VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 1/9/2014, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 14-01-100 and an expiration date of 1/9/2015.

On 1/9/2014 and 1/13/2014, the solution was analyzed against calibration VFL01092014 and SIM01132014. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.099 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont on Tuesday, January 14, 2014.

Amanda Bolduc

VERMONT FORENSIC LABORATORY

BLOOD ALCOHOL DATA REVIEW CHECKLIST

Sim Soln Lot #
~~AGENCY CASE#~~: 14-01-100 **ANALYST:** [illegible]
~~LAB #~~: 20L 0.10 Ext. Std.

TECHNICAL REVIEWER: [illegible] **DATE:** 1/14/14

- ☑ QC complete?
- ☑ Pertinent standard lot numbers listed?
- ☑ Data package is complete?
- ☑ Transcribed data and calculations verified?
- ☑ Calibration and control results all within ± 10% (± 20% for STD A) of the known values?
- ☑ Calibration line correlation factor at least 0.99xx?
- ☑ Average error for components of the calibration line less than 10%?
- ☑ Timing mix chromatogram demonstrates appropriate identification of components and separation from ethanol?
- ☑ Surrogate compound concentrations all within 0.900 to 1.100 range?
- ☑ Statistical means of the continuing calibration check sample duplicate analysis all within ± 10% of the known value?
- ☑ Individual replicates within ~~± 5%~~ 3 standard deviations of the statistical mean? [illegible] 1/14/14
- ☑ Reported results are means of two or more analyses?
  1. In the event of QNS for 2 (two) analysis a notation must be made on the worksheet.
  2. In the event that more than 2 (two) results are used to determine the reported result a notation is made on the worksheet.

Comments:

ADMINISTRATIVE REVIEWER: [illegible] **DATE:** 1/15/2014

- ☑ NA Agency Case # and Lab # match submission form?
- ☑ NA Submitting agency, investigator, suspect, CC match submission form?
- ☑ NA Chain of Custody is complete and dated appropriately?
- ☑ Are all pages numbered and initialed on the Examination Documents?
- ☑ Case number written on all pages of the case file (Either agency or lab #)?
- ☑ NA Is the exam end date documented in the paper case file consistent with the exam end date in LIMS?

Comments:

DIRECTOR REVIEWER: [illegible] **DATE:** 1/15/2014

- ☑ Does the report and associated paperwork meet administrative expectations?
- ☑ Have the appropriate technical and administrative reviews been completed?

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.10 External Standard 20L
Lot # 14-01-100
Prepared 1/9/2014 by ALB
Exp 1/9/2015

ALB CAL VFL01092014
ALB/RLM Vials
Analyzed on 1/9/2014 - 1/10/2014

0.1012 ALB	
0.1042	
0.1007	
0.1045	
0.1010	
0.1034	
0.0981	
0.0978 RLM	
0.0996	
0.0976	
0.0997	
0.0973	
0.0995	
0.1002	

Ave. =	0.1003
Std Dev. =	0.0024
Range =	0.0973 - 0.1045

RLM CAL SIM01132014
RLM/ALB Vials
Analyzed on 1/13/2014 & 1/14/2014

0.1004 ALB	
0.0979	
0.0990	
0.0980	
0.1006	
0.0981	
0.0999	
0.0975 RLM	
0.0963	
0.0983	
0.0969	
0.0987	
0.0961	
0.0989	

Ave. =	0.0983
Std Dev. =	0.0014
Range =	0.0961 - 0.1006

Total Values from Both Runs

Average	Mean
0.0973	0.0961
0.0976	0.0963
0.0978	0.0969
0.0981	0.0973
0.0995	0.0975
0.0996	0.0976
0.0997	0.0978
0.1002	0.0979
0.1007	0.0980
0.1010	0.0981
0.1012	
0.1034	0.0983
0.1042	0.0987
0.1045	0.0989
0.0961	0.0990
0.0963	0.0995
0.0969	0.0996
0.0975	0.0997
0.0979	0.0999
0.0980	0.1002
0.0981	0.1004
0.0983	0.1006
0.0987	0.1007
0.0989	0.1010
0.0990	0.1012
0.0999	0.1034
0.1004	0.1042
0.1006	0.1045

Ave. =	0.0993
Avg Std Dev. =	0.0022
Mean =	0.0994
Mean Std Dev. =	0.0022
Range =	0.0961 - 0.1045
RPD =	8.45%

Certified Concentration = 0.099 g/20L

1/14/14 ALB

14-01-100 1 of 43 ALB

File Name = C:\Alcohol Data\VFL01022014\VFL01022014.SEQ
Version = 1
File Date = 1/2/2014 3:33:13 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL01092014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL01092014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL01092014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	VFL01092014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	VFL01092014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	VFL01092014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	VFL01092014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	VFL01092014.0008.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
9	VFL01092014.0009.raw	Blood Alc temp VFL.MET	WB	1.00	1.00
10	VFL01092014.0010.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
11	VFL01092014.0011.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
12	VFL01092014.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL01092014.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL01092014.0014.raw	Blood Alc temp VFL.MET	V14-41 A1-1	1.00	1.00
15	VFL01092014.0015.raw	Blood Alc temp VFL.MET	V14-41 A1-1	1.00	1.00
16	VFL01092014.0016.raw	Blood Alc temp VFL.MET	V14-46 A1-1	1.00	1.00
17	VFL01092014.0017.raw	Blood Alc temp VFL.MET	V14-46 A1-1	1.00	1.00
18	VFL01092014.0018.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
19	VFL01092014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	VFL01092014.0020.raw	simsoln.met	14-01-100 ALB	1.00	1.00
21	VFL01092014.0021.raw	simsoln.met	14-01-100 ALB	1.00	1.00
22	VFL01092014.0022.raw	simsoln.met	14-01-100 ALB	1.00	1.00
23	VFL01092014.0023.raw	simsoln.met	14-01-100 ALB	1.00	1.00
24	VFL01092014.0024.raw	simsoln.met	14-01-100 ALB	1.00	1.00
25	VFL01092014.0025.raw	simsoln.met	14-01-100 ALB	1.00	1.00
26	VFL01092014.0026.raw	simsoln.met	14-01-100 ALB	1.00	1.00
27	VFL01092014.0027.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
28	VFL01092014.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	VFL01092014.0029.raw	simsoln.met	14-01-100 RLM *	1.00	1.00
30	VFL01092014.0030.raw	simsoln.met	14-01-100 RLM	1.00	1.00
31	VFL01092014.0031.raw	simsoln.met	14-01-100 RLM	1.00	1.00
32	VFL01092014.0032.raw	simsoln.met	14-01-100 RLM	1.00	1.00
33	VFL01092014.0033.raw	simsoln.met	14-01-100 RLM	1.00	1.00
34	VFL01092014.0034.raw	simsoln.met	14-01-100 RLM	1.00	1.00
35	VFL01092014.0035.raw	simsoln.met	14-01-100 RLM	1.00	1.00
36	VFL01092014.0036.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
37	VFL01092014.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Case work not included 1/10/14 ALB

* GC skipped vial 1/10/14 ALB

38 CCS - 1/10/14
39 CCS
40 14-01-100 RLM
41 CCS
42 CCS

Vials run 1/10/14 w/in 24 hrs of cal 1/10/14 ALB

14-01-100 2. ALB

Chrom Perfect Data Log Results

File

Date/Time	Action	File Name	Version	Level	FromFil
1/9/2014 6:04:50 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 6:19:45 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 6:19:49 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 6:35:27 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 6:35:33 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 6:51:09 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 6:51:18 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 7:05:43 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 7:05:45 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 7:22:36 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 7:22:41 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 7:37:32 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 7:37:38 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 7:52:20 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 7:52:28 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 8:07:39 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 8:07:43 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 8:22:11 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 8:22:17 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 8:38:35 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 8:38:38 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 8:53:58 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 8:54:02 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 9:08:54 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 9:09:01 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 9:25:23 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 9:25:29 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 9:39:31 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 9:39:38 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 9:56:47 PM	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 9:56:52 PM	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 10:28:15 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 10:28:19 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 10:41:27 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 10:41:34 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 10:59:41 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 10:59:44 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 11:13:22 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 11:13:27 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 11:31:05 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 11:31:10 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/9/2014 11:44:21 ...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/9/2014 11:44:30 ...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/10/2014 12:02:31...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/10/2014 12:02:39...	14 (write bound data files)	C:\Alcohol Data...	0	0	
1/10/2014 12:16:23...	10 (write raw data files)	C:\Alcohol Data...	1	0	
1/10/2014 12:16:26...	14 (write bound data files)	C:\Alcohol Data...	0	0	

