



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17054

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: 08/07/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Katie Harris

	KH	AG	RF
1	0.191	0.189	0.188
2	0.188	0.189	0.189
3	0.183	0.189	0.188
4	0.183	0.189	0.189
5	0.183	0.189	0.189
C	0.100	0.102	0.103

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1877 g/100mL PRECISION CV (%): 1.36
STANDARD DEVIATION: 0.00255 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: 0.1526 g/210L
EXPANDED UNCERTAINTY: ± 0.0042 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas
Brittany Thomas Forensic Scientist Supervisor

11/13/17
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:			
ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris	<i>Katie Harris</i>	08/07/2017
AG	Andrew Gingras	<i>Andrew Gingras</i>	08/16/2017
RF	Rebecca Flaherty	<i>Rebecca Flaherty</i>	08/17/2017

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 11-30-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17054

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

Comments:

Reviewer Signature:  Date: 11-30-17

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

QAP Solution Batch #: 17054

Date Prepared: 8/7/2017

Analyst:	KH	AG	RF
Date Tested:	8/7/2017	8/16/2017	8/17/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.191	0.189	0.188
2	0.188	0.189	0.189
3	0.183	0.189	0.188
4	0.183	0.189	0.189
5	0.183	0.189	0.189
C	0.100	0.102	0.103

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000122863	0.0000752486	0.0001016326

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

Average Solution Concentration: 0.1877 g/100mL
 Standard Deviation: 0.00255 g/100mL
 Precision CV (%): 1.36
 Equivalent Vapor Concentration: 0.1526 g/210L
 Combined Standard Uncertainty (\pm): 0.0021 g/210L
 Expanded Uncertainty (\pm): 0.0042 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas *Brittany Thomas* 11/8/17
 Name Signature Date

Calculations verified by: Amarda M. Black *Amarda M. Black* 11-30-17
 Name Signature Date

Method: Hand calculation

Review of batch file performed by: Brittany Thomas *Brittany Thomas* 11/8/17
 Name Signature Date

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	11/2/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy		
Katie Harris	KH	11/8/17
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty	RF	11-13-17

Batch # 17054 BS 11/8/17

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17054**

I, Katie Harris, 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 in Biochemistry and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17054, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

Katie Harris 11/8/17

Katie Harris

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17054**

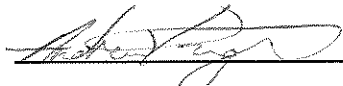
I, Andrew Gingras, do certify under penalty of perjury that:

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 17054, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

 8/9/2017

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

**0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17054**

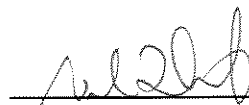
I, Rebecca Flaherty, do certify under penalty of perjury that:

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 17054, was prepared in the Washington State Toxicology Laboratory on 8/7/2017. 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 8/7/2018.

Seattle, WA

 _____ 11/13/2017

Rebecca Flaherty
Forensic Scientist

Date



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

Preparation Date: 8/7/17 Expiration Date: 8/7/18 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 1FF0202

Date the 200-proof Ethanol bottle was opened: 5/9/17

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	<input checked="" type="checkbox"/>	<u>17051</u>
QAP 0.08	22.4	18	<input checked="" type="checkbox"/>	<u>17052</u>
QAP 0.10	28.1	18	<input checked="" type="checkbox"/>	<u>17053</u>
QAP 0.15	42.1	18	<input checked="" type="checkbox"/>	<u>17054</u>
QAP 0.20	56.1	18	<input checked="" type="checkbox"/>	<u>17055</u>
ESS	66.5	52	<input type="checkbox"/>	<u> </u>

Stir bar is rotating

Stirred for minimum 30 minutes; 2 hours for ESS

Spigot purged

Aliquot taken

Batch labeled, packaged and sealed Date 8/7/17

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: _____

Katie Harris
Analyst Signature

8/7/17
Date

17054
KH
11/8/17

Sequence Parameters:

Operator: Katie Harris
 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: 170807KH
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0717-01 - X: 01/27/18
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18
 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

n-Propanol ISTD - Lot: P0717 - X: 10/20/17

Calibration vials 1-9 filed with 17051

Diluter #2

Peaks present at
 RT 0.746 are
 extraneous and
 have no effect on
 results for ethanol
 & n-propanol.
 KH 11/8/17

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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

17054

BX
 11/8/17

KH

KH

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17054

PT
11/18/17

KW

KW

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

Inj. Date: 8/7/2017 11:53:37 AM

Sample Name: 17054-1

Instrument: HSGC#1

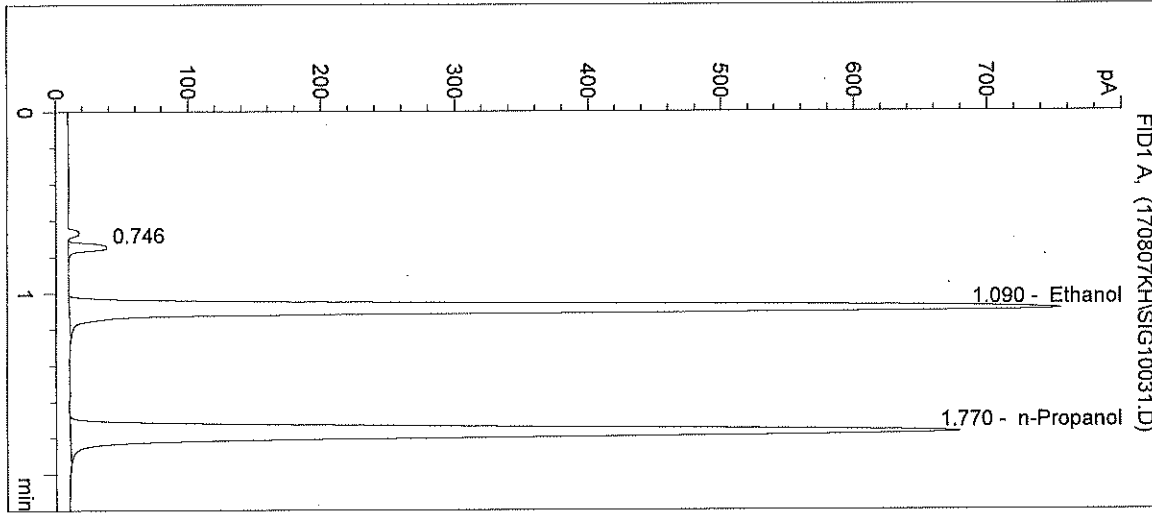
Operator: Katie Harris

Column: DB-ALC1

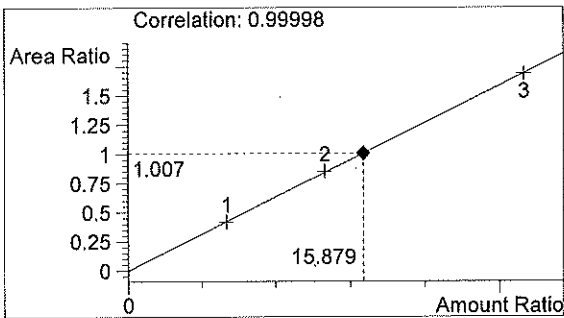
Location: Vial 31

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

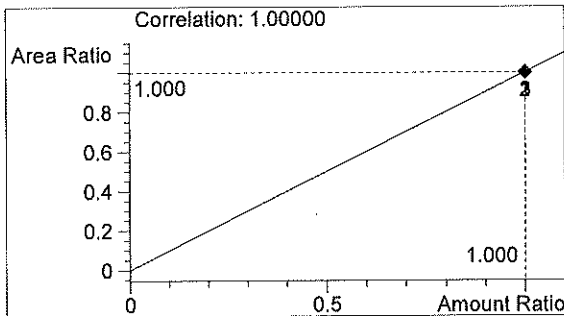
Sample Info:



#	Compound	Peak Area	RT (min)
1		79	0.746
2	Ethanol	2583	1.090
3	n-Propanol	2565	1.770



Ethanol 0.191 g/100mL *PK*



n-Propanol 0.012 g/100mL

KW

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

Inj. Date: 8/7/2017 11:56:50 AM

Sample Name: 17054-2

Instrument: HSGC#1

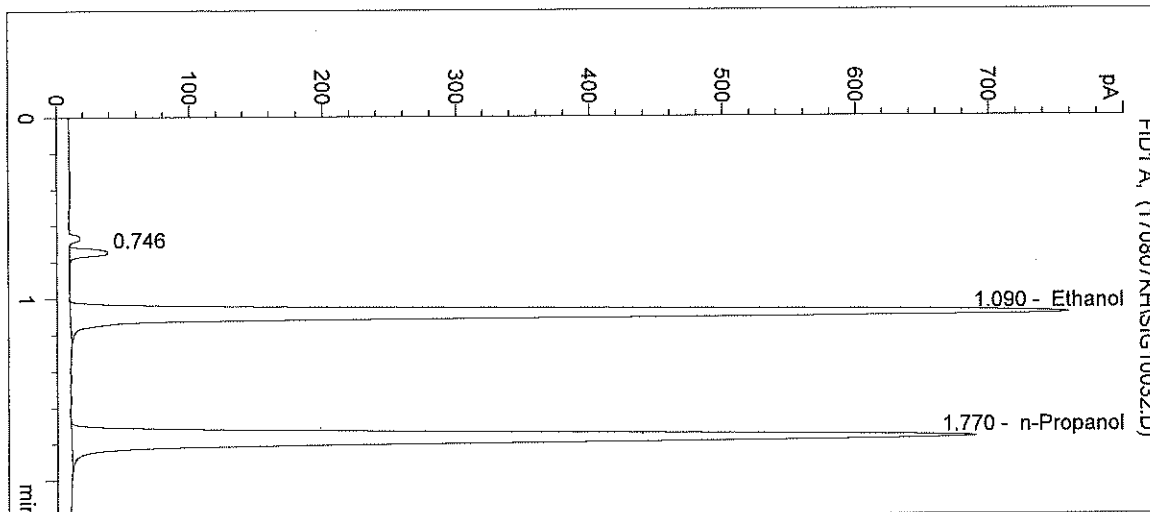
Operator: Katie Harris

Column: DB-ALC1

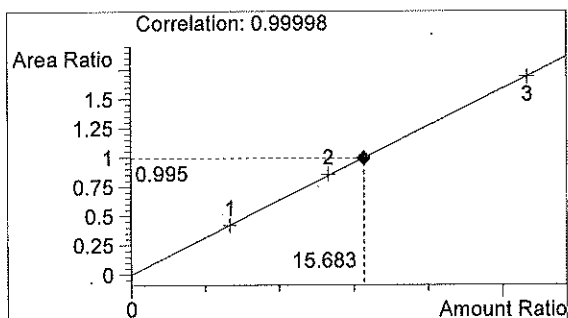
Location: Vial 32

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

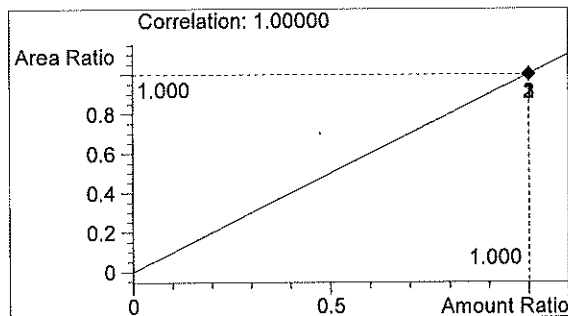
Sample Info:



