



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17040

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: 0.08 g/210L
DATE PREPARED: 05/08/2017
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Rebecca Flaherty

| | RF | CM | AG |
|---|-------|-------|-------|
| 1 | 0.099 | 0.099 | 0.098 |
| 2 | 0.100 | 0.099 | 0.099 |
| 3 | 0.100 | 0.099 | 0.099 |
| 4 | 0.099 | 0.101 | 0.099 |
| 5 | 0.099 | 0.100 | 0.099 |
| C | 0.102 | 0.101 | 0.101 |

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

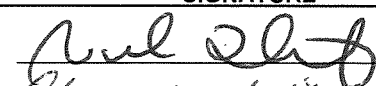
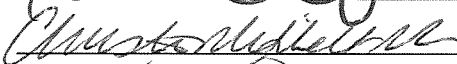
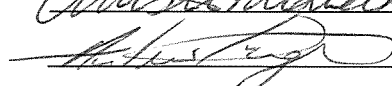
AVERAGE SOLUTION CONCENTRATION: 0.0993 g/100mL PRECISION CV (%): 0.71
STANDARD DEVIATION: 0.00070 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0807 g/210L**
EXPANDED UNCERTAINTY: ± 0.0018 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION


Brittany Thomas Forensic Scientist Supervisor


DATE REPORT ISSUED

| THIS TESTING WAS PERFORMED BY: | | | |
|--------------------------------|------------------------|--|-------------|
| ANALYST | NAME | SIGNATURE | DATE TESTED |
| RF | Rebecca Flaherty |  | 05/08/2017 |
| CM | Christie Mitchell-Mata |  | 05/09/2017 |
| AG | Andrew Gingras |  | 05/12/2017 |

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 5-31-17

Location: WSP-FLSB Seattle, WA Solution Batch Number: 17040

| | 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: 5-31-17

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

QAP Solution Batch #: 17040

Date Prepared: 5/8/2017

| Analyst: | RF | CM | AG |
|--------------|----------|----------|-----------|
| Date Tested: | 5/8/2017 | 5/9/2017 | 5/12/2017 |
| Instrument: | HSGC #1 | HSGC #1 | HSGC #1 |
| 1 | 0.099 | 0.099 | 0.098 |
| 2 | 0.100 | 0.099 | 0.099 |
| 3 | 0.100 | 0.099 | 0.099 |
| 4 | 0.099 | 0.101 | 0.099 |
| 5 | 0.099 | 0.100 | 0.099 |
| C | 0.102 | 0.101 | 0.101 |

| CV^2_{COA} | $CV^2_{QAP\ Solution}$ | $CV^2_{Control}$ | $CV^2_{Part\ Coef}$ |
|--------------|------------------------|------------------|---------------------|
| 0.0000084100 | 0.0000033505 | 0.0000108206 | 0.0001016326 |

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

Average Solution Concentration: 0.0993 g/100mL
Standard Deviation: 0.00070 g/100mL
Precision CV (%): 0.71
Equivalent Vapor Concentration: 0.0807 g/210L
Combined Standard Uncertainty (\pm): 0.0009 g/210L
Expanded Uncertainty (\pm): 0.0018 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas Brittany Thomas 5/24/17
Name Signature Date

Calculations verified by: Amanda M. Black [Signature] 5-31-17 Method: Hand calculation
Name Signature Date

Tech. review performed by: Brittany Thomas Brittany Thomas 5/24/17
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 | <i>AG</i> | 5/26/17 |
| Asa Louis | | |
| Brittany Thomas | | |
| Christie Mitchell-Mata | <i>CM</i> | 5/26/17 |
| Christopher Johnston | | |
| David Nguyen | | |
| Dawn Sklerov | | |
| Elizabeth Wehner | | |
| Justin Knoy | | |
| Katie Harris | | |
| Lyndsey Knoy | | |
| Naziha Nuwayhid | | |
| Rebecca Flaherty | <i>RF</i> | 5/30/17 |

Batch # 17040 *RF 5/24/17*

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17040**

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 17040, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

 5/30/2017

Rebecca Flaherty

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17040**

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 17040, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

 5/20/17

Christie Mitchell-Mata

Date

Forensic Toxicologist



JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 17040**

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 17040, was prepared in the Washington State Toxicology Laboratory on 5/8/2017. 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 5/8/2018.

Seattle, WA

 5/26/2017

Andrew Gingras
Forensic Scientist

Date



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

Preparation Date: 5-8-17 Expiration Date: 5-8-18 Initials of Preparer: RF

Lot # of 200-proof Ethanol used in preparation: 2FE 0139

Date the 200-proof Ethanol bottle was opened: 4-12-17

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>17039</u> |
| QAP 0.08 | 22.4 | 18 | <input checked="" type="checkbox"/> | <u>17040</u> |
| QAP 0.10 | 28.1 | 18 | <input type="checkbox"/> | <u> </u> |
| QAP 0.15 | 42.1 | 18 | <input checked="" type="checkbox"/> | <u>17041</u> |
| QAP 0.20 | 56.1 | 18 | <input checked="" type="checkbox"/> | <u>17042</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

5.8.17
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

5.8.17
Date

17040

RF
5/24/17

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: 170508RF
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
 Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
 Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
 CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
 Internal Standard Lot#P0317 - Exp. 06/13/2017
 Diluter #1
 Calibration vials 1-9 filed with 17039.

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 | 17039-1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 17039-2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 17039-3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 17039-4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 17039-5 | 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 | 17040-1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | 17040-2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | 17040-3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | 17040-4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | 17040-5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 24 | Vial 24 | 17041-1 | SIMALC1 | 1 | Sample | | |
| 25 | Vial 25 | 17041-2 | SIMALC1 | 1 | Sample | | |
| 26 | Vial 26 | 17041-3 | SIMALC1 | 1 | Sample | | |

~~17039~~ BT size
 BT
 5/24/17
 E 17040
 BT
 5/24/17
 RF

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|------------|---------|-----|------------|-----------|----------|
| 27 | Vial 27 | 17041-4 | SIMALC1 | 1 | Sample | | |
| 28 | Vial 28 | 17041-5 | SIMALC1 | 1 | Sample | | |
| 29 | Vial 29 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 30 | Vial 30 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 31 | Vial 31 | 17042-1 | SIMALC1 | 1 | Sample | | |
| 32 | Vial 32 | 17042-2 | SIMALC1 | 1 | Sample | | |
| 33 | Vial 33 | 17042-3 | SIMALC1 | 1 | Sample | | |
| 34 | Vial 34 | 17042-4 | SIMALC1 | 1 | Sample | | |
| 35 | Vial 35 | 17042-5 | SIMALC1 | 1 | Sample | | |
| 36 | Vial 36 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 37 | Vial 37 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 38 | Vial 38 | 17043-1 | SIMALC1 | 1 | Sample | | |
| 39 | Vial 39 | 17043-2 | SIMALC1 | 1 | Sample | | |
| 40 | Vial 40 | 17043-3 | SIMALC1 | 1 | Sample | | |
| 41 | Vial 41 | 17043-4 | SIMALC1 | 1 | Sample | | |
| 42 | Vial 42 | 17043-5 | SIMALC1 | 1 | Sample | | |
| 43 | Vial 43 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 44 | Vial 44 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

BT 5/24/17
~~*7-1-7082*~~
BT 5/24/17
17040
RF

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

Inj. Date: 5/8/2017 2:33:06 PM

Sample Name: 17040-1

Instrument: HSGC#1

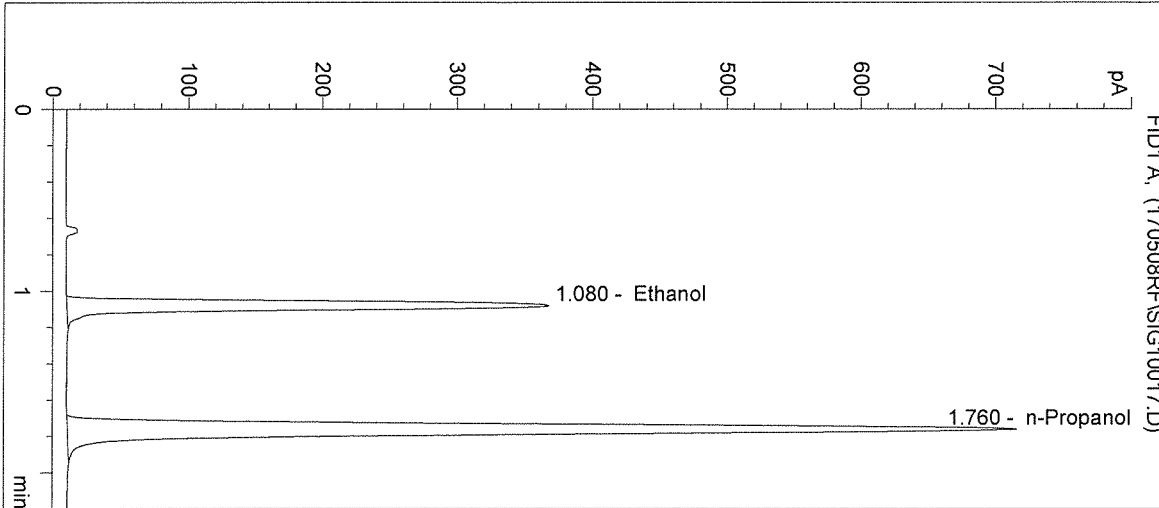
Operator: Rebecca Flaherty

Column: DB-ALC1

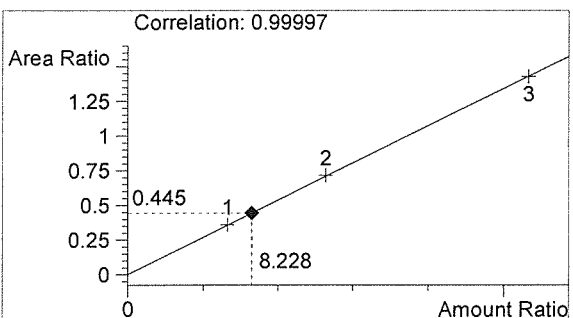
Location: Vial 17

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

Sample Info:

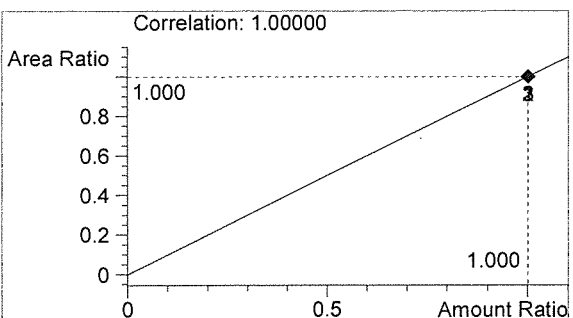


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1166 | 1.080 |
| 2 | n-Propanol | 2621 | 1.760 |



Ethanol 0.099 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:36:19 PM

Sample Name: 17040-2

Instrument: HSGC#1

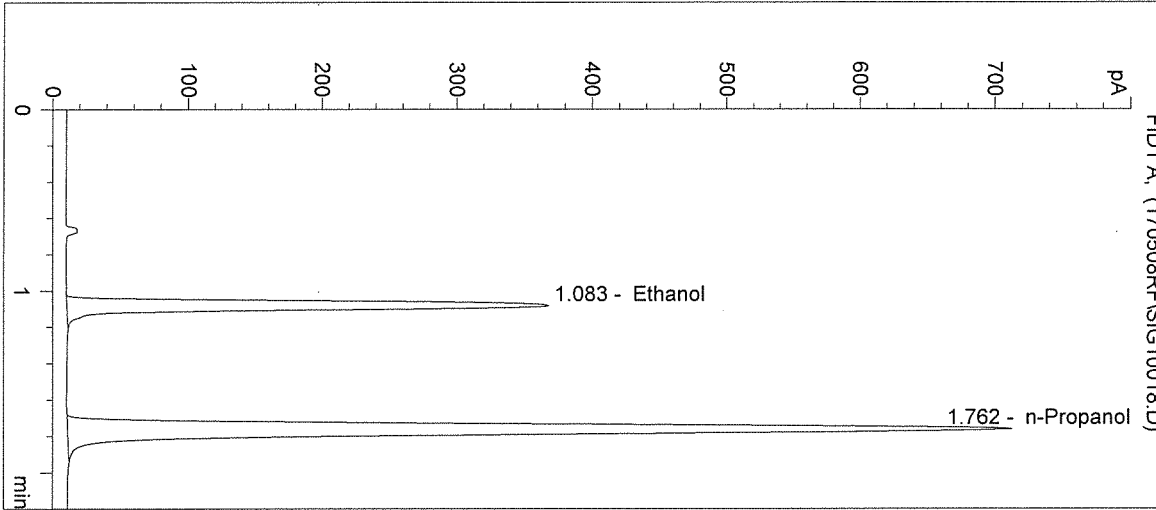
Operator: Rebecca Flaherty

Column: DB-ALC1

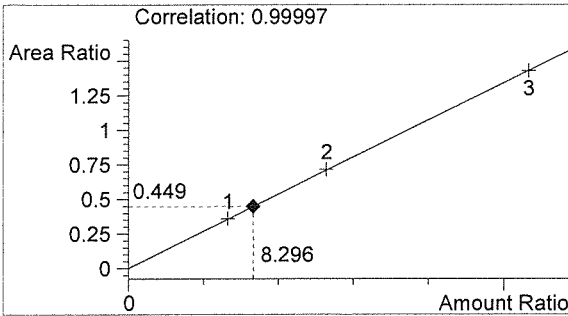
Location: Vial 18

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

Sample Info:

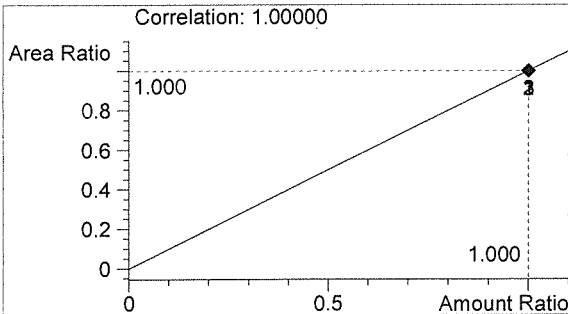


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1169 | 1.083 |
| 2 | n-Propanol | 2605 | 1.762 |