Vial # 29 was punctured but the GC failed to save the data

Vial should have been saved at ~10:13 PM 1/10/14 ALB

Start | Chrom Perfect D... | Search Results | Chrom Perfect - ... | Chrom Perfe

File Name: C:\Methods\VFL01092014.CAL
Version: 9

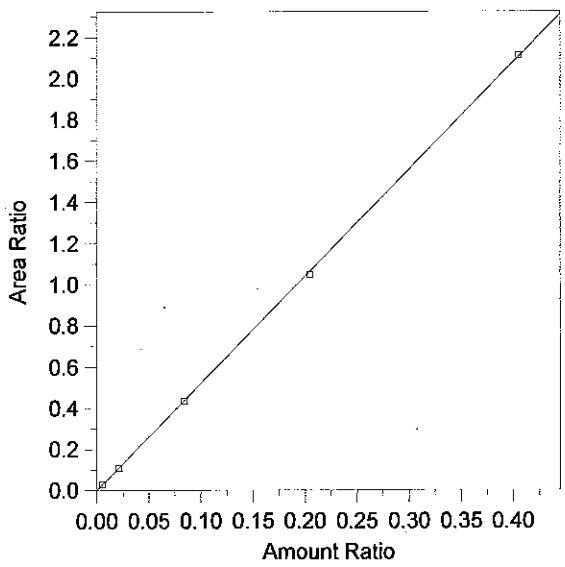
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1500
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time:	2.655 minutes
Search window:	0.1 minutes
Internal standard component:	7 (n-Propanol)
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

Y = 5.200639 X + 0

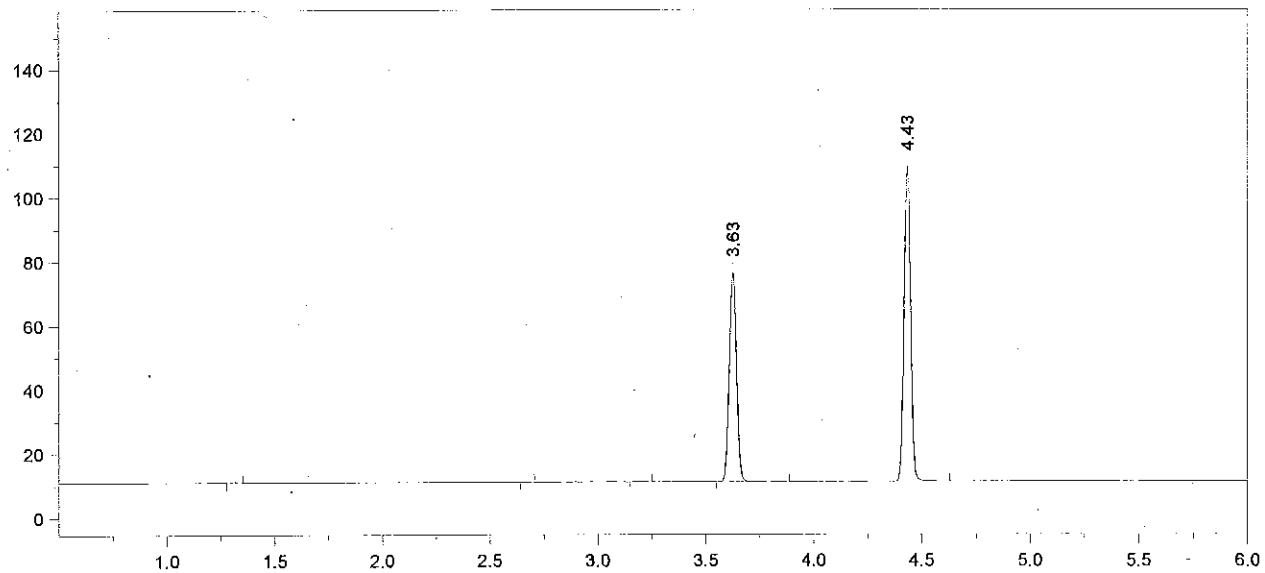
Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999049
Average error:	1.820%
Average CF:	5.237759
RSD:	2.975%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.091)	(85146)	--	--	0.091	85146	Manual	8/12/2013 4:03:34 PM
2	0.0053	5792.705	1092963	5.957	0.0053	2.920529E-02	C:\Alcohol Data\VFL01092014\VFL01092014.0003.BND	1/10/2014 8:53:32 AM
3	0.0211	21526.18	1020198	-0.676	0.0211	0.1089912	C:\Alcohol Data\VFL01092014\VFL01092014.0004.BND	1/10/2014 8:53:40 AM
4	0.0841	88593.32	1053428	-0.737	0.0841	0.4341524	C:\Alcohol Data\VFL01092014\VFL01092014.0005.BND	1/10/2014 8:54:00 AM
5	0.2043	228062.3	1116311	-1.352	0.2043	1.048123	C:\Alcohol Data\VFL01092014\VFL01092014.0006.BND	1/10/2014 8:54:08 AM
6	0.4047	478228.1	1181685	0.377	0.4047	2.112638	C:\Alcohol Data\VFL01092014\VFL01092014.0007.BND	1/10/2014 8:54:17 AM

ES-12202013
TMX-08122013
IS-10312013 1/10/14 [illegible]

14-01-100 4 [illegible]

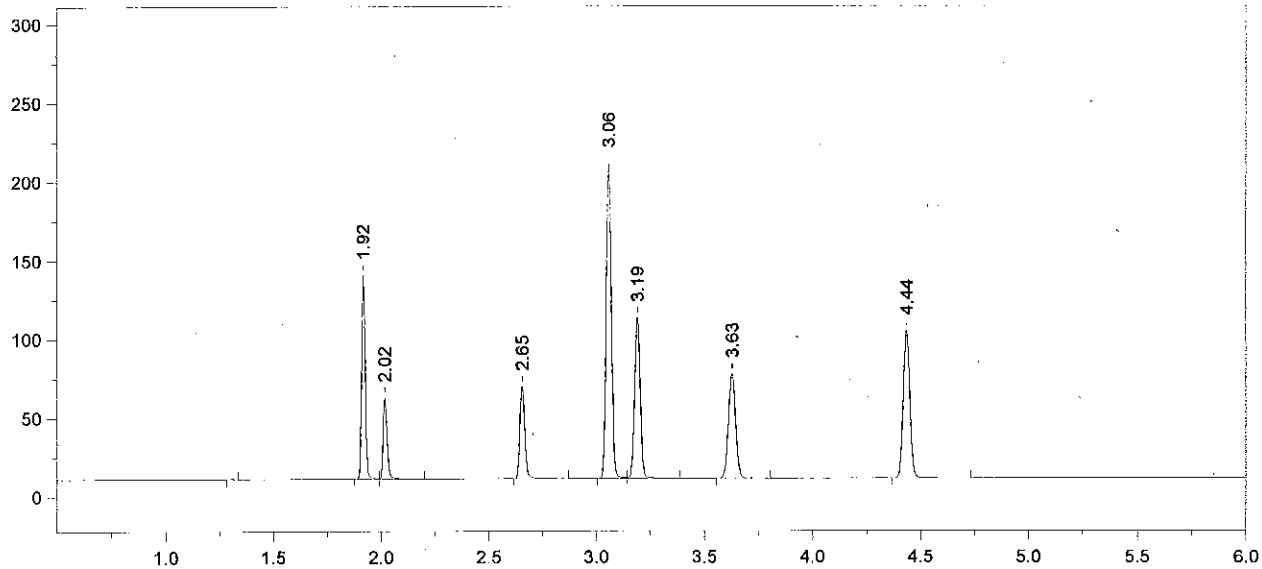


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:04 AM
Bound File Name = VFL01092014.0001.RAW
Sample Name = Blank
Date Taken = 1/9/2014 2:57:04 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	150922	0.9559
5	4.43	n-Propanol	209992	1.0000

14-01-100 5 AcB



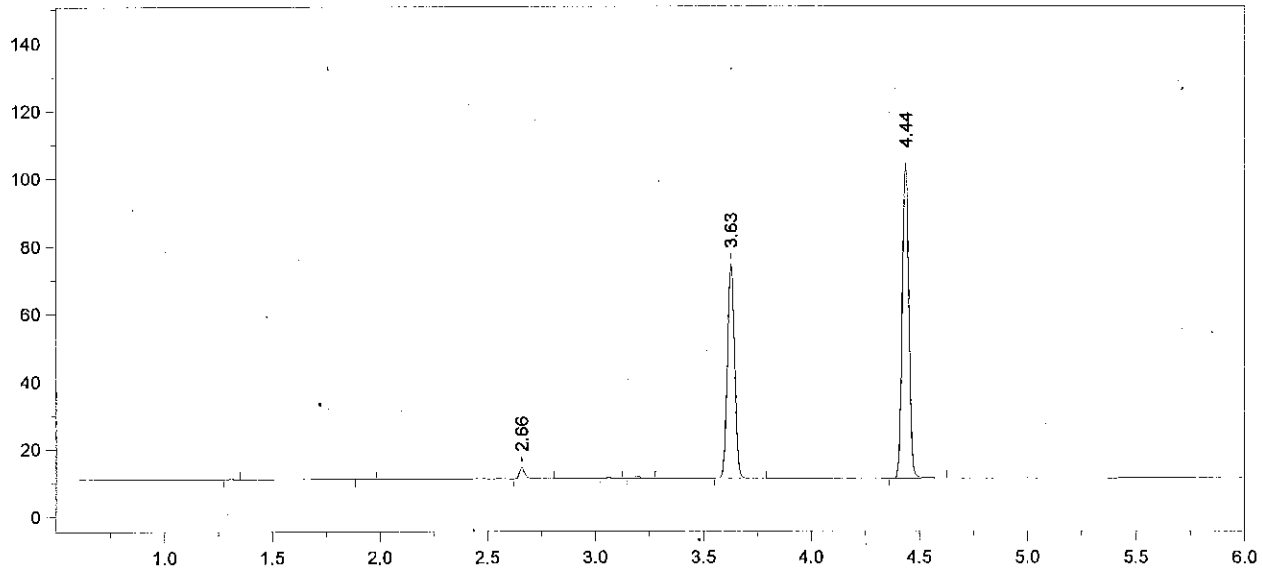
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:10 AM
Bound File Name = VFL01092014.0002.RAW
Sample Name = TMX
Date Taken = 1/9/2014 3:14:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	150713	0.0520
3	2.02	Methanol	66022	0.1370
4	2.65	Ethanol	91879	0.0886
5	3.06	Acetone	342136	0.0940
6	3.19	Isopropanol	190673	0.0850
7	3.63	t-Butanol	153727	1.0257
8	4.44	n-Propanol	199354	1.0000