#	Compound	Peak Area	RT (min)
1		78	0.746
2	Ethanol	2597	1.090
3	n-Propanol	2611	1.770



Ethanol 0.188 g/100mL *pot*



n-Propanol 0.012 g/100mL

KW

Inj. Date: 8/7/2017 12:00:04 PM

Sample Name: 17054-3

Instrument: HSGC#1

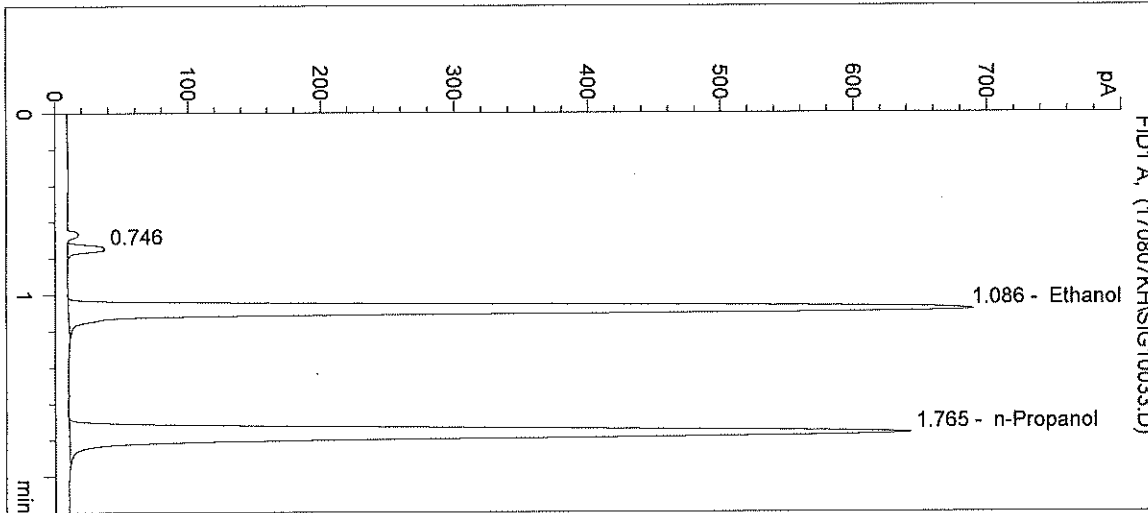
Operator: Katie Harris

Column: DB-ALC1

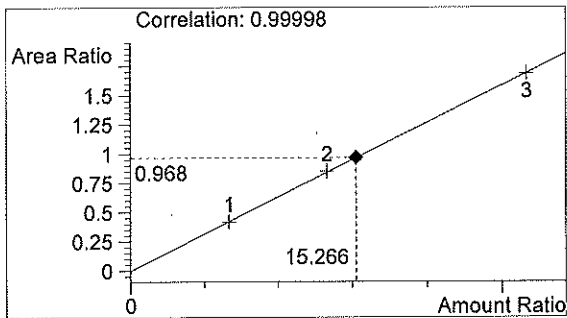
Location: Vial 33

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

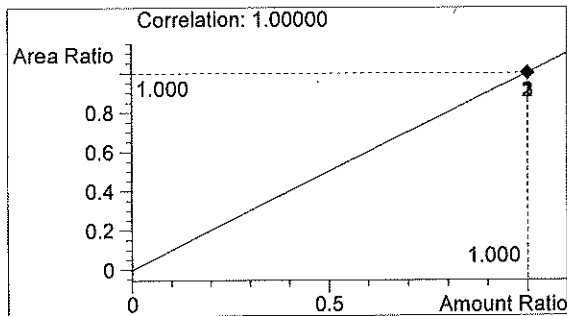
Sample Info:



#	Compound	Peak Area	RT (min)
1		76	0.746
2	Ethanol	2307	1.086
3	n-Propanol	2383	1.765



Ethanol 0.183 g/100mL *pd*



n-Propanol 0.012 g/100mL

KW

Inj. Date: 8/7/2017 12:03:17 PM

Sample Name: 17054-4

Instrument: HSGC#1

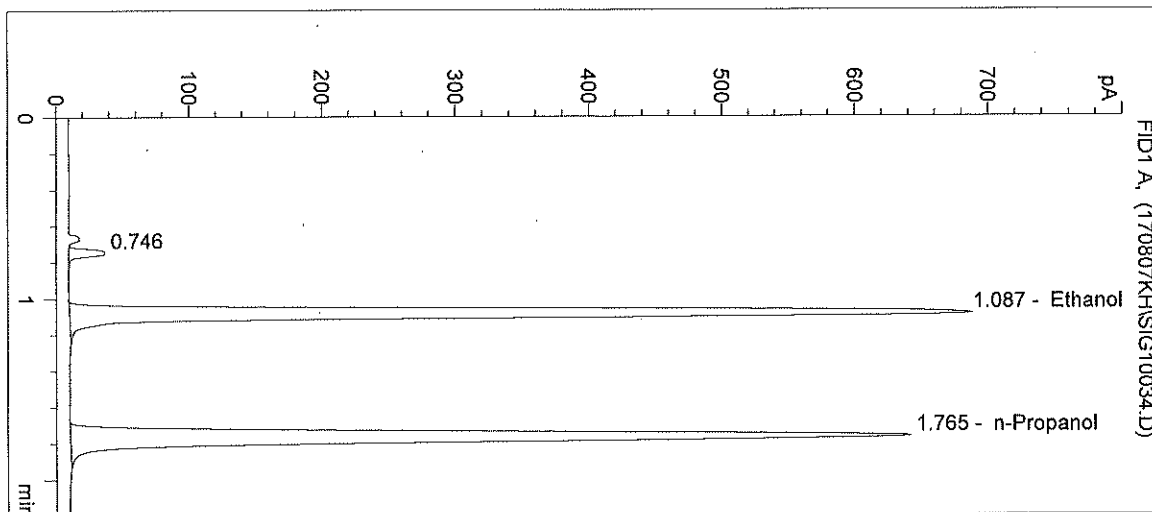
Operator: Katie Harris

Column: DB-ALC1

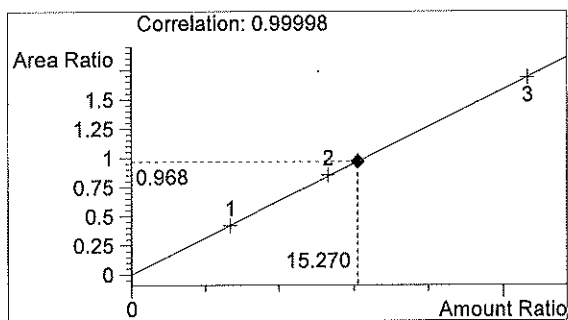
Location: Vial 34

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

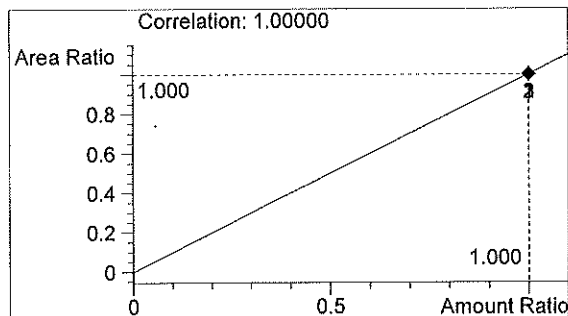
Sample Info:



#	Compound	Peak Area	RT (min)
1		74	0.746
2	Ethanol	2309	1.087
3	n-Propanol	2384	1.765



Ethanol 0.183 g/100mL *pot*



n-Propanol 0.012 g/100mL

KW

Inj. Date: 8/7/2017 12:06:30 PM

Sample Name: 17054-5

Instrument: HSGC#1

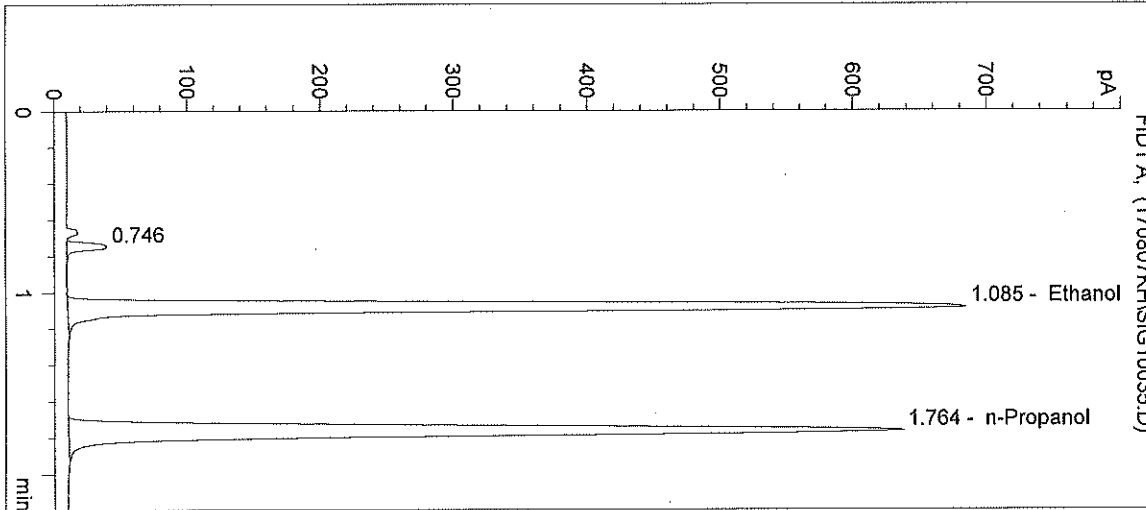
Operator: Katie Harris

Column: DB-ALC1

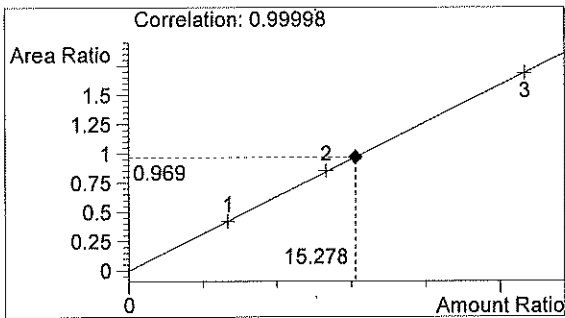
Location: Vial 35

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

Sample Info:

