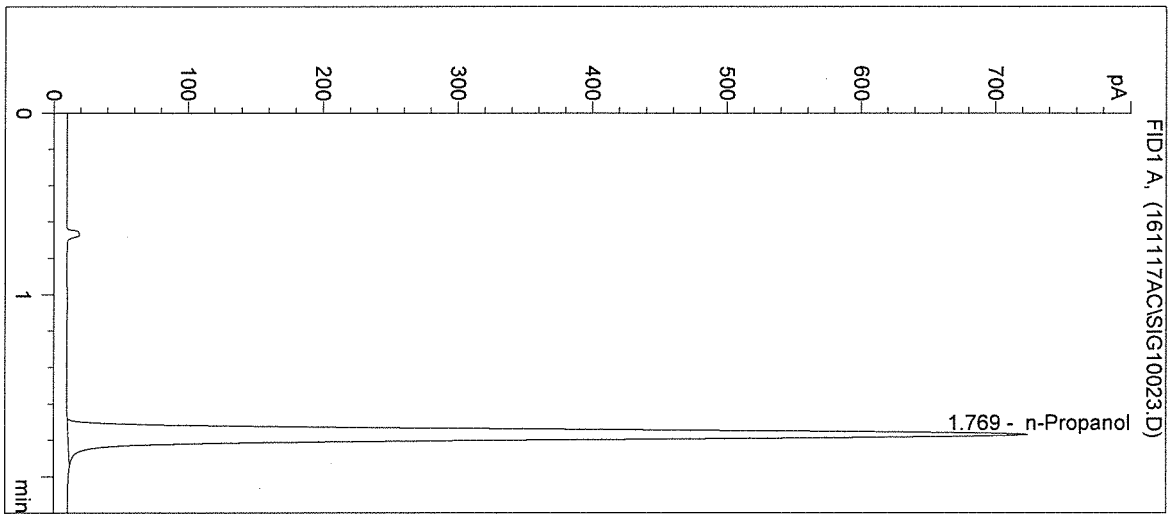
Ethanol 0.103 g/100mL



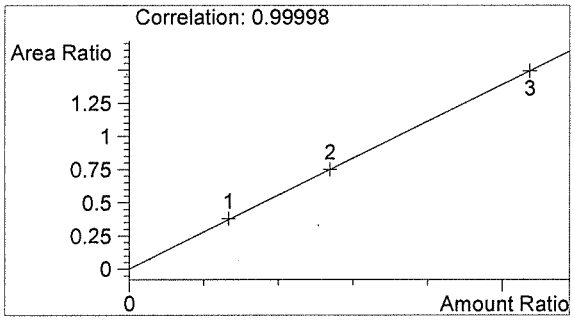
n-Propanol 0.012 g/100mL

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

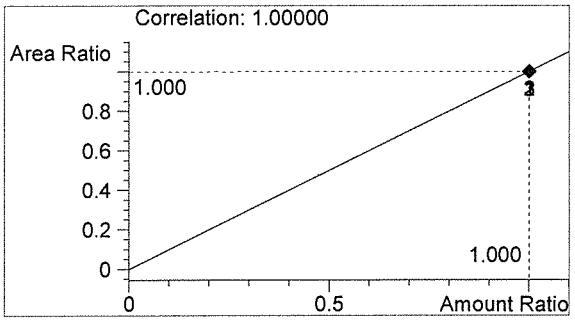
Inj. Date: 11/17/2016 10:42:42 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2730	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\ACQAP1.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:	161117AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

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

CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16047
Dilutor #1

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

16048
RWO 11.23.16

Sequence: C:\HPCHEM\1\SEQUENCE\ACQAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

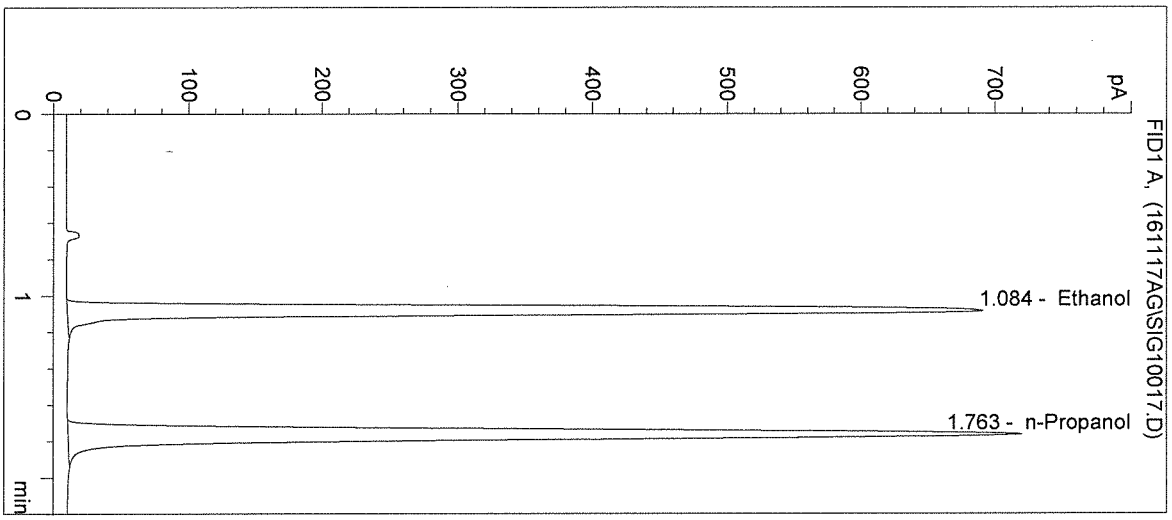
No entries - empty table!

16048
BWO 11-23-16

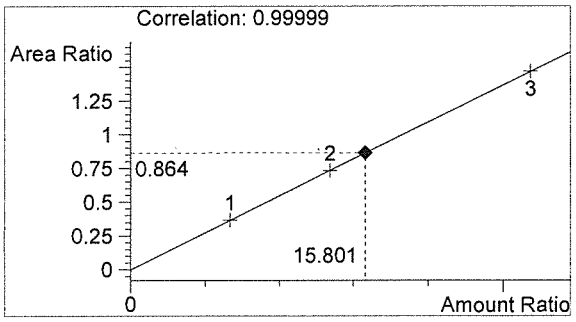
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:17:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #1
Operator: Andrew Gingras
Location: Vial 17