14-01-100 6

Chrom Perfect Chromatogram Report

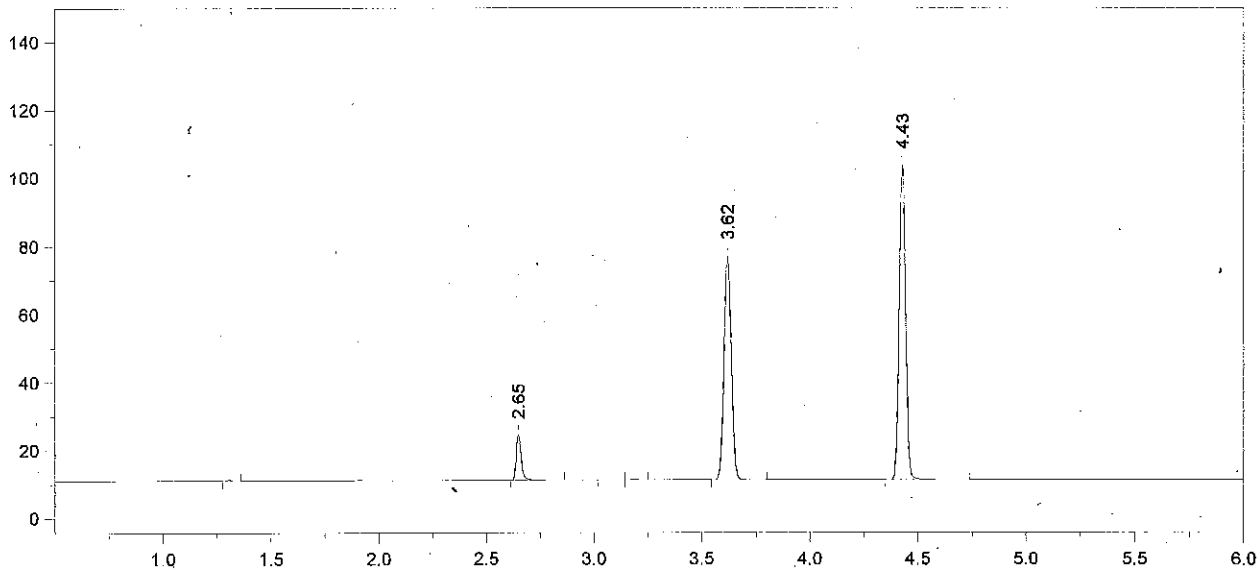


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:15 AM
Bound File Name = VFL01092014.0003.RAW
Sample Name = STD A
Date Taken = 1/9/2014 3:28:06 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05793	0.0056
6	3.63	t-Butanol	146805	0.9845
7	4.44	n-Propanol	198344	1.0000

14-01-100 7

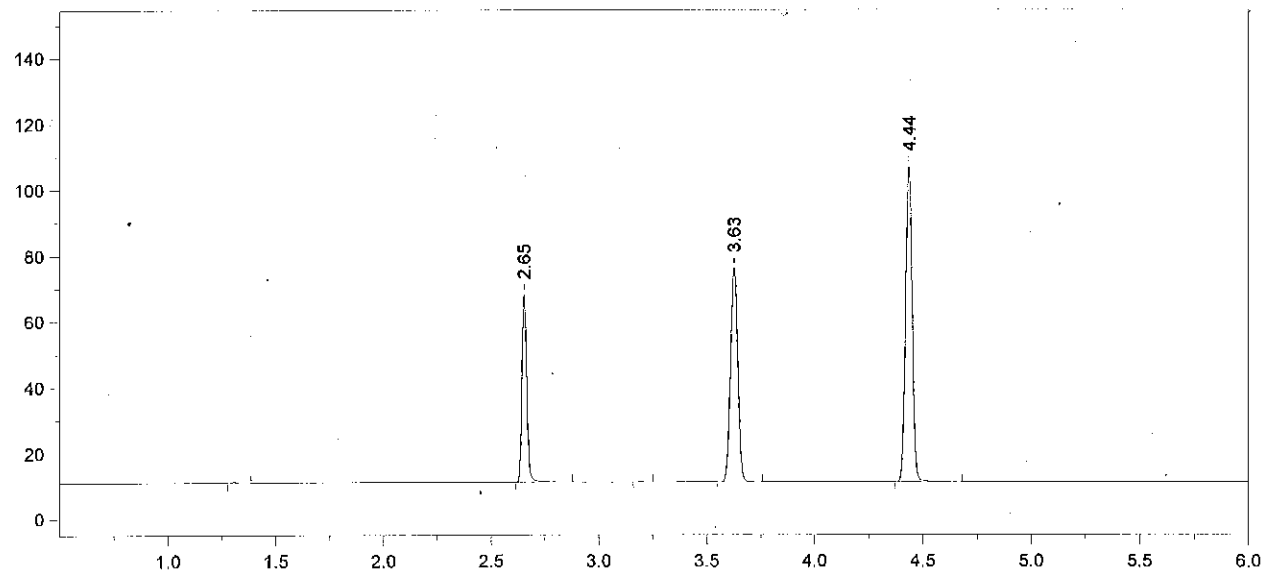


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:21 AM
Bound File Name = VFL01092014.0004.RAW
Sample Name = STD B
Date Taken = 1/9/2014 3:45:50 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	21526	0.0210
5	3.62	t-Butanol	151876	1.0228
6	4.43	n-Propanol	197504	1.0000

14-01-100 8 AWB

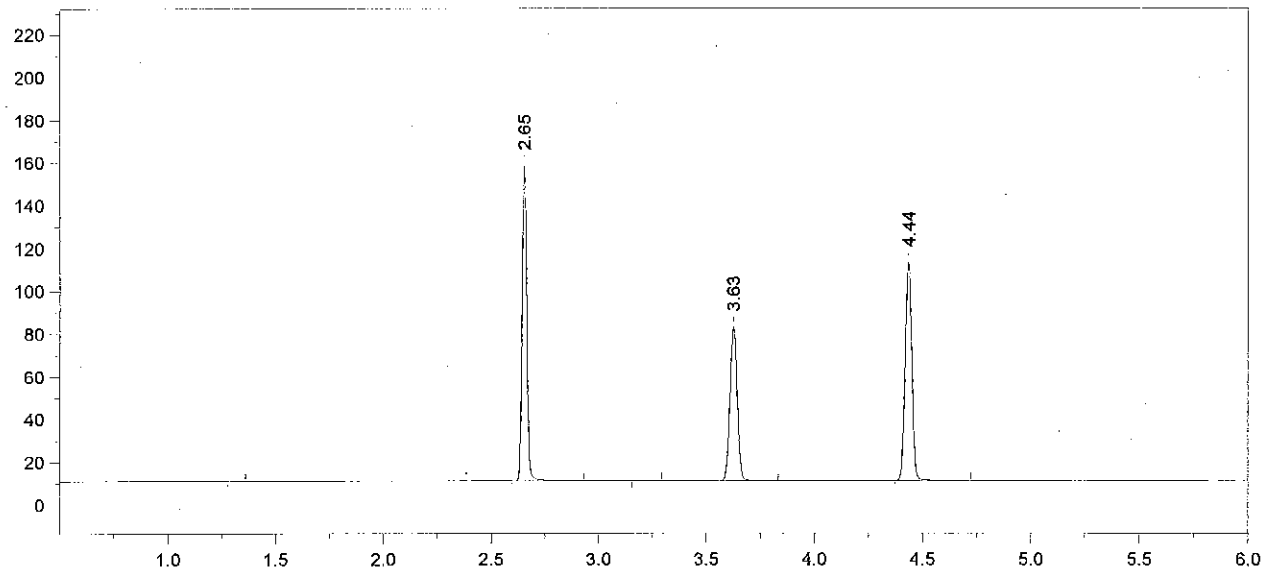


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:27 AM
Bound File Name = VFL01092014.0005.RAW
Sample Name = STD C
Date Taken = 1/9/2014 3:59:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	88593	0.0835
4	3.63	t-Butanol	150152	0.9787
5	4.44	n-Propanol	204060	1.0000