Ethanol 0.100 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:39:31 PM

Sample Name: 17040-3

Instrument: HSGC#1

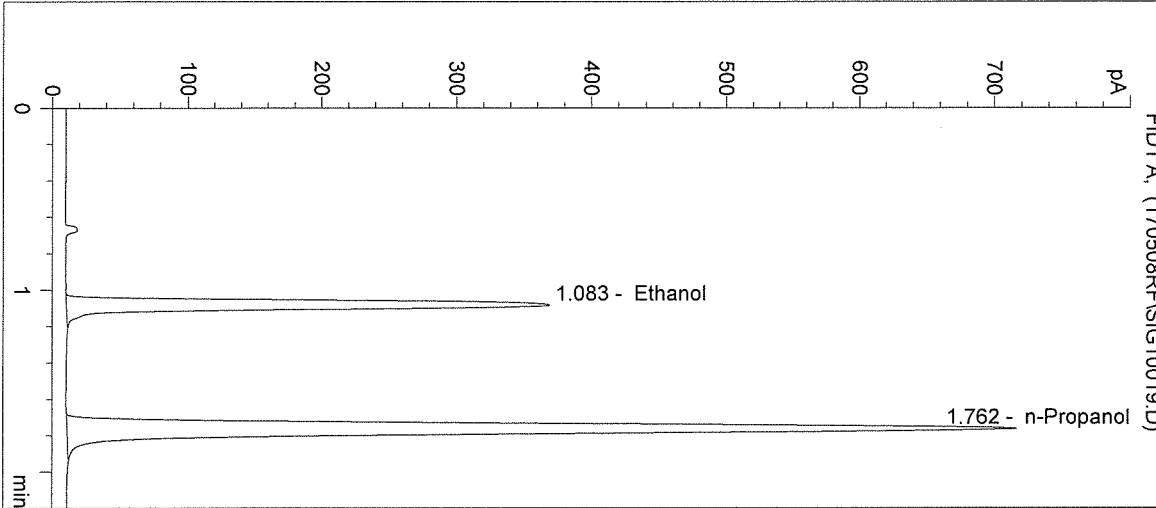
Operator: Rebecca Flaherty

Column: DB-ALC1

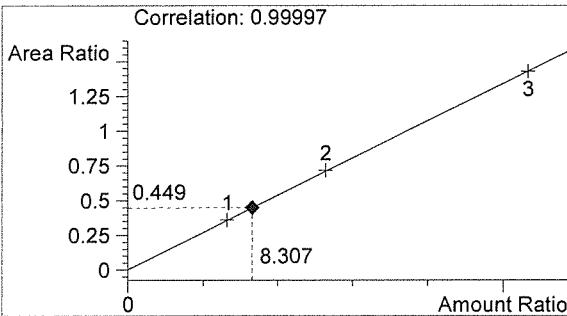
Location: Vial 19

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

Sample Info:

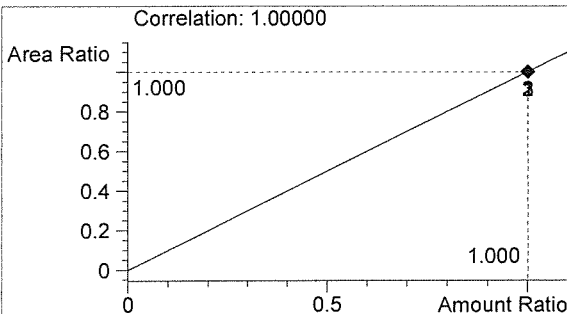


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1176 | 1.083 |
| 2 | n-Propanol | 2619 | 1.762 |



Ethanol 0.100 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:42:45 PM

Sample Name: 17040-4

Instrument: HSGC#1

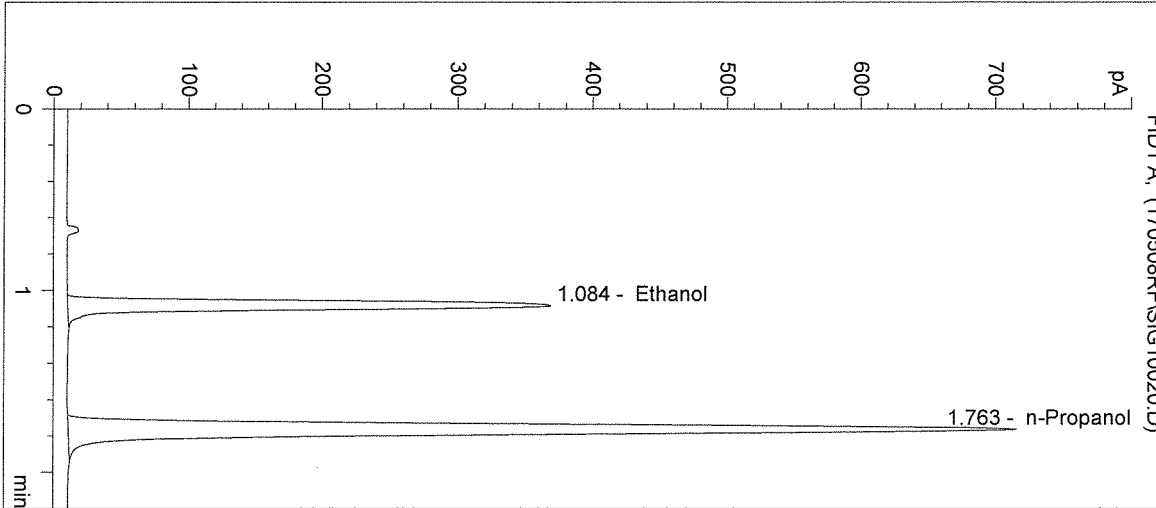
Operator: Rebecca Flaherty

Column: DB-ALC1

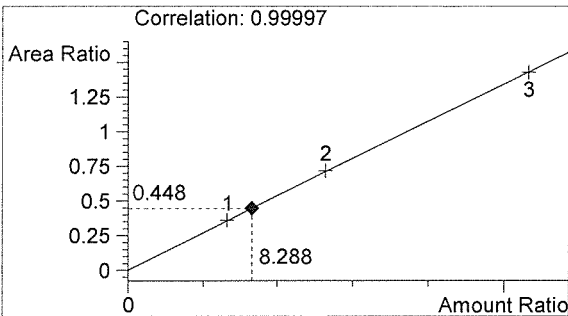
Location: Vial 20

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

Sample Info:

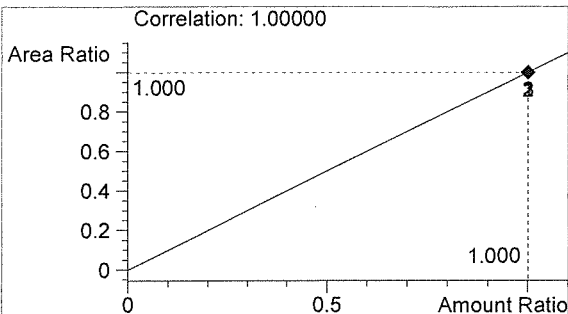


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1172 | 1.084 |
| 2 | n-Propanol | 2616 | 1.763 |



Ethanol 0.099 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:45:58 PM

Sample Name: 17040-5

Instrument: HSGC#1

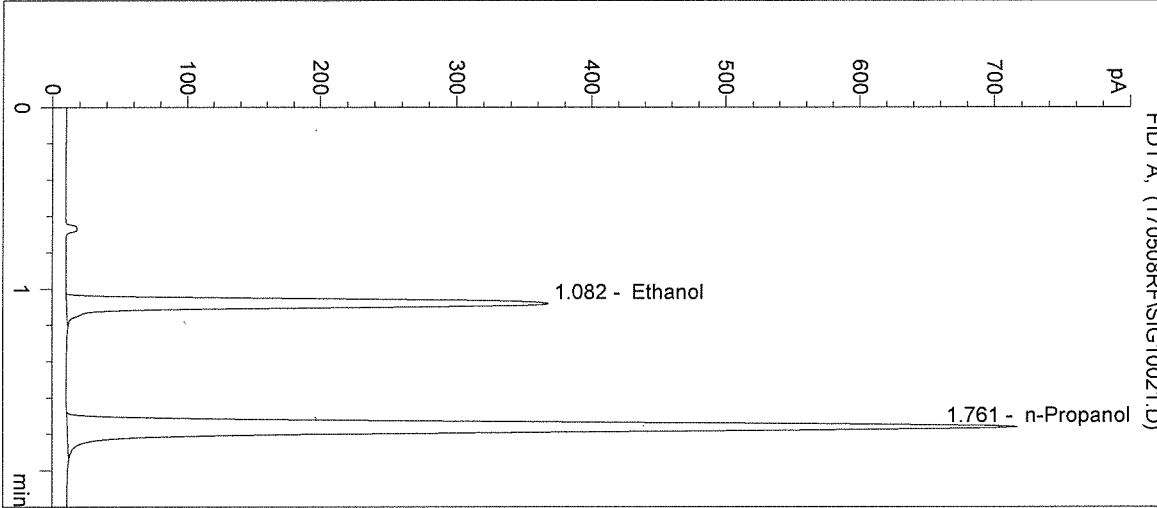
Operator: Rebecca Flaherty

Column: DB-ALC1

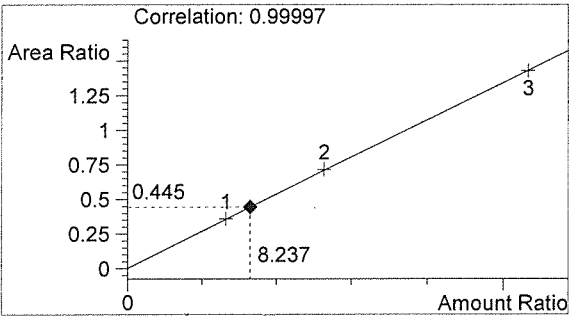
Location: Vial 21

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

Sample Info:

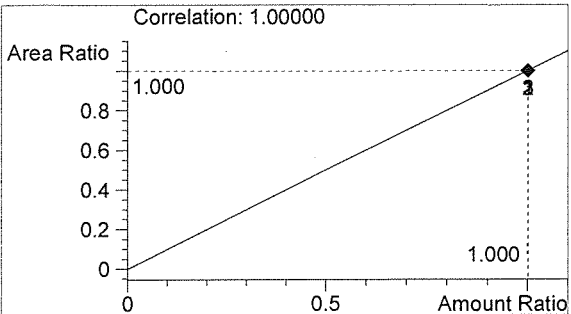


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1165 | 1.082 |
| 2 | n-Propanol | 2616 | 1.761 |



Ethanol 0.099 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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

Inj. Date: 5/8/2017 2:49:11 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

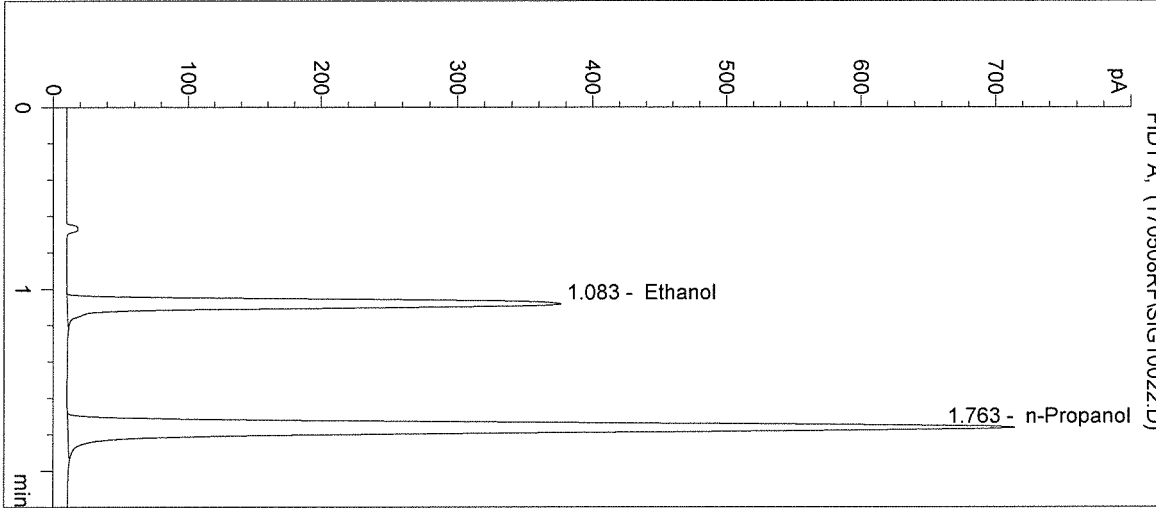
Operator: Rebecca Flaherty

Column: DB-ALC1

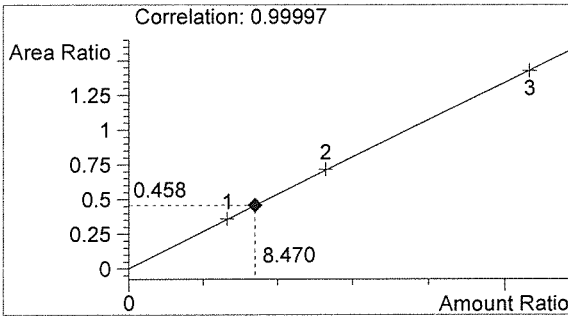
Location: Vial 22

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

Sample Info: 17040

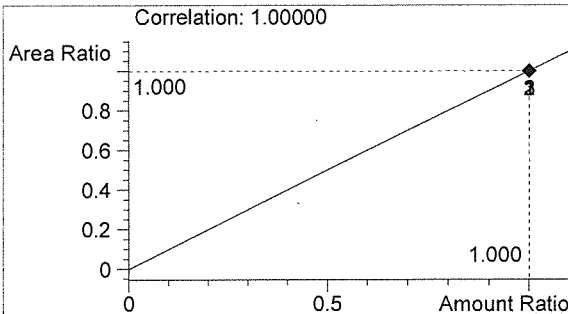


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1198 | 1.083 |
| 2 | n-Propanol | 2615 | 1.763 |