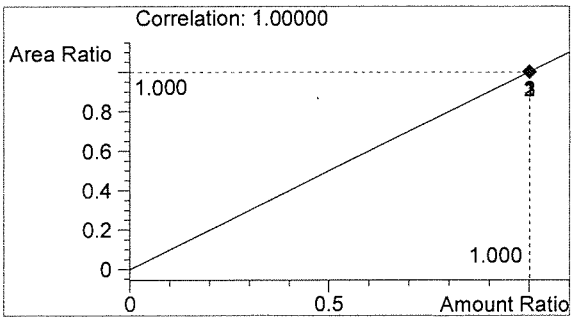


#	Compound	Peak Area	RT (min)
1	Ethanol	2314	1.084
2	n-Propanol	2677	1.763



Ethanol 0.190 g/100mL

BWO



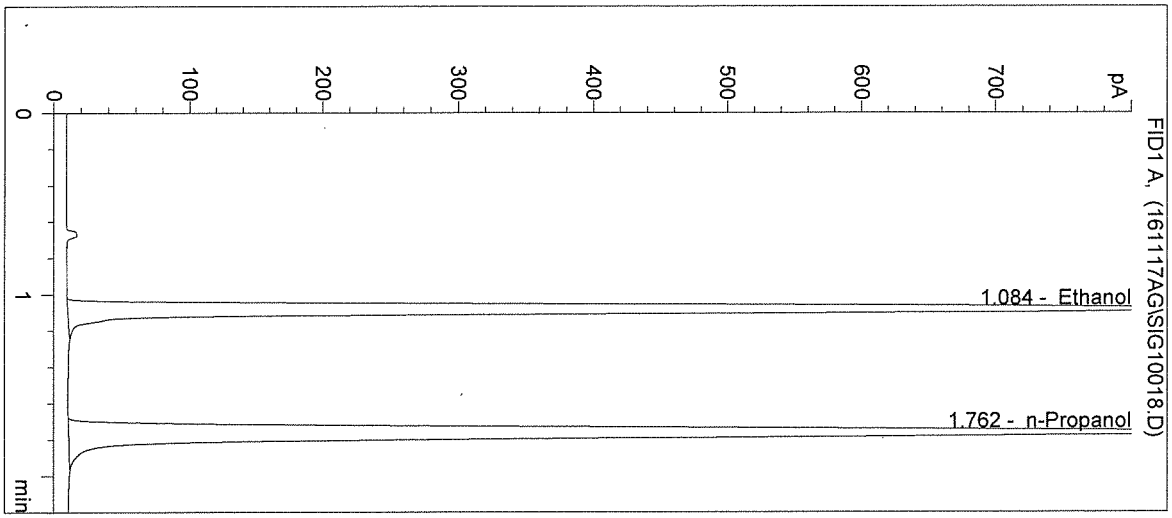
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\161117AG\SIG10017.D

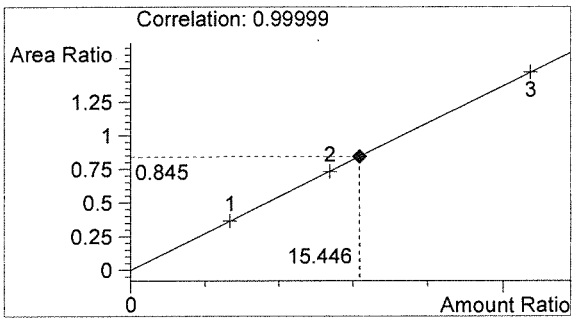
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:20:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #2
Operator: Andrew Gingras
Location: Vial 18

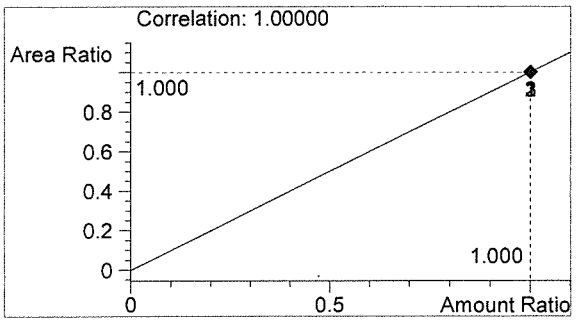


#	Compound	Peak Area	RT (min)
1	Ethanol	2802	1.084
2	n-Propanol	3317	1.762



Ethanol 0.185 g/100mL

BWO



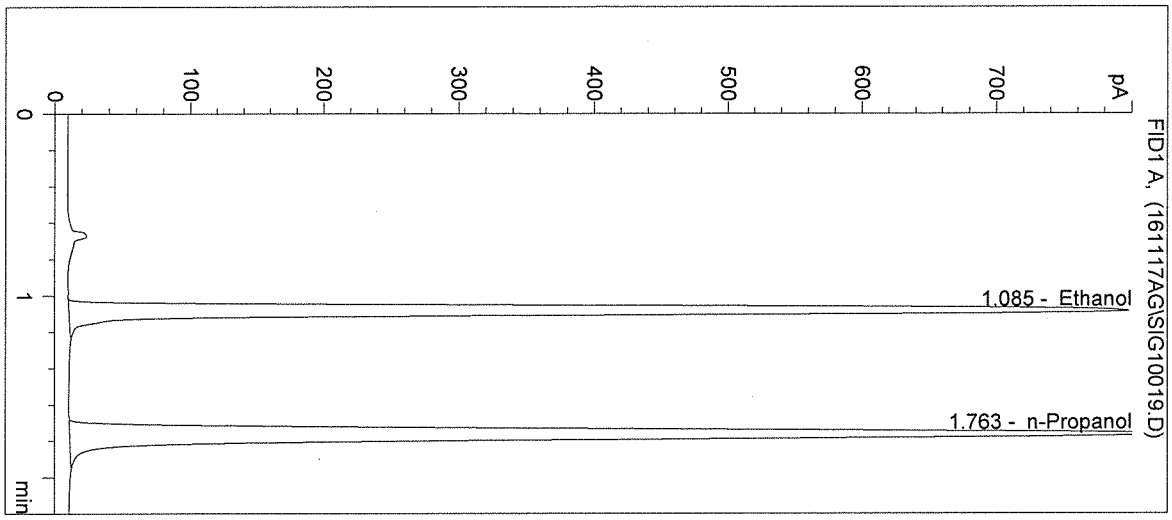
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\161117AG\SIG10018.D

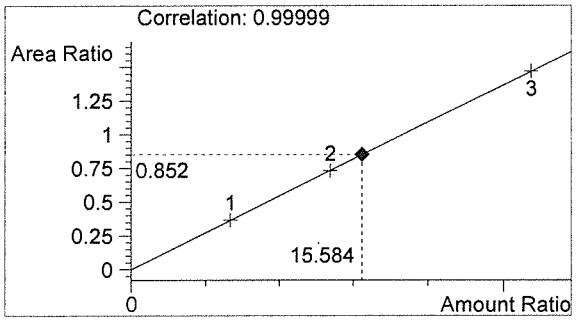
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:23:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

