



QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 16046

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: 11/03/2016
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Andrew Gingras

| | AG | AC | LK |
|---|-------|-------|-------|
| 1 | 0.101 | 0.102 | 0.100 |
| 2 | 0.101 | 0.102 | 0.100 |
| 3 | 0.101 | 0.100 | 0.101 |
| 4 | 0.101 | 0.100 | 0.101 |
| 5 | 0.101 | 0.100 | 0.100 |
| C | 0.104 | 0.102 | 0.101 |

ETHANOL CONTROL INFORMATION

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

RESULTS OF TESTING

AVERAGE SOLUTION CONCENTRATION: 0.1007 g/100mL PRECISION CV (%): 0.70
STANDARD DEVIATION: 0.00070 NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0819 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)


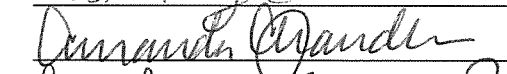
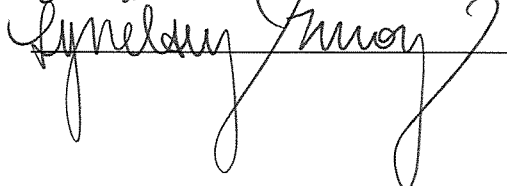
WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION



Brianne E. O'Reilly Technical Lead

11.14.2016
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

| ANALYST | NAME | SIGNATURE | DATE TESTED |
|---------|-----------------|--|-------------|
| AG | Andrew Gingras |  | 11/03/2016 |
| AC | Amanda Chandler |  | 11/04/2016 |
| LK | Lyndsey Knoy |  | 11/04/2016 |

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

QAP Solution Batch #: 16046

Date Prepared: 11/3/2016

| Analyst: | AG | AC | LK |
|--------------|-----------|-----------|-----------|
| Date Tested: | 11/3/2016 | 11/4/2016 | 11/4/2016 |
| Instrument: | HSGC #1 | HSGC #1 | HSGC #1 |
| 1 | 0.101 | 0.102 | 0.100 |
| 2 | 0.101 | 0.102 | 0.100 |
| 3 | 0.101 | 0.100 | 0.101 |
| 4 | 0.101 | 0.100 | 0.101 |
| 5 | 0.101 | 0.100 | 0.100 |
| C | 0.104 | 0.102 | 0.101 |

| CV^2_{COA} | $CV^2_{QAP\ Solution}$ | $CV^2_{Control}$ | $CV^2_{Part\ Coef}$ |
|--------------|------------------------|------------------|---------------------|
| 0.0000084100 | 0.0000032537 | 0.0000742713 | 0.0001016326 |

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

Average Solution Concentration: 0.1007 g/100mL
Standard Deviation: 0.00070 g/100mL
Precision CV (%): 0.70
Equivalent Vapor Concentration: 0.0819 g/210L
Combined Standard Uncertainty (\pm): 0.0011 g/210L
Expanded Uncertainty (\pm): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brianne E. O'Reilly Brianne O'Reilly 11-8-16
Name Signature Date

Calculations verified by: Amanda M. Black ASB 11-14-16
Name Signature Date

Method: Hand calculation

Tech. review performed by: Brianne E. O'Reilly Brianne O'Reilly 11-8-16
Name Signature Date

SIMULATOR SOLUTION DATA ENTRY REVIEW

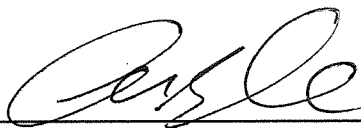
Reviewer/s: Amanda M. Black Date: 11-14-16

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16046

| | 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: _____

11-14-16

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

- 1) Checked your data
- 2) Checked the date to the right of your name on the Test Report
- 3) Signed the Test Report

| | Initials | Date |
|-------------------------------|----------|----------|
| Amanda Chandler | AZ | 11/8/14 |
| Andrew Gingras | AG | 11/11/16 |
| Asa Louis | | |
| Brittany Thomas | | |
| Christie Mitchell-Mata | | |
| Christopher Johnston | | |
| David Nguyen | | |
| Dawn Sklerov | | |
| Elizabeth Wehner | | |
| Justin Knoy | | |
| Katie Harris | | |
| Lyndsey Knoy | LN | 11.8.16 |
| Naziha Nuwayhid | | |
| Rebecca Flaherty | | |

Batch # 16046
Buo 11.8.16

JAY INSLEE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY

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

**0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION
CERTIFICATION FOR LOT 16046**

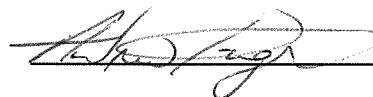
I, Andrew Gingras, do certify under penalty of perjury that:

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 16046, was prepared in the Washington State Toxicology Laboratory on 11/3/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/3/2017.

Seattle, WA

 11/14/2016

Andrew Gingras
Forensic Scientist

Date



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 16046**

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

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

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

The quality assurance procedure (QAP) solution, Lot Number 16046, was prepared in the Washington State Toxicology Laboratory on 11/3/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/3/2017.

Seattle, WA

A handwritten signature in black ink that reads "Amanda Chandler" followed by a date "11/3/16".

Amanda Chandler

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 16046**

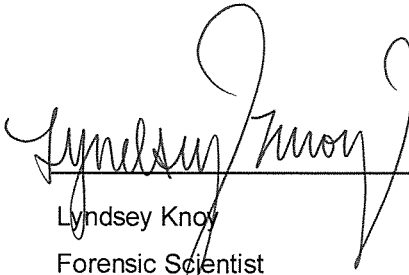
I, Lyndsey Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 16046, was prepared in the Washington State Toxicology Laboratory on 11/3/2016. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 11/3/2017.

Seattle, WA


Lyndsey Knoy
Forensic Scientist

11-8-16
Date

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

Preparation Date: 11/3/16 Expiration Date: 11/3/17 Initials of Preparer: [Signature]

Lot # of 200-proof Ethanol used in preparation: ZDK0010

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

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

Environmental conditions verified as acceptable: [checked box]

| Simulator Solution | Volume of Ethanol (mL) | Volume of Deionized Water (L) | | Batch Number |
|--------------------|------------------------|-------------------------------|-------------|--------------|
| QAP 0.04 | 11.2 | 18 | [] | |
| QAP 0.08 | 22.4 | 18 | [checked] | 16046 |
| QAP 0.10 | 28.1 | 18 | [] | |
| QAP 0.15 | 42.1 | 18 | [] | |
| QAP 0.20 | 56.1 | 18 | [] | |
| ESS | 66.5 | 52 | [] | |

Stir bar is rotating [checked box]

Stirred for minimum 30 minutes; 2 hours for ESS [checked box]

Spigot purged [checked box]

Aliquot taken [checked box]

Batch labeled, packaged and sealed [checked box]

Date: 11/3/16

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: [blank lines]

Analyst Signature [Signature]

Date: 11/3/16

BLW

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: 161103AG
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

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

n-Propanol ISTD - LOT# P0916 - 12/21/2016
 CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16045
 Dilutor #1.

16046
 Dec 11.8.16

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|---------|-----|------------|-----------|----------|
| 1 | Vial 1 | BLANK | SIMALC1 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC1 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC1 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC1 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | QAP 16045 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | QAP 16045 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | QAP 16045 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | QAP 16045 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | QAP 16045 #5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 17 | Vial 17 | QAP 16046 #1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | QAP 16046 #2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | QAP 16046 #3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | QAP 16046 #4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | QAP 16046 #5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | 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!

16046
Paw 11-8-11

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

Inj. Date: 11/3/2016 11:18:26 AM

Sample Name: QAP 16046 #1

Instrument: HSGC#1

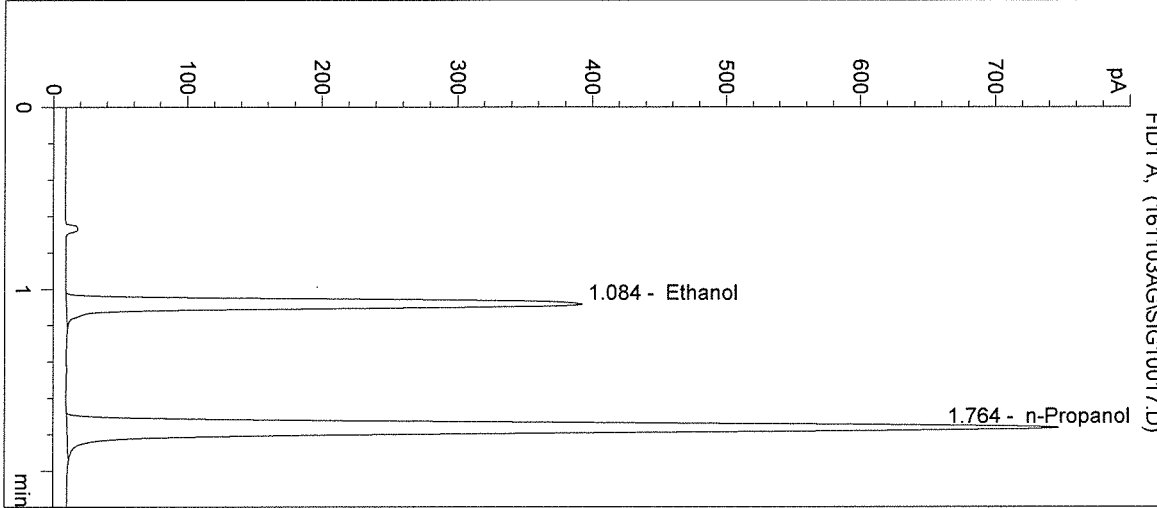
Operator: Andrew Gingras

Column: DB-ALC1

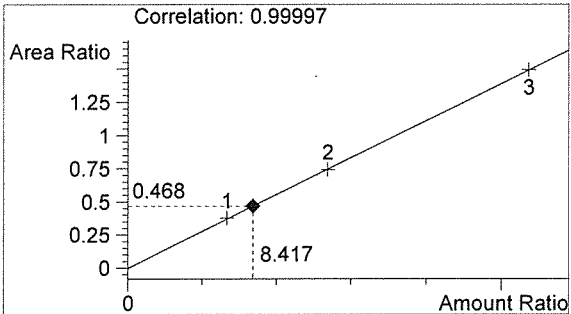
Location: Vial 17

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

Sample Info:

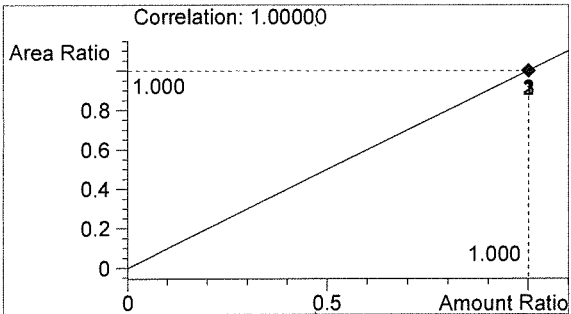


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1303 | 1.084 |
| 2 | n-Propanol | 2786 | 1.764 |



Ethanol 0.101 g/100mL

AW



n-Propanol 0.012 g/100mL

AW

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

Inj. Date: 11/3/2016 11:21:38 AM

Sample Name: QAP 16046 #2

Instrument: HSGC#1

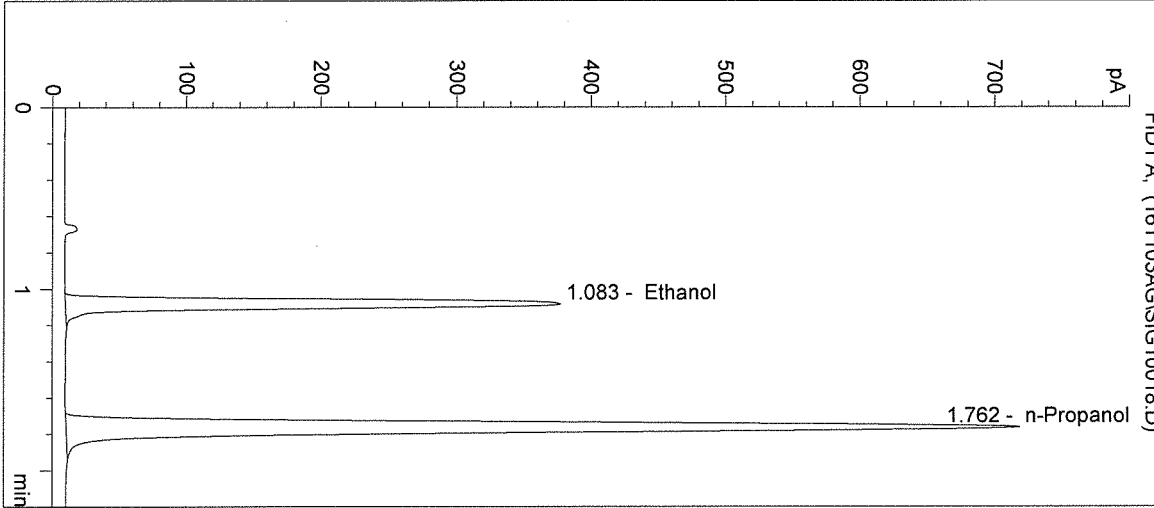
Operator: Andrew Gingras

Column: DB-ALC1

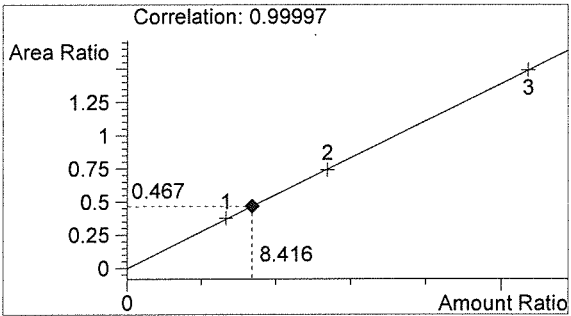
Location: Vial 18

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

Sample Info:

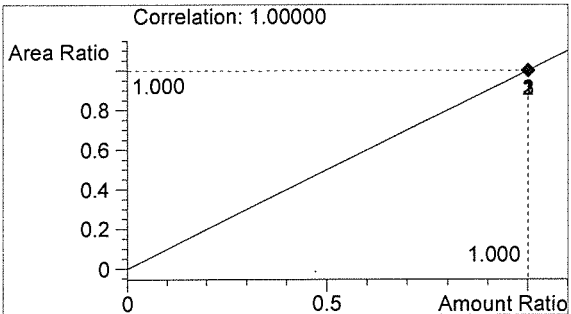


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1250 | 1.083 |
| 2 | n-Propanol | 2674 | 1.762 |