14-01-100 9 AEB

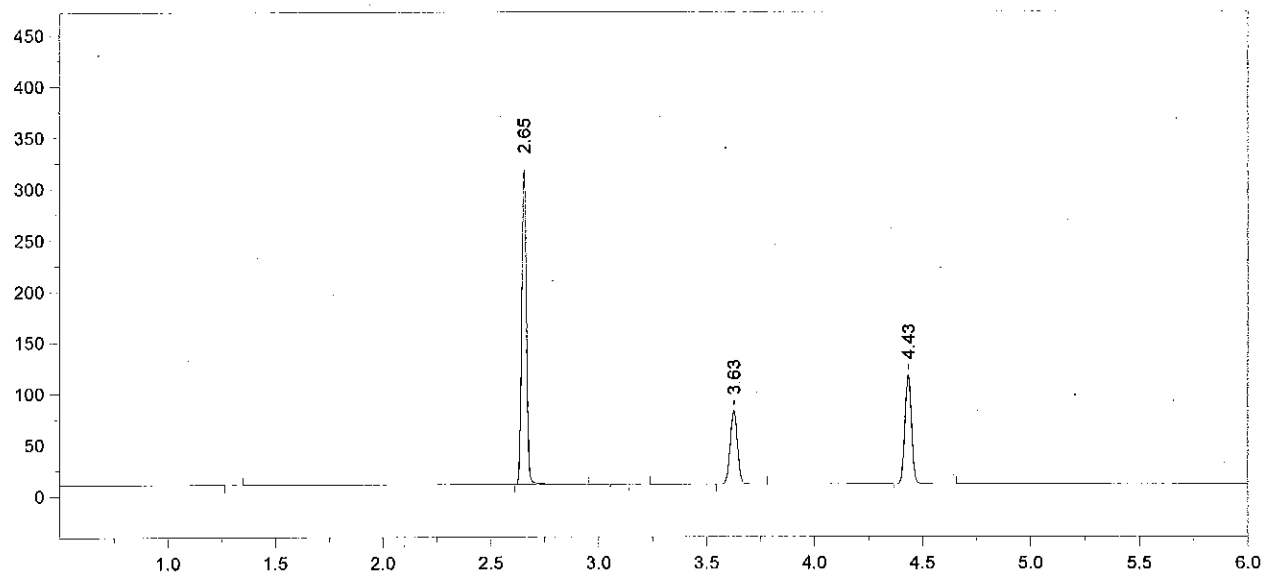


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:32 AM
Bound File Name = VFL01092014.0006.RAW
Sample Name = STD D
Date Taken = 1/9/2014 4:15:32 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	228062	0.2015
4	3.63	t-Butanol	166243	1.0162
5	4.44	n-Propanol	217591	1.0000

14-01-100 10 [illegible]

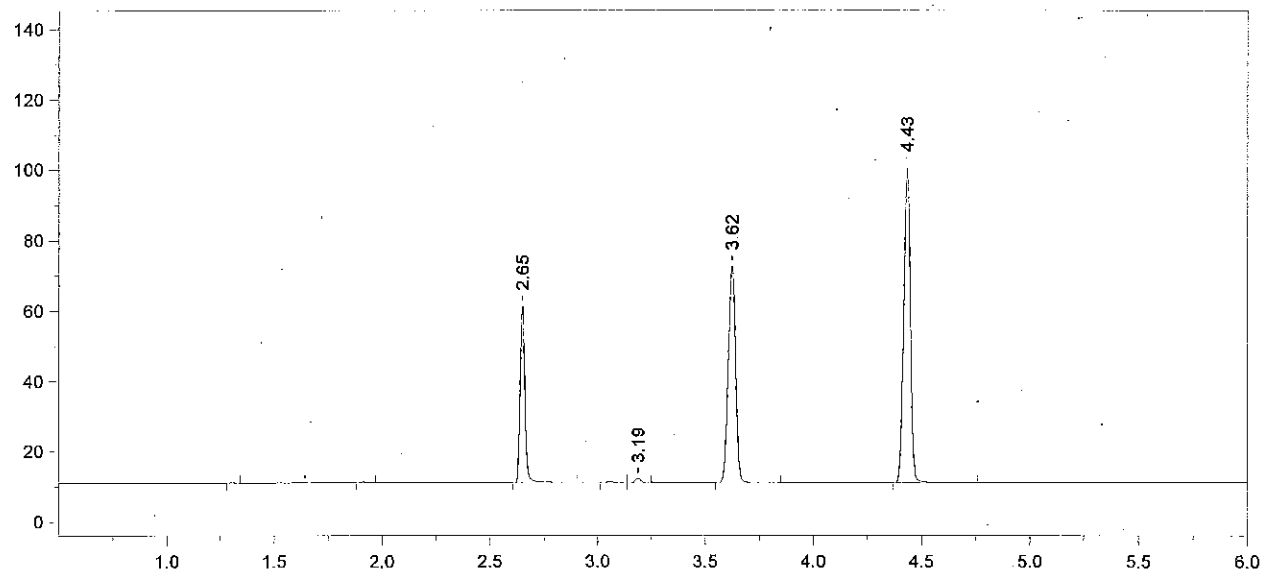


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:38 AM
Bound File Name = VFL01092014.0007.RAW
Sample Name = STD E
Date Taken = 1/9/2014 4:31:23 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	478228	0.4062
4	3.63	t-Butanol	165439	0.9721
5	4.43	n-Propanol	226365	1.0000

14-01-100 11 SLB

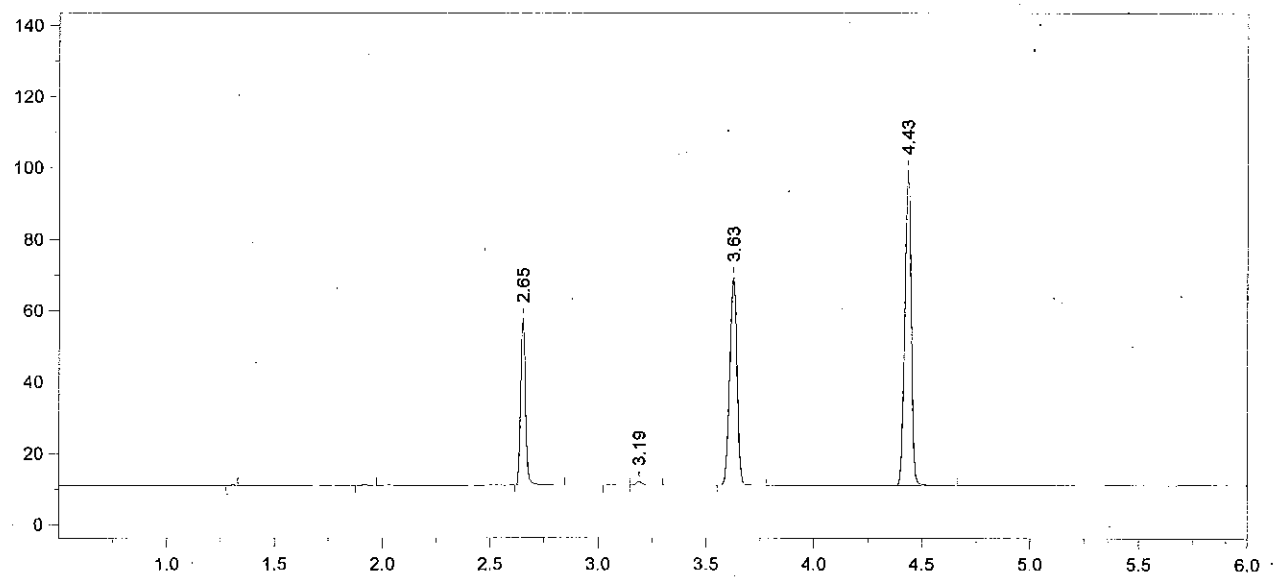


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:46 AM
Bound File Name = VFL01092014.0008.RAW
Sample Name = WB
Date Taken = 1/9/2014 4:47:04 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	78546	0.0795
5	3.19	Isopropanol	02137	<0.004
6	3.62	t-Butanol	142820	1.0006
7	4.43	n-Propanol	189858	1.0000

14-01-100 12 [illegible]