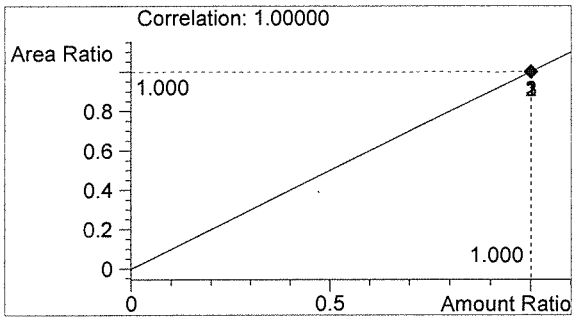
Sample Name: QAP 16048 #3
Operator: Andrew Gingras
Location: Vial 19



#	Compound	Peak Area	RT (min)
1	Ethanol	2666	1.085
2	n-Propanol	3128	1.763



Ethanol 0.187 g/100mL



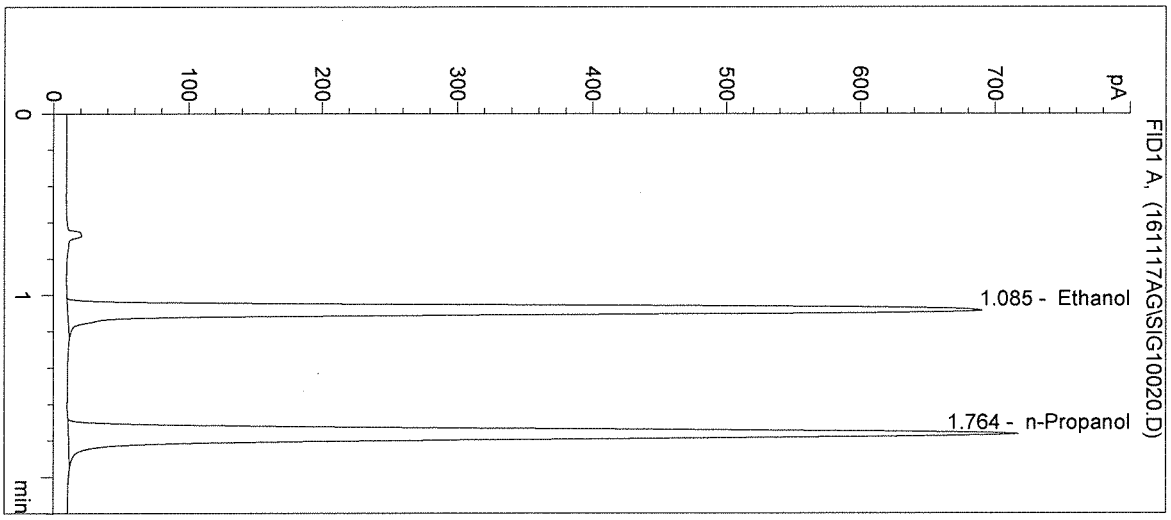
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\161117AG\SIG10019.D

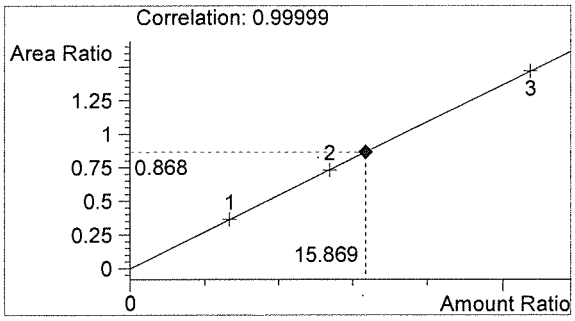
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:26:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #4
Operator: Andrew Gingras
Location: Vial 20

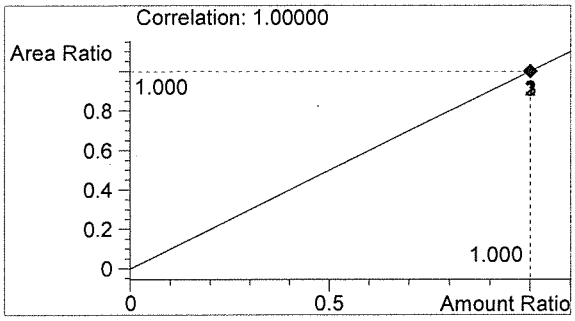


#	Compound	Peak Area	RT (min)
1	Ethanol	2318	1.085
2	n-Propanol	2671	1.764



Ethanol 0.190 g/100mL

BWO



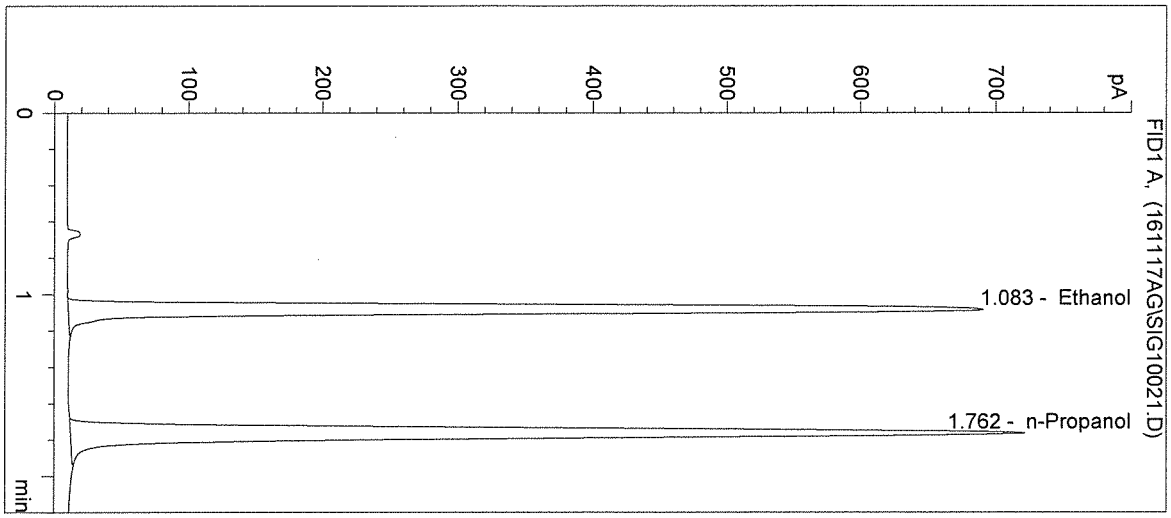
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\161117AG\SIG10020.D

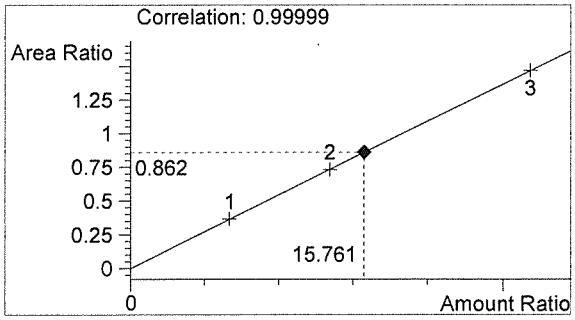
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:29:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #5
Operator: Andrew Gingras
Location: Vial 21