Ethanol 0.101 g/100mL

BWD



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 11/3/2016 11:24:51 AM

Sample Name: QAP 16046 #3

Instrument: HSGC#1

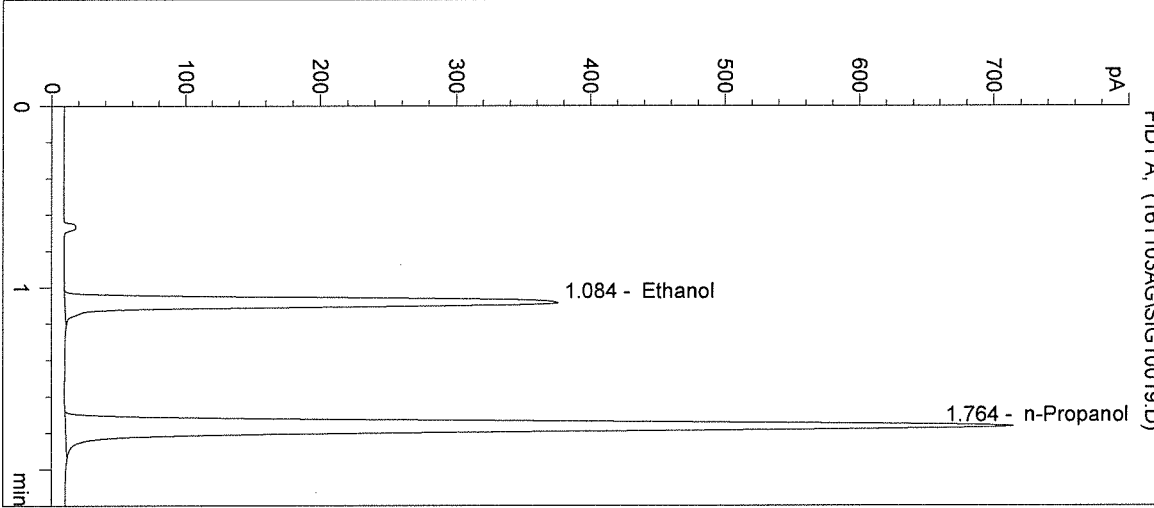
Operator: Andrew Gingras

Column: DB-ALC1

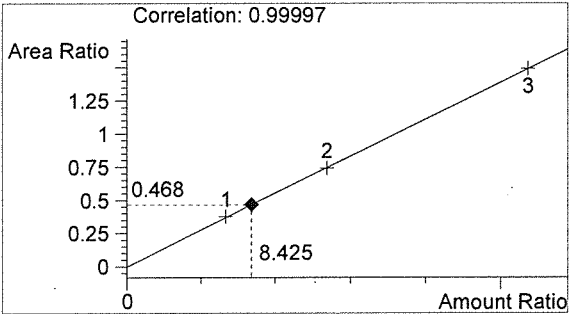
Location: Vial 19

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

Sample Info:

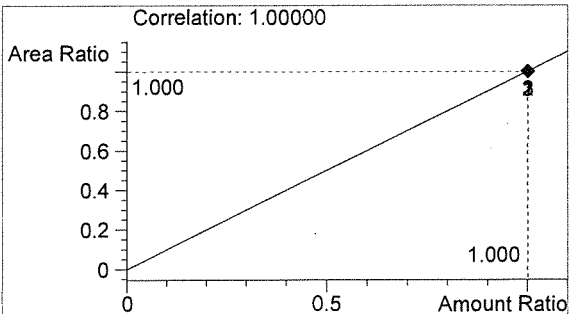


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1248 | 1.084 |
| 2 | n-Propanol | 2666 | 1.764 |



Ethanol 0.101 g/100mL

AWD



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 11/3/2016 11:28:04 AM

Sample Name: QAP 16046 #4

Instrument: HSGC#1

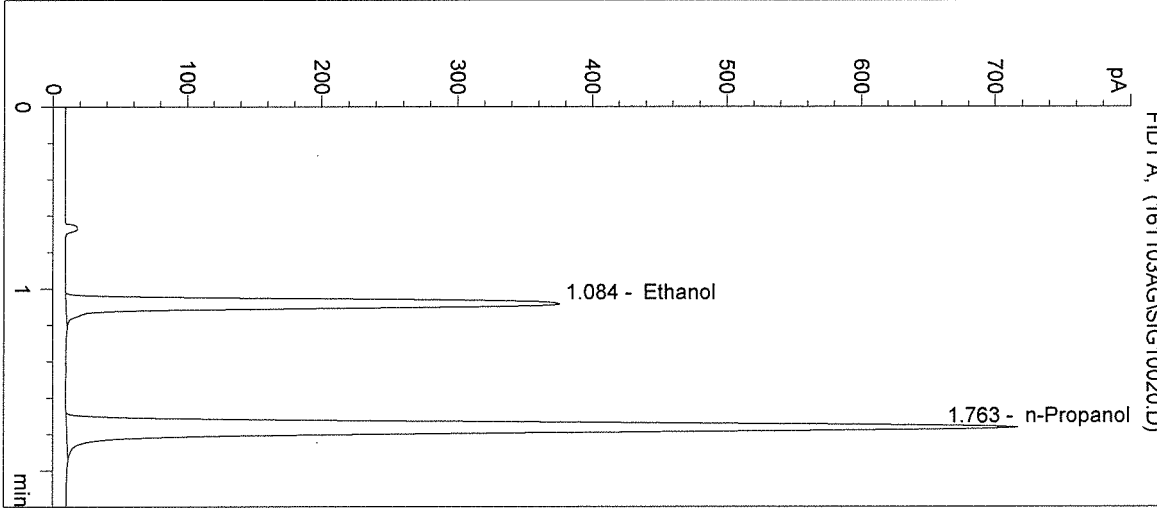
Operator: Andrew Gingras

Column: DB-ALC1

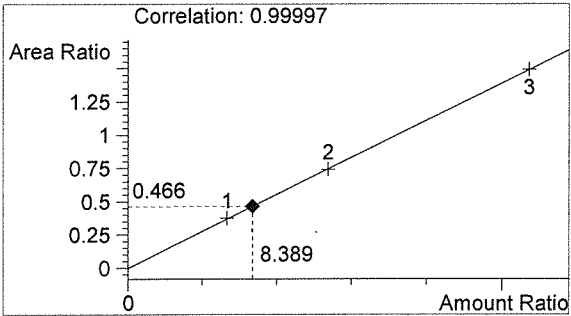
Location: Vial 20

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

Sample Info:

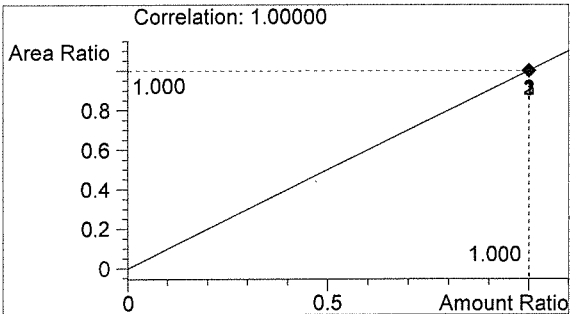


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1242 | 1.084 |
| 2 | n-Propanol | 2665 | 1.763 |



Ethanol 0.101 g/100mL

BW



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 11/3/2016 11:31:20 AM

Sample Name: QAP 16046 #5

Instrument: HSGC#1

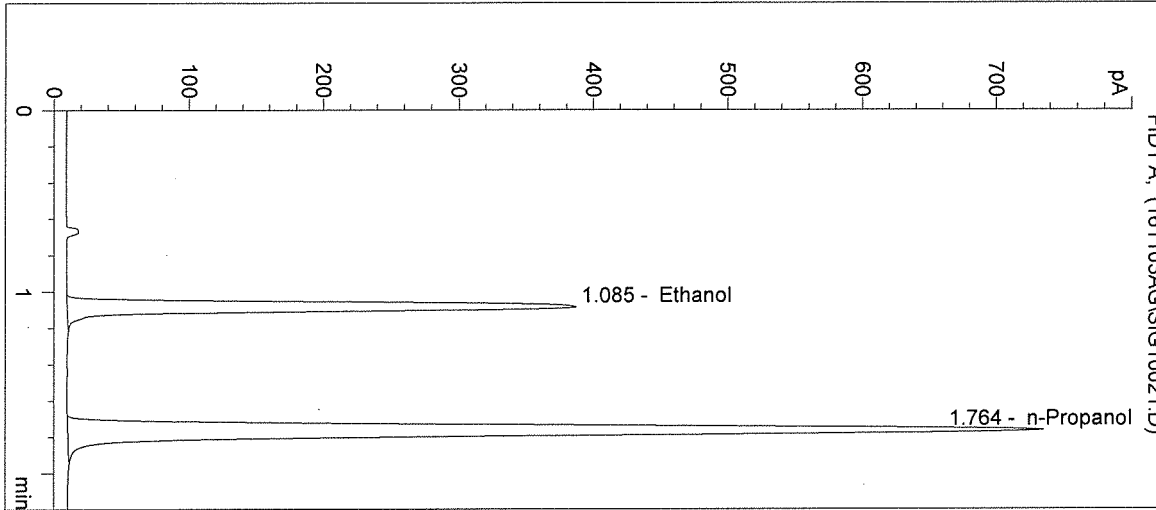
Operator: Andrew Gingras

Column: DB-ALC1

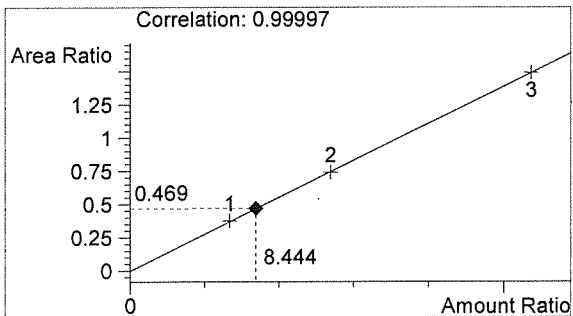
Location: Vial 21

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

Sample Info:

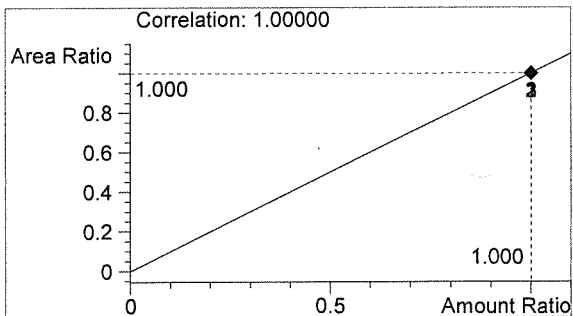


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1287 | 1.085 |
| 2 | n-Propanol | 2744 | 1.764 |



Ethanol 0.101 g/100mL

BLU



n-Propanol 0.012 g/100mL

AG

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

Inj. Date: 11/3/2016 11:34:31 AM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

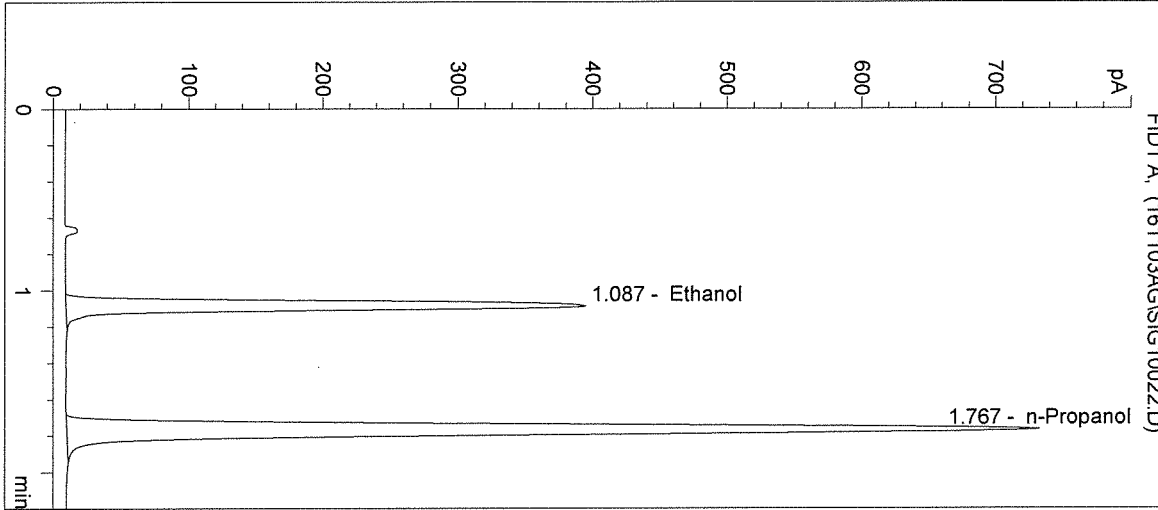
Operator: Andrew Gingras

Column: DB-ALC1

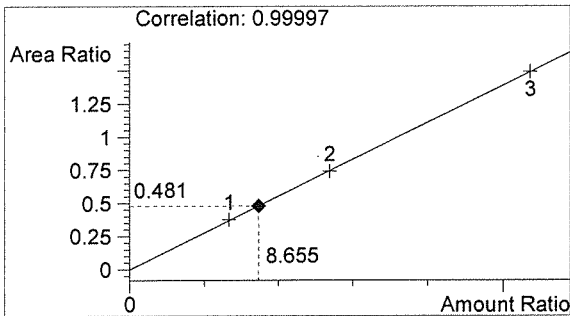
Location: Vial 22

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

Sample Info: 16046

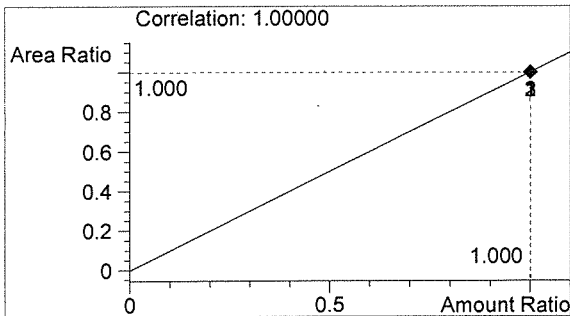


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1321 | 1.087 |
| 2 | n-Propanol | 2748 | 1.767 |



Ethanol 0.104 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: 11/3/2016 11:37:44 AM