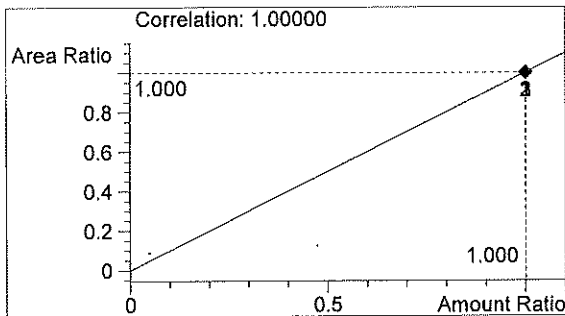


#	Compound	Peak Area	RT (min)
1		81	0.746
2	Ethanol	2285	1.085
3	n-Propanol	2358	1.764



Ethanol 0.183 g/100mL

POX



n-Propanol 0.012 g/100mL

KW

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

Inj. Date: 8/7/2017 12:09:44 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

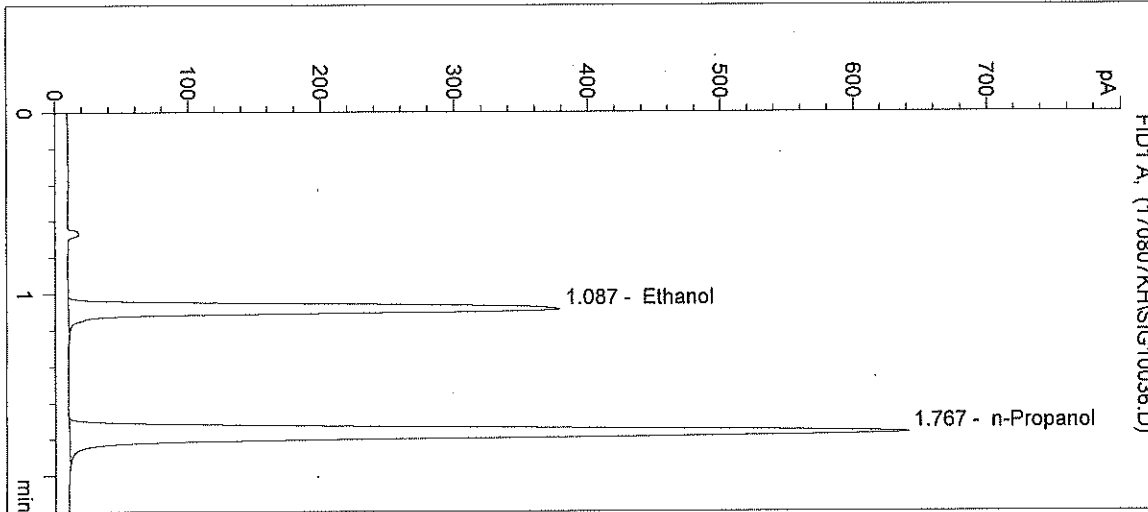
Operator: Katie Harris

Column: DB-ALC1

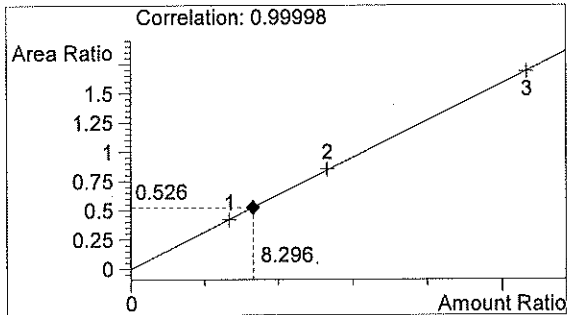
Location: Vial 36

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

Sample Info: POS CTRL: 0.10 g/100mL
 17054

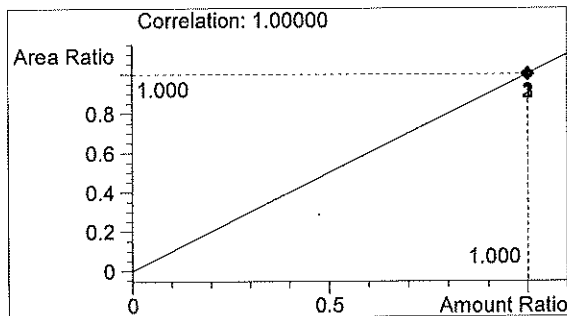


#	Compound	Peak Area	RT (min)
1	Ethanol	1256	1.087
2	n-Propanol	2386	1.767



Ethanol 0.100 g/100mL

PK



n-Propanol 0.012 g/100mL

KH

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

Inj. Date: 8/7/2017 12:12:57 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

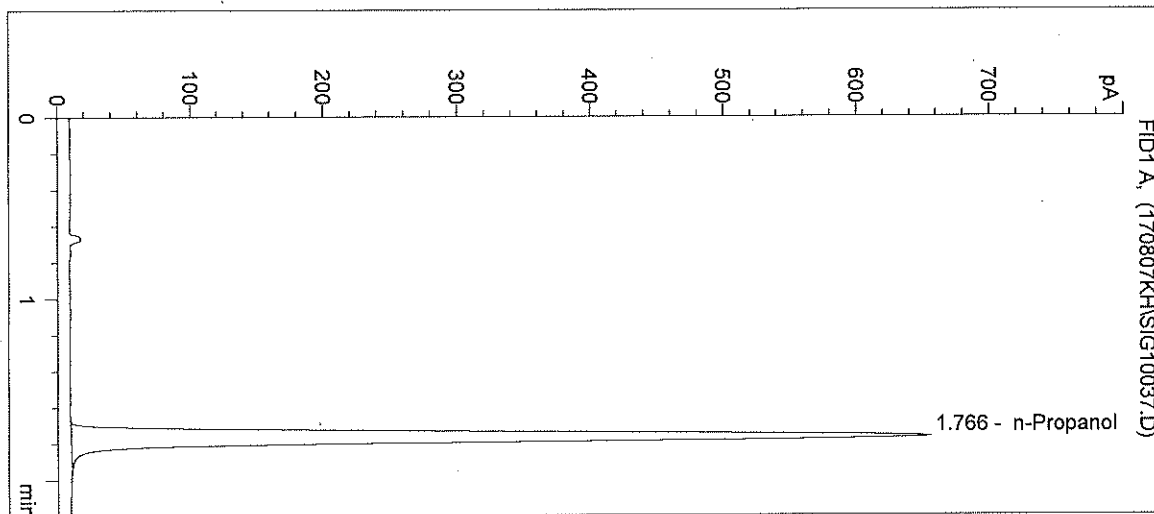
Operator: Katie Harris

Column: DB-ALC1

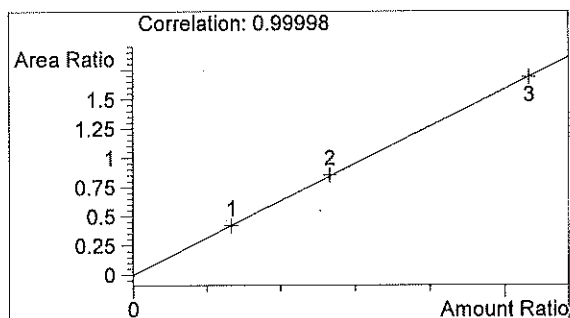
Location: Vial 37

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

Sample Info: 17054

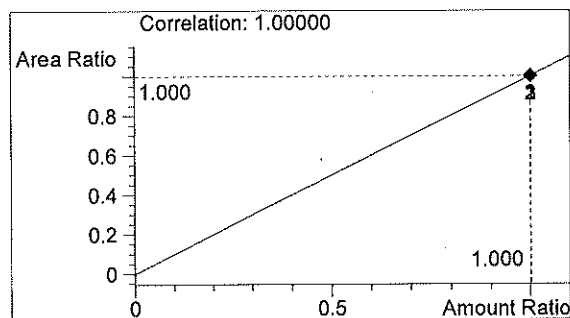


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2450	1.766



Ethanol 0.000 g/100mL

Box



n-Propanol 0.012 g/100mL

KH

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: 170816AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0717-01 - X: 01/27/18
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18

 CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

 n-Propanol ISTD - Lot: P0717 - X: 10/20/17

 Calibration vials 1-9 filed with 17051

 Diluter #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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

17054

But
11/8/19

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

POS 11/8/17
17054

17054
POS
11/8/17

[Handwritten signature]