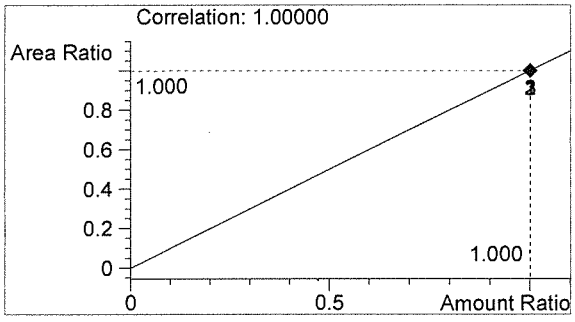


#	Compound	Peak Area	RT (min)
1	Ethanol	2306	1.083
2	n-Propanol	2676	1.762



Ethanol 0.189 g/100mL

BWO



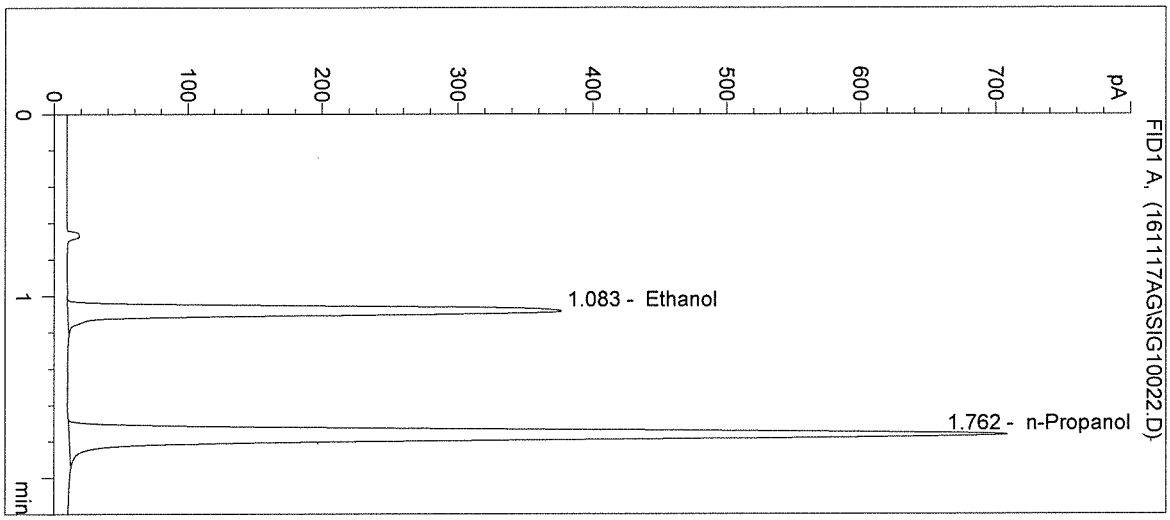
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\161117AG\SIG10021.D

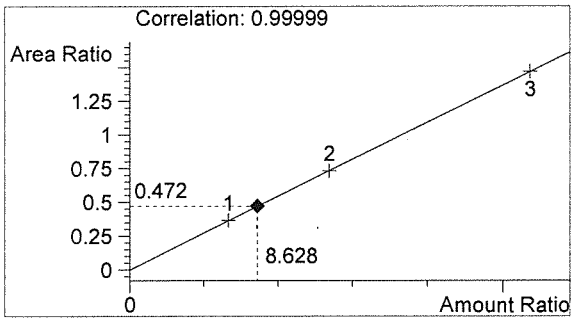
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/17/2016 12:33:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048

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

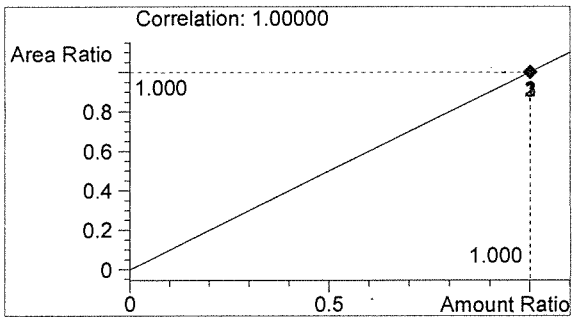


#	Compound	Peak Area	RT (min)
1	Ethanol	1242	1.083
2	n-Propanol	2635	1.762



Ethanol 0.104 g/100mL

BWO

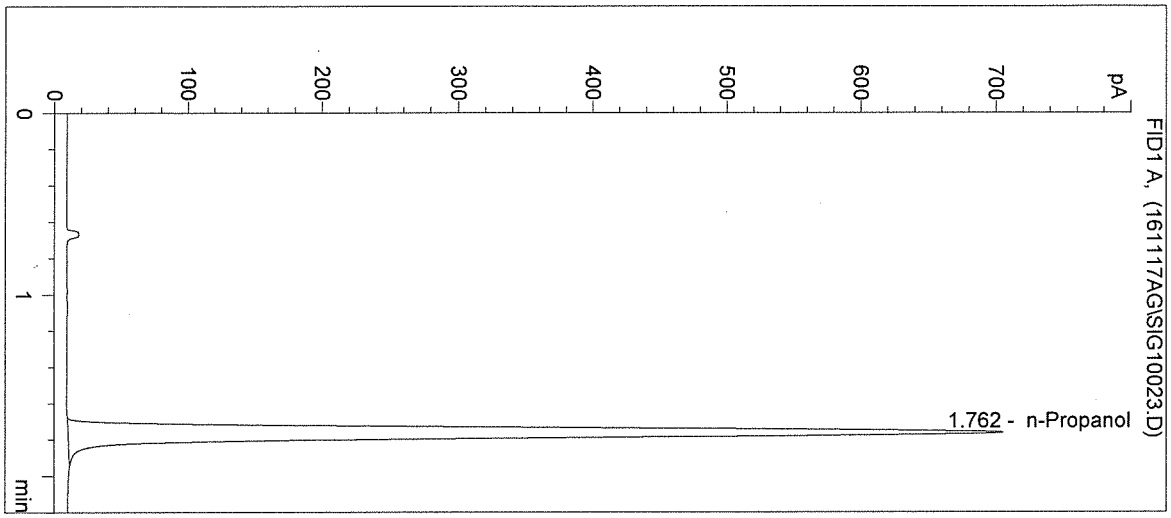


n-Propanol 0.012 g/100mL

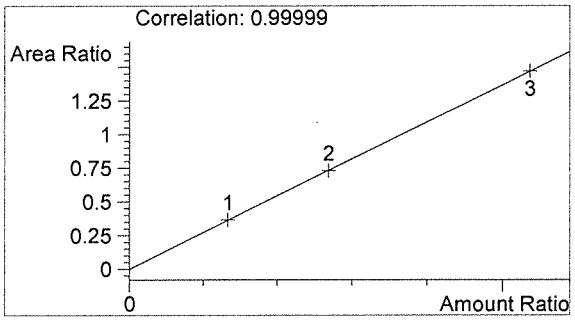
Data File: C:\HPCHEM\1\DATA\161117AG\SIG10022.D