Sample Name: NEG CTRL

Instrument: HSGC#1

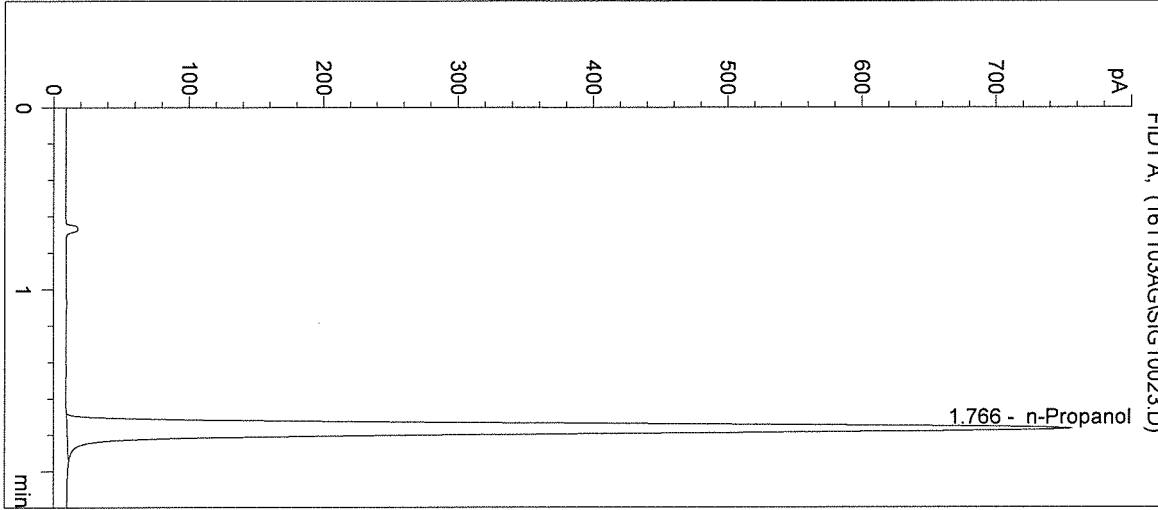
Operator: Andrew Gingras

Column: DB-ALC1

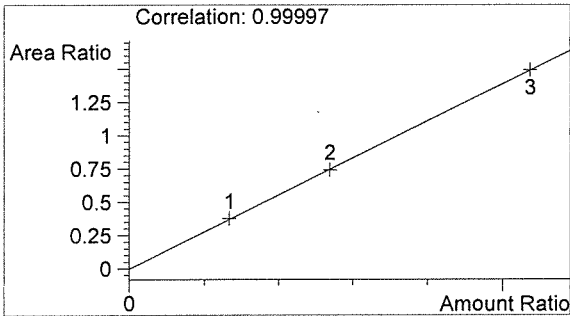
Location: Vial 23

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

Sample Info: 16046

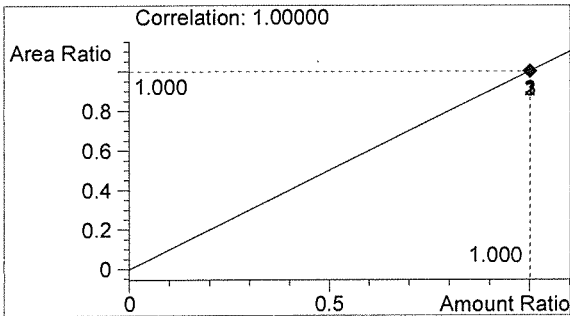


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2825 | 1.766 |



Ethanol 0.000 g/100mL

AWO



n-Propanol 0.012 g/100mL

AWO

Sequence Parameters:

Operator: Amanda Chandler
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 161104AC
 Part of Methods to run: According to Runtime Checklist
 Barcode Reader: not used
 Shutdown Cmd/Macro: none

Sequence Comment:

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

n-Propranol ISTD - LOT# P0916 - 12/21/2016
 CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
 CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
 CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 16045

16046
 PLW 8-11-8-16
 PLW
 11-8-16

Sequence Table (Front Injector):

Method and Injection Info Part:

| Line | Location | SampleName | Method | Inj | SampleType | InjVolume | DataFile |
|------|----------|--------------|---------|-----|------------|-----------|----------|
| 1 | Vial 1 | BLANK | SIMALC1 | 1 | Sample | | |
| 2 | Vial 2 | 0.079 CAL 1 | SIMALC1 | 1 | Calib | | |
| 3 | Vial 3 | 0.158 CAL 2 | SIMALC1 | 1 | Calib | | |
| 4 | Vial 4 | 0.316 CAL 3 | SIMALC1 | 1 | Calib | | |
| 5 | Vial 5 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 6 | Vial 6 | 0.04 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 7 | Vial 7 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 8 | Vial 8 | 0.20 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 9 | Vial 9 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 10 | Vial 10 | QAP 16045 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | QAP 16045 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | QAP 16045 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | QAP 16045 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | QAP 16045 #5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 17 | Vial 17 | QAP 16046 #1 | SIMALC1 | 1 | Sample | | |
| 18 | Vial 18 | QAP 16046 #2 | SIMALC1 | 1 | Sample | | |
| 19 | Vial 19 | QAP 16046 #3 | SIMALC1 | 1 | Sample | | |
| 20 | Vial 20 | QAP 16046 #4 | SIMALC1 | 1 | Sample | | |
| 21 | Vial 21 | QAP 16046 #5 | SIMALC1 | 1 | Sample | | |
| 22 | Vial 22 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 23 | Vial 23 | NEG CTRL | SIMALC1 | 1 | Ctrl Samp | | |

AC

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!

16046
PLU 11.8.16

AR

Inj. Date: 11/4/2016 9:33:51 AM

Sample Name: QAP 16046 #1

Instrument: HSGC#1

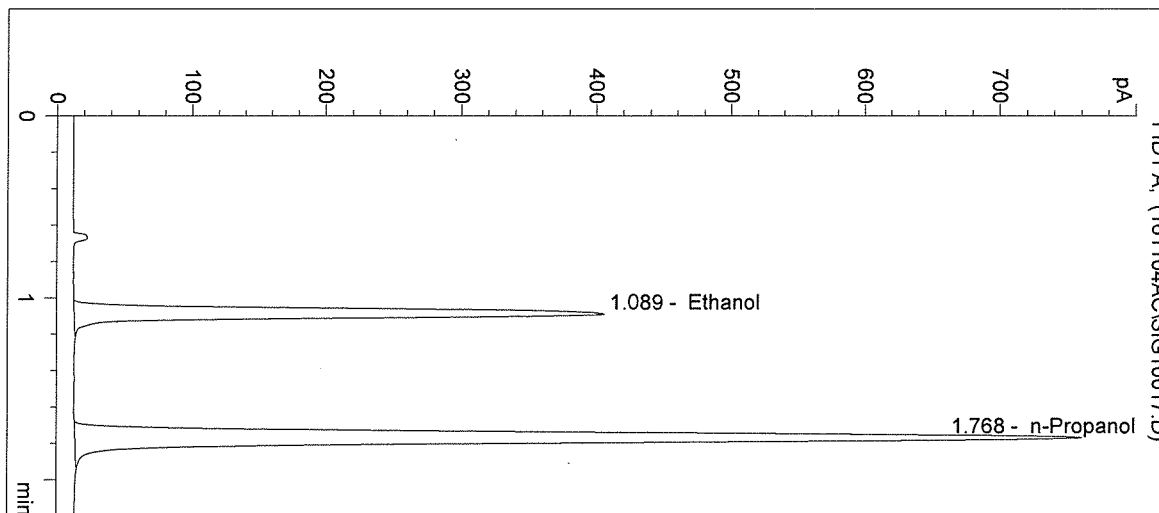
Operator: Amanda Chandler

Column: DB-ALC1

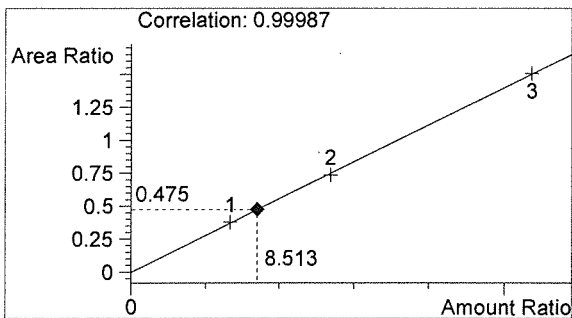
Location: Vial 17

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

Sample Info:

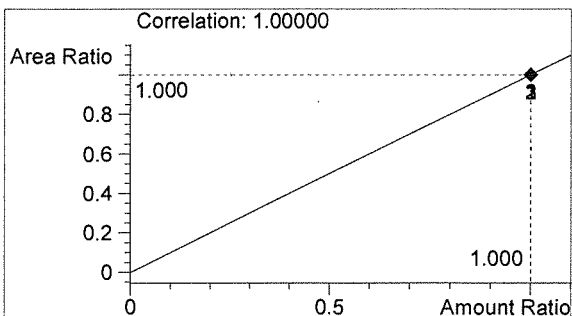


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1359 | 1.089 |
| 2 | n-Propanol | 2863 | 1.768 |



Ethanol 0.102 g/100mL

RWD



n-Propanol 0.012 g/100mL

AC

Inj. Date: 11/4/2016 9:37:04 AM

Sample Name: QAP 16046 #2

Instrument: HSGC#1

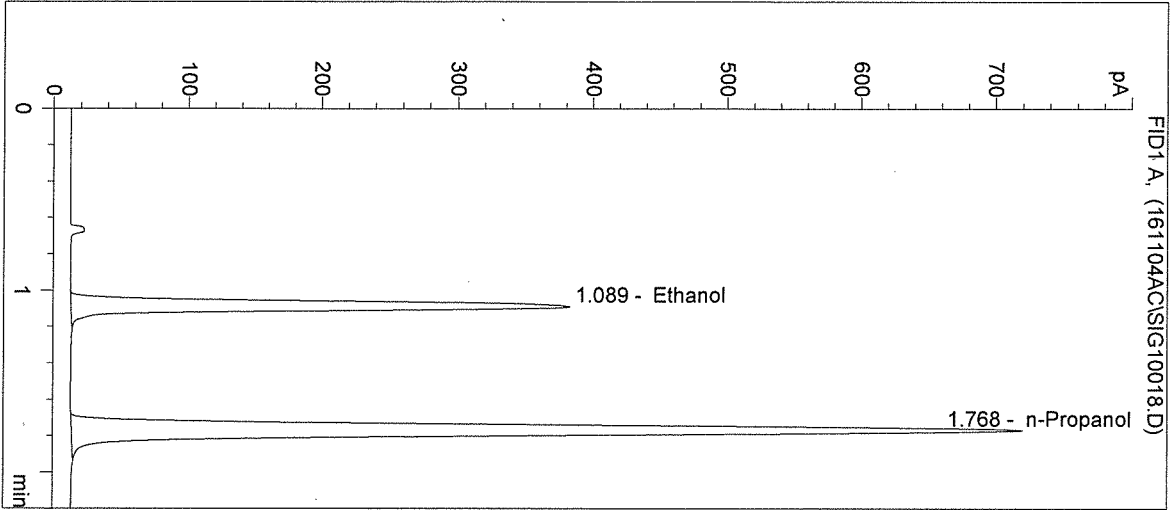
Operator: Amanda Chandler

Column: DB-ALC1

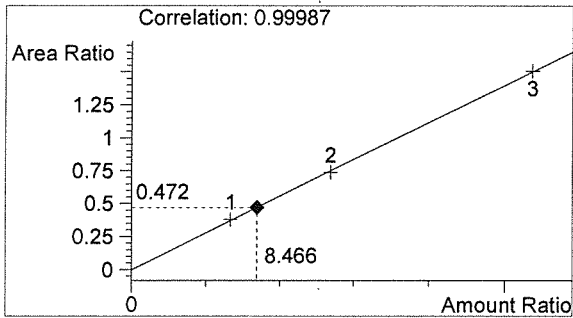
Location: Vial 18

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

Sample Info:

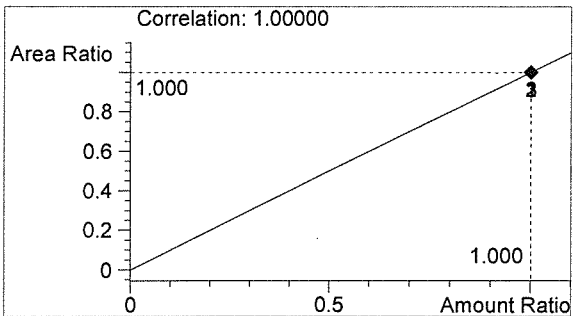


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1276 | 1.089 |
| 2 | n-Propanol | 2701 | 1.768 |



Ethanol 0.102 g/100mL

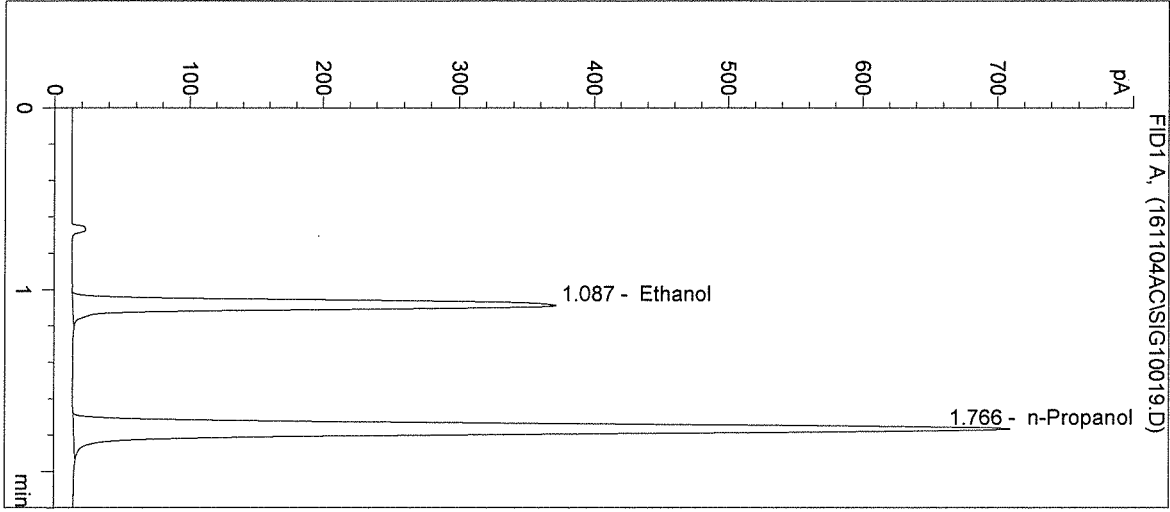
PWD



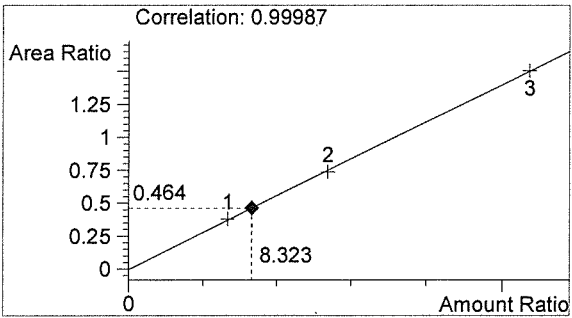
n-Propanol 0.012 g/100mL

AC

Inj. Date: 11/4/2016 9:40:17 AM Sample Name: QAP 16046 #3
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 19
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

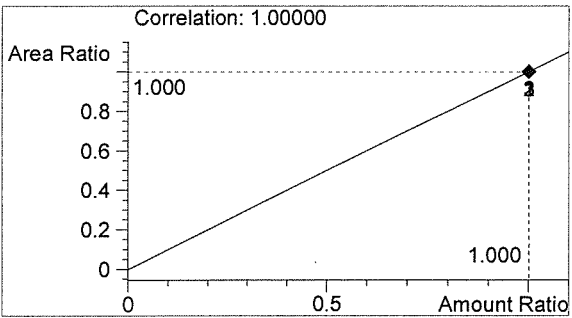


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1232 | 1.087 |
| 2 | n-Propanol | 2654 | 1.766 |