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

Inj. Date: 8/16/2017 9:15:37 AM

Sample Name: 17054-1

Instrument: HSGC#1

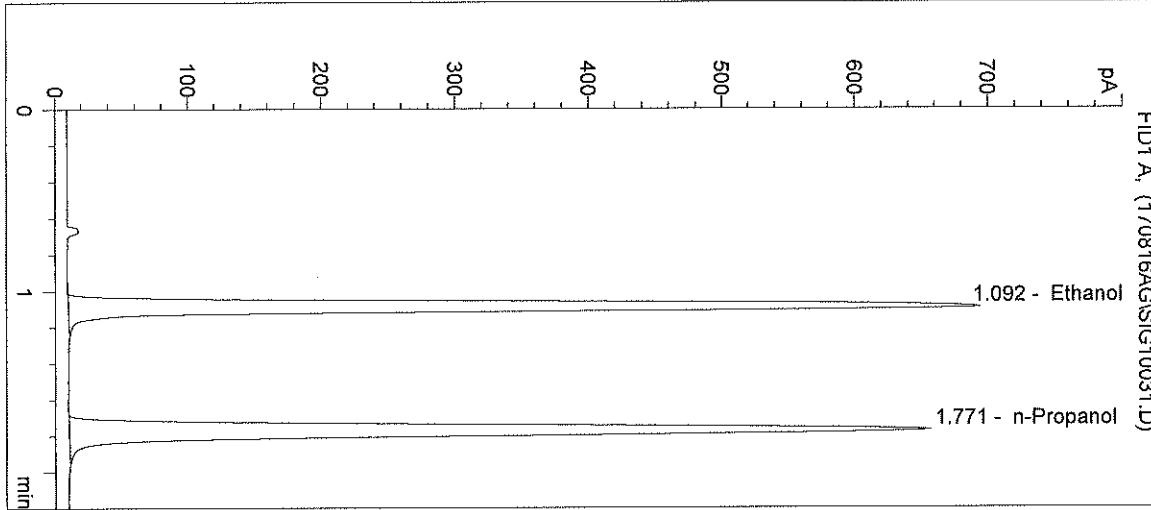
Operator: Andrew Gingras

Column: DB-ALC1

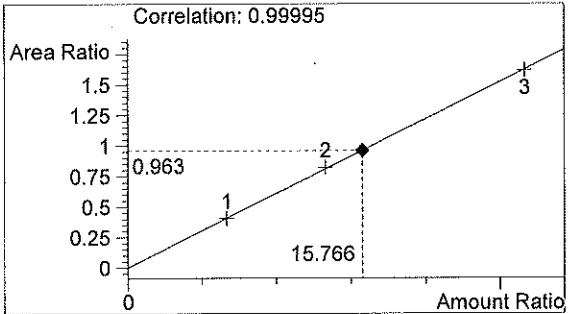
Location: Vial 31

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

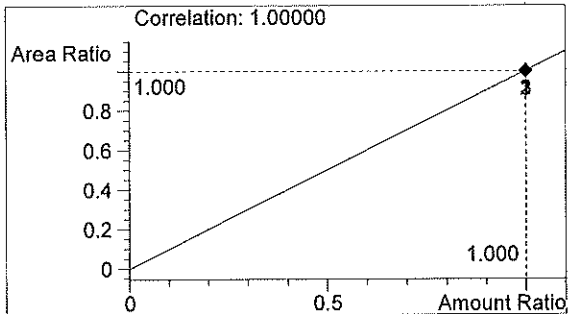
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2465	1.092
2	n-Propanol	2561	1.771



Ethanol 0.189 g/100mL *OK*



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 8/16/2017 9:18:51 AM

Sample Name: 17054-2

Instrument: HSGC#1

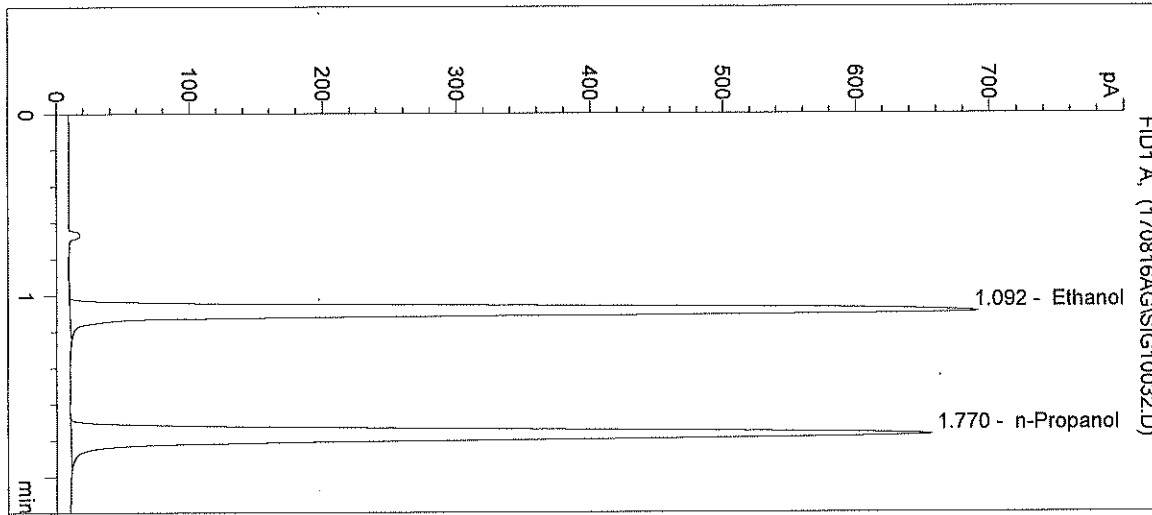
Operator: Andrew Gingras

Column: DB-ALC1

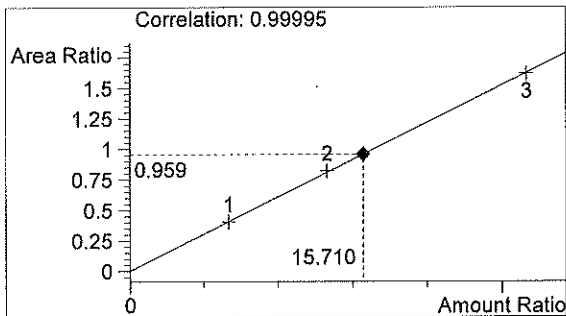
Location: Vial 32

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

Sample Info:

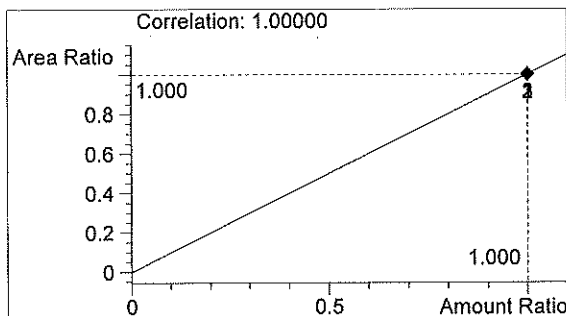


#	Compound	Peak Area	RT (min)
1	Ethanol	2455	1.092
2	n-Propanol	2559	1.770



Ethanol 0.189 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 8/16/2017 9:22:04 AM

Sample Name: 17054-3

Instrument: HSGC#1

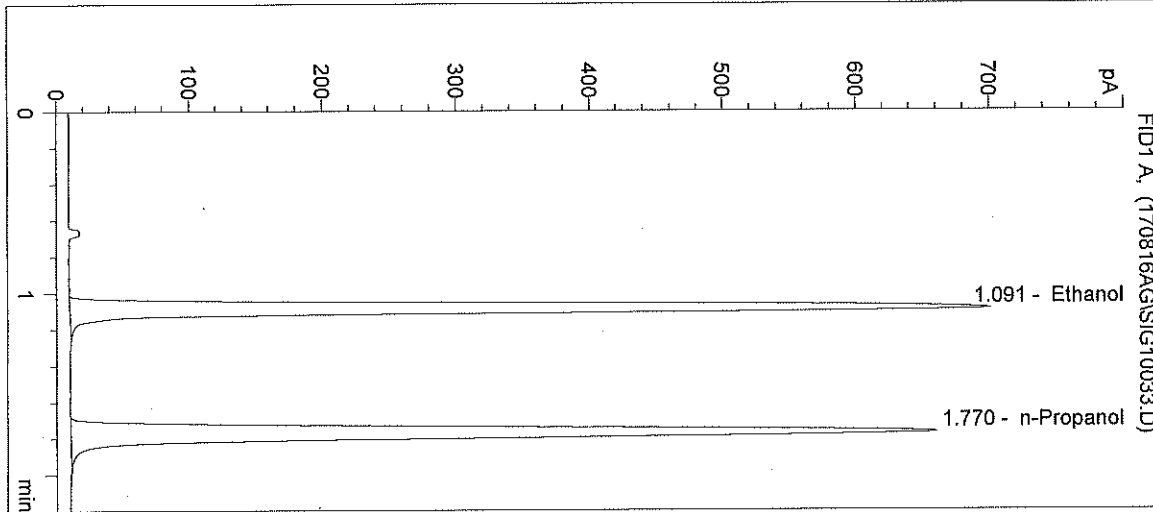
Operator: Andrew Gingras

Column: DB-ALC1

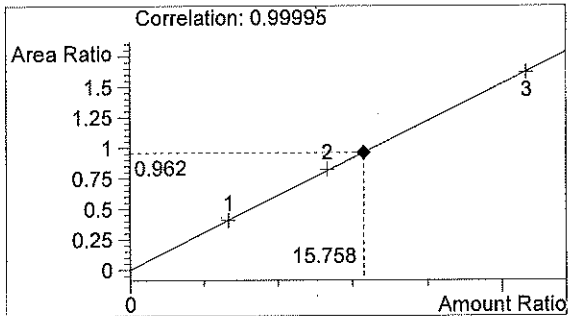
Location: Vial 33

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

Sample Info:

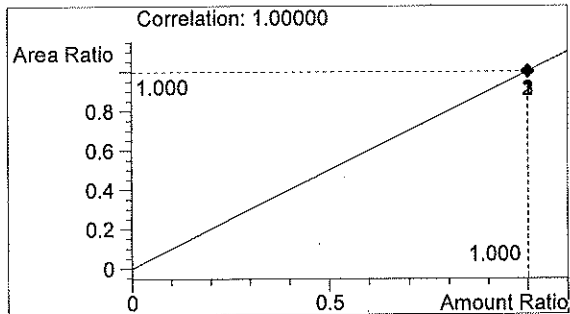


#	Compound	Peak Area	RT (min)
1	Ethanol	2477	1.091
2	n-Propanol	2574	1.770



Ethanol 0.189 g/100mL

DA



n-Propanol 0.012 g/100mL

AS

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

Inj. Date: 8/16/2017 9:25:17 AM

Sample Name: 17054-4

Instrument: HSGC#1

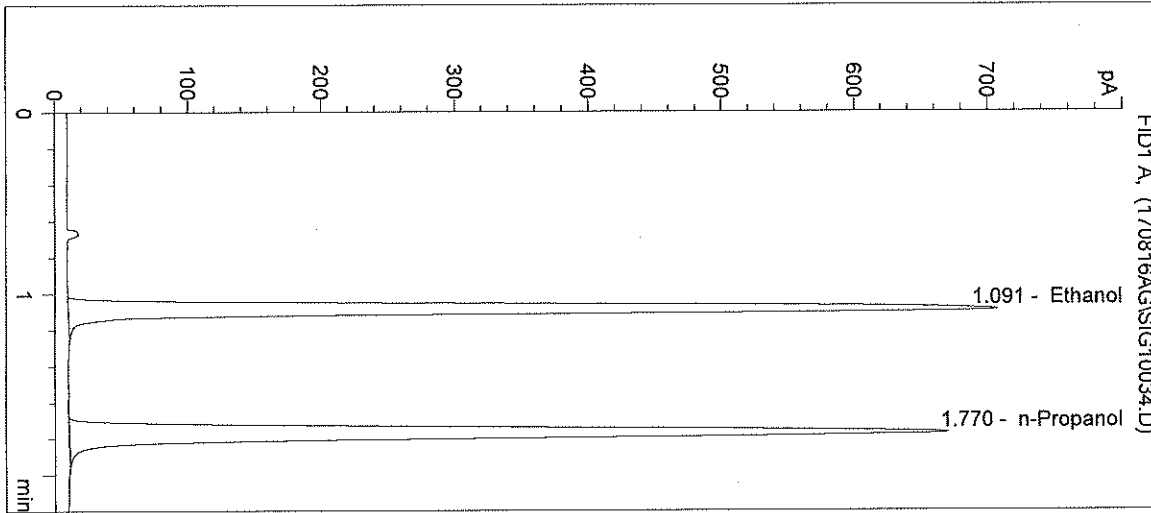
Operator: Andrew Gingras

Column: DB-ALC1

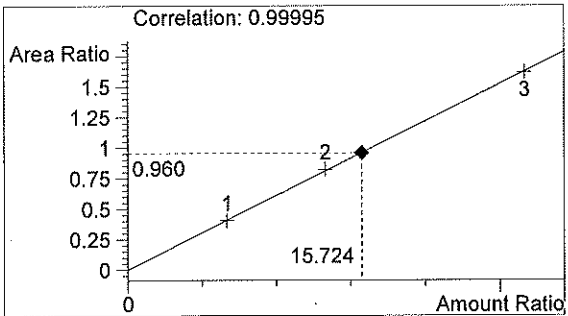
Location: Vial 34

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

Sample Info:

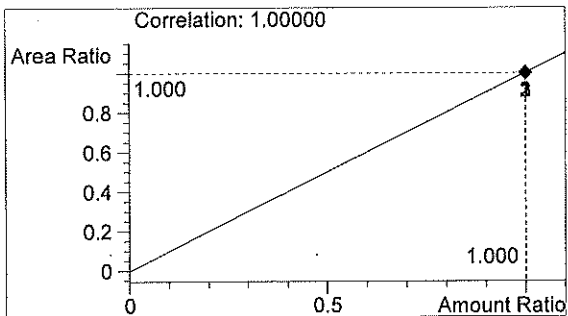


#	Compound	Peak Area	RT (min)
1	Ethanol	2507	1.091
2	n-Propanol	2611	1.770



Ethanol 0.189 g/100mL

DK



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 8/16/2017 9:28:31 AM

Sample Name: 17054-5

Instrument: HSGC#1

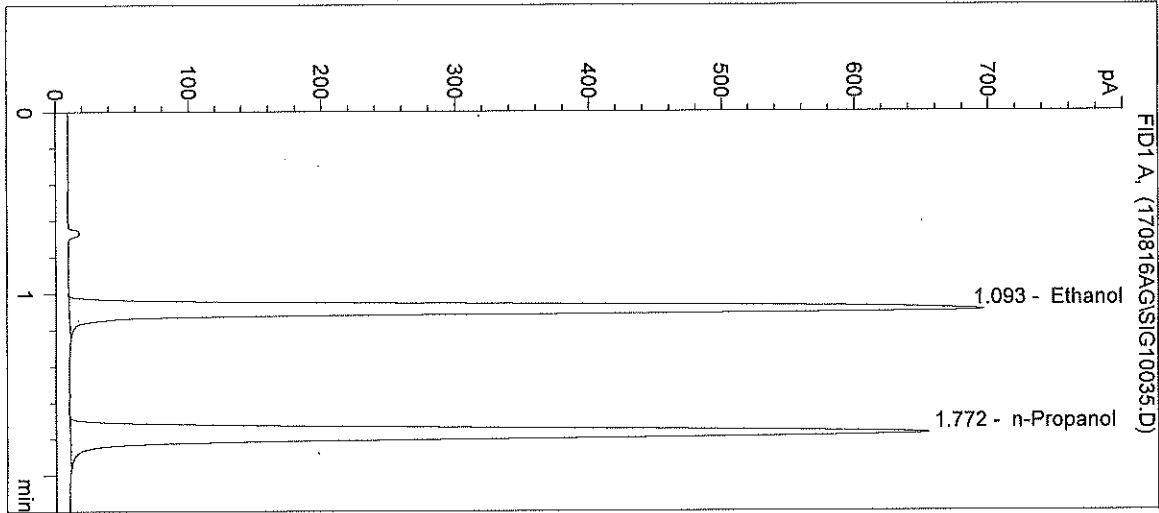
Operator: Andrew Gingras

Column: DB-ALC1

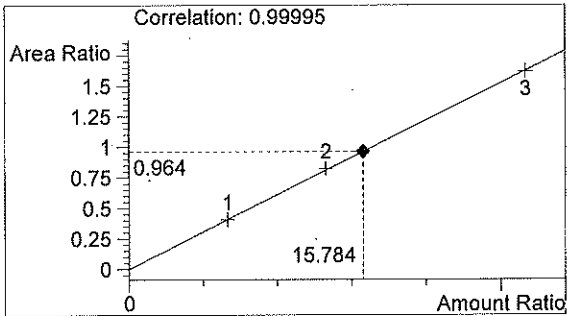
Location: Vial 35

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

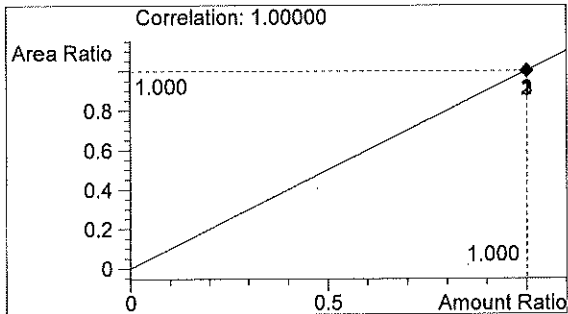
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2480	1.093
2	n-Propanol	2573	1.772



Ethanol 0.189 g/100mL *Box*



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 8/16/2017 9:31:44 AM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

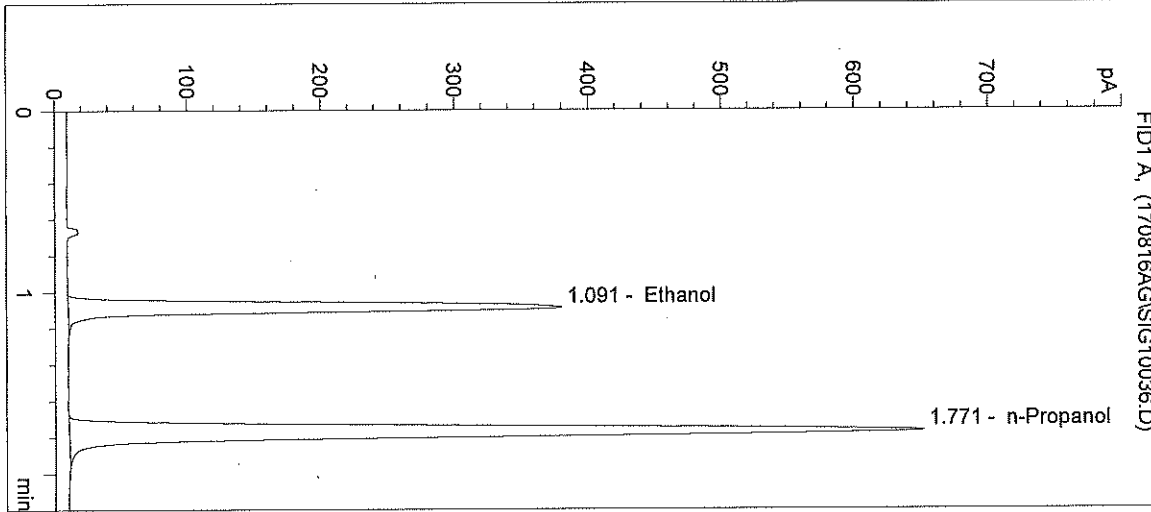
Operator: Andrew Gingras

Column: DB-ALC1

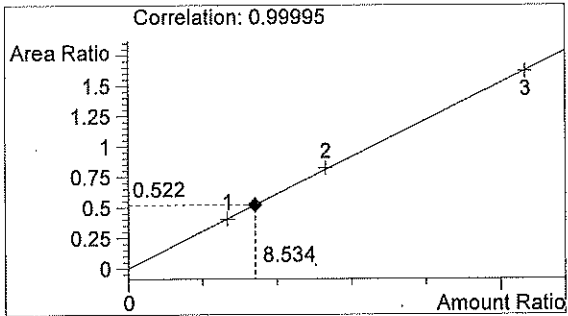
Location: Vial 36

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

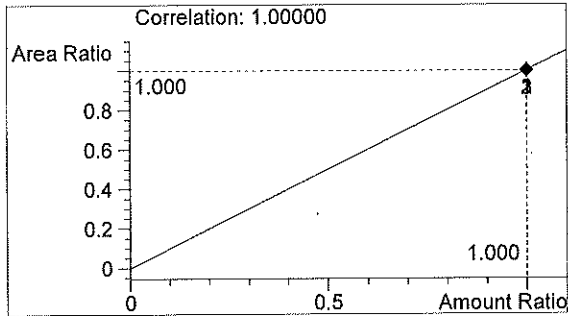
Sample Info: POS CTRL: 0.10 g/100mL
 17054



#	Compound	Peak Area	RT (min)
1	Ethanol	1325	1.091
2	n-Propanol	2536	1.771



Ethanol 0.102 g/100mL *BT*



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 8/16/2017 9:34:56 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