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

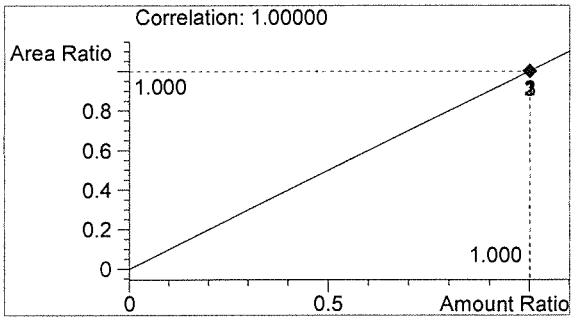
Inj. Date: 11/17/2016 12:36:22 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2624	1.762



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\RFQAP1.S

Sequence Parameters:

Operator:	Rebecca Flaherty
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	161118RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
CAL 1 (0.079g/100mL) - LOT# E0916-01 - EXP 3/15/2017
CAL 2 (0.158g/100mL) - LOT# E0916-02 - EXP 3/15/2017
CAL 3 (0.316g/100mL) - LOT# E0916-03 - EXP 3/15/2017

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

CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16047
Dilutor #1

- 16048
BWO 11.23.16

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 16047 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 16047 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 16047 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 16047 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 16047 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 16048 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 16048 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 16048 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 16048 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 16048 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

RL

Sequence: C:\HPCHEM\1\SEQUENCE\RFQAP1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 24	QAP 16049 #1	SIMALC1	1	Sample		
25	Vial 25	QAP 16049 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 16049 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 16049 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 16049 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

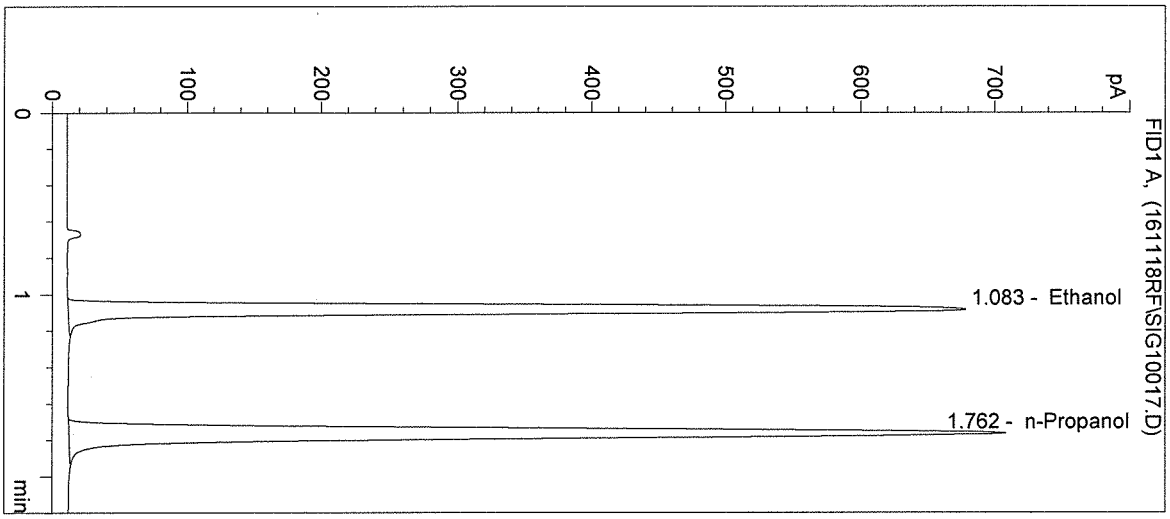
No entries - empty table!

16048
BWO 11-23-16

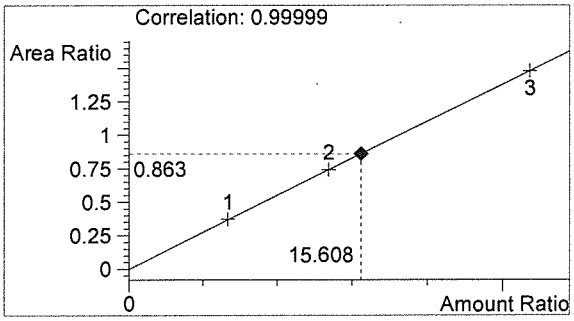
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/18/2016 10:20:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #1
Operator: Rebecca Flaherty
Location: Vial 17