Ethanol 0.102 g/100mL

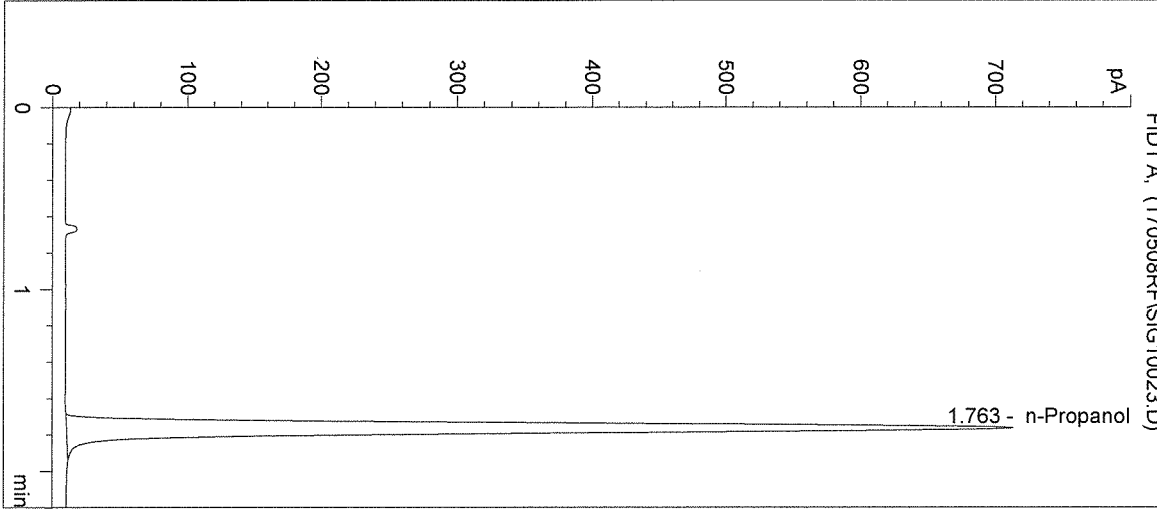
RF



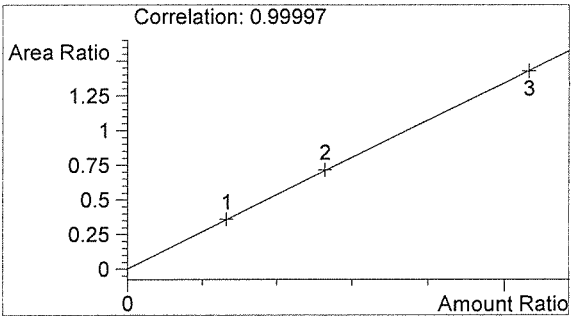
n-Propanol 0.012 g/100mL

RF

Inj. Date: 5/8/2017 2:52:25 PM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Rebecca Flaherty
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17040

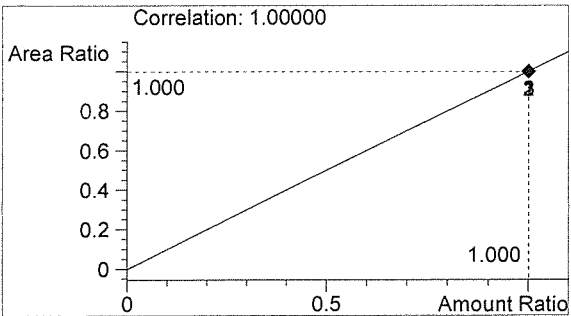


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2616 | 1.763 |



Ethanol 0.000 g/100mL

RF



n-Propanol 0.012 g/100mL

RF

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: 170509C2
 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#P0317 - Exp. 06/13/2017
 Dilutor #1
 Calibration 1-9 filed with 17039

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 | 17039 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 17039 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 17039 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 17039 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 17039 #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 | 17040 #1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | 17040 #2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | 17040 #3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | 17040 #4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | 17040 #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 | 17041 #1 | SIMALC1 | 1 | Sample | | |
| 25 | Vial 25 | 17041 #2 | SIMALC1 | 1 | Sample | | |
| 26 | Vial 26 | 17041 #3 | SIMALC1 | 1 | Sample | | |

~~17039~~ BT spill
 BT spill
 17040

W
 W

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|---------------|---------|-----|------------|-----------|----------|
| 27 | Vial 27 | 17041 #4 | SIMALC1 | 1 | Sample | | |
| 28 | Vial 28 | 17041 #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 | 17042 #1 | SIMALC1 | 1 | Sample | | |
| 32 | Vial 32 | 17042 #2 | SIMALC1 | 1 | Sample | | |
| 33 | Vial 33 | 17042 #3 | SIMALC1 | 1 | Sample | | |
| 34 | Vial 34 | 17042 #4 | SIMALC1 | 1 | Sample | | |
| 35 | Vial 35 | 17042 #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 | 17043 #1 | SIMALC1 | 1 | Sample | | |
| 39 | Vial 39 | 17043 #2 | SIMALC1 | 1 | Sample | | |
| 40 | Vial 40 | 17043 #3 | SIMALC1 | 1 | Sample | | |
| 41 | Vial 41 | 17043 #4 | SIMALC1 | 1 | Sample | | |
| 42 | Vial 42 | 17043 #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!

~~1703~~ ^{BT} 5/24/17
17040

W

W

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

Inj. Date: 5/9/2017 2:09:49 PM

Sample Name: 17040 #1

Instrument: HSGC#1

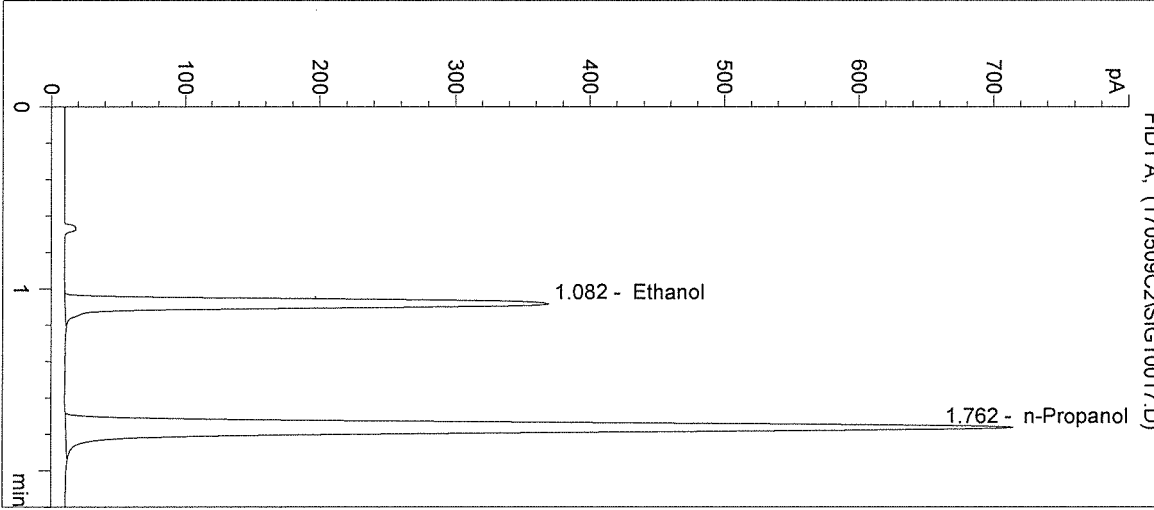
Operator: Christie Mitchell-Mata

Column: DB-ALC1

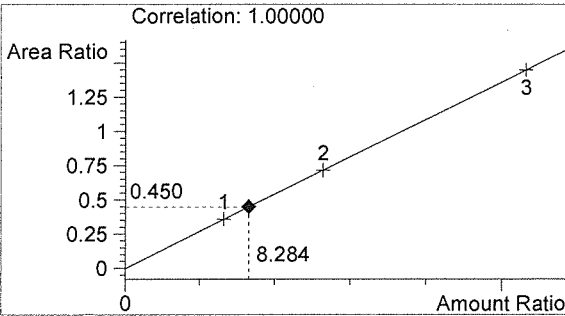
Location: Vial 17

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

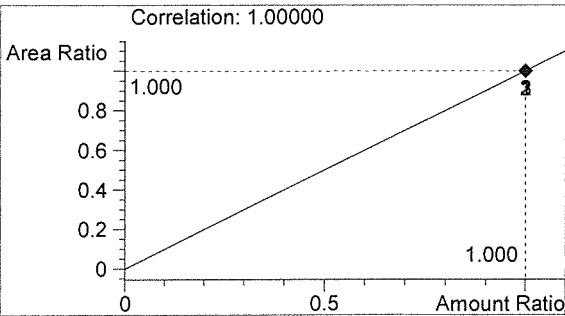
Sample Info:



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1181 | 1.082 |
| 2 | n-Propanol | 2622 | 1.762 |



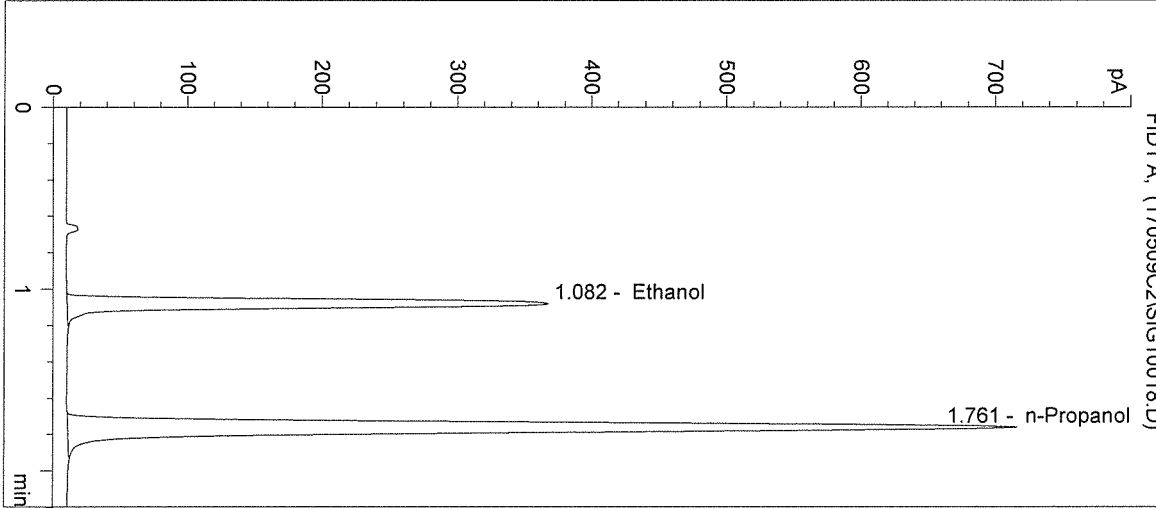
Ethanol 0.099 g/100mL *WA*



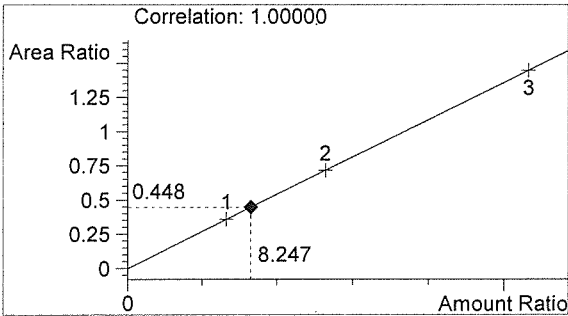
n-Propanol 0.012 g/100mL

WA

Inj. Date: 5/9/2017 2:13:03 PM Sample Name: 17040 #2
Instrument: HSGC#1 Operator: Christie Mitchell-Mata
Column: DB-ALC1 Location: Vial 18
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

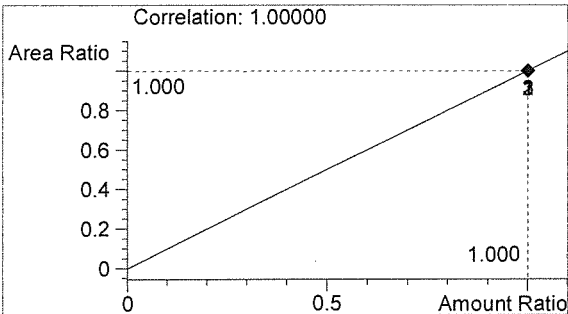


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1174 | 1.082 |
| 2 | n-Propanol | 2618 | 1.761 |



Ethanol 0.099 g/100mL

pot



n-Propanol 0.012 g/100mL

W

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

Inj. Date: 5/9/2017 2:16:15 PM

Sample Name: 17040 #3

Instrument: HSGC#1

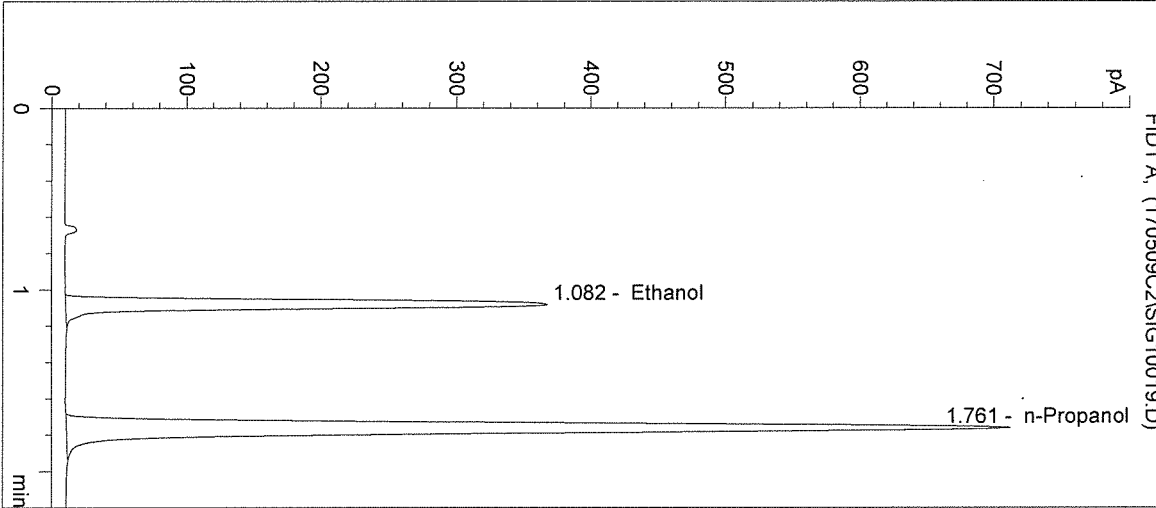
Operator: Christie Mitchell-Mata

Column: DB-ALC1

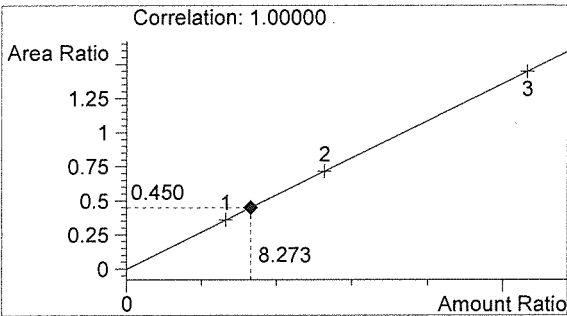
Location: Vial 19

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

Sample Info:

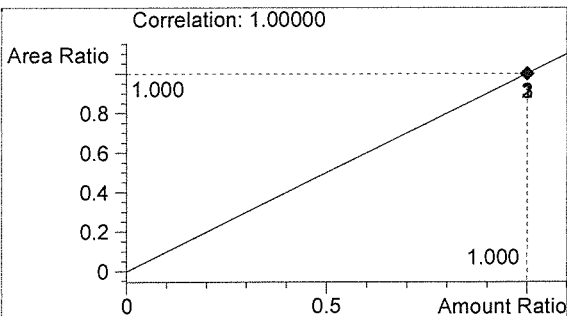


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1174 | 1.082 |
| 2 | n-Propanol | 2611 | 1.761 |