Ethanol 0.100 g/100mL

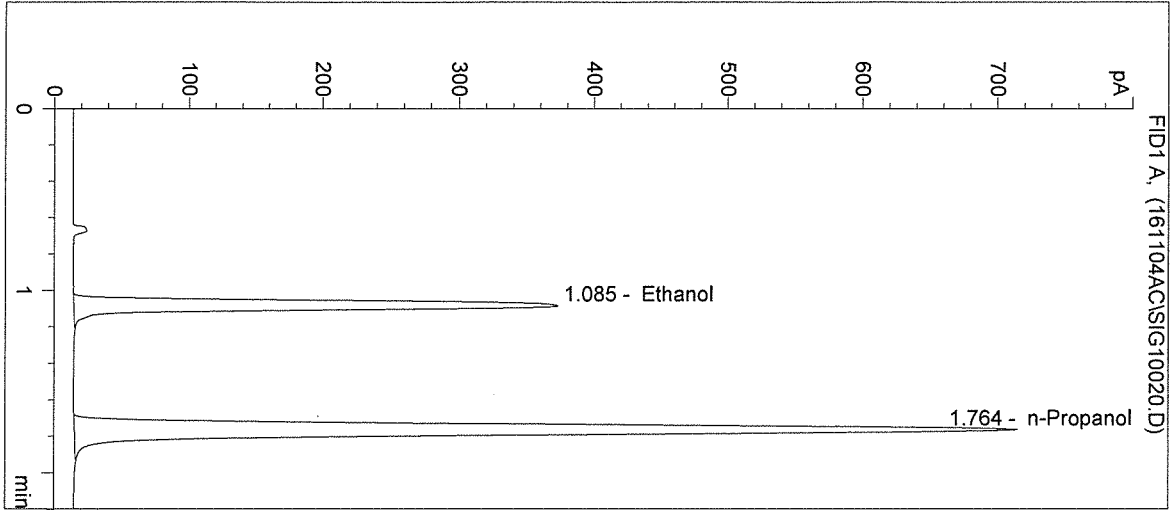
BW



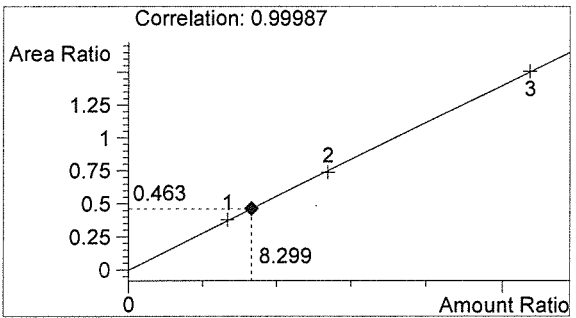
n-Propanol 0.012 g/100mL

AR

Inj. Date: 11/4/2016 9:43:31 AM Sample Name: QAP 16046 #4
 Instrument: HSGC#1 Operator: Amanda Chandler
 Column: DB-ALC1 Location: Vial 20
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

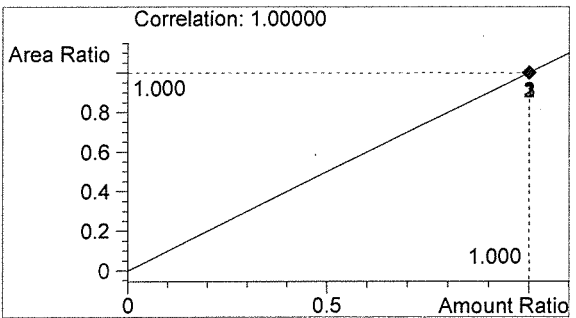


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1225 | 1.085 |
| 2 | n-Propanol | 2646 | 1.764 |



Ethanol 0.100 g/100mL

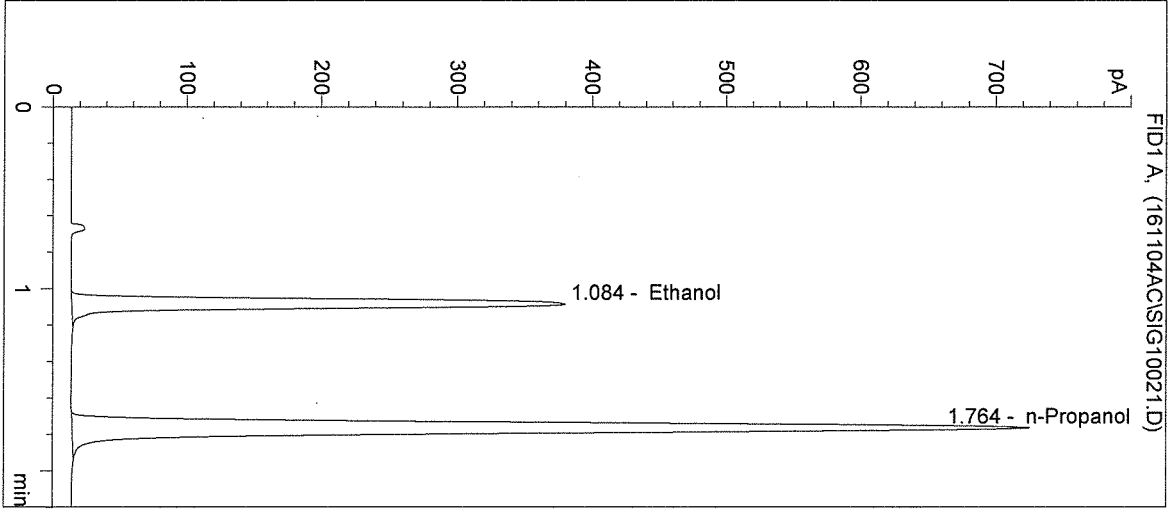
Plus



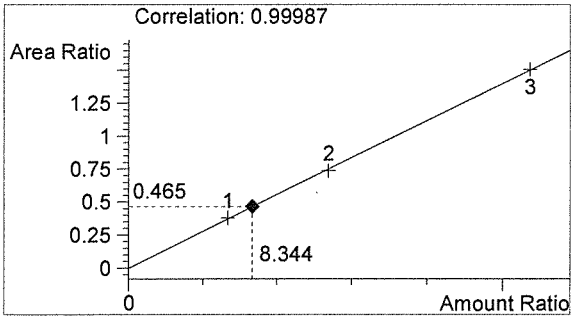
n-Propanol 0.012 g/100mL

AR

Inj. Date: 11/4/2016 9:46:46 AM Sample Name: QAP 16046 #5
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 21
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

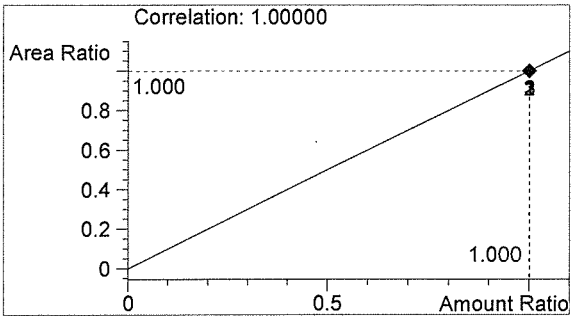


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1253 | 1.084 |
| 2 | n-Propanol | 2692 | 1.764 |



Ethanol 0.100 g/100mL

AWD

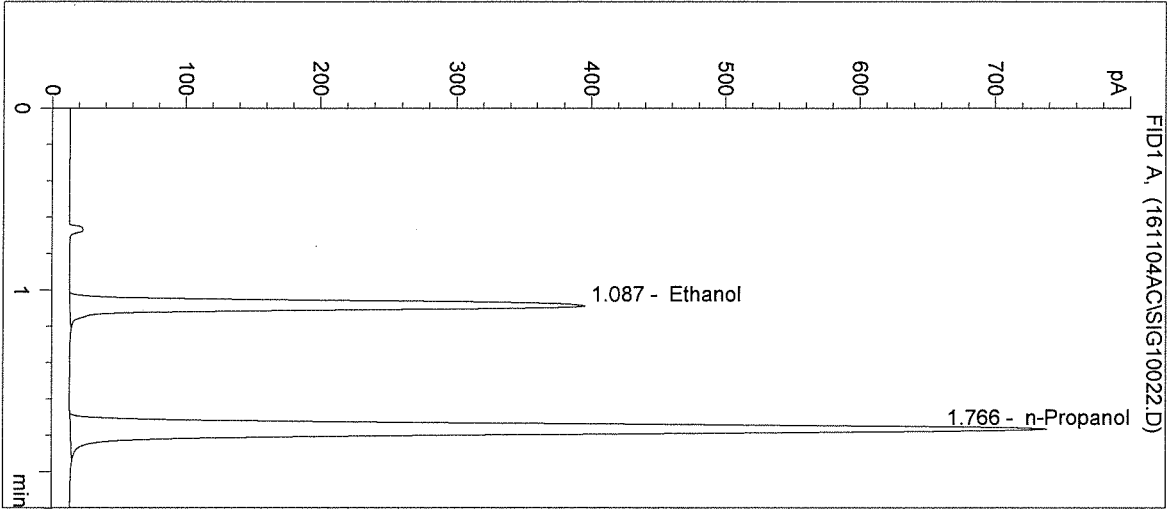


n-Propanol 0.012 g/100mL

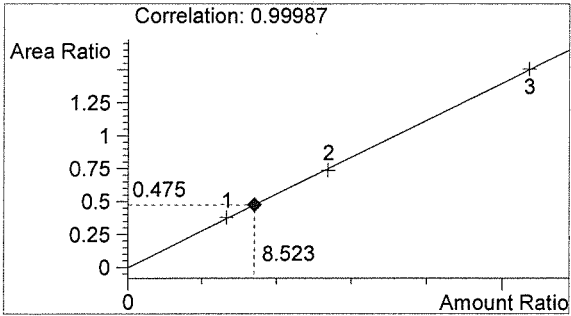
AR

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

Inj. Date: 11/4/2016 9:49:57 AM Sample Name: 0.10 CTRL
 Instrument: HSGC#1 Operator: Amanda Chandler
 Column: DB-ALC1 Location: Vial 22
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16046

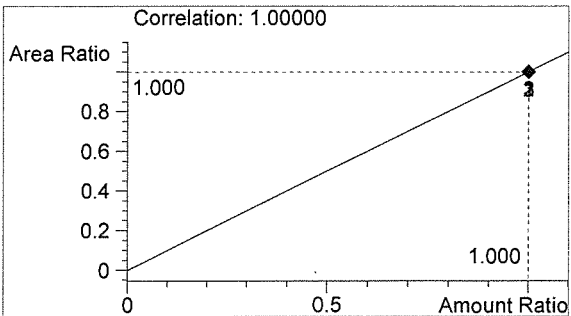


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1311 | 1.087 |
| 2 | n-Propanol | 2758 | 1.766 |



Ethanol 0.102 g/100mL

AWO

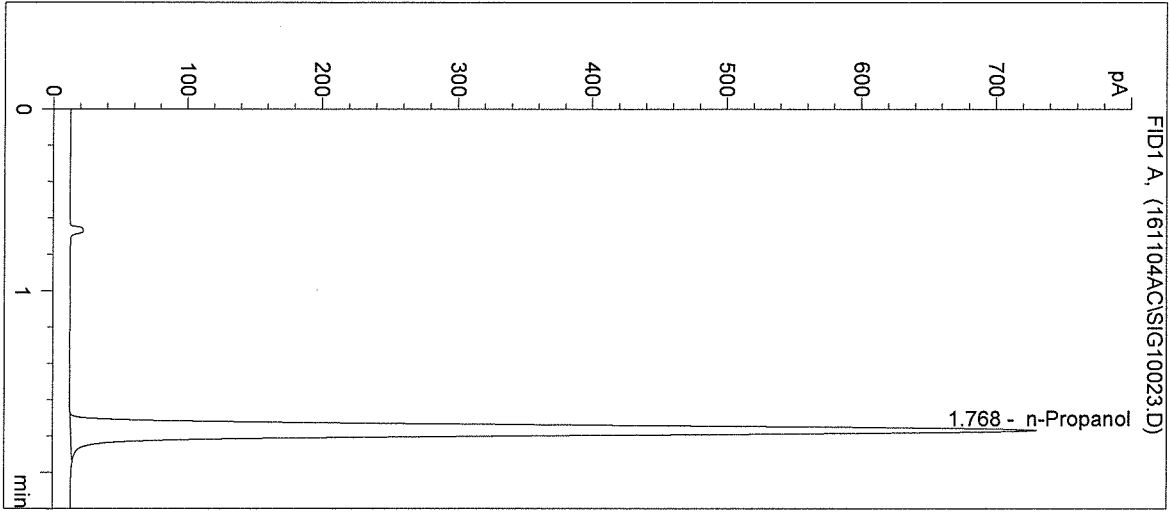


n-Propanol 0.012 g/100mL

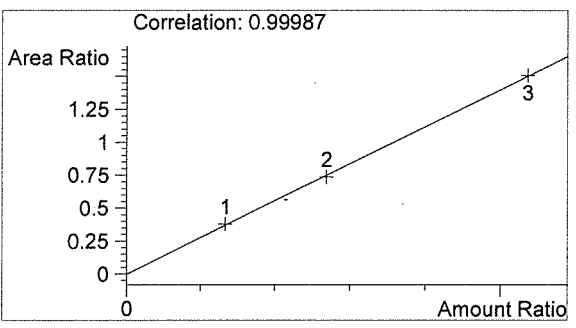
AW

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

Inj. Date: 11/4/2016 9:53:11 AM Sample Name: NEG CTRL
Instrument: HSGC#1 Operator: Amanda Chandler
Column: DB-ALC1 Location: Vial 23
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

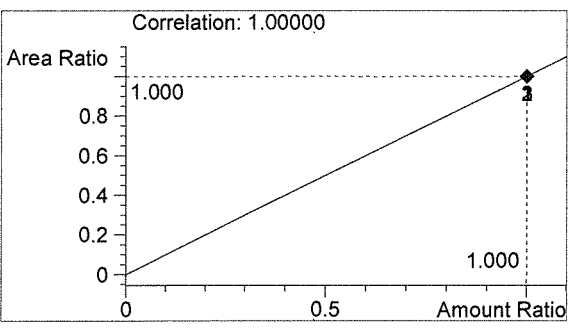


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2744 | 1.768 |



Ethanol 0.000 g/100mL

AWD



n-Propanol 0.012 g/100mL

AW

Sequence Parameters:

Operator: Lyndsey Knoy
 Data File Naming: Prefix/Counter
 Signal 1 Prefix: SIG1
 Counter: 0001
 Signal 2 Prefix: SIG2
 Counter: 0001
 Data Directory: C:\HPCHEM\1\DATA\
 Data Subdirectory: 161104L2
 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, E0916-01 - Exp. 03/15/17
 Ethanol Calibrator 2 0.158 g/100 mL, E0916-02 - Exp. 03/15/17
 Ethanol Calibrator 3 0.316 g/100 mL, E0916-03 - Exp. 03/15/17

 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#P0916 - Exp. 12/21/2016

 Calibration 1-9 filed with 16046

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 | 16046 #1 | SIMALC1 | 1 | Sample | | |
| 11 | Vial 11 | 16046 #2 | SIMALC1 | 1 | Sample | | |
| 12 | Vial 12 | 16046 #3 | SIMALC1 | 1 | Sample | | |
| 13 | Vial 13 | 16046 #4 | SIMALC1 | 1 | Sample | | |
| 14 | Vial 14 | 16046 #5 | SIMALC1 | 1 | Sample | | |
| 15 | Vial 15 | 0.10 CTRL | SIMALC1 | 1 | Ctrl Samp | | |
| 16 | Vial 16 | Negative CTRL | SIMALC1 | 1 | Ctrl Samp | | |

Puo

Calibration Part:

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

JK

| Line | Location | SampleName | Method | CalLev | Update RF | Update RT | Interval |
|------|----------|-------------|---------|--------|-----------|-----------|----------|
| 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!