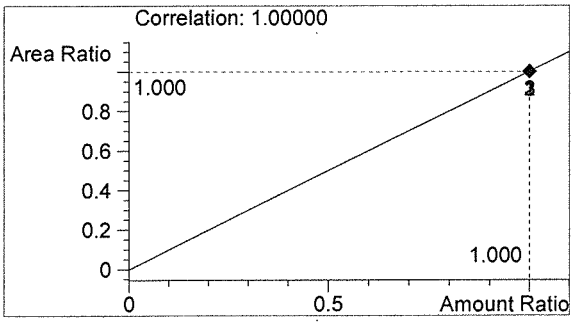


#	Compound	Peak Area	RT (min)
1	Ethanol	2259	1.083
2	n-Propanol	2619	1.762



Ethanol 0.187 g/100mL

BWO



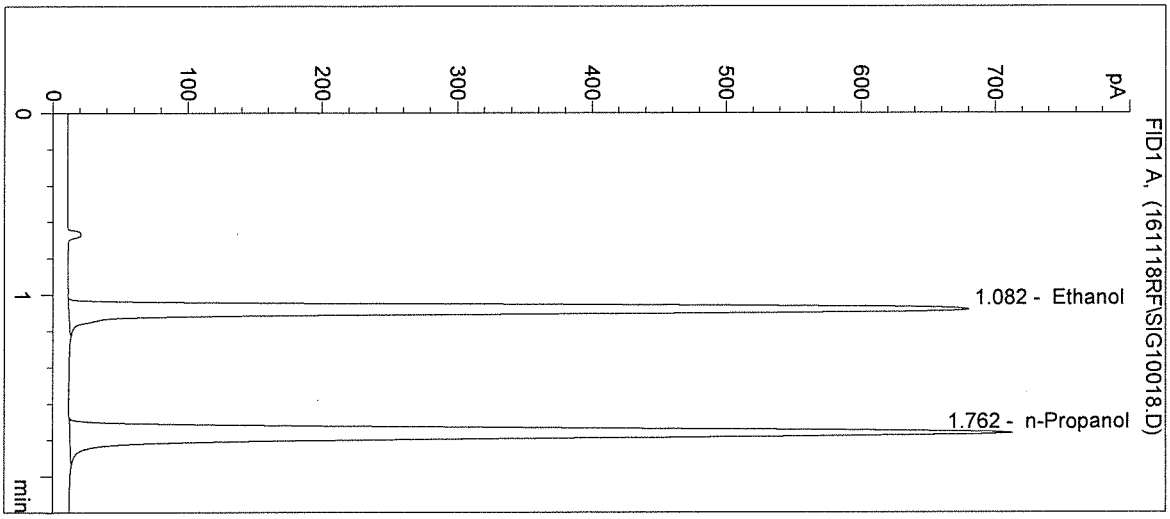
n-Propanol 0.012 g/100mL

RF

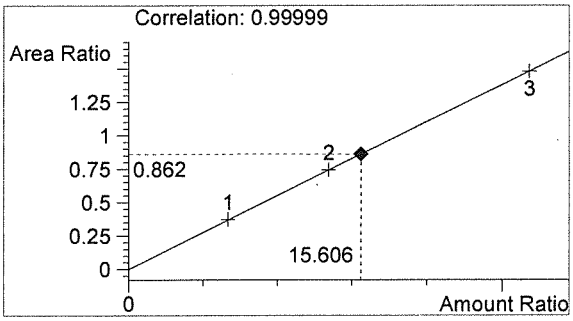
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/18/2016 10:23:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: QAP 16048 #2
Operator: Rebecca Flaherty
Location: Vial 18

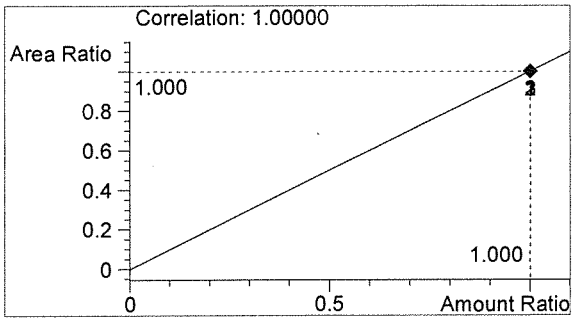


#	Compound	Peak Area	RT (min)
1	Ethanol	2275	1.082
2	n-Propanol	2638	1.762



Ethanol 0.187 g/100mL

BWD

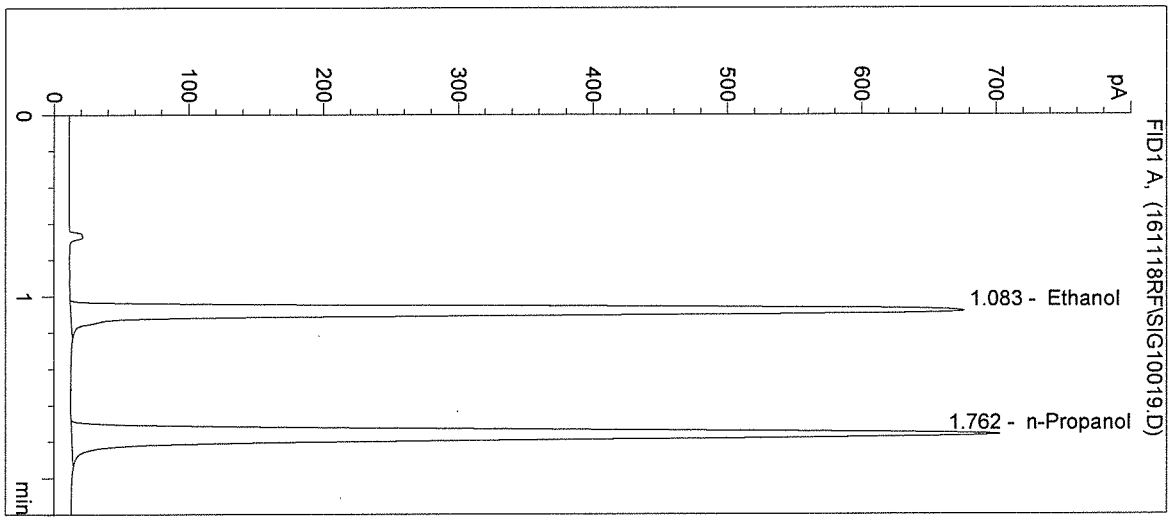


n-Propanol 0.012 g/100mL

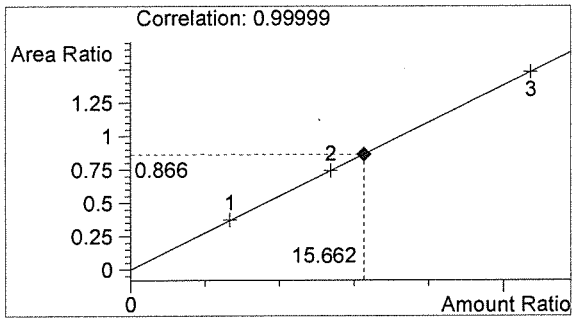
RF

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

Inj. Date: 11/18/2016 10:26:33 AM Sample Name: QAP 16048 #3
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