Ethanol 0.099 g/100mL

MT



n-Propanol 0.012 g/100mL

am

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

Inj. Date: 5/9/2017 2:19:29 PM

Sample Name: 17040 #4

Instrument: HSGC#1

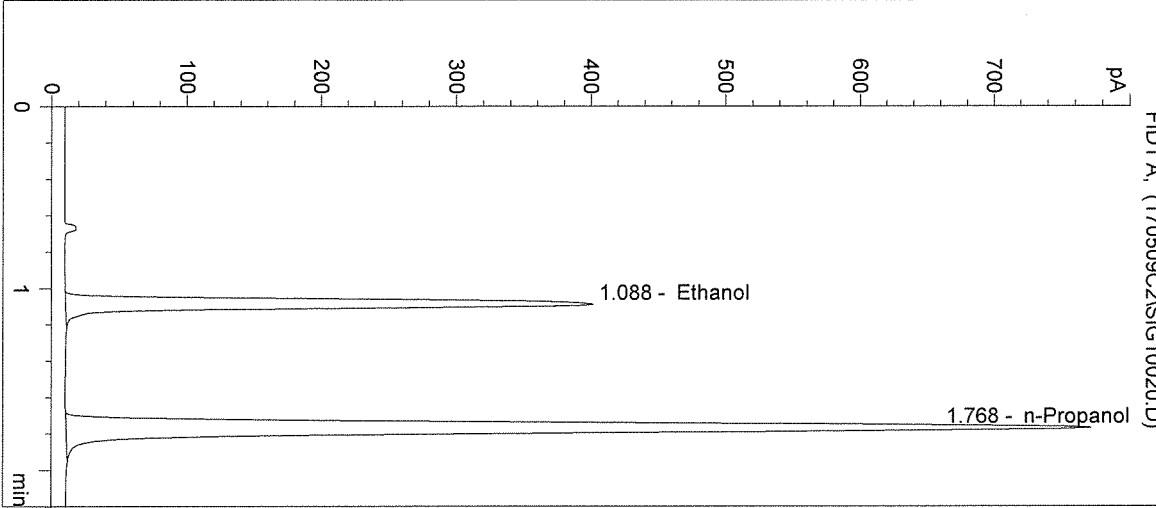
Operator: Christie Mitchell-Mata

Column: DB-ALC1

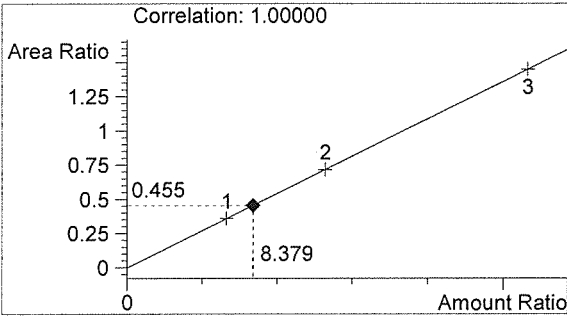
Location: Vial 20

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

Sample Info:

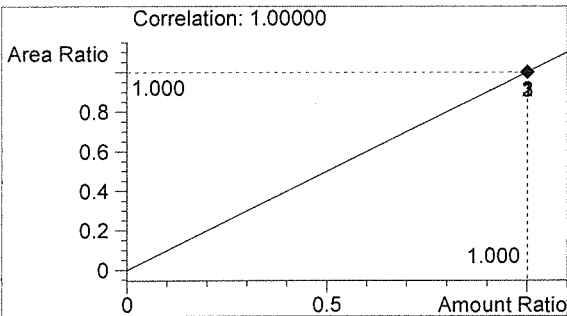


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1301 | 1.088 |
| 2 | n-Propanol | 2857 | 1.768 |



Ethanol 0.101 g/100mL

lot



n-Propanol 0.012 g/100mL

CM

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

Inj. Date: 5/9/2017 2:22:42 PM

Sample Name: 17040 #5

Instrument: HSGC#1

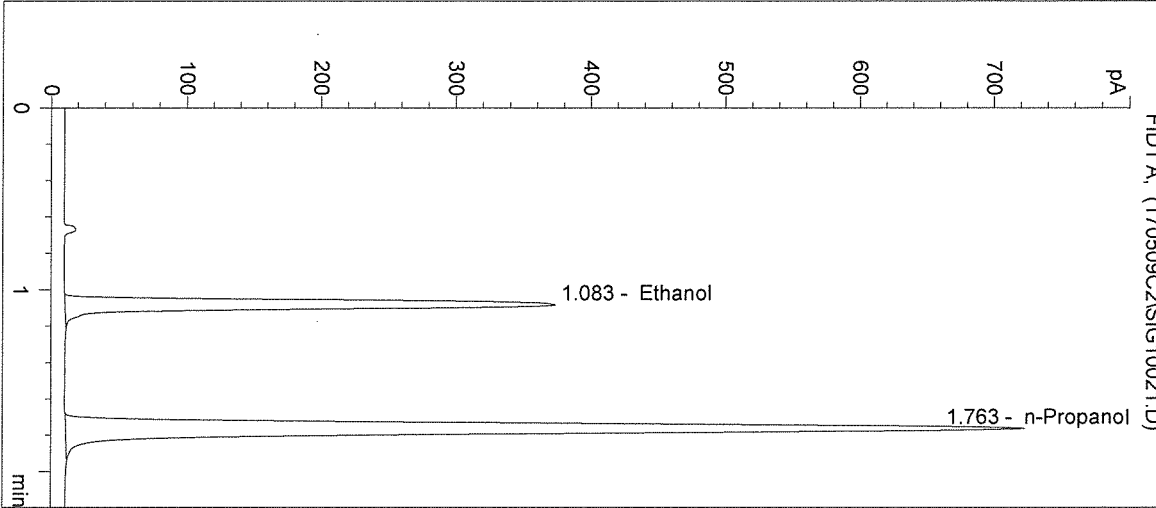
Operator: Christie Mitchell-Mata

Column: DB-ALC1

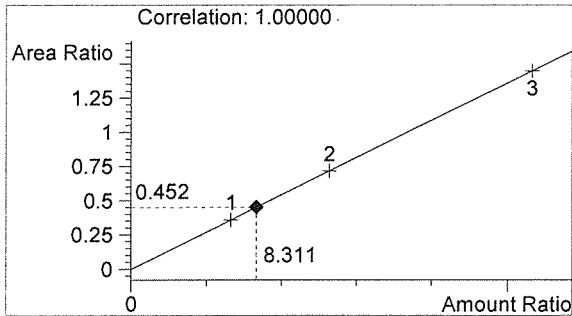
Location: Vial 21

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

Sample Info:

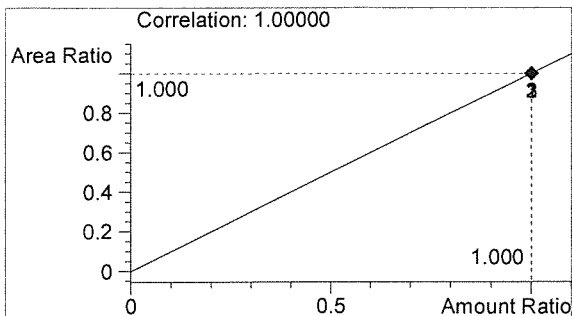


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1196 | 1.083 |
| 2 | n-Propanol | 2647 | 1.763 |



Ethanol 0.100 g/100mL

PT



n-Propanol 0.012 g/100mL

m

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

Inj. Date: 5/9/2017 2:25:55 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

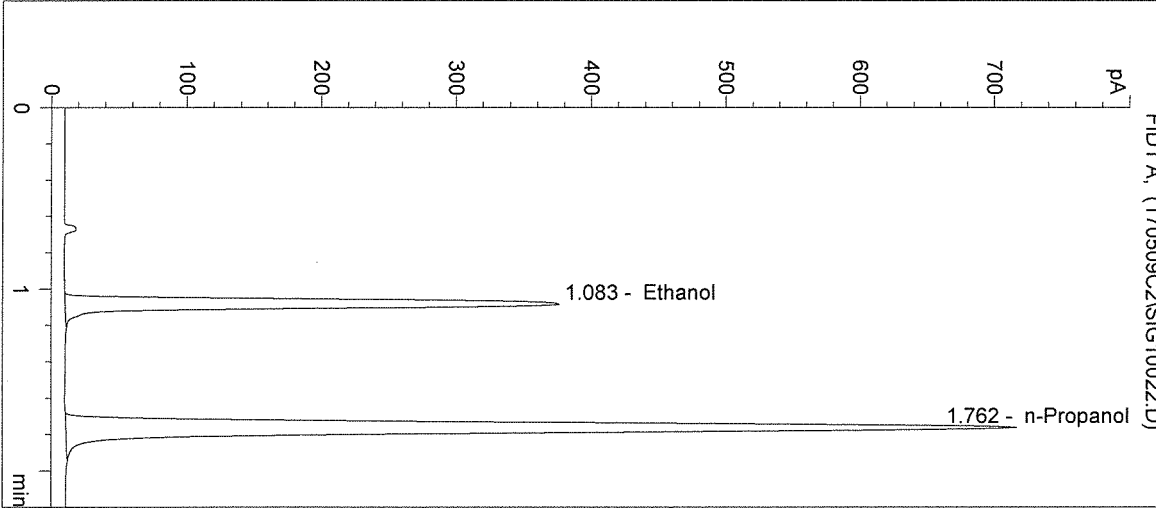
Operator: Christie Mitchell-Mata

Column: DB-ALC1

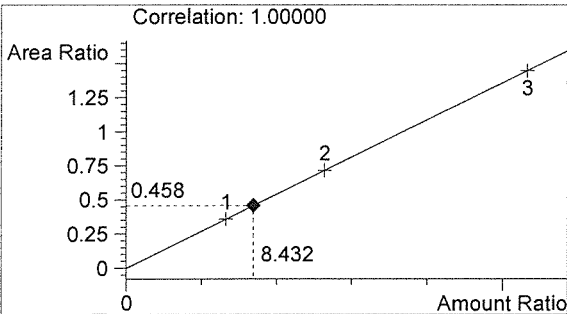
Location: Vial 22

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

Sample Info: 17040

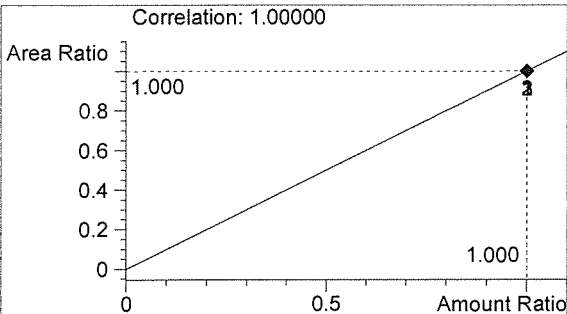


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1205 | 1.083 |
| 2 | n-Propanol | 2630 | 1.762 |



Ethanol 0.101 g/100mL

BA



n-Propanol 0.012 g/100mL

W

Inj. Date: 5/9/2017 2:29:08 PM

Sample Name: Negative CTRL

Instrument: HSGC#1

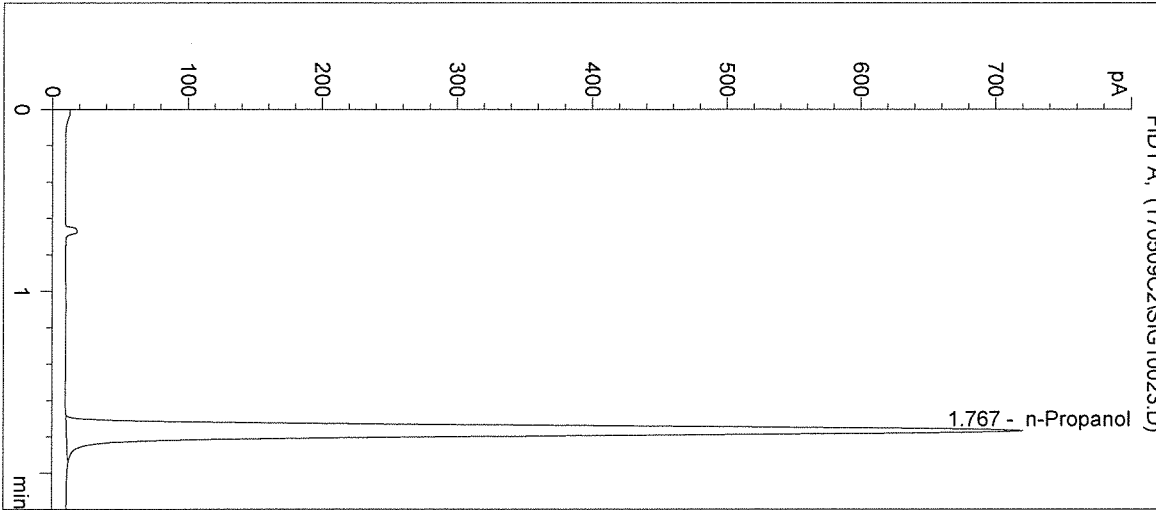
Operator: Christie Mitchell-Mata

Column: DB-ALC1

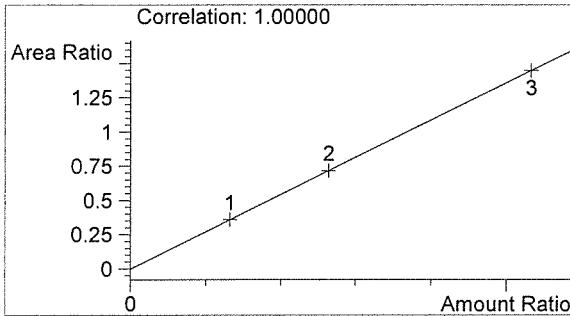
Location: Vial 23

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

Sample Info: 17040

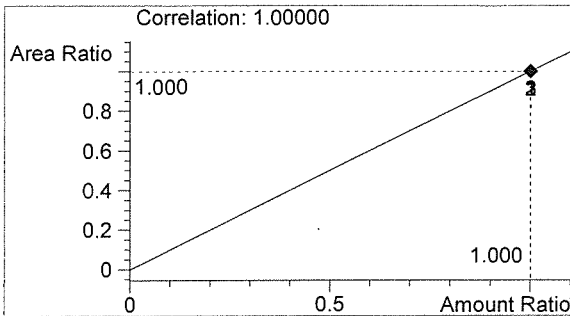


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2666 | 1.767 |



Ethanol 0.000 g/100mL

BT



n-Propanol 0.012 g/100mL

W

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: 170512AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
 Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
 Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
 CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
 CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
 CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
 Internal Standard Lot#P0317 - Exp. 06/13/2017
 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 | 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 | 17040-1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 17040-2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 17040-3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 17040-4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 17040-5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |

17040
 RT
 5/12/17

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

Sequence Table (Back Injector):

No entries - empty table!