16046
Rw 11-8-16

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

Calib. Data Modified : Friday, November 04, 2016 3:00:21 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.000000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

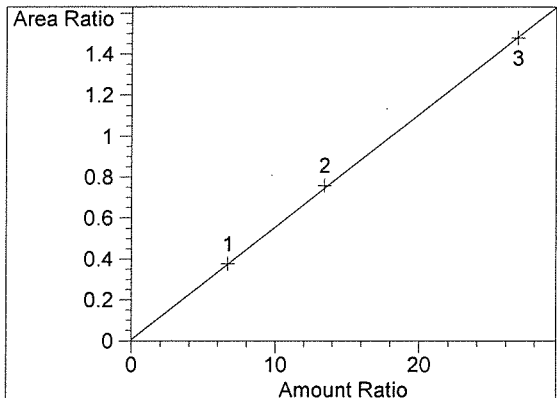
| RetTime [min] | Lvl Sig | Amount [g/100mL] | Area | Amt/Area | Ref Grp | Name |
|---------------|---------|------------------|------------|------------|---------|------------|
| 1.085 | 1 1 | 8.00100e-2 | 989.32159 | 8.08736e-5 | 1 | Ethanol |
| | | 2 1.61200e-1 | 2062.40161 | 7.81613e-5 | | |
| | | 3 3.21790e-1 | 3856.72510 | 8.34361e-5 | | |
| 1.764 | 1 1 | 1.20000e-2 | 2633.94067 | 4.55591e-6 | I1 | n-Propanol |
| | | 2 1.20000e-2 | 2721.46582 | 4.40939e-6 | | |
| | | 3 1.20000e-2 | 2609.59375 | 4.59842e-6 | | |

16046
File 11-8-14

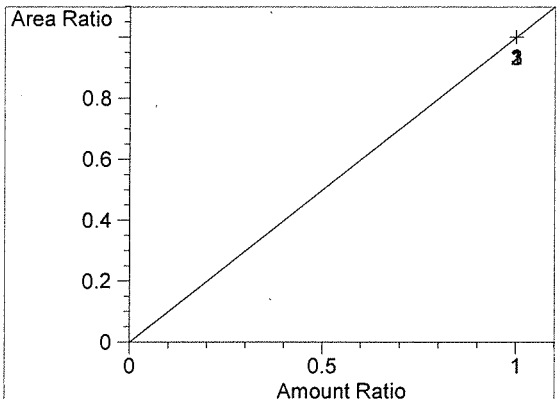
=====
Peak Sum Table
=====

No Entries in table
=====

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



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99991
Residual Std. Dev.: 0.01018
Formula: $y = mx + b$
m: 5.50841e-2
b: 6.74364e-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

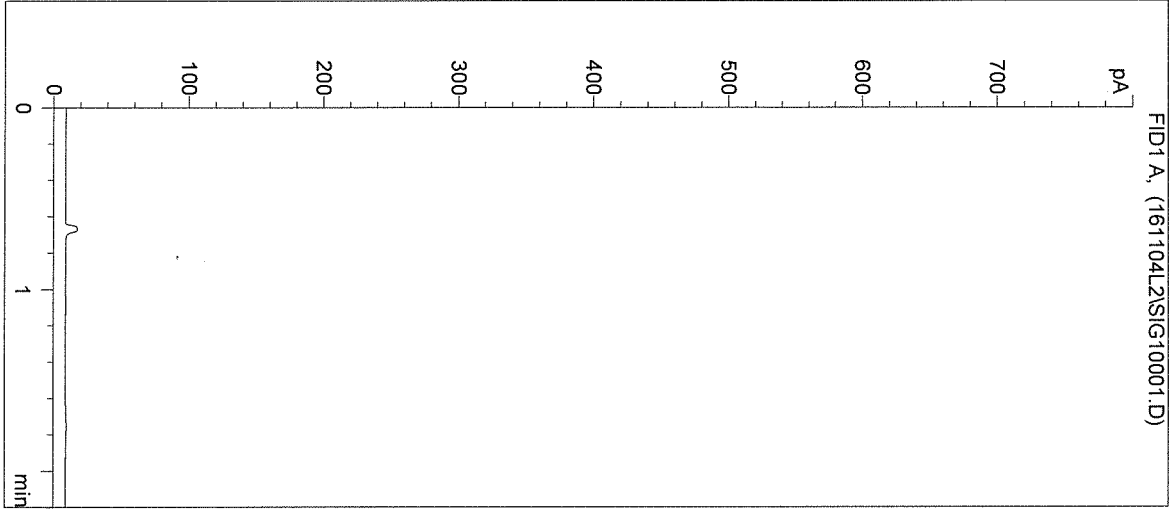
=====

16046
Buo 11-8-14

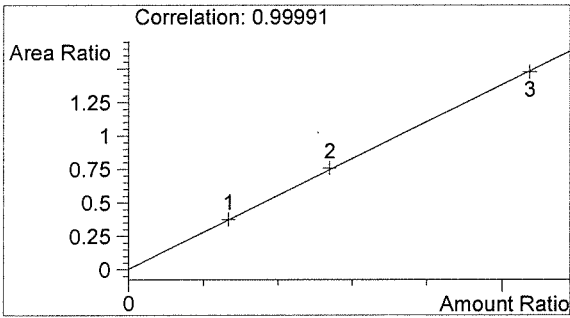
fu

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

Inj. Date: 11/4/2016 2:48:15 PM Sample Name: BLANK
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

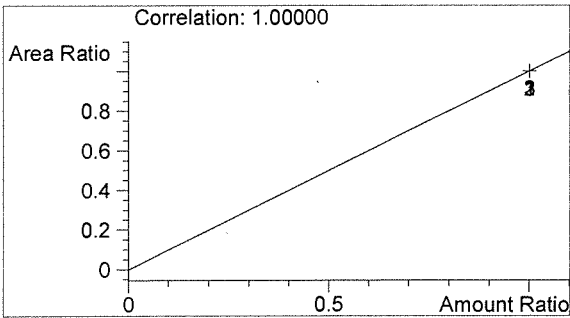


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 0 | 0.000 |



Ethanol 0.000 g/100mL

BLW

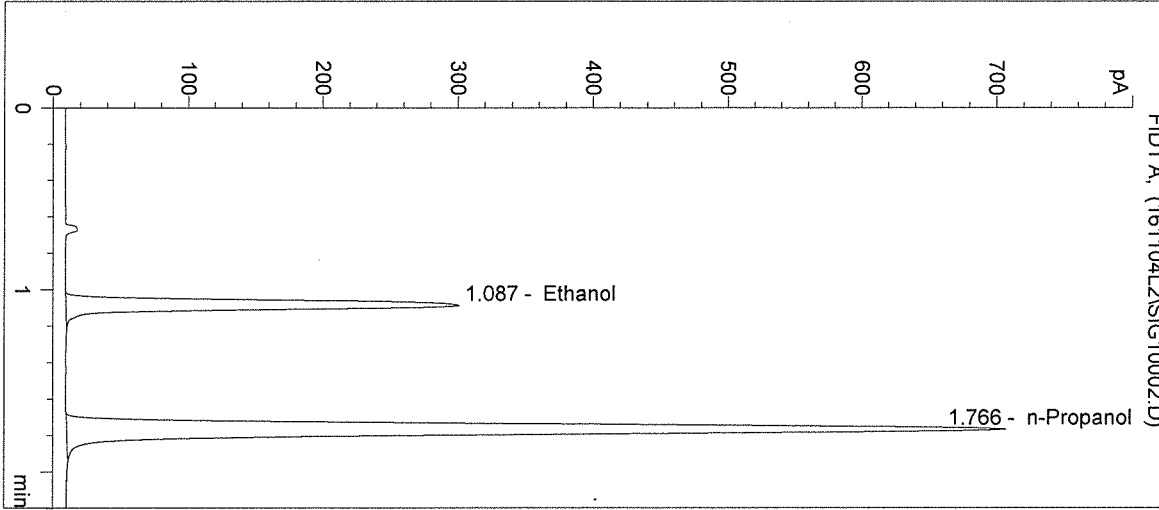


n-Propanol 0.000 g/100mL

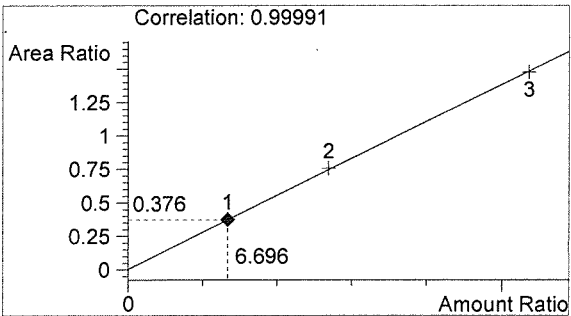
JK

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

Inj. Date: 11/4/2016 2:51:33 PM Sample Name: 0.079 CAL 1
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 2
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

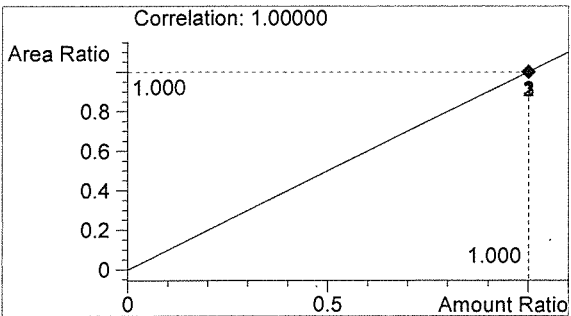


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 989 | 1.087 |
| 2 | n-Propanol | 2634 | 1.766 |



Ethanol 0.080 g/100mL

AWO



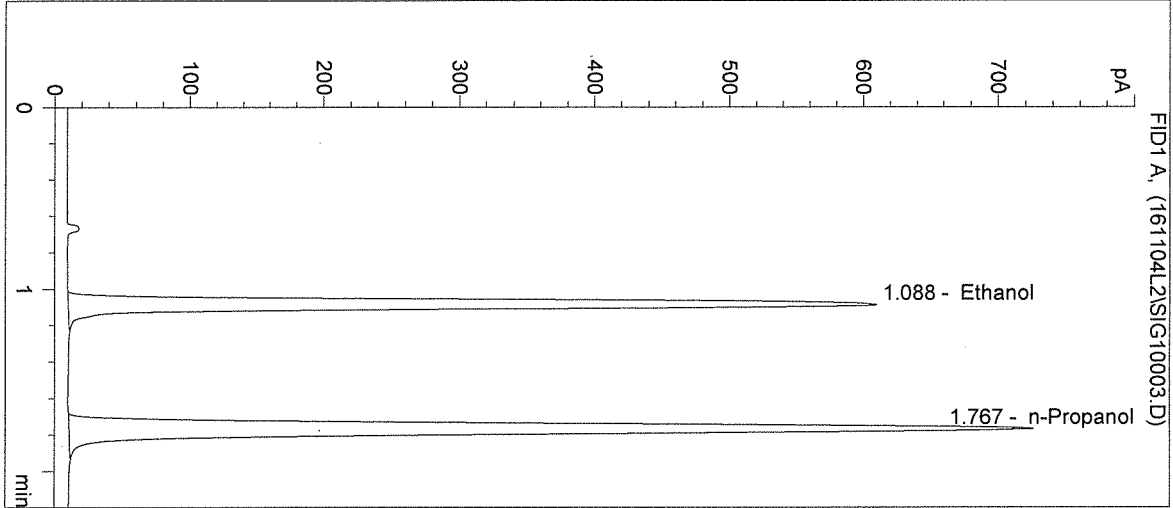
n-Propanol 0.012 g/100mL

fu

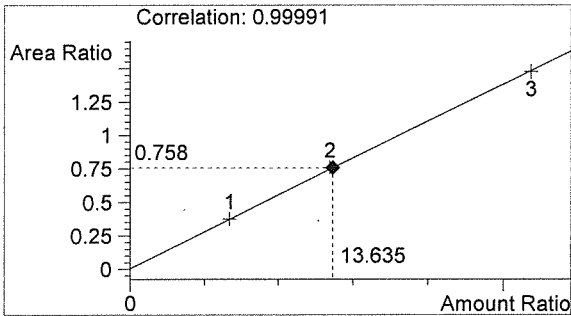
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/4/2016 2:54:50 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16046

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

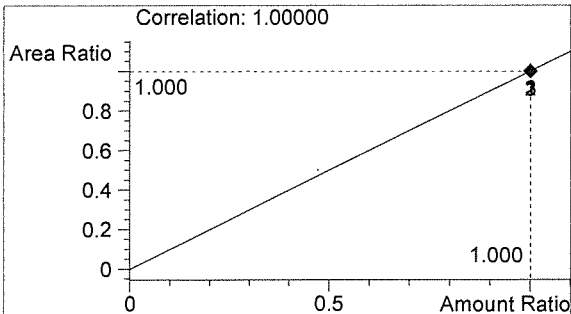


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2062 | 1.088 |
| 2 | n-Propanol | 2721 | 1.767 |



Ethanol 0.164 g/100mL

BW



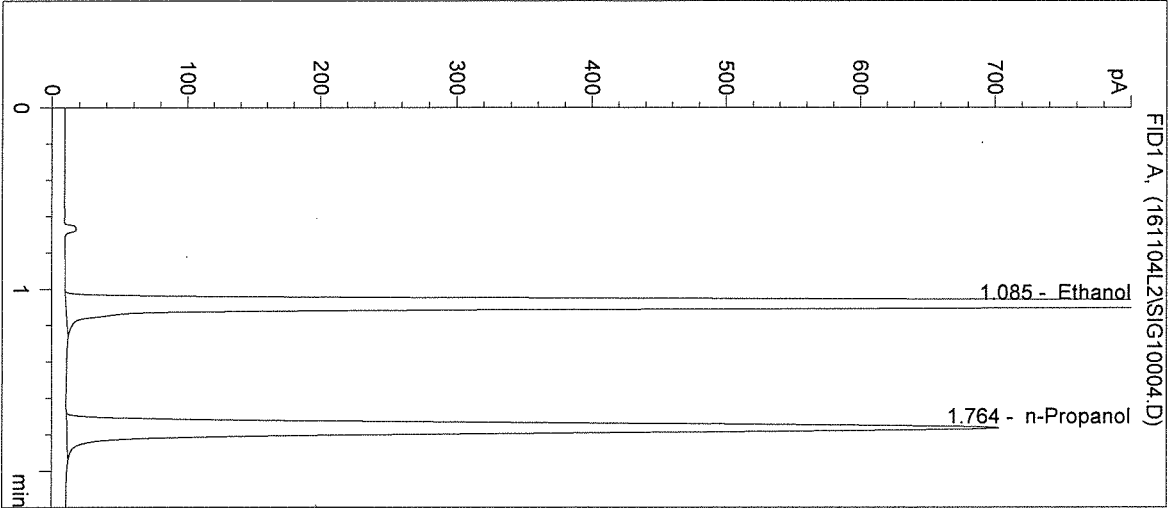
n-Propanol 0.012 g/100mL

lu

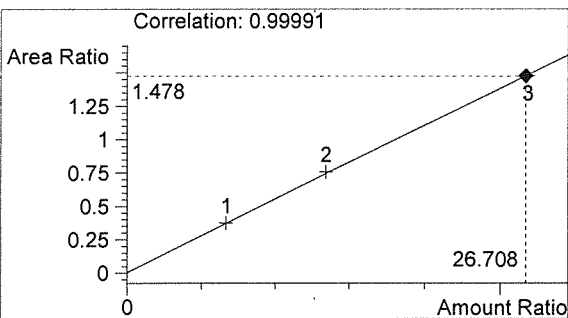
Washington State Patrol Toxicology Laboratory
 2203 Airport Way S Seattle, WA 98134