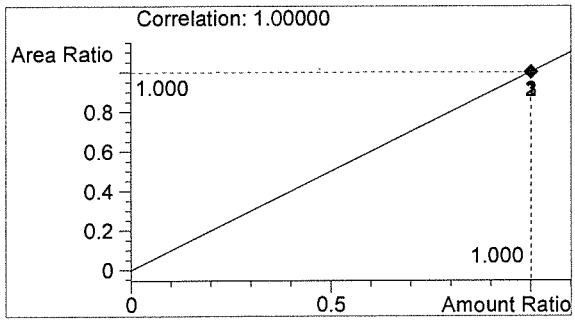


#	Compound	Peak Area	RT (min)
1	Ethanol	2252	1.083
2	n-Propanol	2601	1.762



Ethanol 0.188 g/100mL

BWO

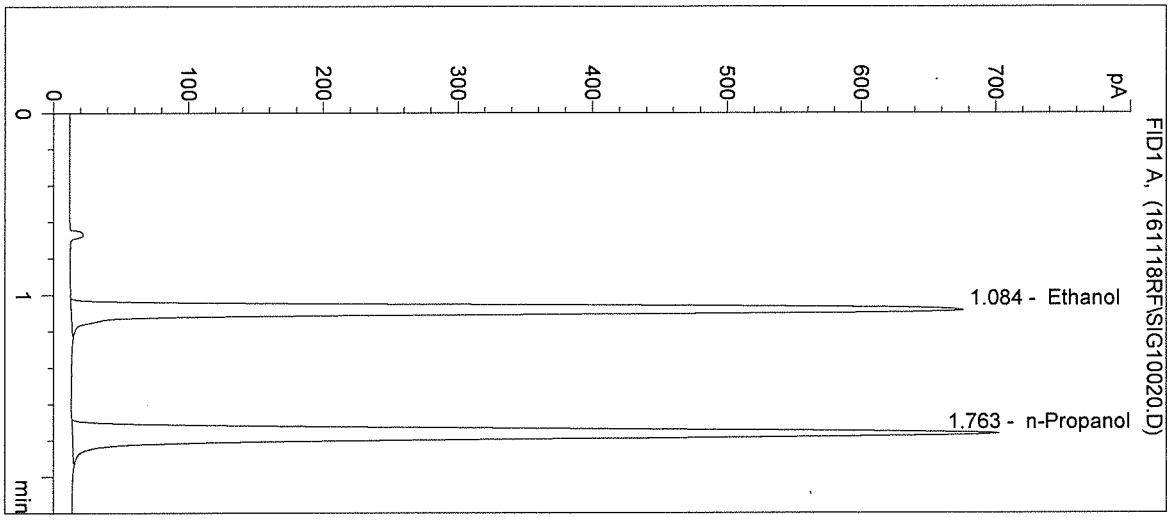


n-Propanol 0.012 g/100mL

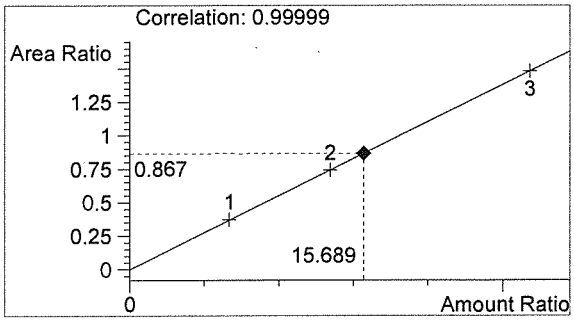
RF

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

Inj. Date: 11/18/2016 10:29:47 AM Sample Name: QAP 16048 #4
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 20
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

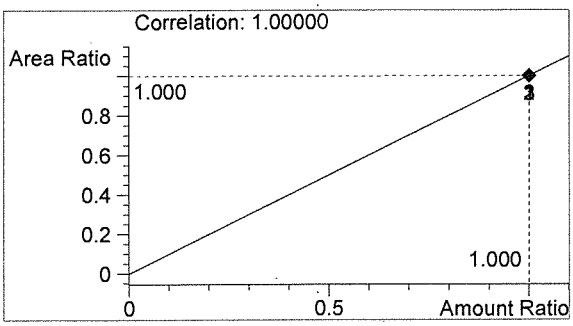


#	Compound	Peak Area	RT (min)
1	Ethanol	2249	1.084
2	n-Propanol	2594	1.763



Ethanol 0.188 g/100mL

BWD

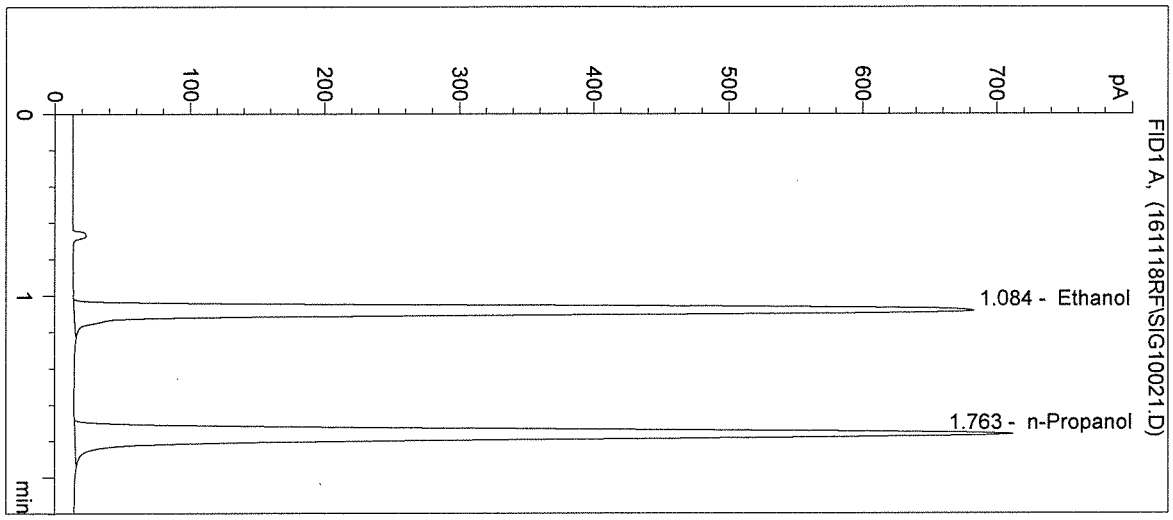


n-Propanol 0.012 g/100mL

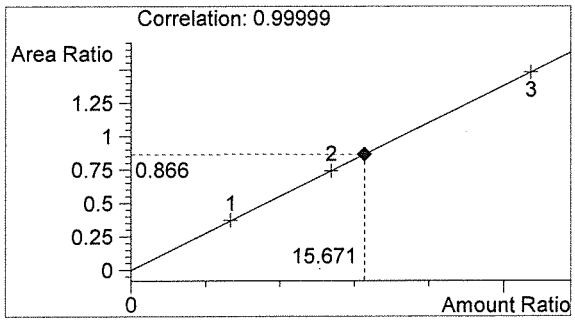
RF

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

Inj. Date: 11/18/2016 10:33:00 AM Sample Name: QAP 16048 #5
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 21
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