17040

BT
5/11/17

=====
Calibration Table
=====

Calib. Data Modified : Friday, May 12, 2017 7:55:33 AM
Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

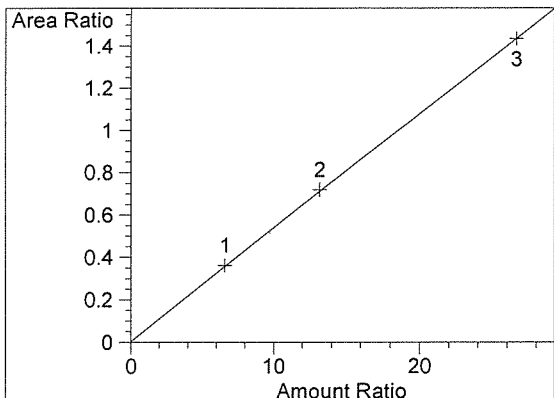
| RetTime | Lvl | Amount | Area | Amt/Area | Ref | Grp Name |
|---------|-----|--------------|------------|------------|-----|------------|
| [min] | Sig | [g/100mL] | | | | |
| 1.085 | 1 | 7.91500e-2 | 1007.76575 | 7.85401e-5 | 1 | Ethanol |
| | | 2 1.58300e-1 | 1959.34900 | 8.07921e-5 | | |
| | | 3 3.19520e-1 | 3782.60962 | 8.44708e-5 | | |
| 1.764 | 1 | 1.20000e-2 | 2788.44409 | 4.30348e-6 | I1 | n-Propanol |
| | | 2 1.20000e-2 | 2726.29175 | 4.40158e-6 | | |
| | | 3 1.20000e-2 | 2637.65698 | 4.54949e-6 | | |

=====
Peak Sum Table
=====

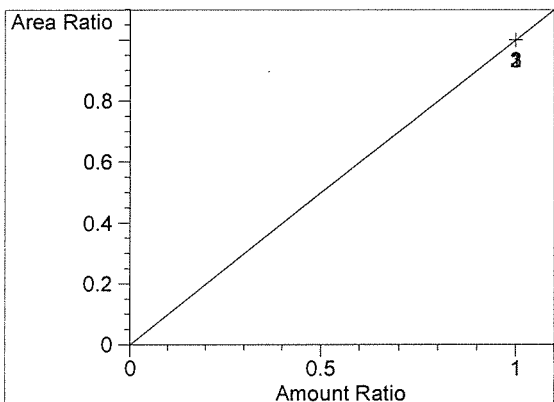
No Entries in table
=====

17040
BT
5/12/17

=====
Calibration Curves
=====



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00514
Formula: $y = mx + b$
m: 5.38128e-2
b: 4.12486e-3
x: Amount Ratio
y: Area Ratio

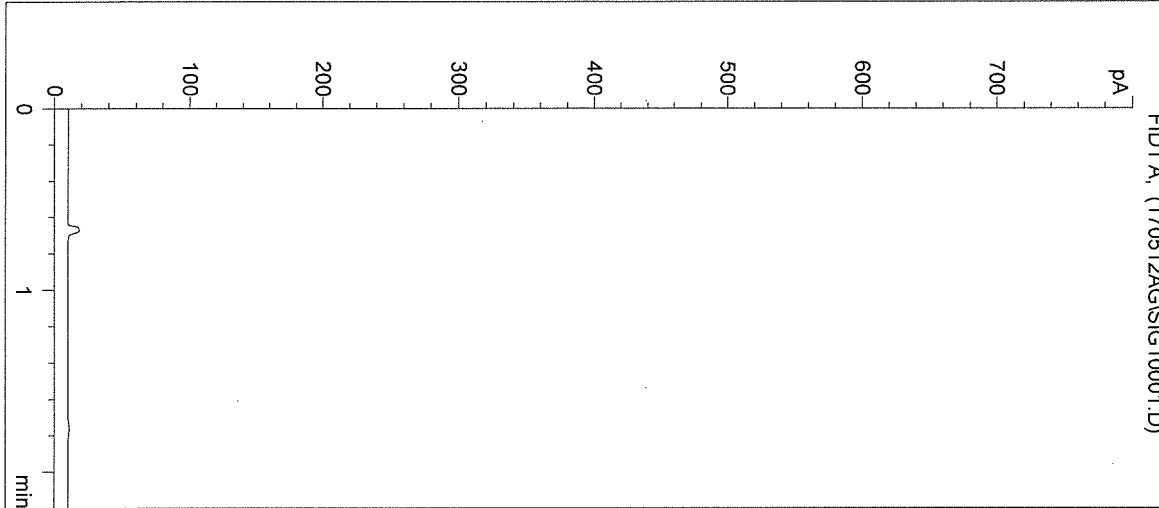


n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: $y = mx + b$
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

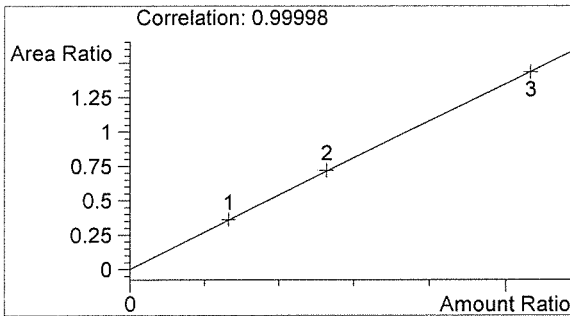
17040
BT
5/24/17

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

Inj. Date: 5/12/2017 7:43:28 AM Sample Name: BLANK
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17040

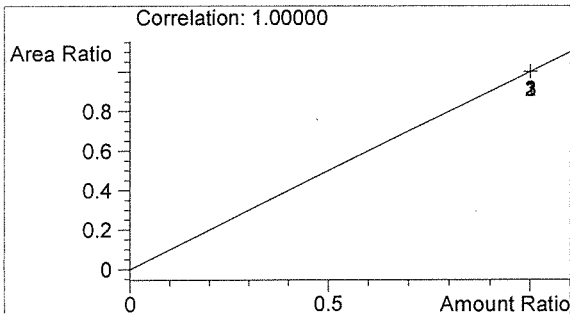


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |



Ethanol 0.000 g/100mL

MA



n-Propanol 0.000 g/100mL

AG

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

Inj. Date: 5/12/2017 7:46:45 AM

Sample Name: 0.079 CAL 1

Instrument: HSGC#1

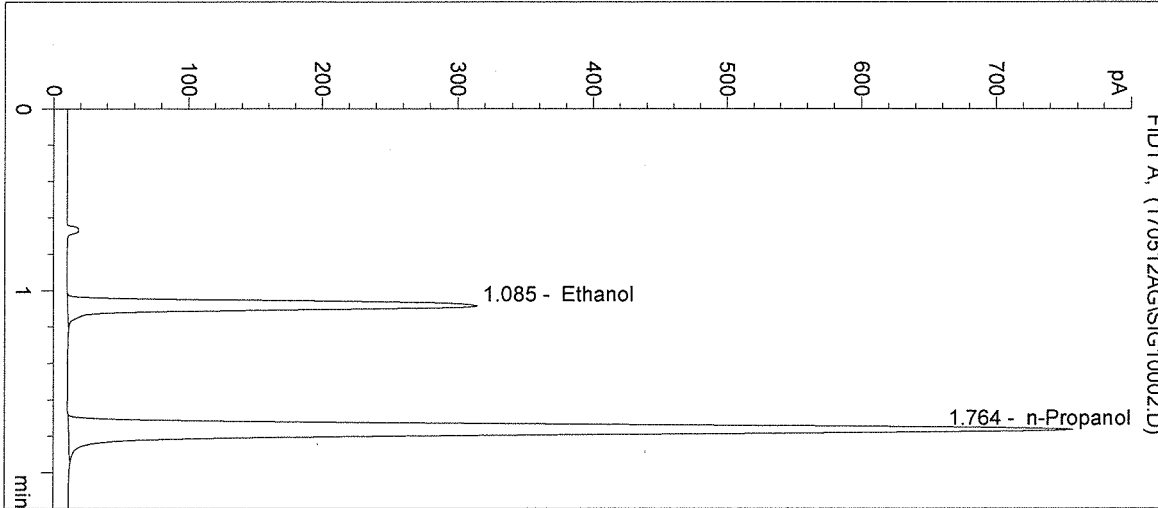
Operator: Andrew Gingras

Column: DB-ALC1

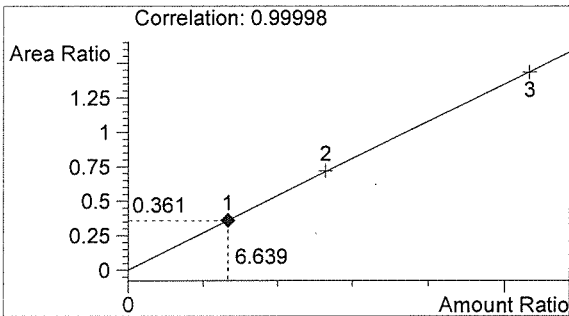
Location: Vial 2

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

Sample Info: 17040

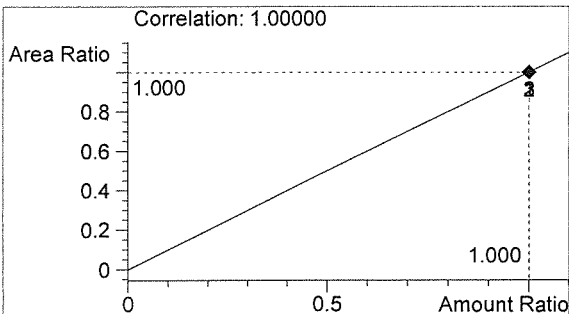


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1008 | 1.085 |
| 2 | n-Propanol | 2788 | 1.764 |



Ethanol 0.080 g/100mL

Pat



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 7:50:03 AM

Sample Name: 0.158 CAL 2

Instrument: HSGC#1

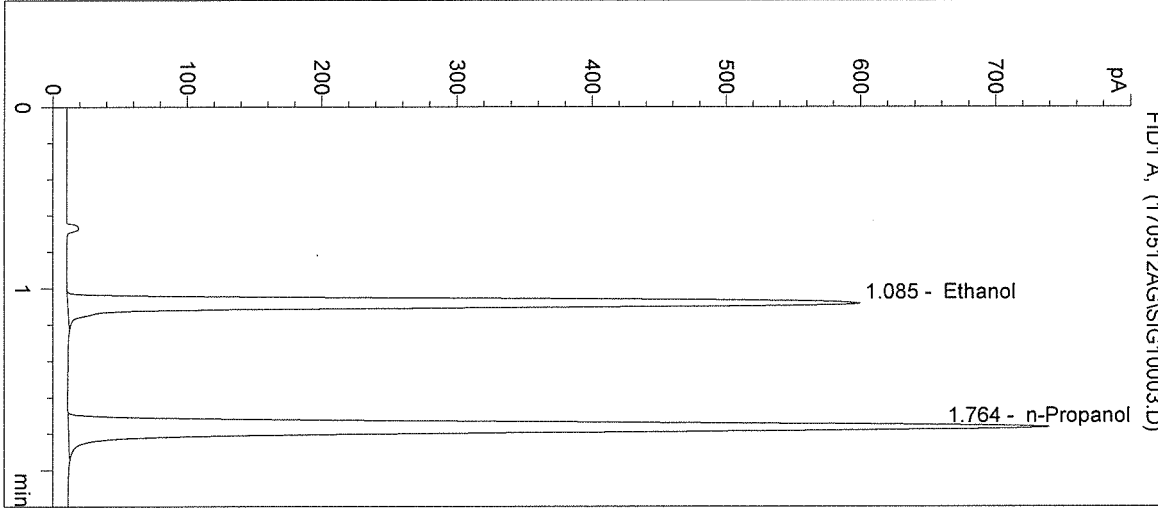
Operator: Andrew Gingras

Column: DB-ALC1

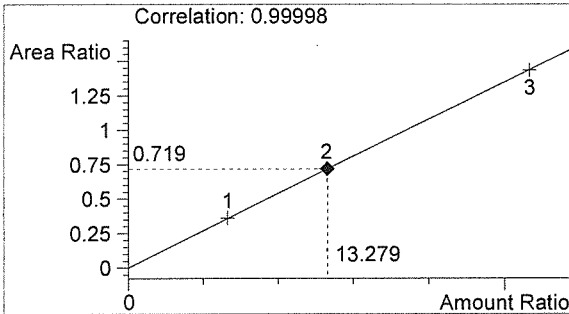
Location: Vial 3

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

Sample Info: 17040

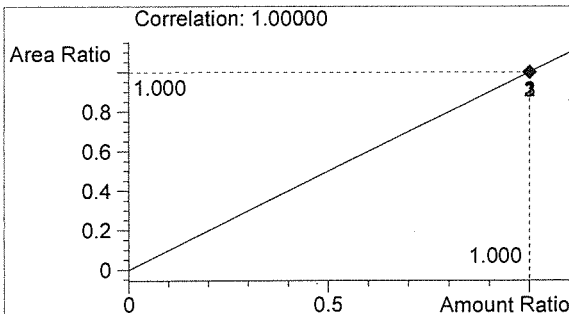


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1959 | 1.085 |
| 2 | n-Propanol | 2726 | 1.764 |