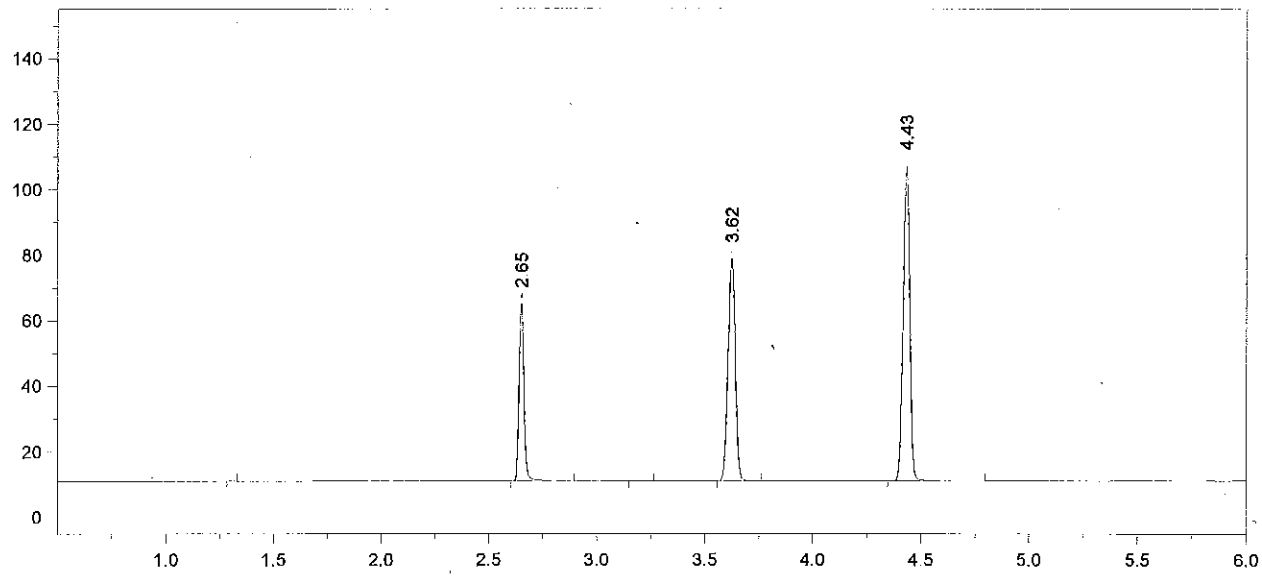
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:17:53 AM
Bound File Name = VFL01092014.0009.RAW
Sample Name = WB
Date Taken = 1/9/2014 5:01:52 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	73339	0.0754
5	3.19	Isopropanol	02054	<0.004
6	3.63	t-Butanol	135235	0.9622
7	4.43	n-Propanol	186936	1.0000

Cliniqa
Lot # 1212090
TV = 0.078
Avg vials 8+9 = 0.077 99% recovery
[illegible] 1/10/14

M-01-100 13 [illegible]

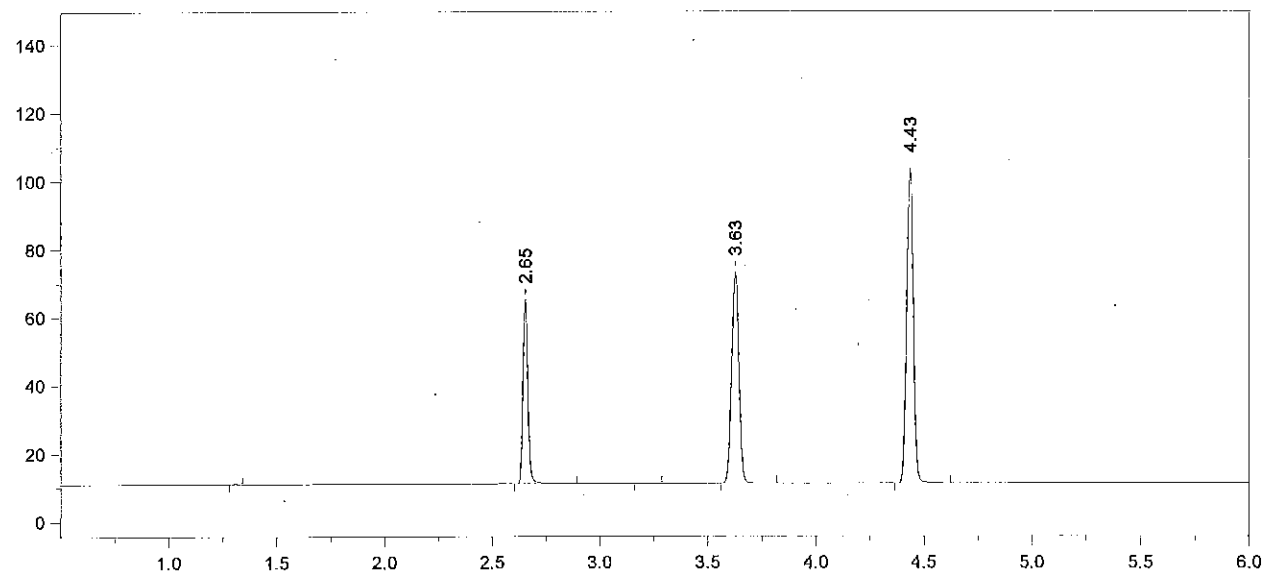


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:02 AM
Bound File Name = VFL01092014.0010.RAW
Sample Name = AQ QC
Date Taken = 1/9/2014 5:18:28 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84605	0.0791
4	3.62	t-Butanol	157446	1.0185
5	4.43	n-Propanol	205615	1.0000

14-01-100 14



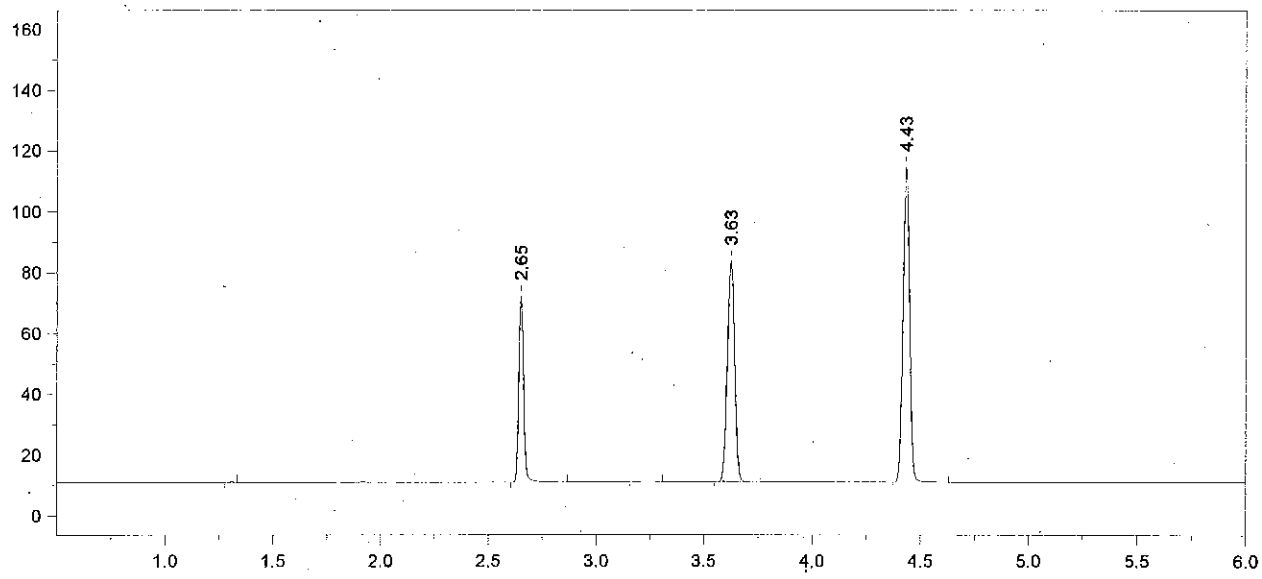
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:07 AM
Bound File Name = VFL01092014.0011.RAW
Sample Name = AQ QC
Date Taken = 1/9/2014 5:32:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84344	0.0824
4	3.63	t-Butanol	143985	0.9727
5	4.43	n-Propanol	196895	1.0000

Cerilliant Lot # FN021111-03
TV = 0.080
Avg Vials 10 + 11 = 0.081 101% recovery
1/10/14

14-01-100 15

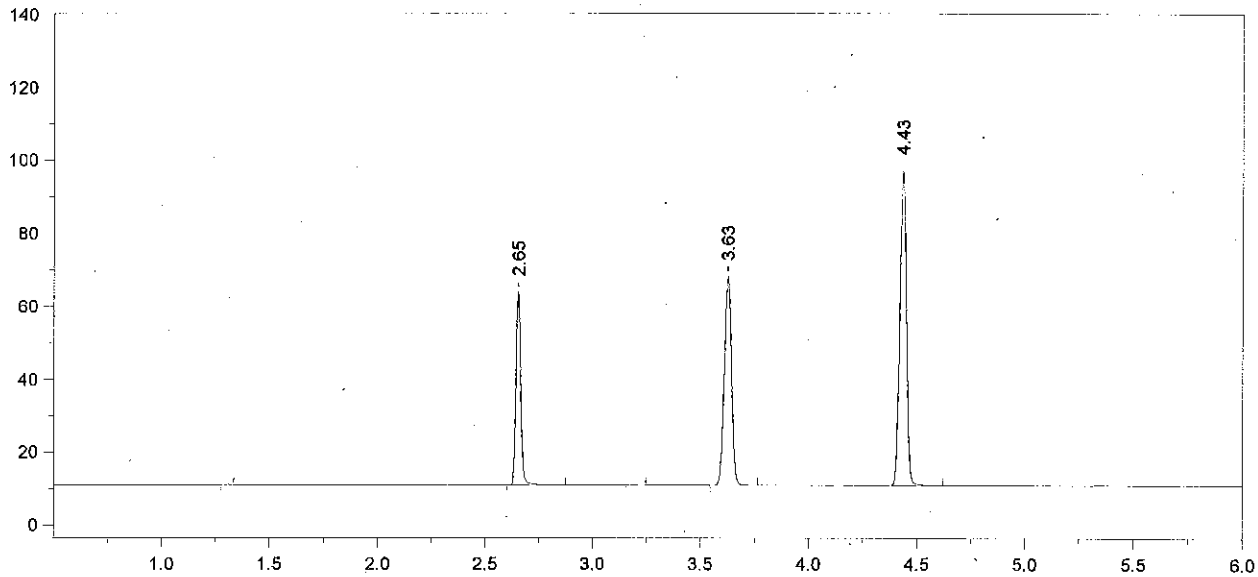


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:14 AM
Bound File Name = VFL01092014.0012.RAW
Sample Name = CCS
Date Taken = 1/9/2014 5:48:09 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	95395	0.0836
4	3.63	t-Butanol	168574	1.0219
5	4.43	n-Propanol	219419	1.0000