Inj. Date: 11/4/2016 2:58:08 PM
 Instrument: HSGC#1
 Column: DB-ALC1
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info: 16046

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

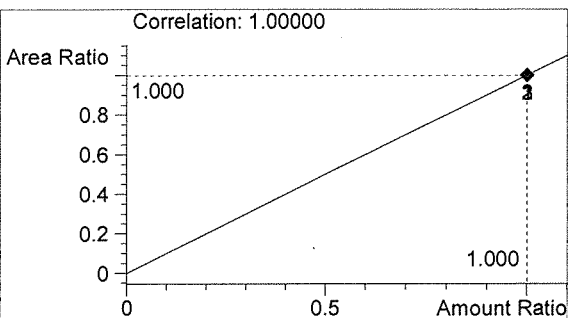


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 3857 | 1.085 |
| 2 | n-Propanol | 2610 | 1.764 |



Ethanol 0.320 g/100mL

AWO

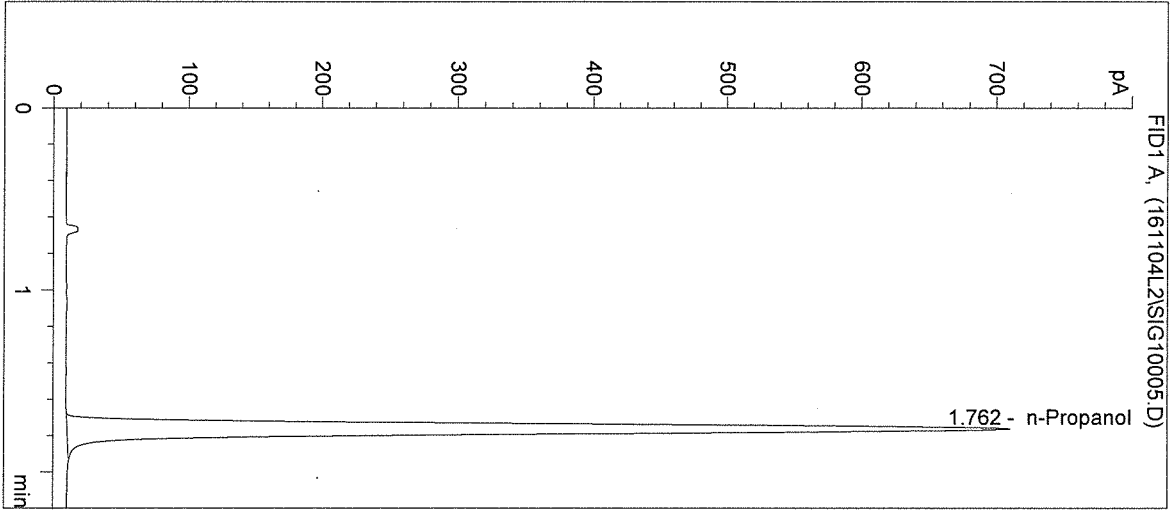


n-Propanol 0.012 g/100mL

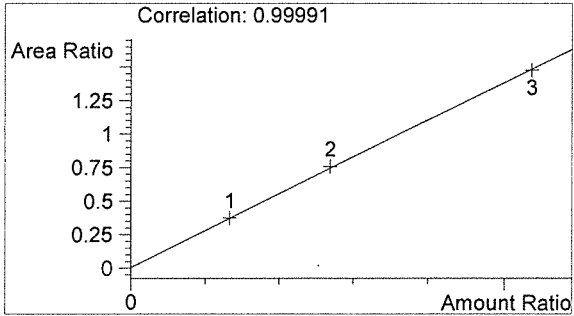
LM

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

Inj. Date: 11/4/2016 3:01:21 PM Sample Name: Negative CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 5
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

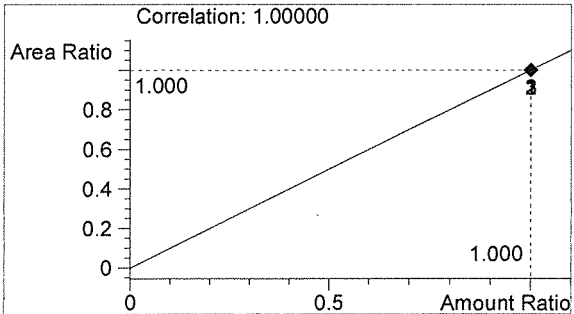


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2628 | 1.762 |



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

fw

Inj. Date: 11/4/2016 3:04:34 PM

Sample Name: 0.04 CTRL

Instrument: HSGC#1

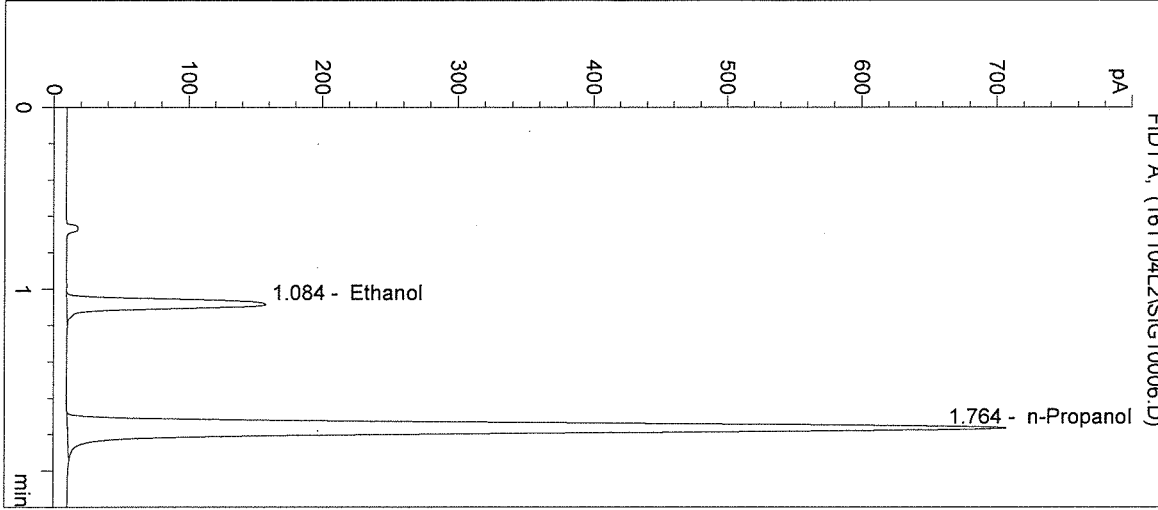
Operator: Lyndsey Knoy

Column: DB-ALC1

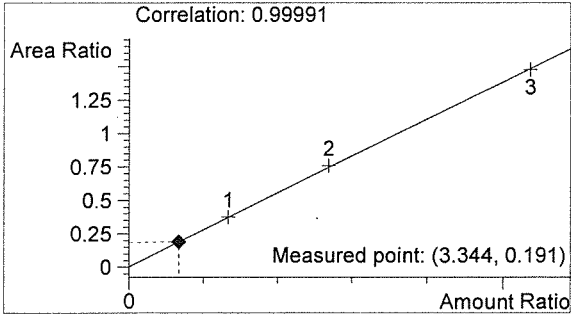
Location: Vial 6

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

Sample Info: 16046

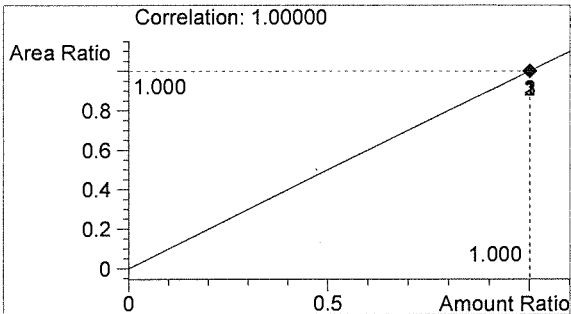


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 503 | 1.084 |
| 2 | n-Propanol | 2633 | 1.764 |



Ethanol 0.040 g/100mL

AW



n-Propanol 0.012 g/100mL

JK

Inj. Date: 11/4/2016 3:07:48 PM

Sample Name: 0.10 CTRL

Instrument: HSGC#1

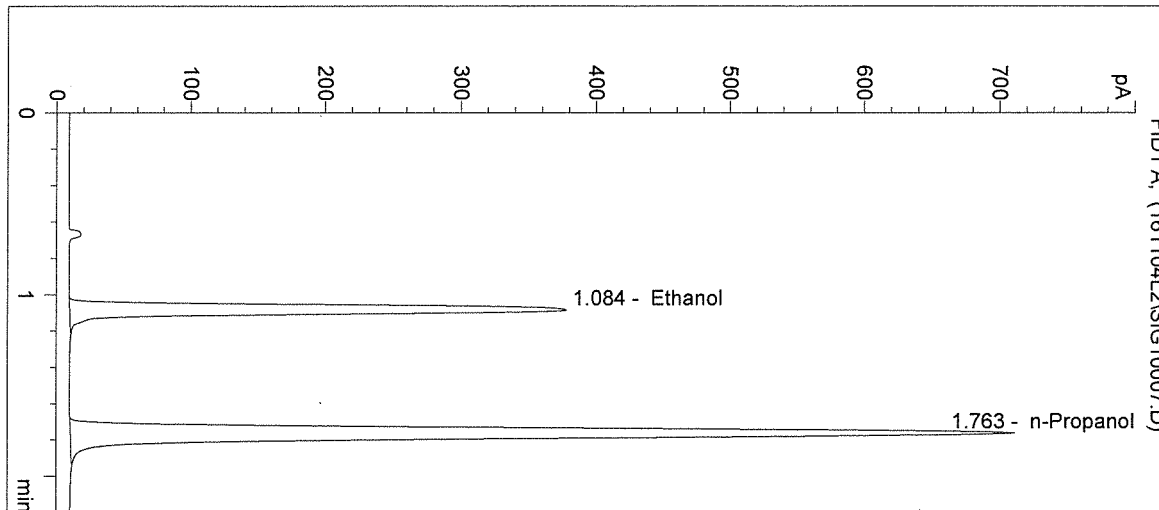
Operator: Lyndsey Knoy

Column: DB-ALC1

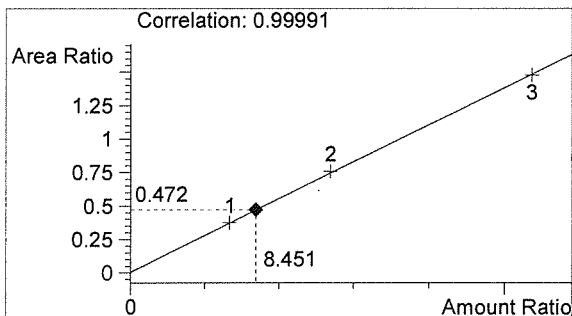
Location: Vial 7

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

Sample Info: 16046

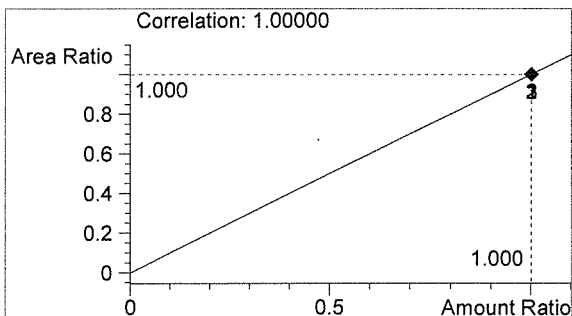


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1248 | 1.084 |
| 2 | n-Propanol | 2643 | 1.763 |



Ethanol 0.101 g/100mL

AWD

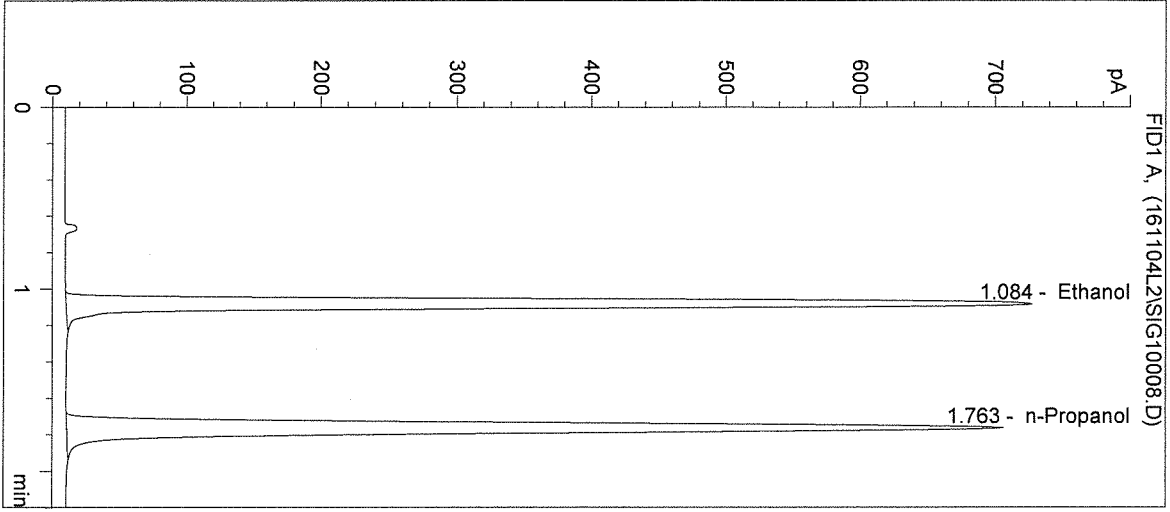


n-Propanol 0.012 g/100mL

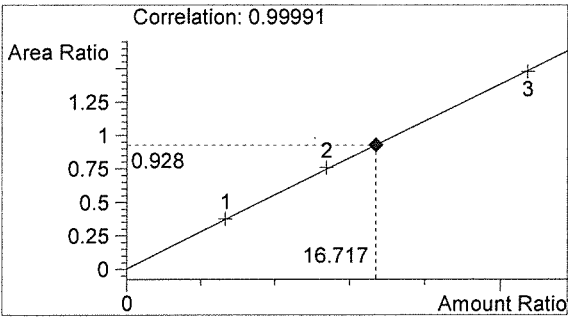
JK

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

Inj. Date: 11/4/2016 3:11:01 PM Sample Name: 0.20 CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 8
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