Ethanol 0.159 g/100mL

PA



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 7:53:20 AM

Sample Name: 0.316 CAL 3

Instrument: HSGC#1

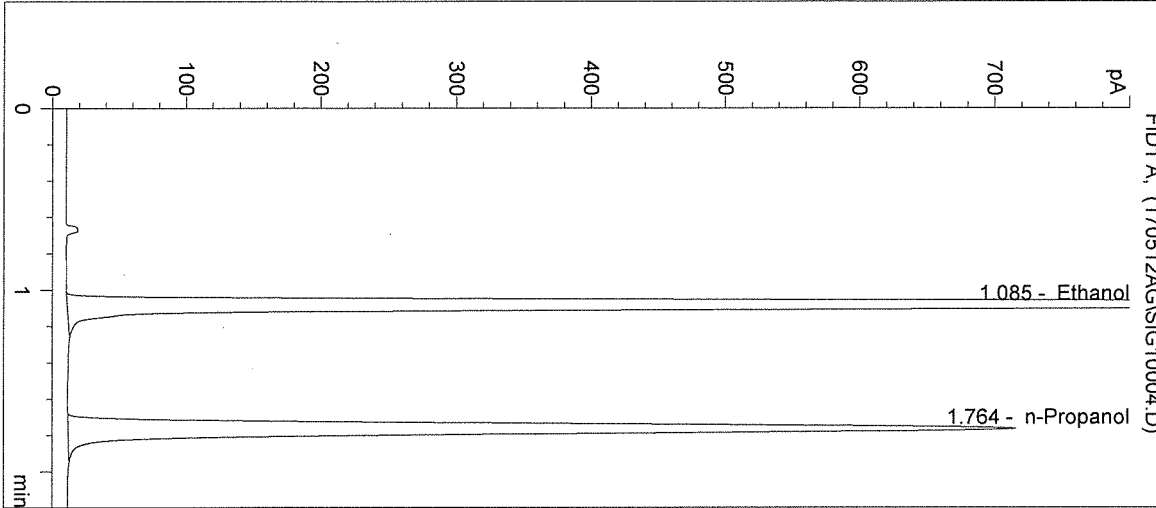
Operator: Andrew Gingras

Column: DB-ALC1

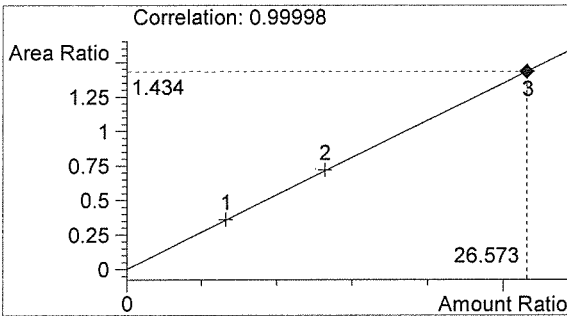
Location: Vial 4

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

Sample Info: 17040

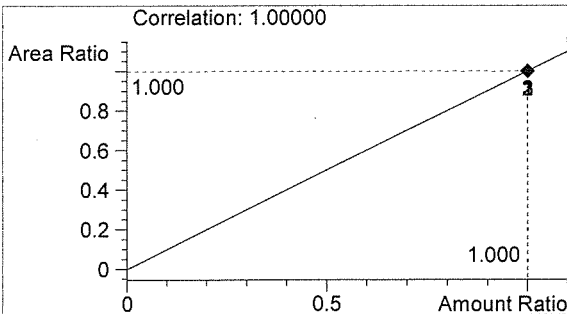


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 3783 | 1.085 |
| 2 | n-Propanol | 2638 | 1.764 |



Ethanol 0.319 g/100mL

MA

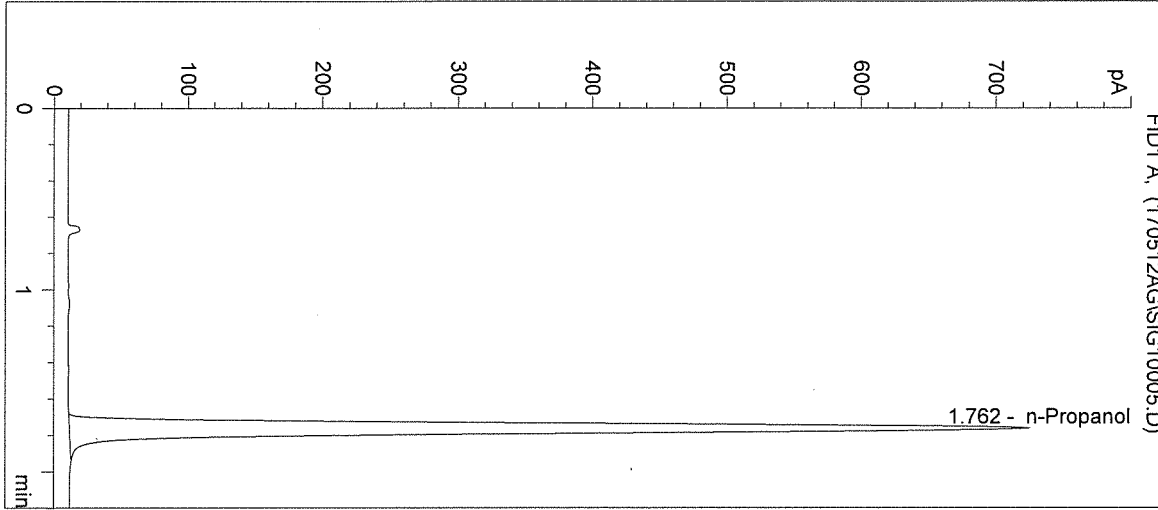


n-Propanol 0.012 g/100mL

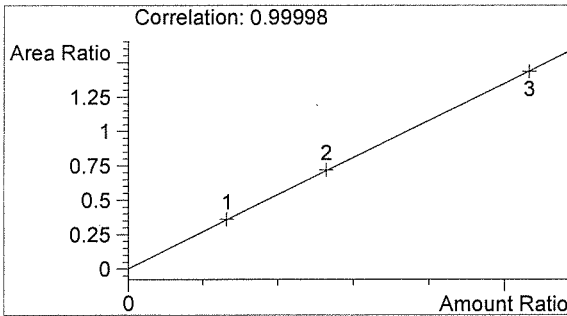
AG

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

Inj. Date: 5/12/2017 7:56:33 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Andrew Gingras
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17040

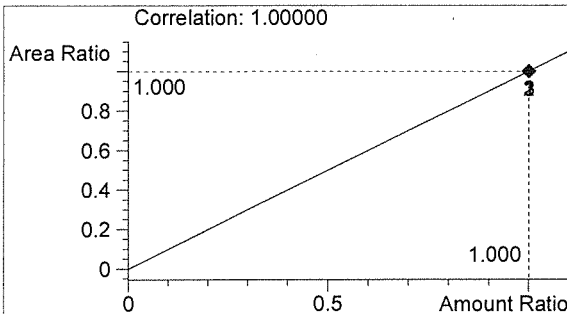


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2666 | 1.762 |



Ethanol 0.000 g/100mL

MA



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 7:59:46 AM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

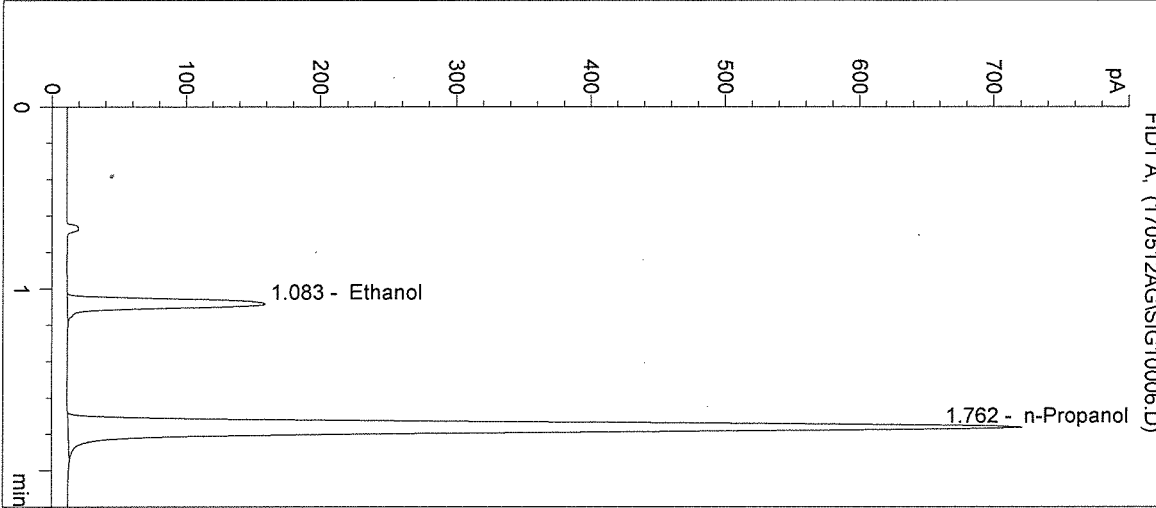
Operator: Andrew Gingras

Column: DB-ALC1

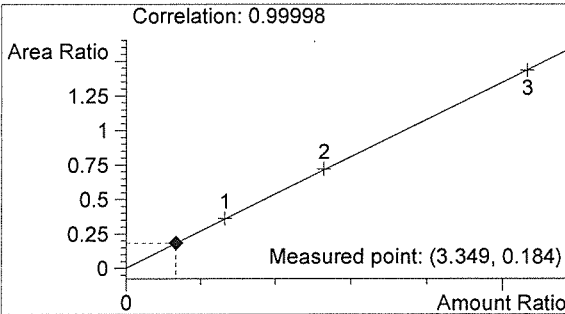
Location: Vial 6

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

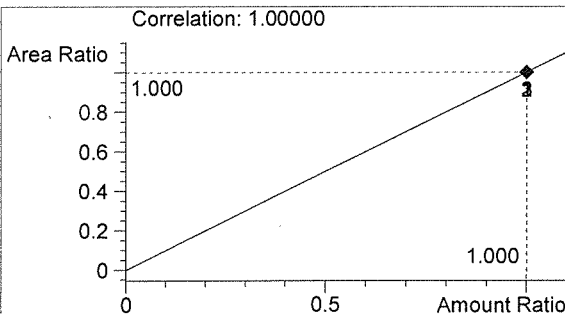
Sample Info: 17040



| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 488 | 1.083 |
| 2 | n-Propanol | 2648 | 1.762 |



Ethanol 0.040 g/100mL *AG*



n-Propanol 0.012 g/100mL

AG

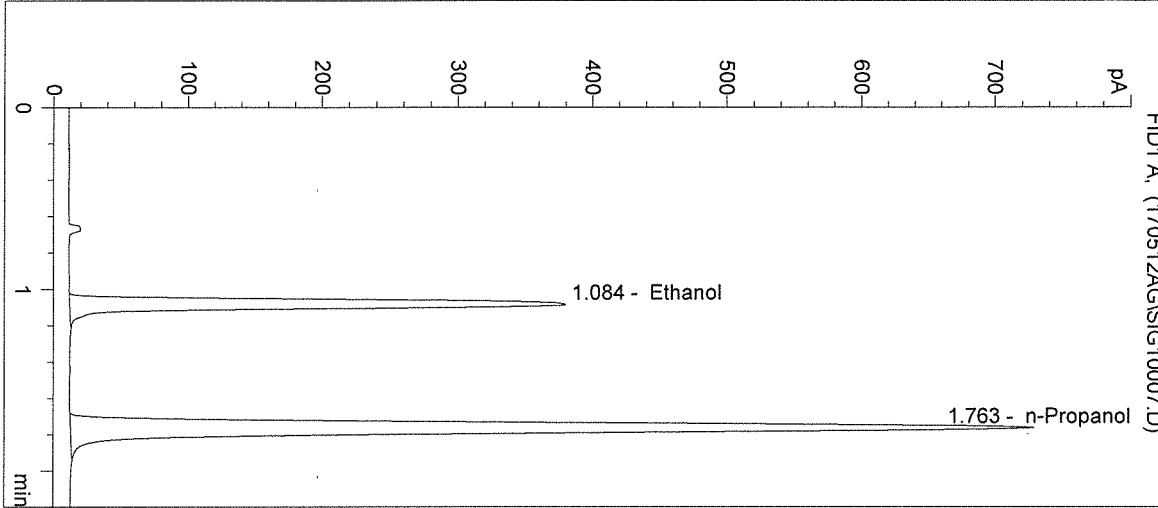
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/12/2017 8:02:59 AM
Instrument: HSGC#1

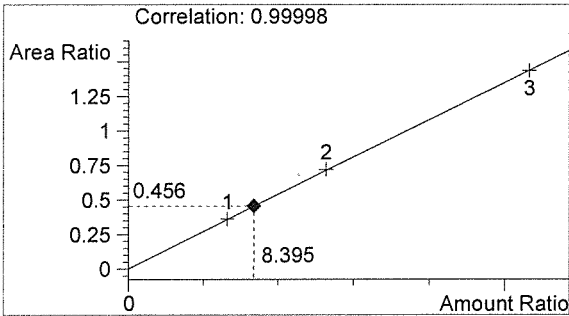
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7

Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info: 17040

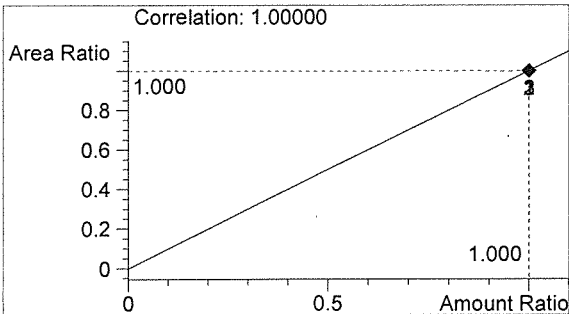


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1222 | 1.084 |
| 2 | n-Propanol | 2681 | 1.763 |



Ethanol 0.101 g/100mL

Handwritten mark



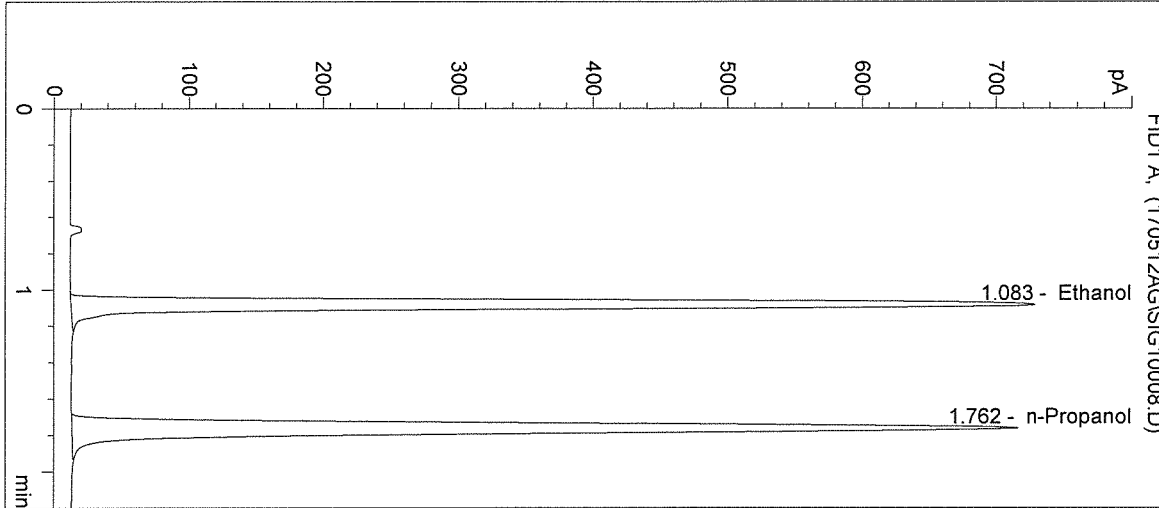
n-Propanol 0.012 g/100mL

Handwritten signature

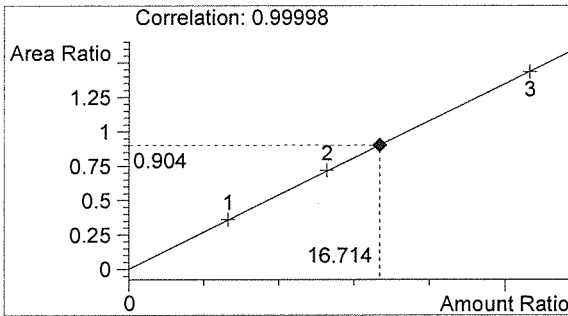
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/12/2017 8:06:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17040