14-01-100 16 AB



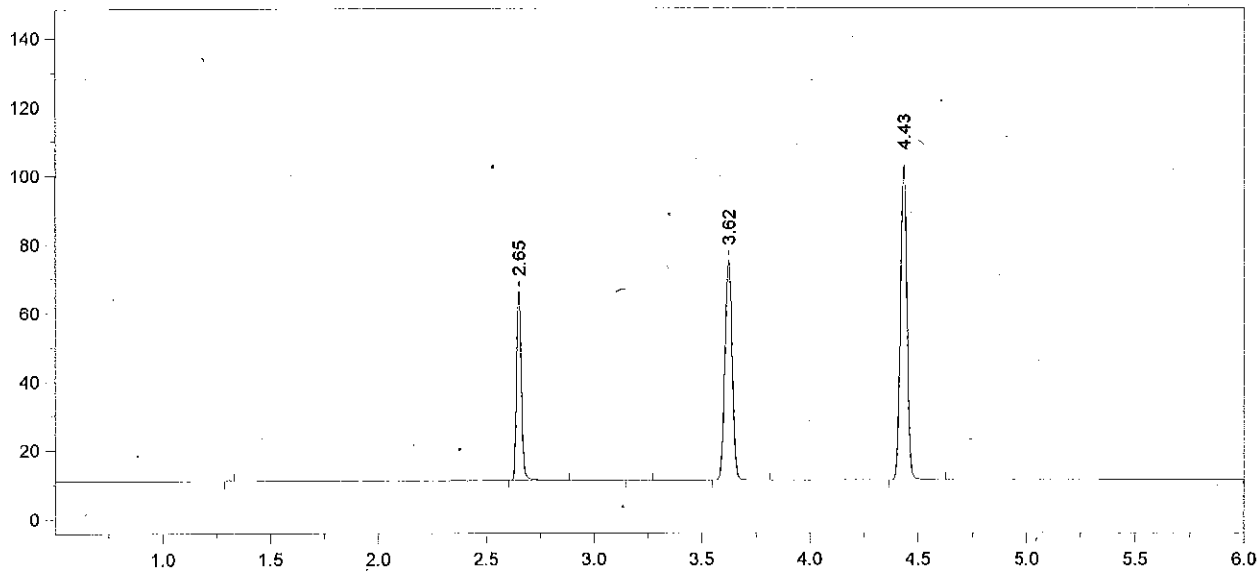
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:21 AM
Bound File Name = VFL01092014.0013.RAW
Sample Name = CCS
Date Taken = 1/9/2014 6:04:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82695	0.0869
4	3.63	t-Butanol	132649	0.9647
5	4.43	n-Propanol	182891	1.0000

Avg vials 12 + 13 = 0.085
1/10/14 AeB

14-01-100 17 AeB

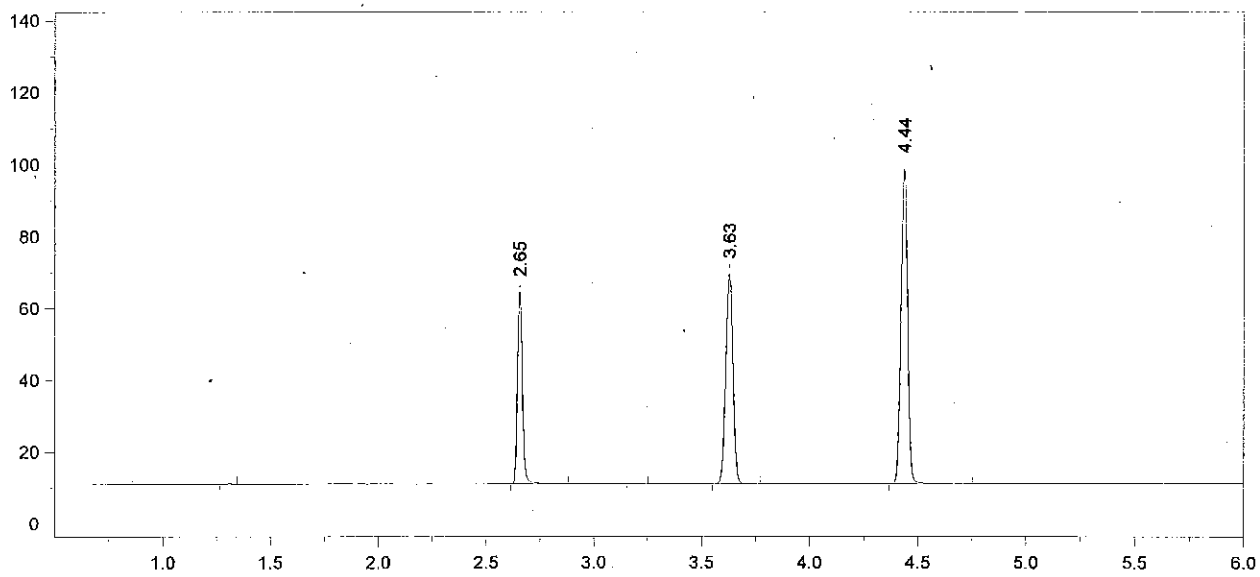


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:53 AM
Bound File Name = VFL01092014.0018.RAW
Sample Name = CCS
Date Taken = 1/9/2014 7:22:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	86621	0.0855
4	3.62	t-Butanol	148896	1.0164
5	4.43	n-Propanol	194856	1.0000

14-01-100 18 AHB



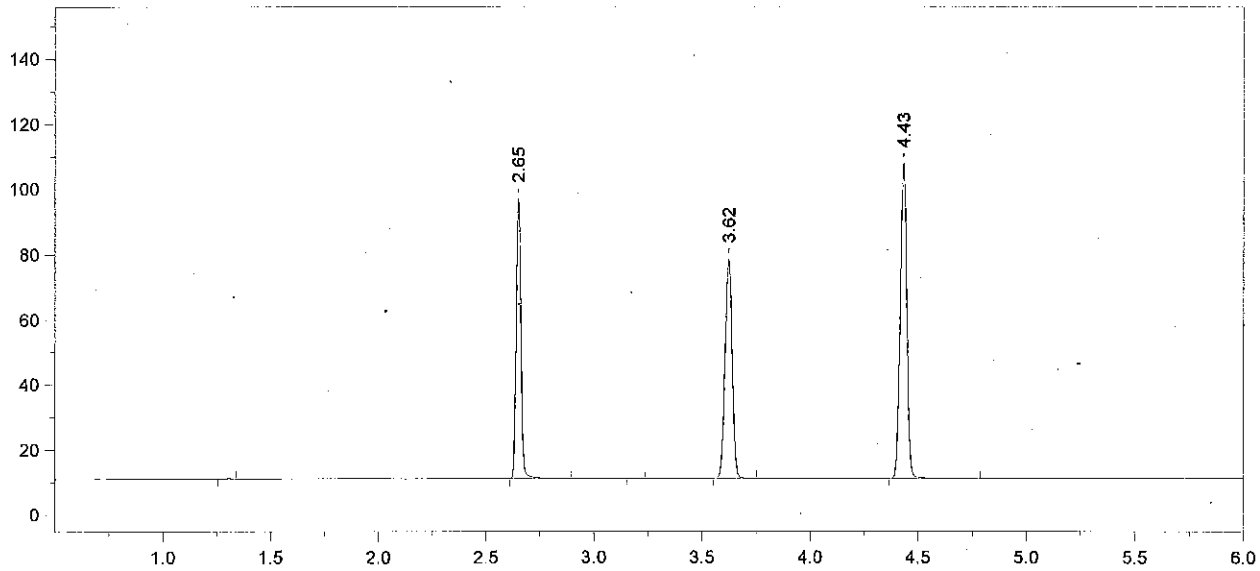
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:18:59 AM
Bound File Name = VFL01092014.0019.RAW
Sample Name = CCS
Date Taken = 1/9/2014 7:37:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83979	0.0865
4	3.63	t-Butanol	135600	0.9660
5	4.44	n-Propanol	186711	1.0000