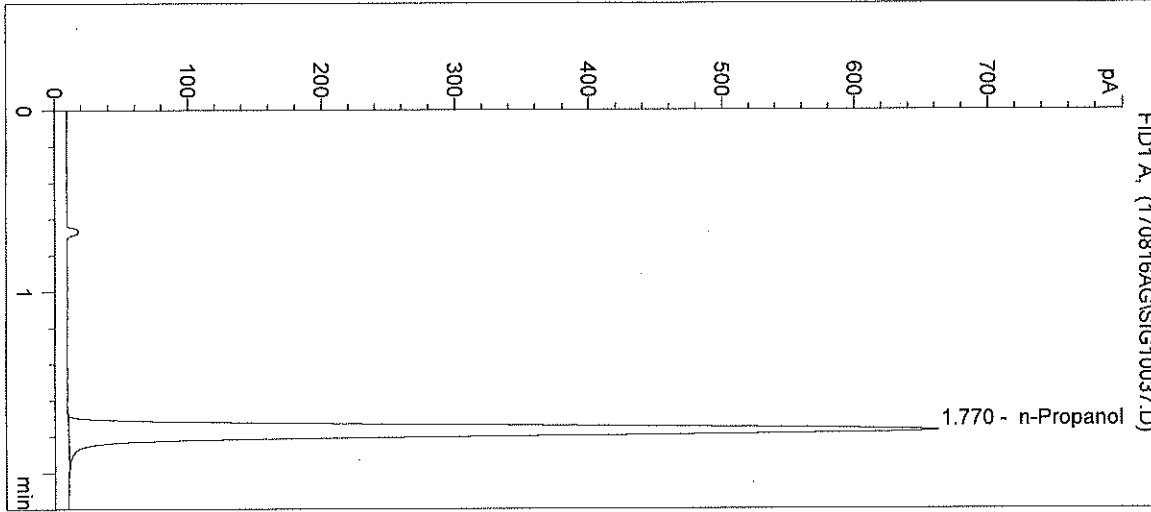
Operator: Andrew Gingras

Column: DB-ALC1

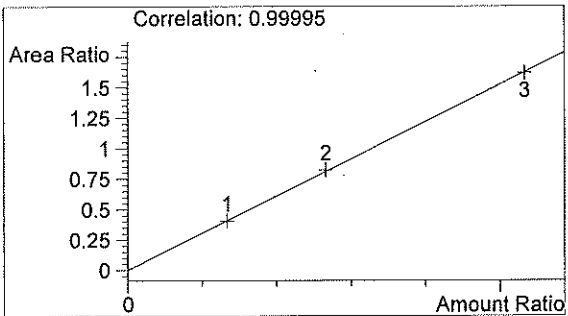
Location: Vial 37

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

Sample Info: 17054

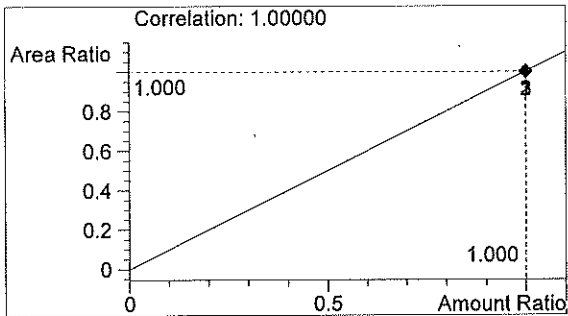


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2585	1.770



Ethanol 0.000 g/100mL

PN



n-Propanol 0.012 g/100mL

AG

Sequence Parameters:

Operator: Rebecca Flaherty
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 170817RF
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0717-01 - X: 01/27/18
 CAL 2: 0.158 g/100mL - Lot: E0717-02 - X: 01/27/18
 CAL 3: 0.316 g/100mL - Lot: E0717-03 - X: 01/27/18

CTRL 1: 0.04 g/100mL - Lot: FN12181501 - X: 12/2020
 CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
 CTRL 3: 0.20 g/100mL - Lot: FN08101505 - X: 02/2021

n-Propanol ISTD - Lot: P0717 - X: 10/20/17

Calibration vials 1-9 filed with 17051

Diluter #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	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17051-1	SIMALC1	1	Sample		
11	Vial 11	17051-2	SIMALC1	1	Sample		
12	Vial 12	17051-3	SIMALC1	1	Sample		
13	Vial 13	17051-4	SIMALC1	1	Sample		
14	Vial 14	17051-5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17052-1	SIMALC1	1	Sample		
18	Vial 18	17052-2	SIMALC1	1	Sample		
19	Vial 19	17052-3	SIMALC1	1	Sample		
20	Vial 20	17052-4	SIMALC1	1	Sample		
21	Vial 21	17052-5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

17054

PT
11/8/17

RF

RF

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17053-1	SIMALC1	1	Sample		
25	Vial 25	17053-2	SIMALC1	1	Sample		
26	Vial 26	17053-3	SIMALC1	1	Sample		
27	Vial 27	17053-4	SIMALC1	1	Sample		
28	Vial 28	17053-5	SIMALC1	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17054-1	SIMALC1	1	Sample		
32	Vial 32	17054-2	SIMALC1	1	Sample		
33	Vial 33	17054-3	SIMALC1	1	Sample		
34	Vial 34	17054-4	SIMALC1	1	Sample		
35	Vial 35	17054-5	SIMALC1	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17055-1	SIMALC1	1	Sample		
39	Vial 39	17055-2	SIMALC1	1	Sample		
40	Vial 40	17055-3	SIMALC1	1	Sample		
41	Vial 41	17055-4	SIMALC1	1	Sample		
42	Vial 42	17055-5	SIMALC1	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17054
RF
11/8/17

RF

RF

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

Inj. Date: 8/17/2017 1:18:40 PM

Sample Name: 17054-1

Instrument: HSGC#1

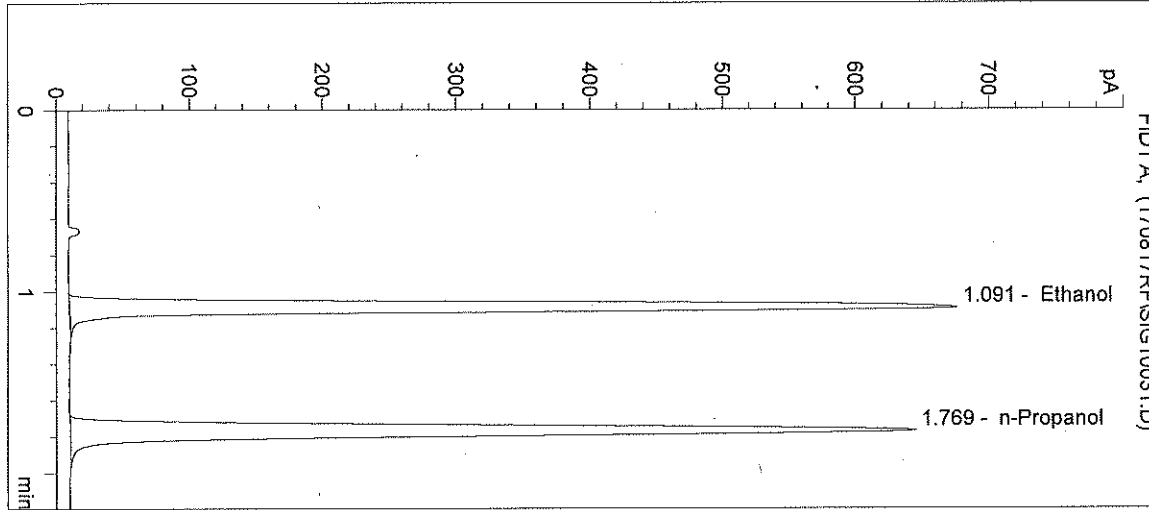
Operator: Rebecca Flaherty

Column: DB-ALC1

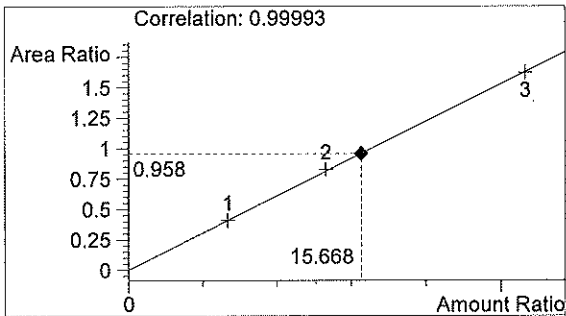
Location: Vial 31

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

Sample Info:

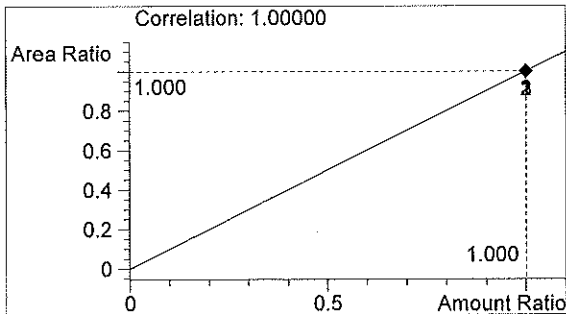


#	Compound	Peak Area	RT (min)
1	Ethanol	2398	1.091
2	n-Propanol	2503	1.769



Ethanol 0.188 g/100mL

POT



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 8/17/2017 1:21:53 PM

Sample Name: 17054-2

Instrument: HSGC#1

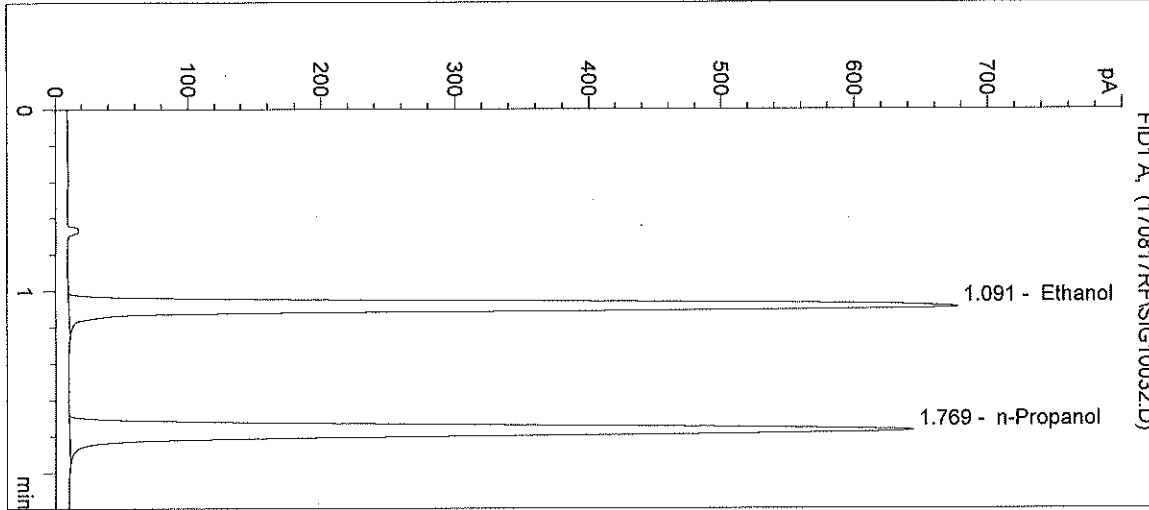
Operator: Rebecca Flaherty

Column: DB-ALC1

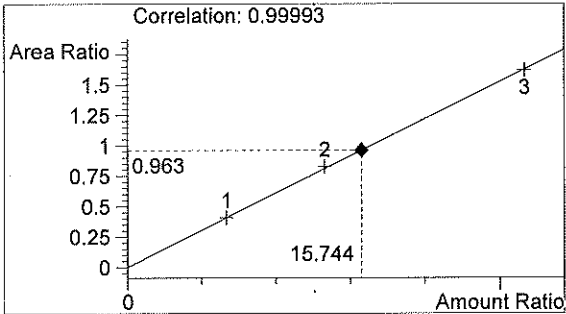
Location: Vial 32

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

Sample Info:

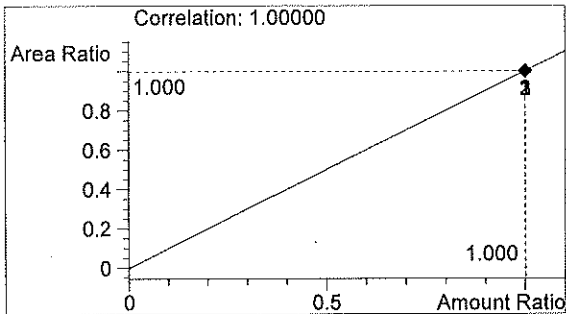


#	Compound	Peak Area	RT (min)
1	Ethanol	2403	1.091
2	n-Propanol	2496	1.769



Ethanol 0.189 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 8/17/2017 1:25:06 PM

Sample Name: 17054-3

Instrument: HSGC#1

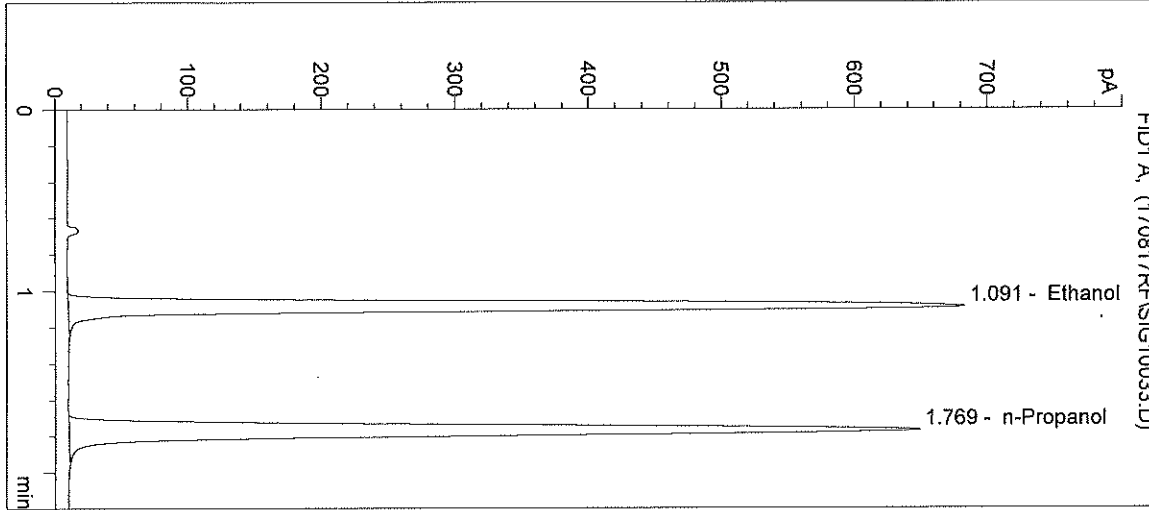
Operator: Rebecca Flaherty

Column: DB-ALC1

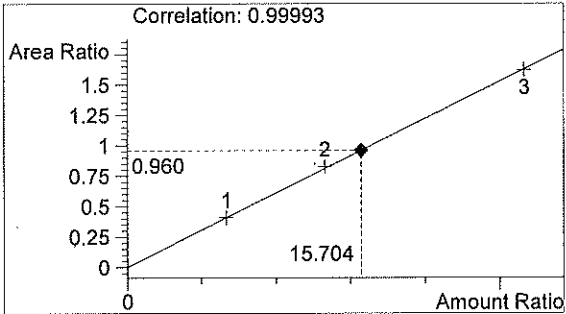
Location: Vial 33

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

Sample Info:

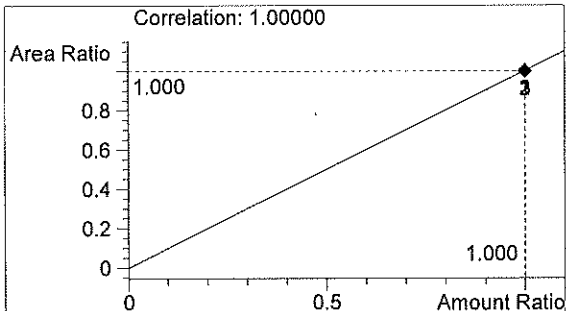


#	Compound	Peak Area	RT (min)
1	Ethanol	2419	1.091
2	n-Propanol	2519	1.769



Ethanol 0.188 g/100mL

RF

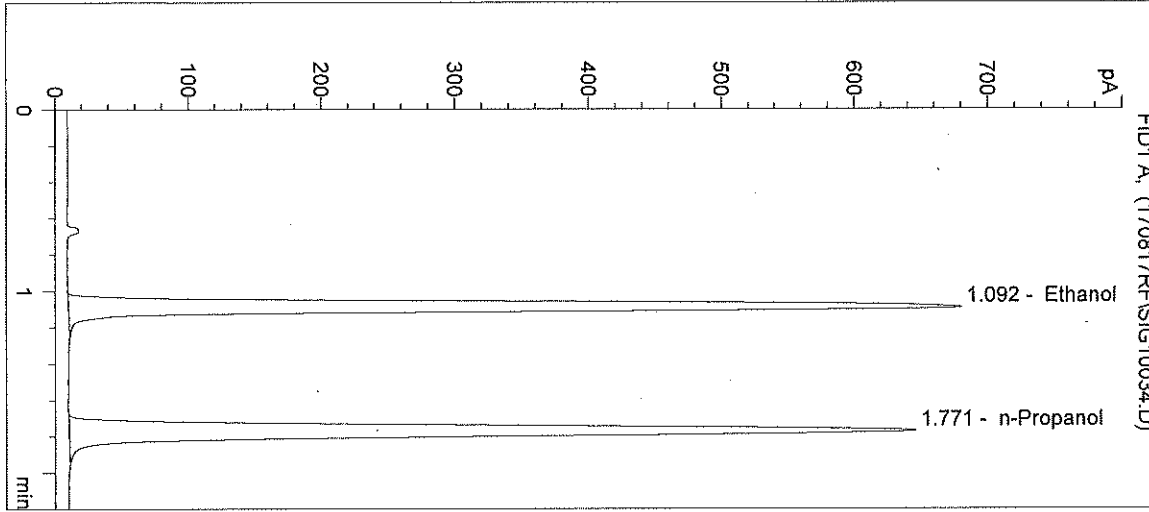


n-Propanol 0.012 g/100mL

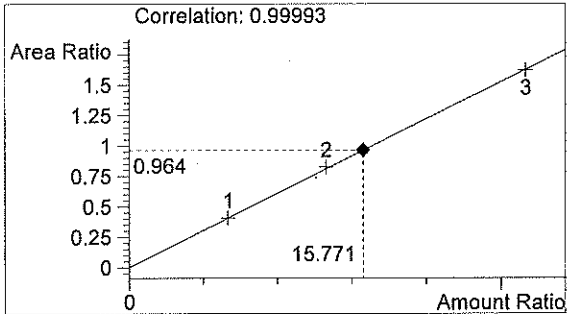
RF

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

Inj. Date: 8/17/2017 1:28:20 PM Sample Name: 17054-4
 Instrument: HSGC#1 Operator: Rebecca Flaherty
 Column: DB-ALC1 Location: Vial 34
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

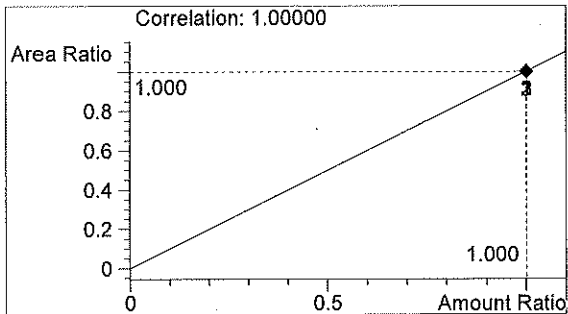


#	Compound	Peak Area	RT (min)
1	Ethanol	2432	1.092
2	n-Propanol	2522	1.771



Ethanol 0.189 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 8/17/2017 1:31:33 PM