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

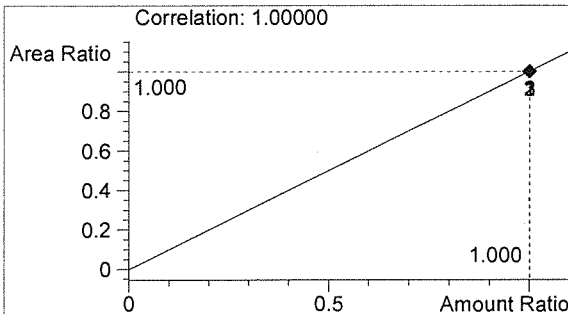


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2366 | 1.083 |
| 2 | n-Propanol | 2619 | 1.762 |



Ethanol 0.201 g/100mL

Handwritten initials



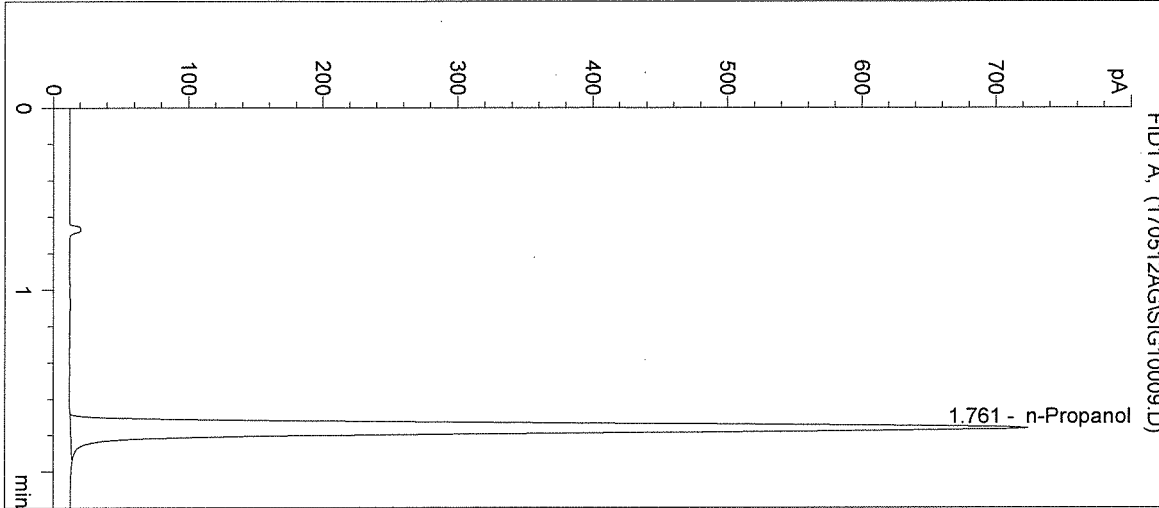
n-Propanol 0.012 g/100mL

Handwritten initials

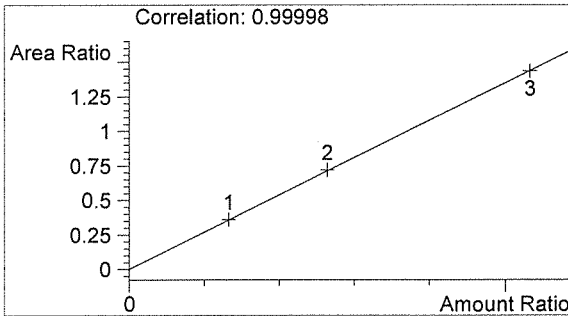
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/12/2017 8:09:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17040

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

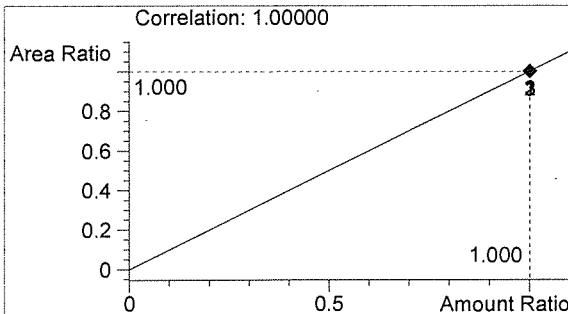


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2655 | 1.761 |



Ethanol 0.000 g/100mL

BA



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 8:12:38 AM

Sample Name: 17040-1

Instrument: HSGC#1

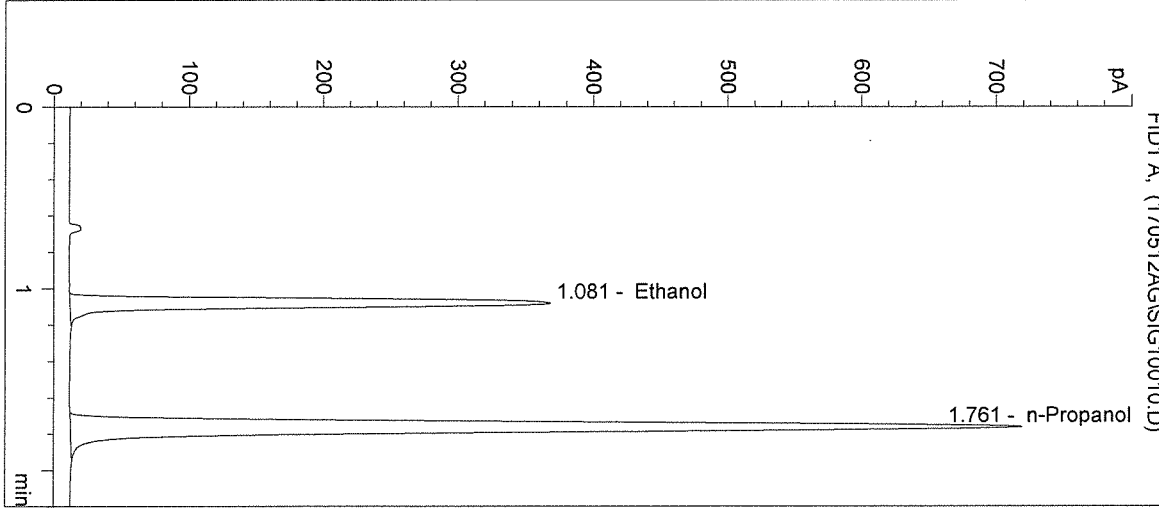
Operator: Andrew Gingras

Column: DB-ALC1

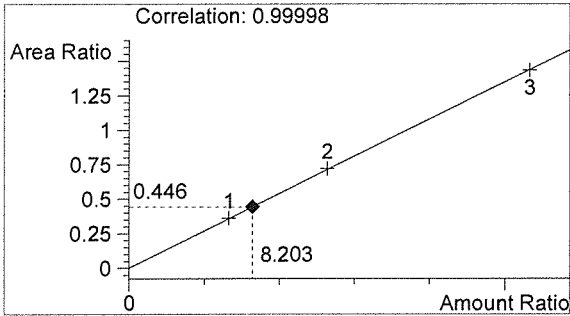
Location: Vial 10

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

Sample Info:

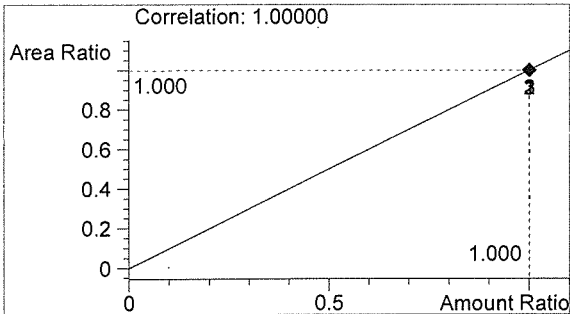


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1175 | 1.081 |
| 2 | n-Propanol | 2638 | 1.761 |



Ethanol 0.098 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 5/12/2017 8:15:52 AM

Sample Name: 17040-2

Instrument: HSGC#1

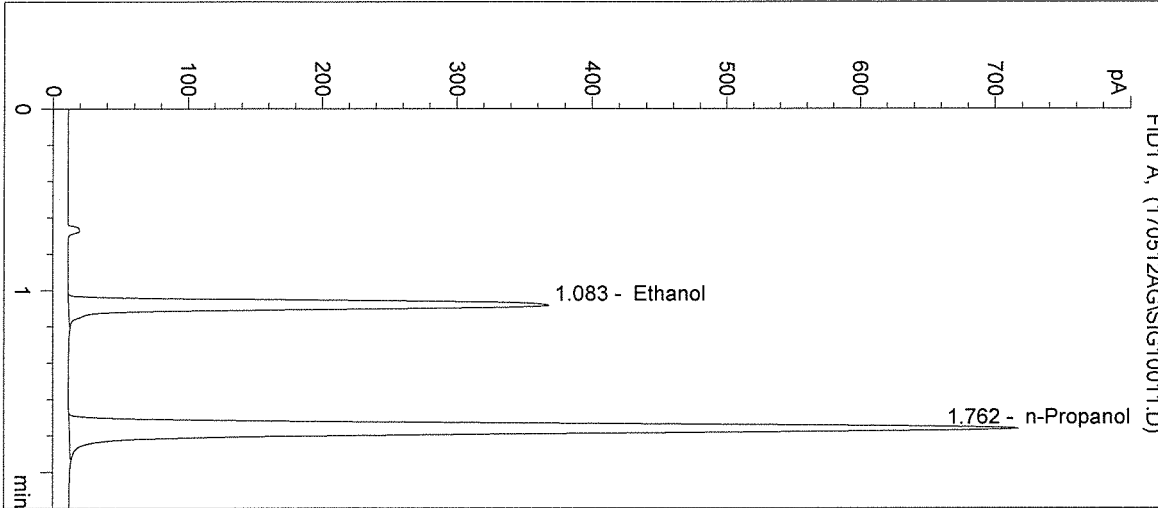
Operator: Andrew Gingras

Column: DB-ALC1

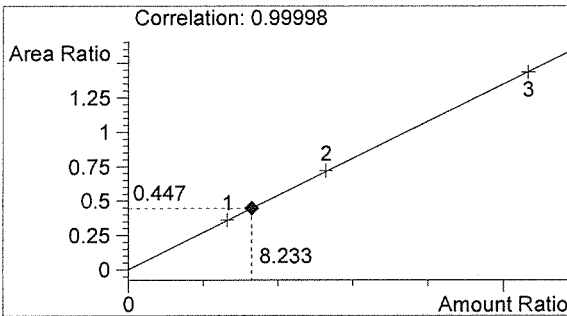
Location: Vial 11

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

Sample Info:

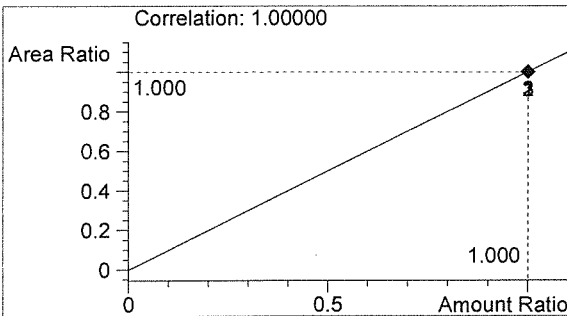


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1177 | 1.083 |
| 2 | n-Propanol | 2632 | 1.762 |



Ethanol 0.099 g/100mL

AG



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 8:19:05 AM

Sample Name: 17040-3

Instrument: HSGC#1

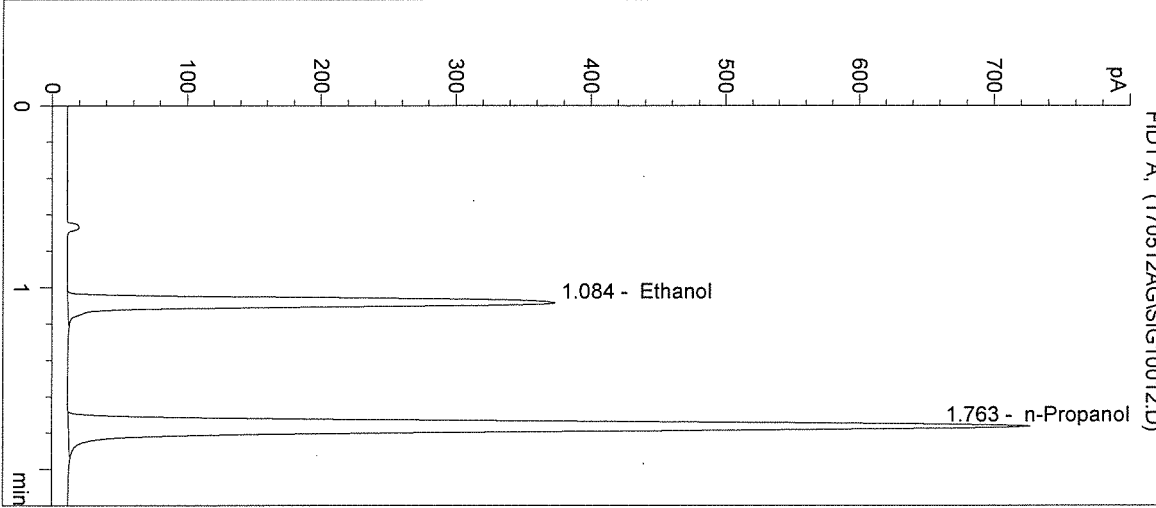
Operator: Andrew Gingras

Column: DB-ALC1

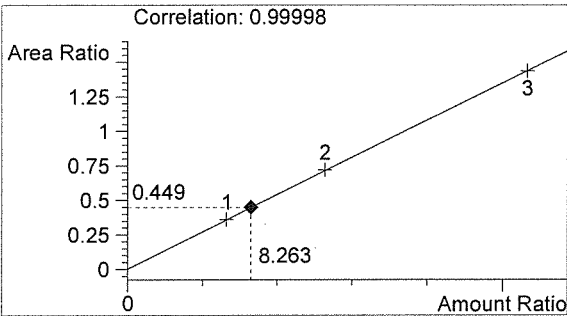
Location: Vial 12

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

Sample Info:

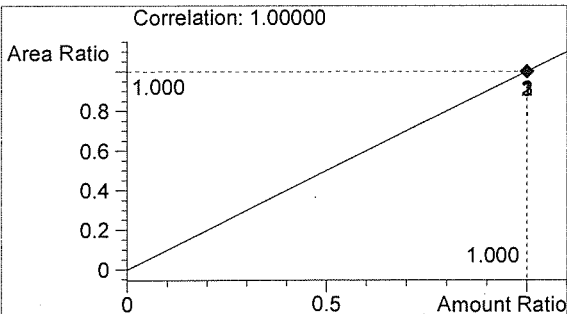


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1197 | 1.084 |
| 2 | n-Propanol | 2667 | 1.763 |



Ethanol 0.099 g/100mL

na



n-Propanol 0.012 g/100mL

56

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

Inj. Date: 5/12/2017 8:22:18 AM

Sample Name: 17040-4

Instrument: HSGC#1

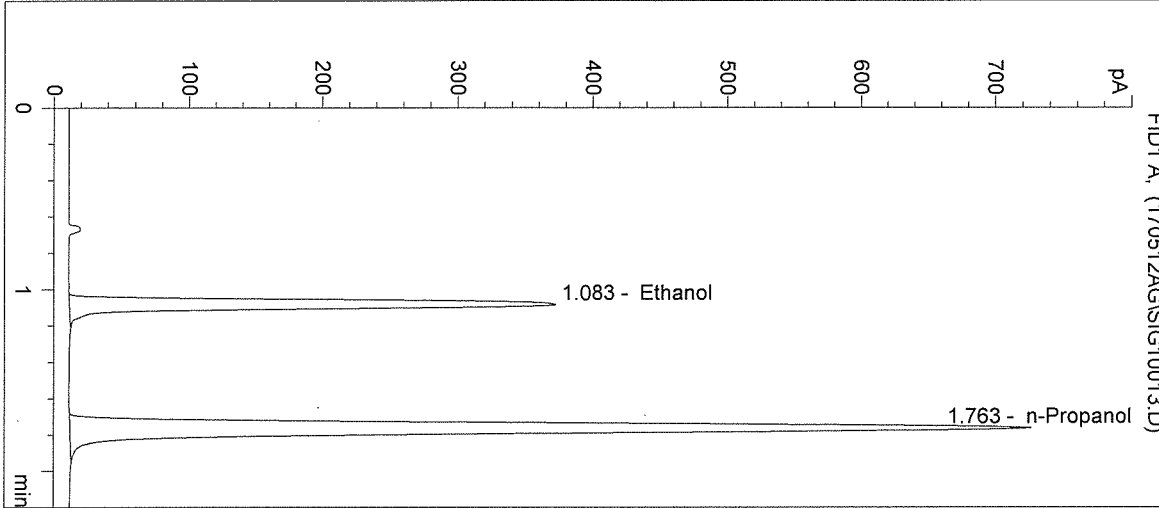
Operator: Andrew Gingras

Column: DB-ALC1

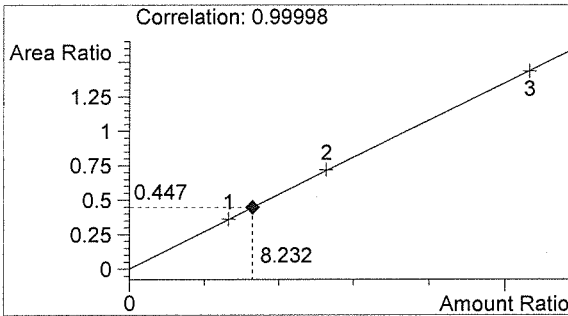
Location: Vial 13

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

Sample Info:

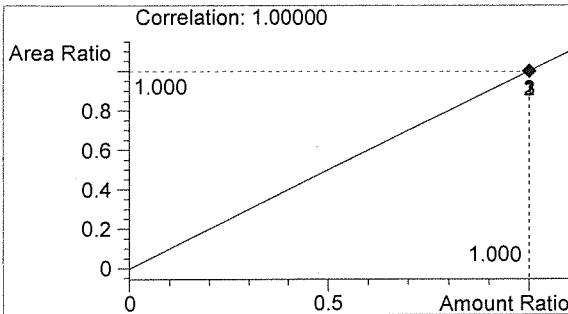


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1192 | 1.083 |
| 2 | n-Propanol | 2666 | 1.763 |



Ethanol 0.099 g/100mL

Handwritten signature



n-Propanol 0.012 g/100mL

Handwritten signature

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

Inj. Date: 5/12/2017 8:25:32 AM

Sample Name: 17040-5

Instrument: HSGC#1

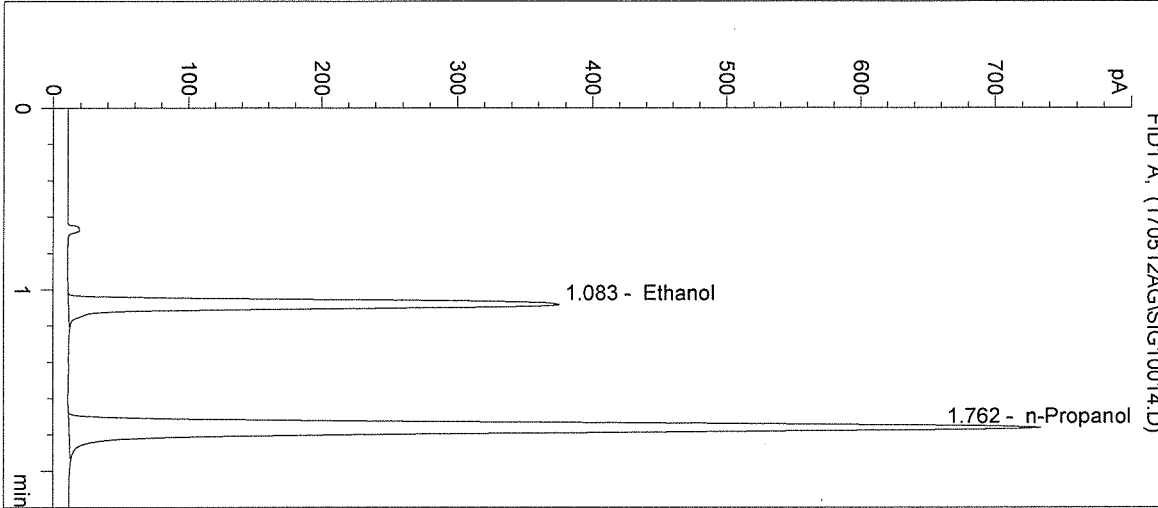
Operator: Andrew Gingras

Column: DB-ALC1

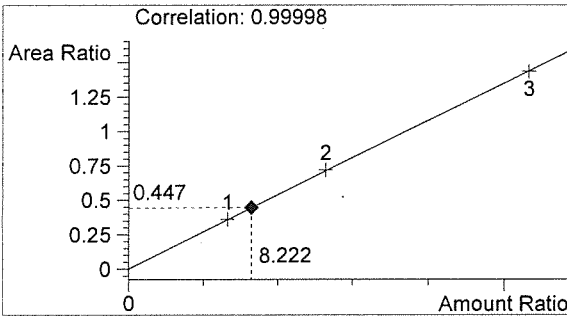
Location: Vial 14

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

Sample Info:

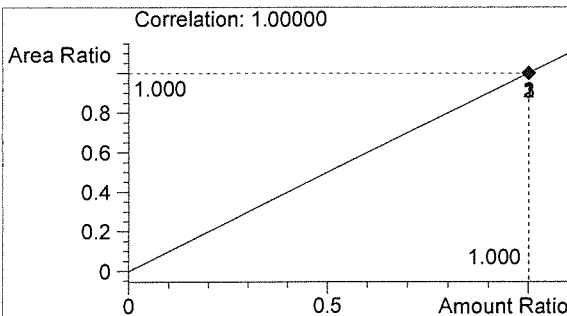


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1202 | 1.083 |
| 2 | n-Propanol | 2693 | 1.762 |



Ethanol 0.099 g/100mL

BT



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 5/12/2017 8:28:44 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

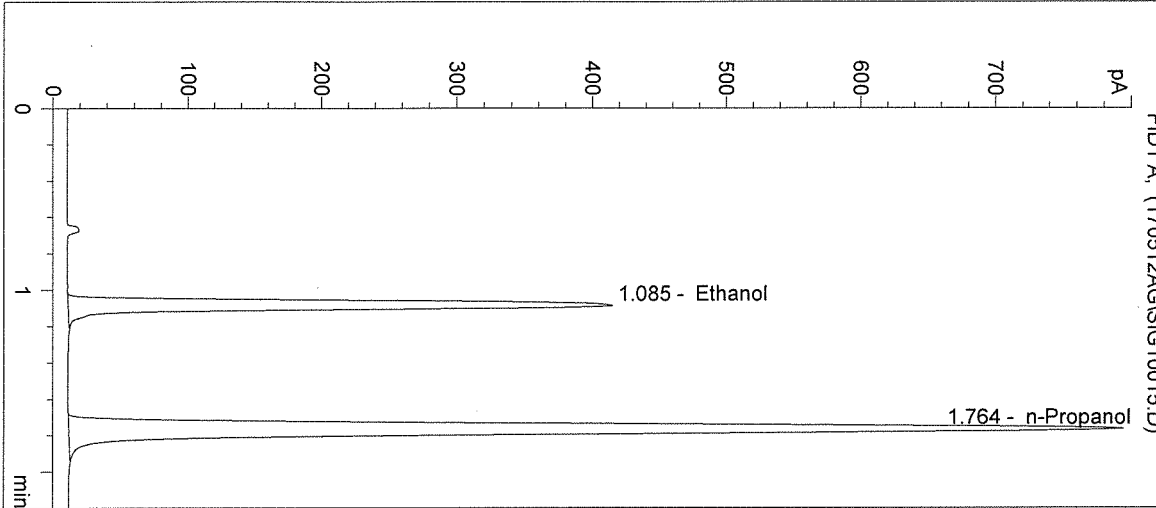
Operator: Andrew Gingras

Column: DB-ALC1

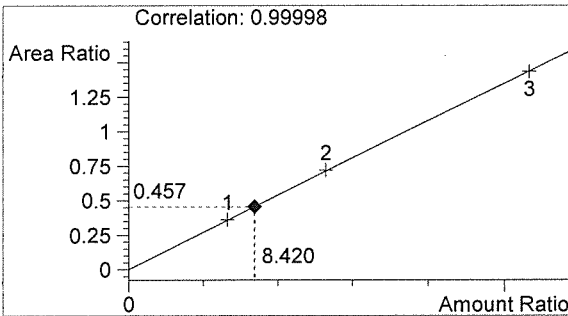
Location: Vial 15

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

Sample Info: 17040

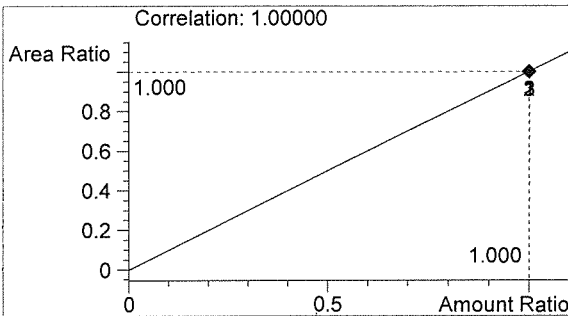


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1338 | 1.085 |
| 2 | n-Propanol | 2925 | 1.764 |



Ethanol 0.101 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: 5/12/2017 8:31:58 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

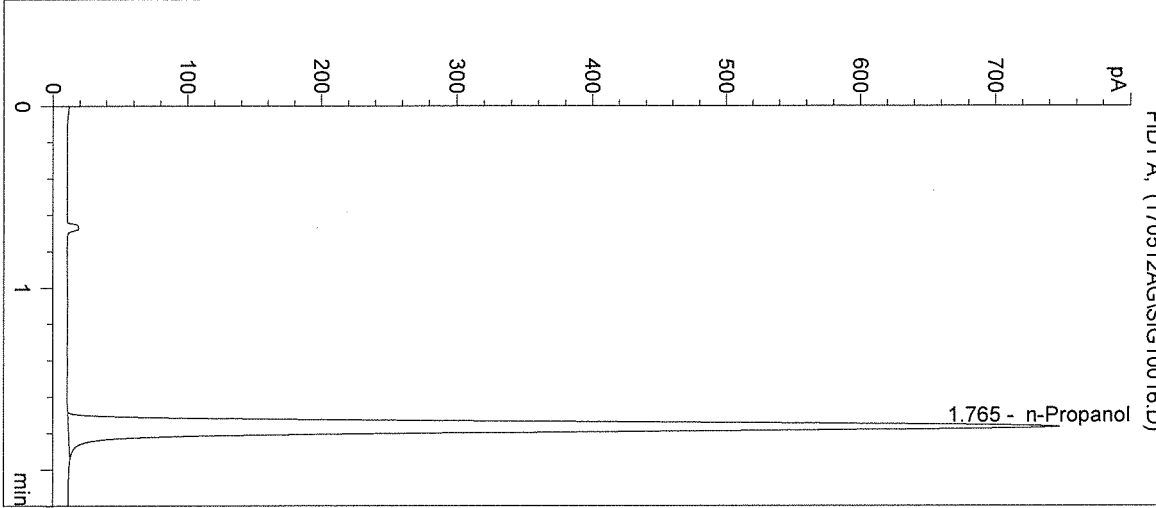
Operator: Andrew Gingras

Column: DB-ALC1

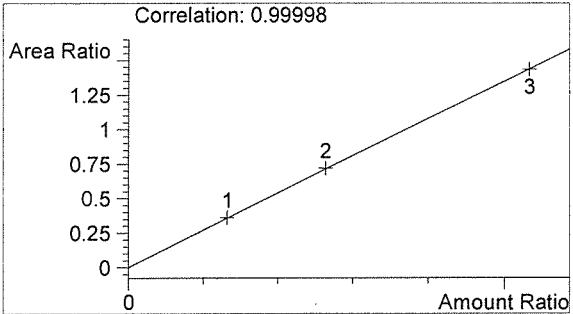
Location: Vial 16

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

Sample Info: 17040

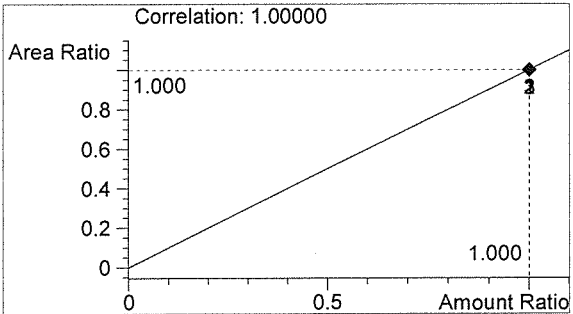


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2757 | 1.765 |



Ethanol 0.000 g/100mL

Handwritten mark



n-Propanol 0.012 g/100mL

Handwritten signature