Avg vals 18 +19 = 0.086
1/10/14 AeB

14-01-100 19 AeB

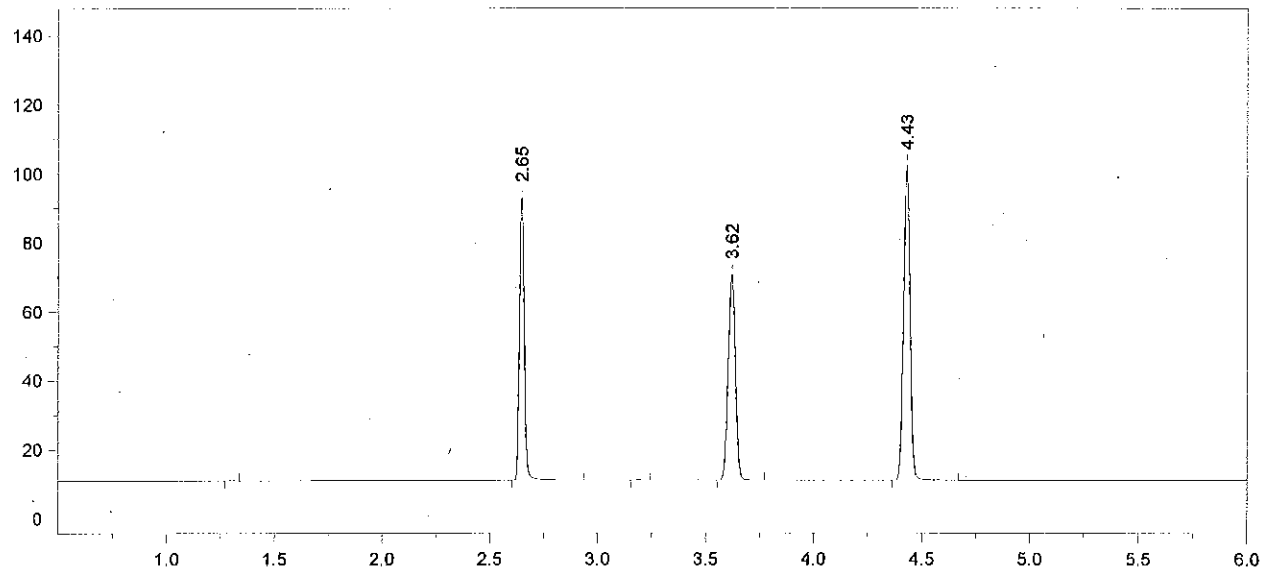


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:05 AM
Bound File Name = VFL01092014.0020.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 7:52:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	132974	0.1240	0.1012
4	3.62	t-Butanol	156366	1.0084	0.8230
5	4.43	n-Propanol	206254	1.0000	0.8162

14-01-100 20 [illegible]

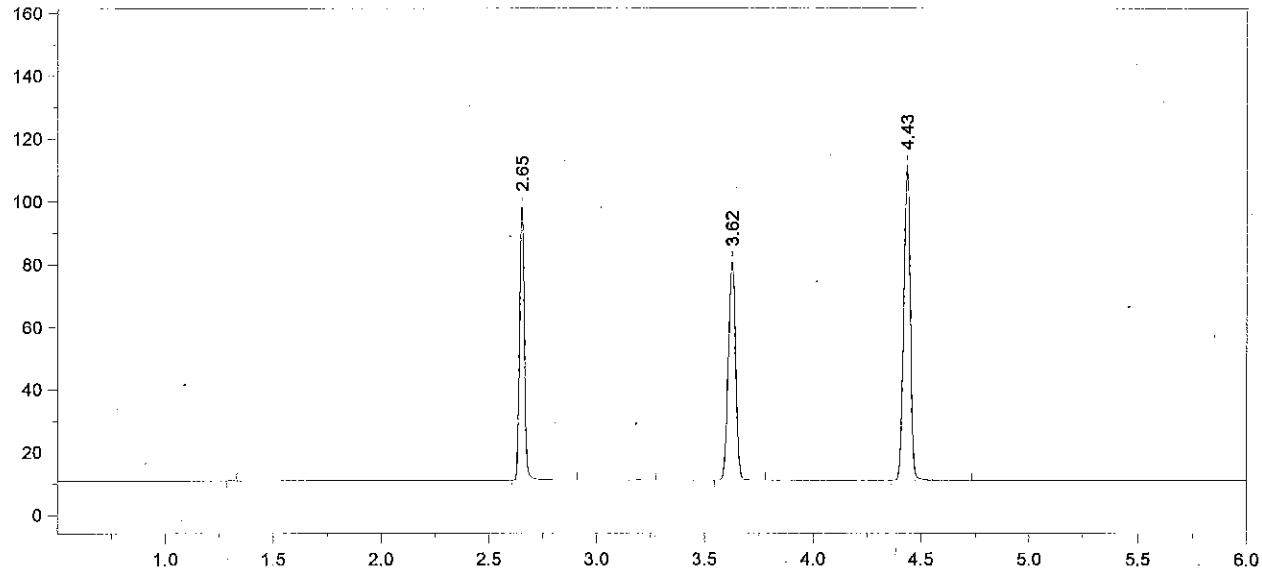


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:10 AM
Bound File Name = VFL01092014.0021.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 8:07:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128270	0.1277	0.1042
4	3.62	t-Butanol	138295	0.9524	0.7774
5	4.43	n-Propanol	193133	1.0000	0.8162

14-01-100 21 ALB

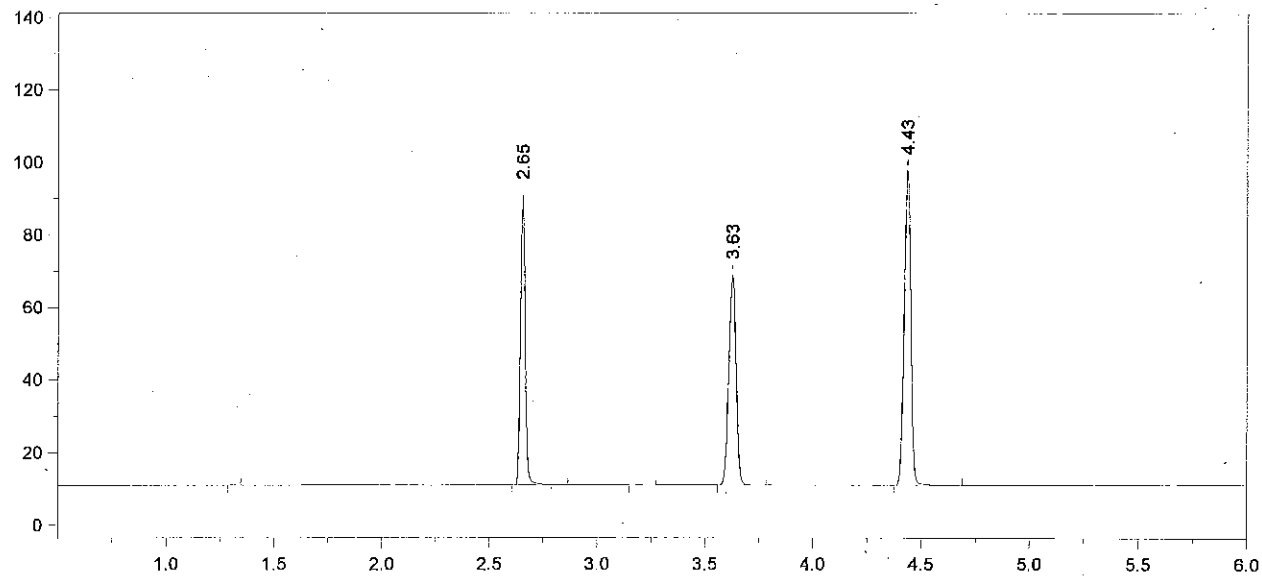


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014 Today's Time = 9:19:18 AM
Bound File Name = VFL01092014.0022.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 8:22:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	136364	0.1234	0.1007
4	3.62	t-Butanol	161973	1.0135	0.8273
5	4.43	n-Propanol	212563	1.0000	0.8162

14-01-100 22 ALB

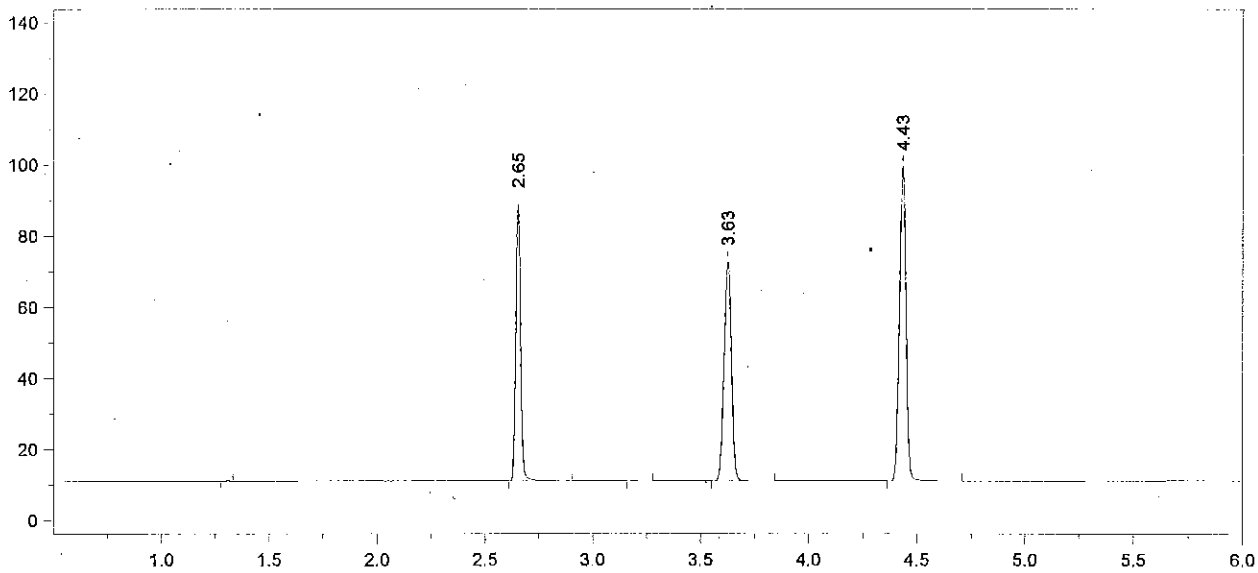


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:24 AM
Bound File Name = VFL01092014.0023.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 8:38:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123655	0.1281	0.1045
4	3.63	t-Butanol	133719	0.9582	0.7821
5	4.43	n-Propanol	185623	1.0000	0.8162