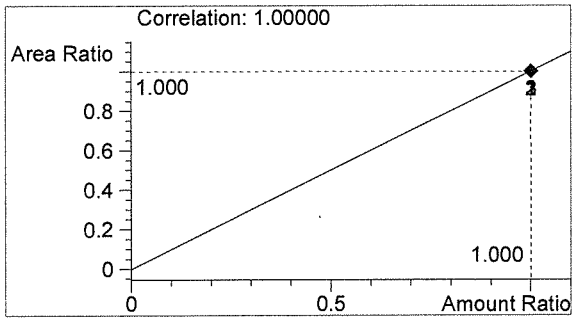


#	Compound	Peak Area	RT (min)
1	Ethanol	2273	1.084
2	n-Propanol	2624	1.763



Ethanol 0.188 g/100mL

BLD

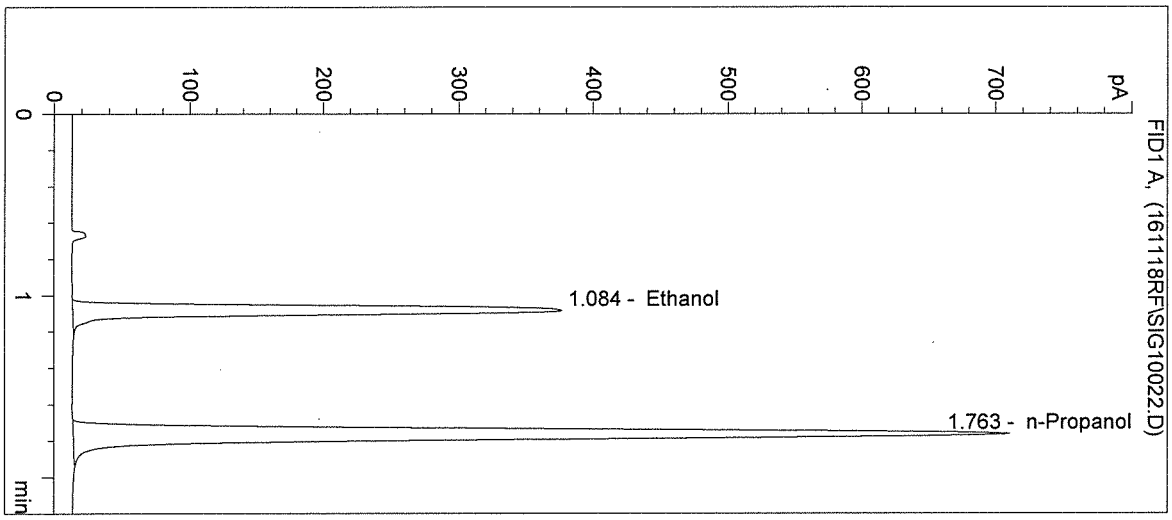


n-Propanol 0.012 g/100mL

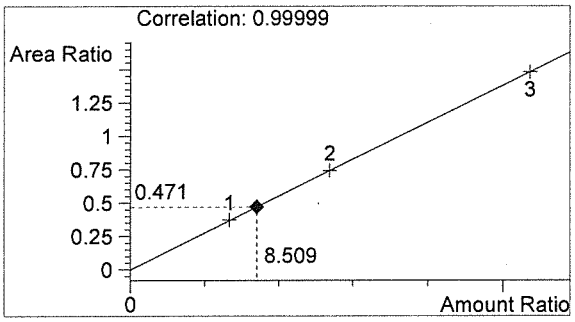
RF

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

Inj. Date: 11/18/2016 10:36:13 AM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 22
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048

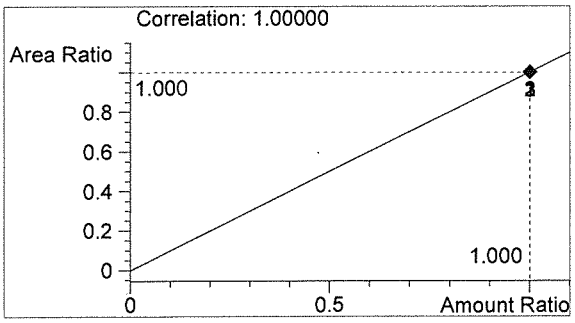


#	Compound	Peak Area	RT (min)
1	Ethanol	1233	1.084
2	n-Propanol	2619	1.763



Ethanol 0.102 g/100mL

RLW



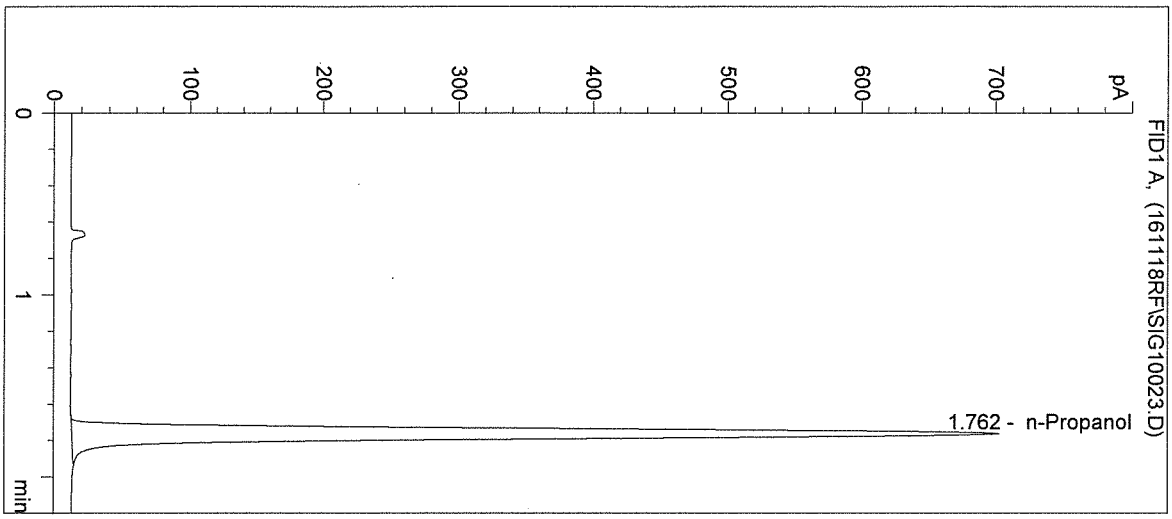
n-Propanol 0.012 g/100mL

EF

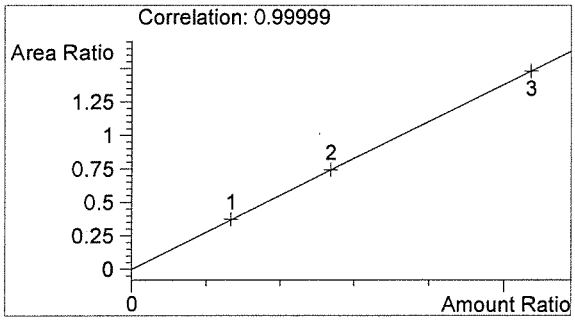
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/18/2016 10:39:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16048

Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 23

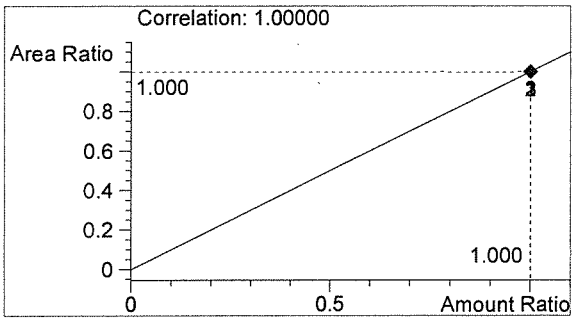


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2602	1.762



Ethanol 0.000 g/100mL

RWO



n-Propanol 0.012 g/100mL

RWO