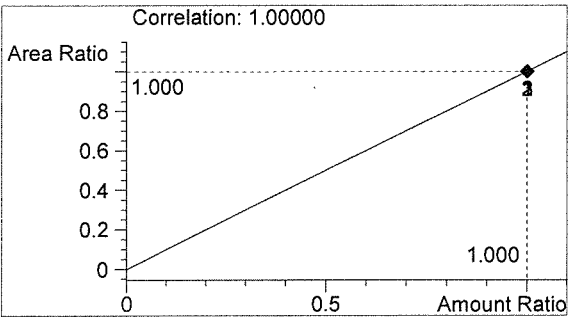


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 2424 | 1.084 |
| 2 | n-Propanol | 2613 | 1.763 |



Ethanol 0.201 g/100mL

BW

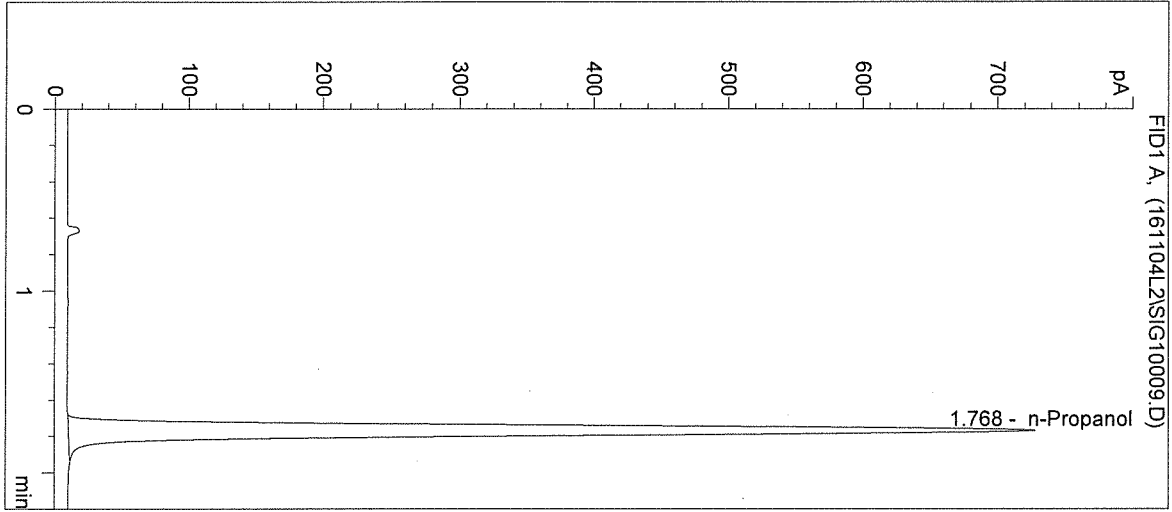


n-Propanol 0.012 g/100mL

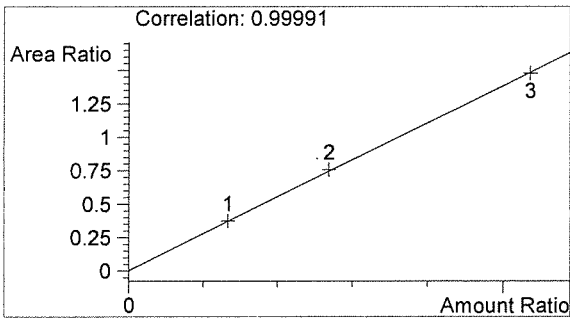
lu

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

Inj. Date: 11/4/2016 3:14:14 PM Sample Name: Negative CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 9
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

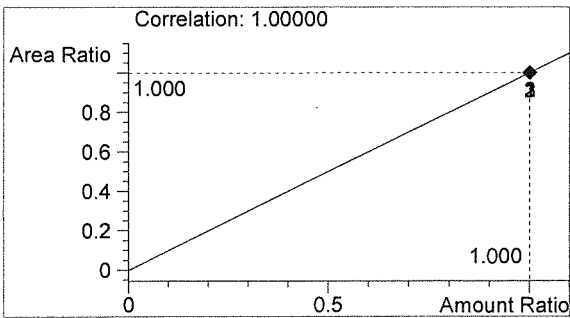


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2725 | 1.768 |



Ethanol 0.000 g/100mL

BLW

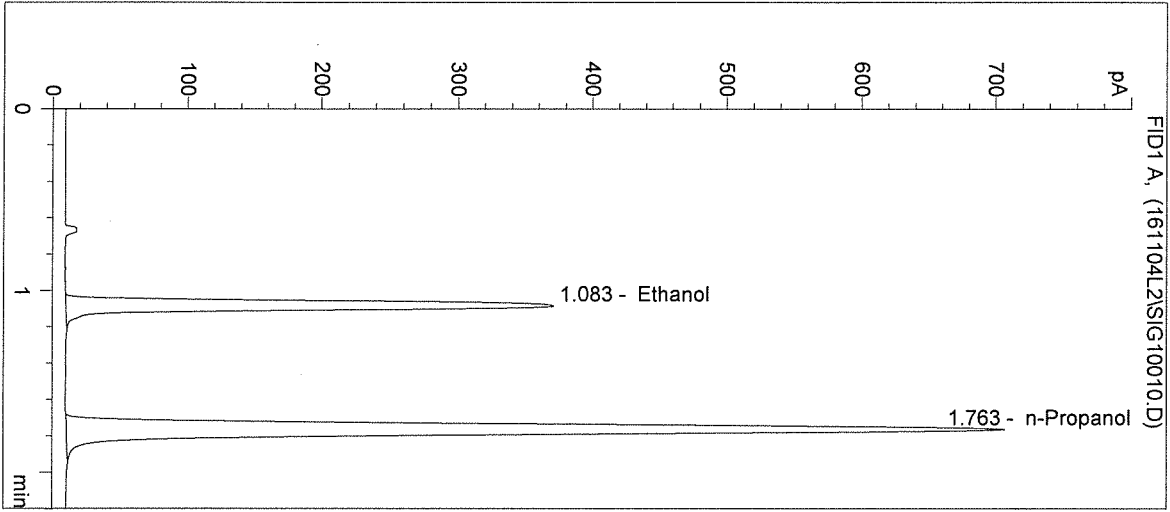


n-Propanol 0.012 g/100mL

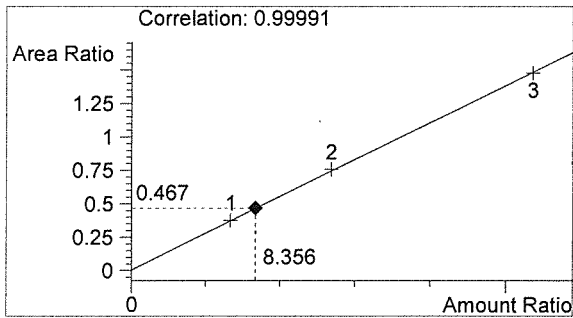
fu

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

Inj. Date: 11/4/2016 3:17:27 PM Sample Name: 16046 #1
 Instrument: HSGC#1 Operator: Lyndsey Knoy
 Column: DB-ALC1 Location: Vial 10
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

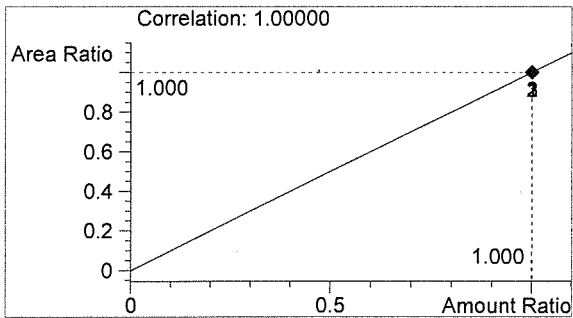


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1220 | 1.083 |
| 2 | n-Propanol | 2613 | 1.763 |



Ethanol 0.100 g/100mL

Rec

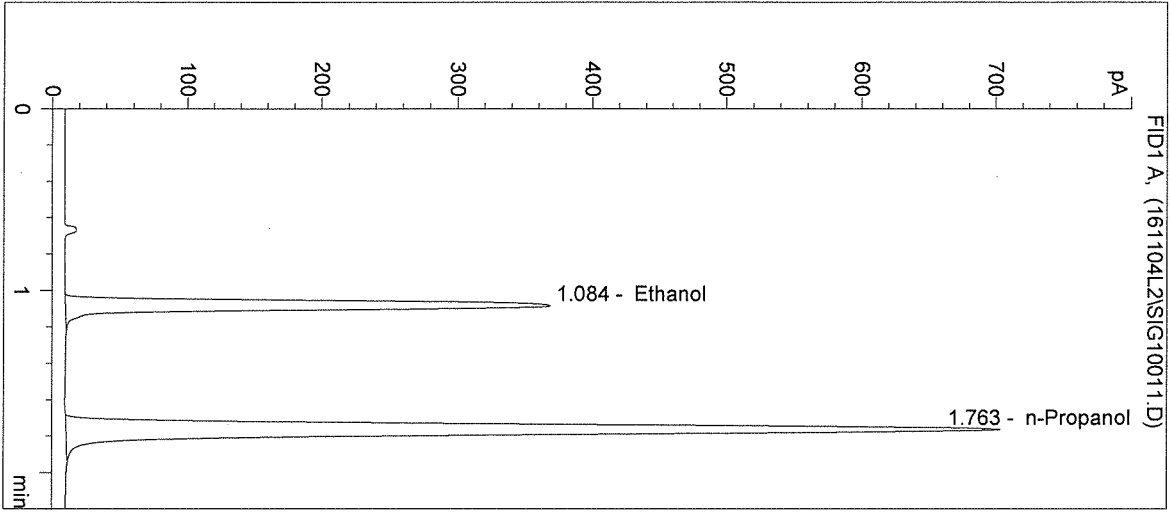


n-Propanol 0.012 g/100mL

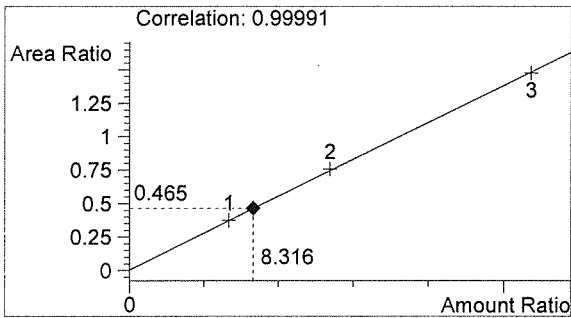
fu

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

Inj. Date: 11/4/2016 3:20:41 PM Sample Name: 16046 #2
 Instrument: HSGC#1 Operator: Lyndsey Knoy
 Column: DB-ALC1 Location: Vial 11
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M
 Sample Info:

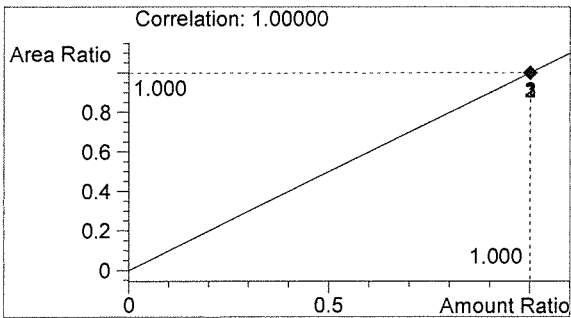


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1211 | 1.084 |
| 2 | n-Propanol | 2606 | 1.763 |



Ethanol 0.100 g/100mL

AW



n-Propanol 0.012 g/100mL

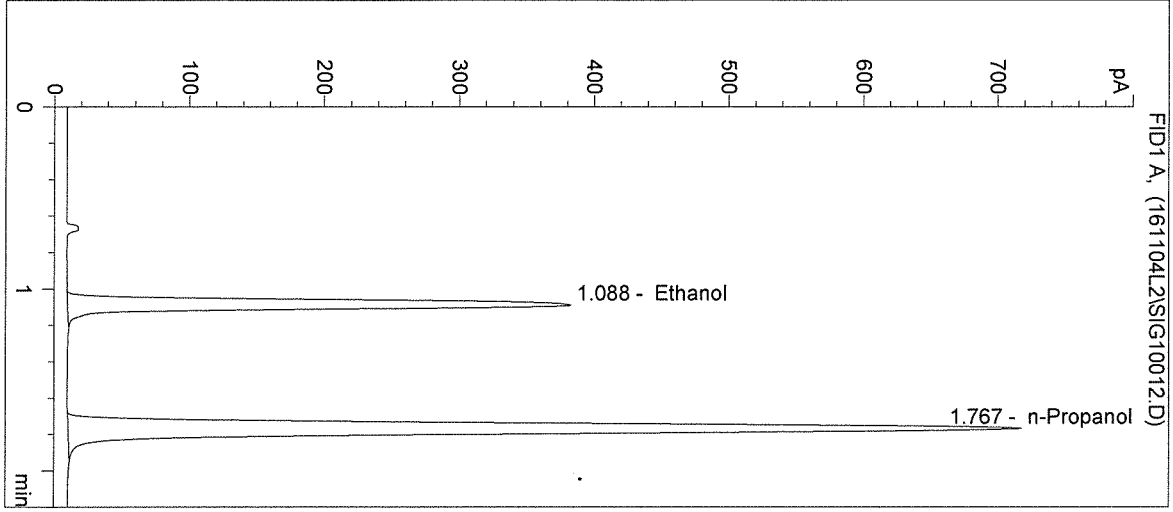
JK

Inj. Date: 11/4/2016 3:23:53 PM
 Instrument: HSGC#1

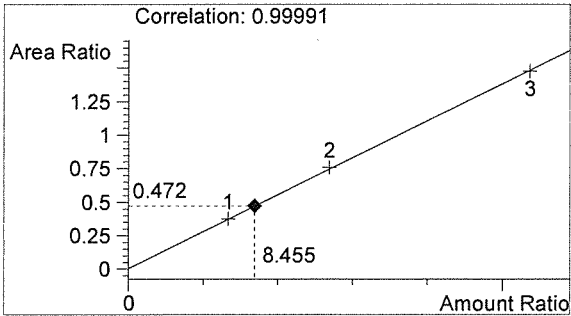
Sample Name: 16046 #3
 Operator: Lyndsey Knoy
 Location: Vial 12

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

Sample Info:

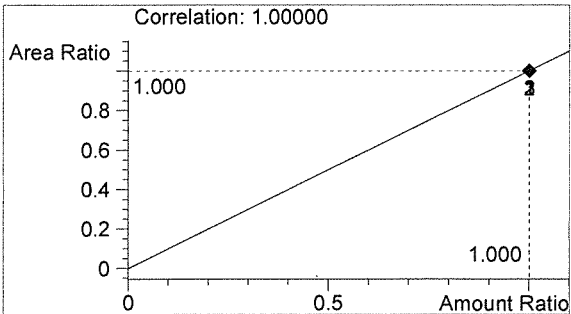


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1267 | 1.088 |
| 2 | n-Propanol | 2683 | 1.767 |