Sample Name: 17054-5

Instrument: HSGC#1

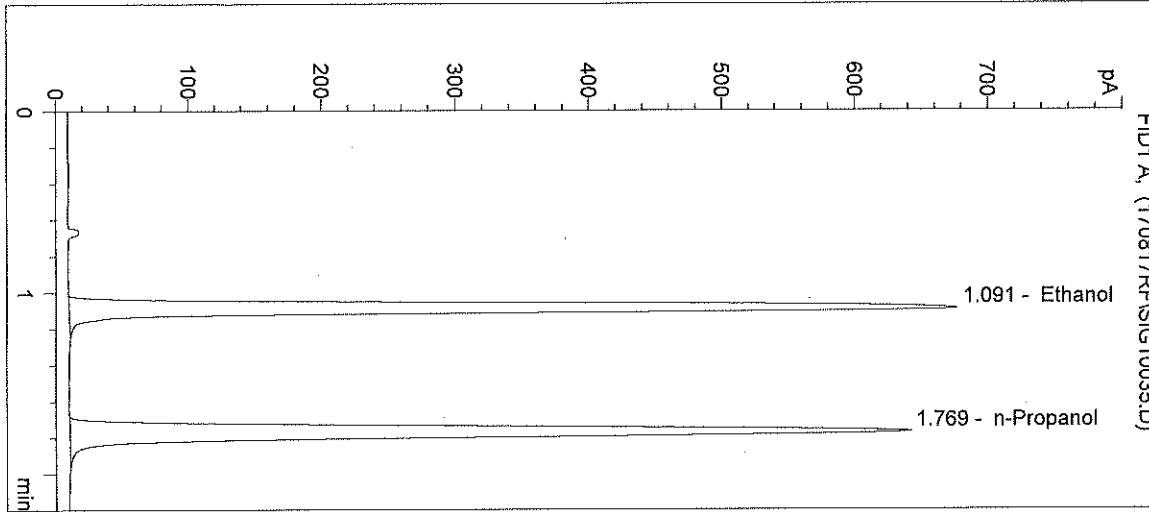
Operator: Rebecca Flaherty

Column: DB-ALC1

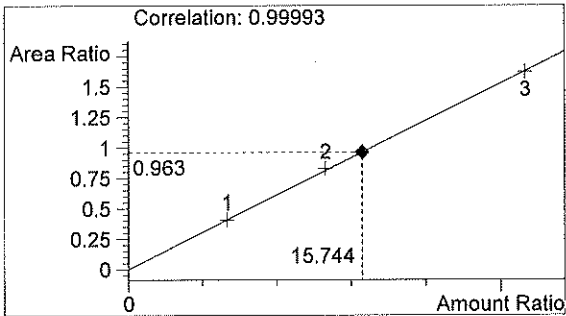
Location: Vial 35

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

Sample Info:

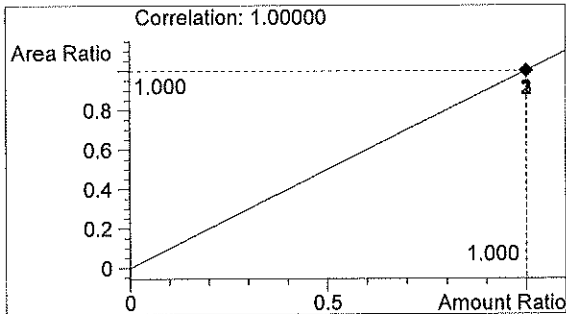


#	Compound	Peak Area	RT (min)
1	Ethanol	2399	1.091
2	n-Propanol	2492	1.769



Ethanol 0.189 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 8/17/2017 1:34:47 PM

Sample Name: POS CTRL (0.10)

Instrument: HSGC#1

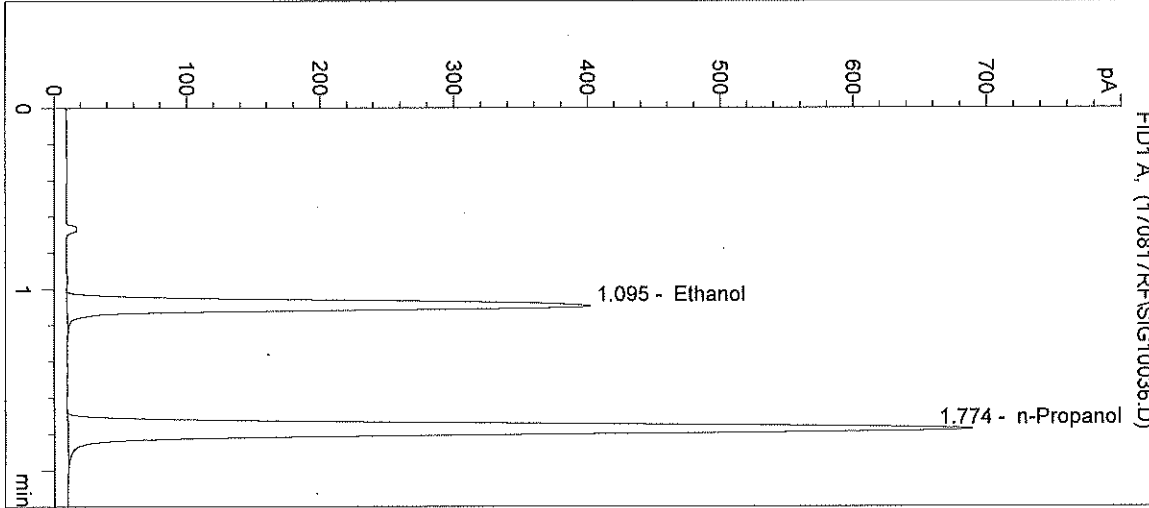
Operator: Rebecca Flaherty

Column: DB-ALC1

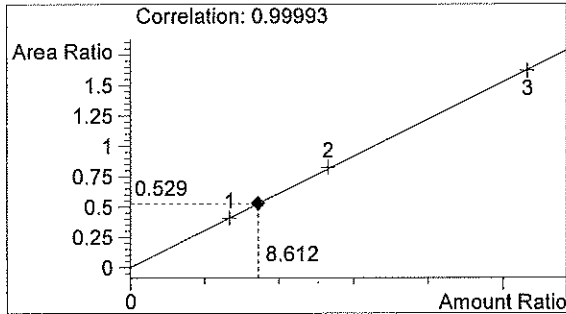
Location: Vial 36

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

Sample Info: POS CTRL: 0.10 g/100mL
 17054

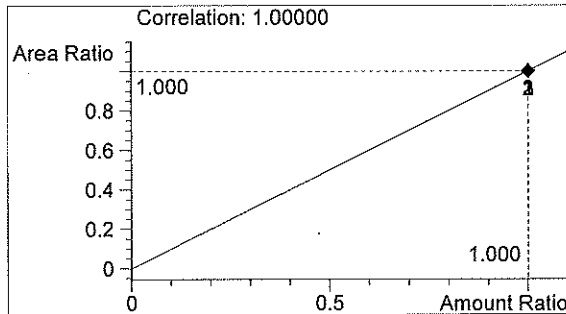


#	Compound	Peak Area	RT (min)
1	Ethanol	1442	1.095
2	n-Propanol	2727	1.774



Ethanol 0.103 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 8/17/2017 1:38:00 PM

Sample Name: NEG CTRL

Instrument: HSGC#1

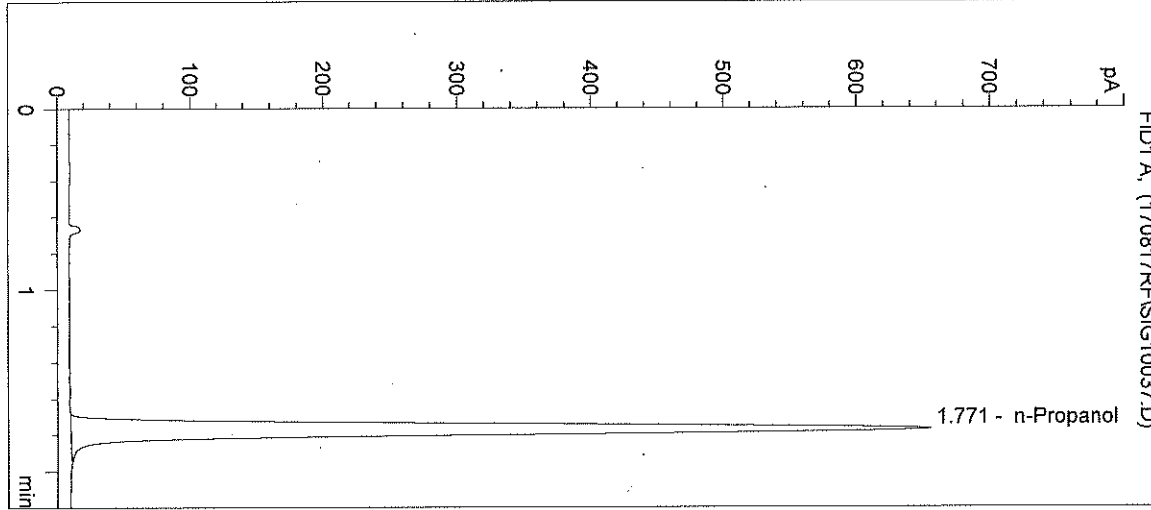
Operator: Rebecca Flaherty

Column: DB-ALC1

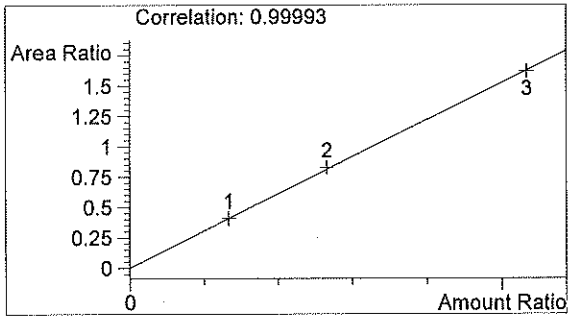
Location: Vial 37

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

Sample Info: 17054

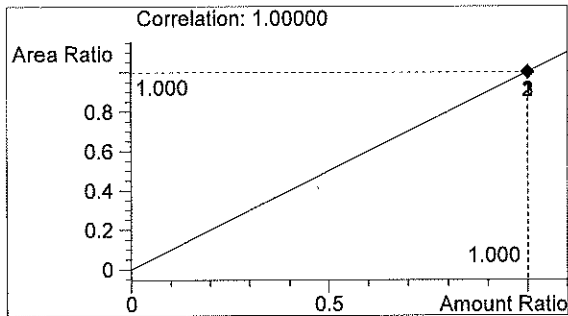


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2567	1.771



Ethanol 0.000 g/100mL

RA



n-Propanol 0.012 g/100mL

RA