Ethanol 0.101 g/100mL

AWO

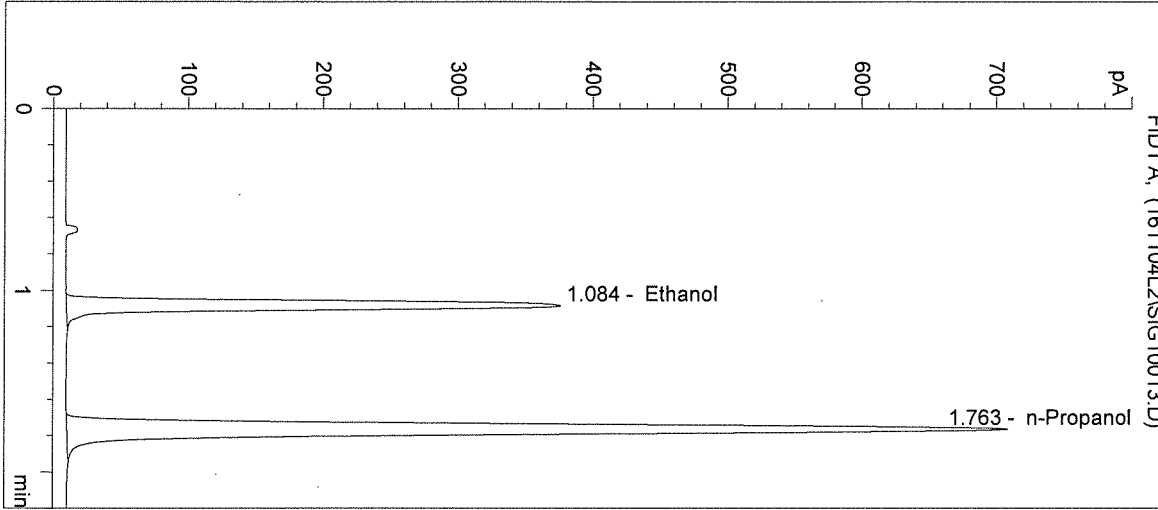


n-Propanol 0.012 g/100mL

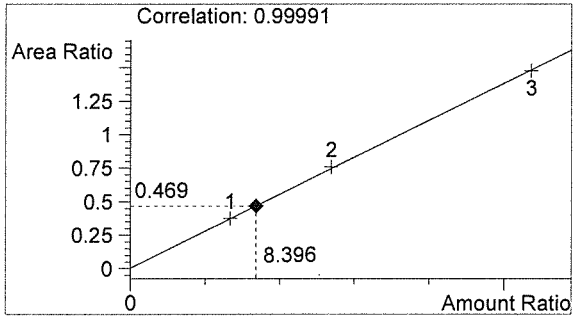
JK

Inj. Date: 11/4/2016 3:27:07 PM Sample Name: 16046 #4
 Instrument: HSGC#1 Operator: Lyndsey Knoy
 Column: DB-ALC1 Location: Vial 13
 Method: C:\HPCHEM\1\METHODS\SIMALC1.M

Sample Info:

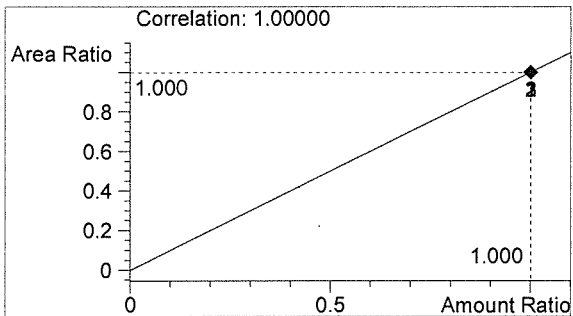


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1233 | 1.084 |
| 2 | n-Propanol | 2627 | 1.763 |



Ethanol 0.101 g/100mL

PLU



n-Propanol 0.012 g/100mL

PLU

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

Inj. Date: 11/4/2016 3:30:21 PM

Sample Name: 16046 #5

Instrument: HSGC#1

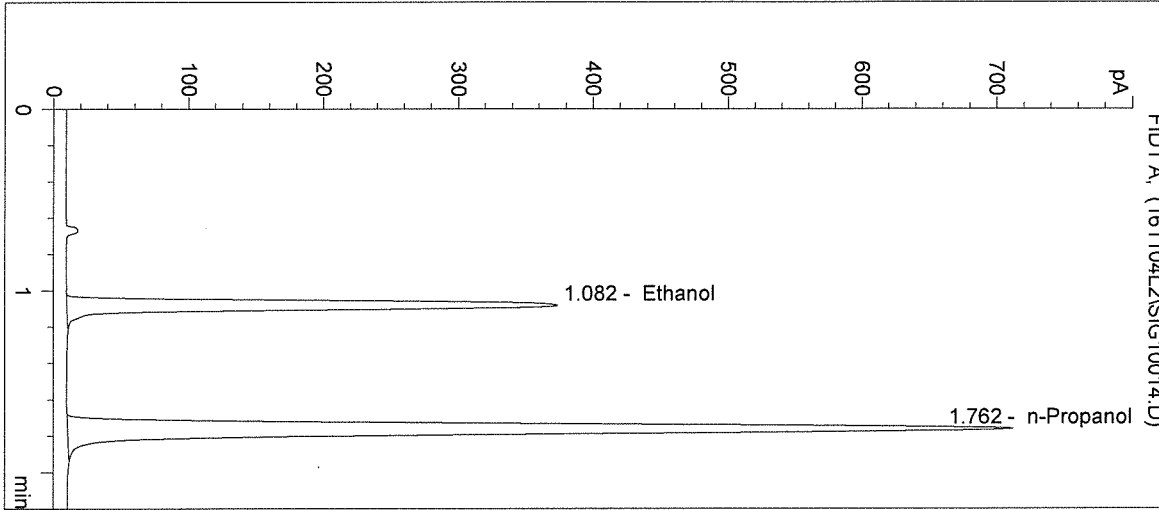
Operator: Lyndsey Knoy

Column: DB-ALC1

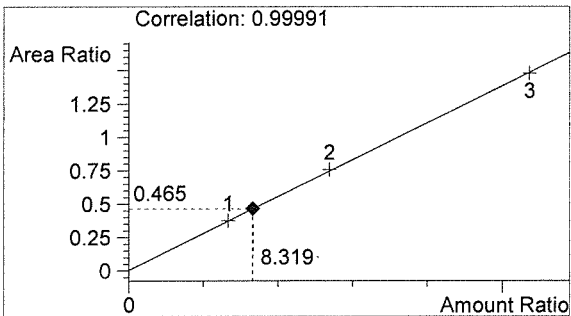
Location: Vial 14

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

Sample Info:

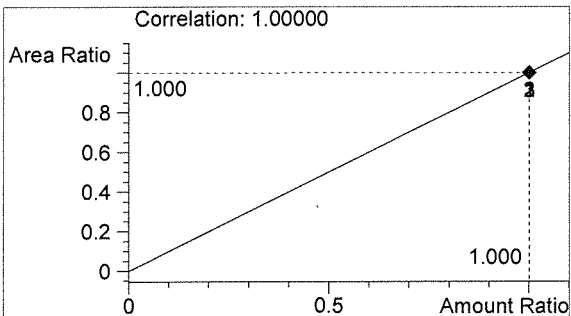


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1221 | 1.082 |
| 2 | n-Propanol | 2626 | 1.762 |



Ethanol 0.100 g/100mL

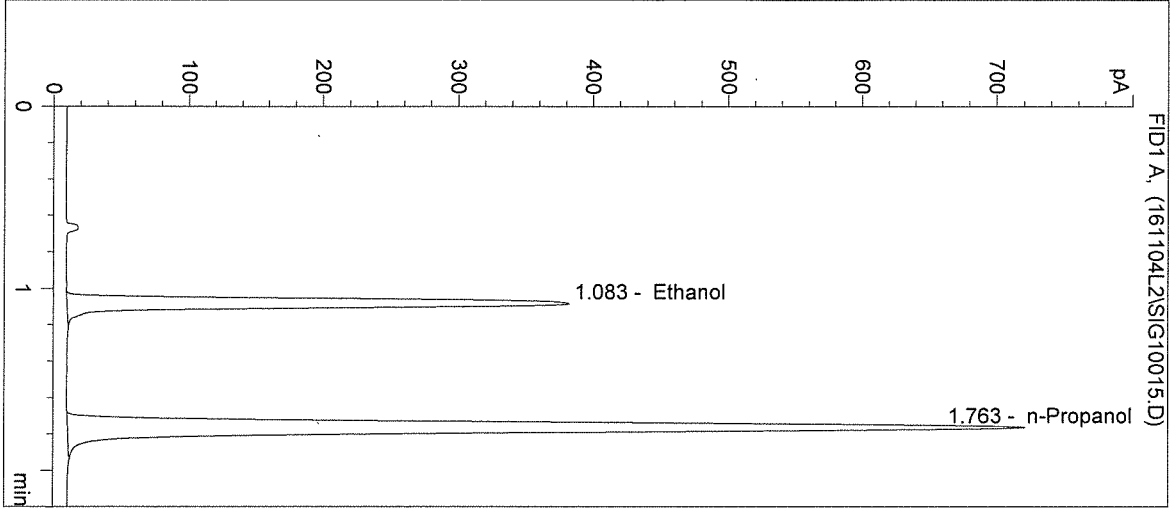
PKO



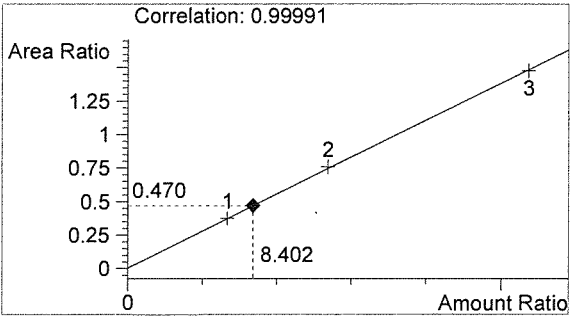
n-Propanol 0.012 g/100mL

M

Inj. Date: 11/4/2016 3:33:34 PM Sample Name: 0.10 CTRL
Instrument: HSGC#1 Operator: Lyndsey Knoy
Column: DB-ALC1 Location: Vial 15
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16046

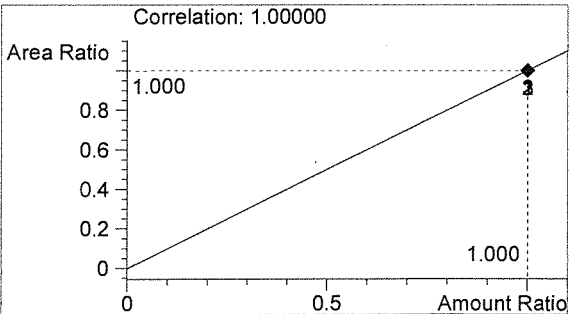


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 1249 | 1.083 |
| 2 | n-Propanol | 2659 | 1.763 |



Ethanol 0.101 g/100mL

BLW



n-Propanol 0.012 g/100mL

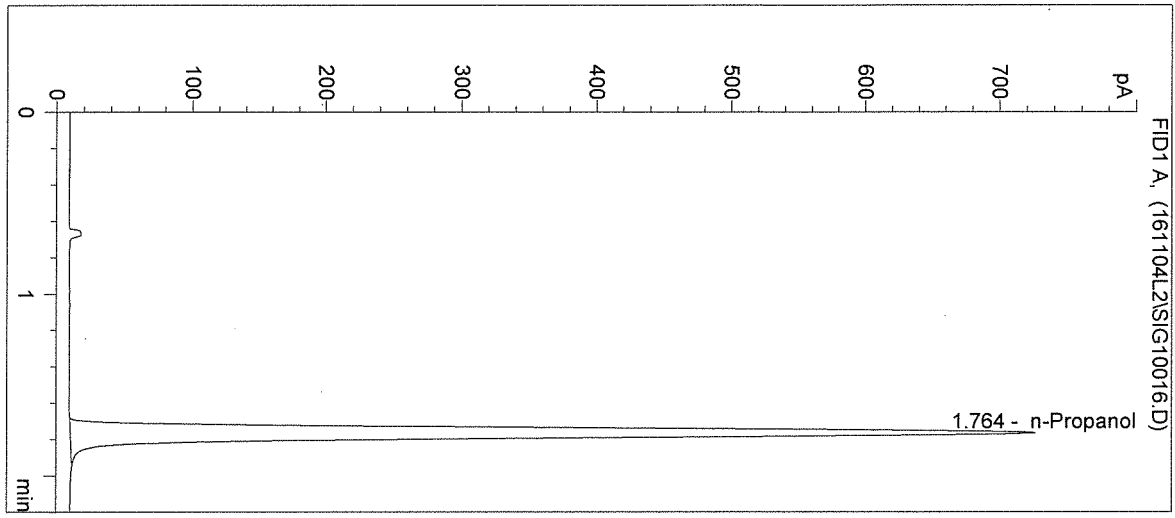
JK

Inj. Date: 11/4/2016 3:36:46 PM
Instrument: HSGC#1

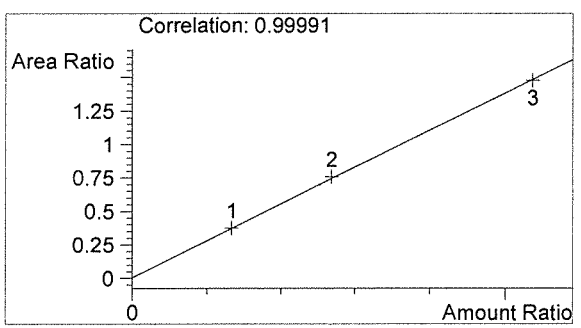
Sample Name: Negative CTRL
Operator: Lyndsey Knoy
Location: Vial 16

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

Sample Info: 16046

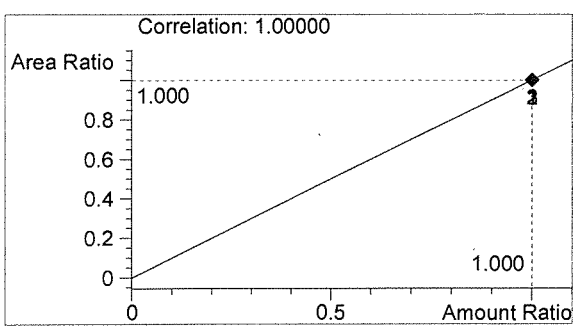


| # | Compound | Peak Area | RT (min) |
|---|------------|-----------|----------|
| 1 | Ethanol | 0 | 0.000 |
| 2 | n-Propanol | 2689 | 1.764 |



Ethanol 0.000 g/100mL

AW



n-Propanol 0.012 g/100mL

LK