14-01-100 23 ALB

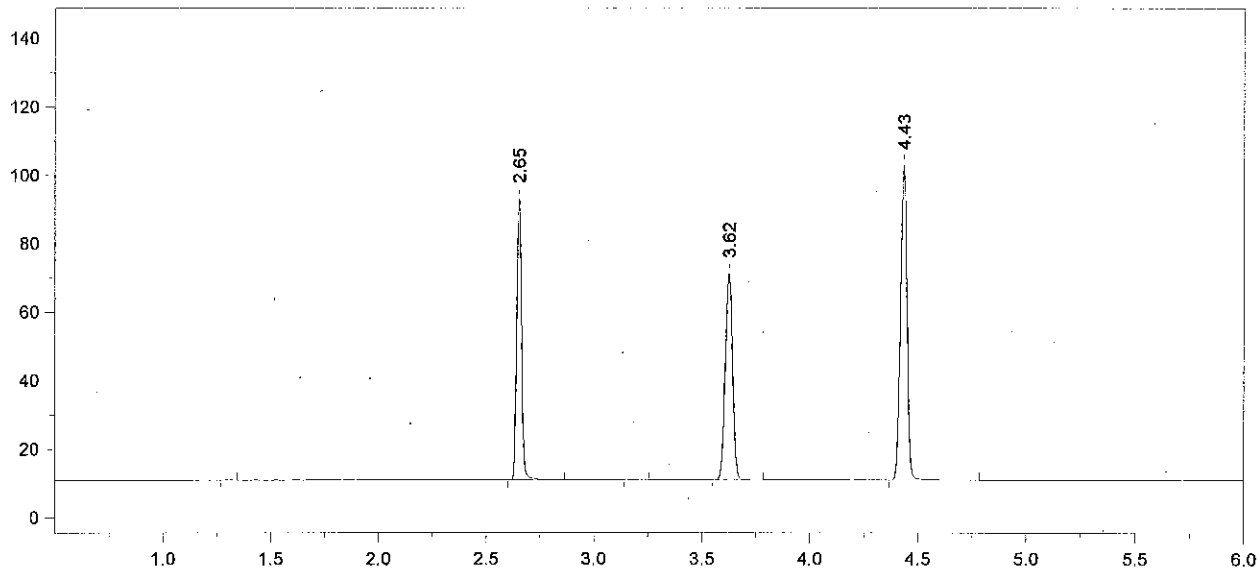


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014 Today's Time = 9:19:30 AM
Bound File Name = VFL01092014.0024.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 8:53:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	121017	0.1237	0.1010
4	3.63	t-Butanol	143209	1.0128	0.8267
5	4.43	n-Propanol	188072	1.0000	0.8162

14-01-100 24 AeB

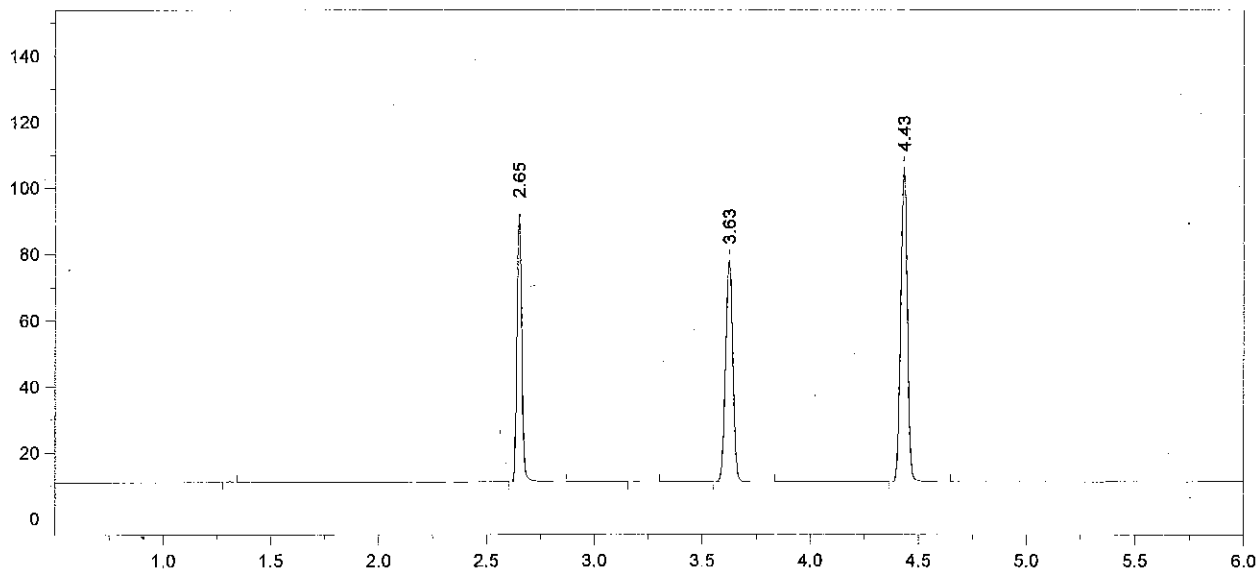


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:35 AM
Bound File Name = VFL01092014.0025.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 9:08:53 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128527	0.1267	0.1034
4	3.62	t-Butanol	139951	0.9543	0.7789
5	4.43	n-Propanol	195062	1.0000	0.8162

14-01-100 25 AB

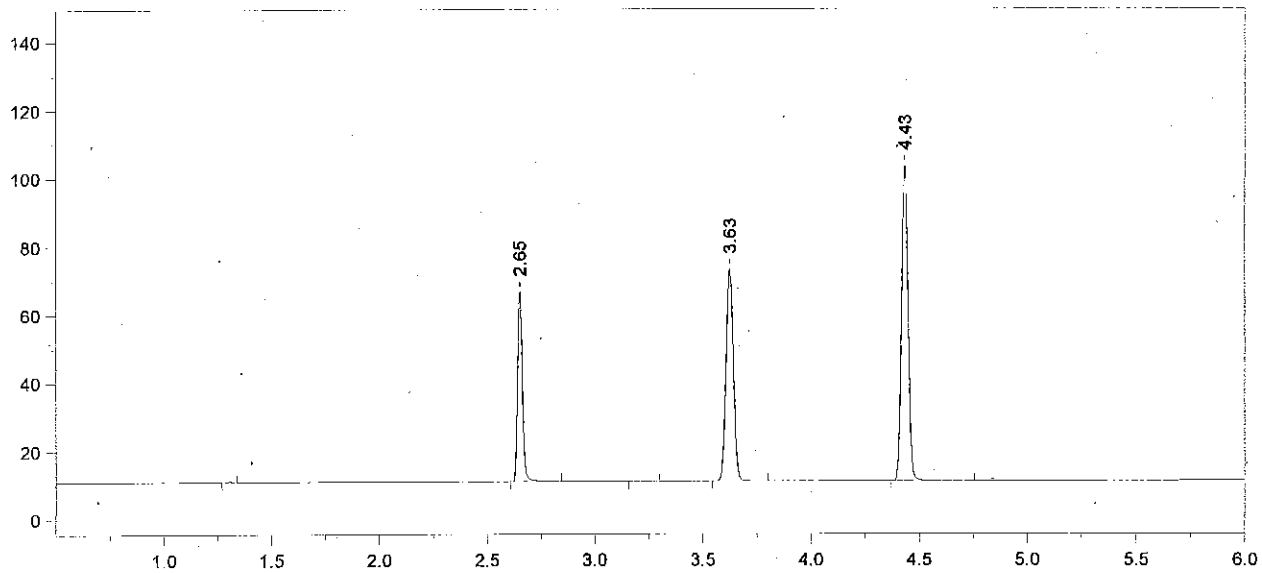


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:42 AM
Bound File Name = VFL01092014.0026.RAW
Sample Name = 14-01-100 ALB
Date Taken = 1/9/2014 9:25:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	126215	0.1202	0.0981
4	3.63	t-Butanol	155691	1.0256	0.8371
5	4.43	n-Propanol	201905	1.0000	0.8162

14-01-100 26 AB

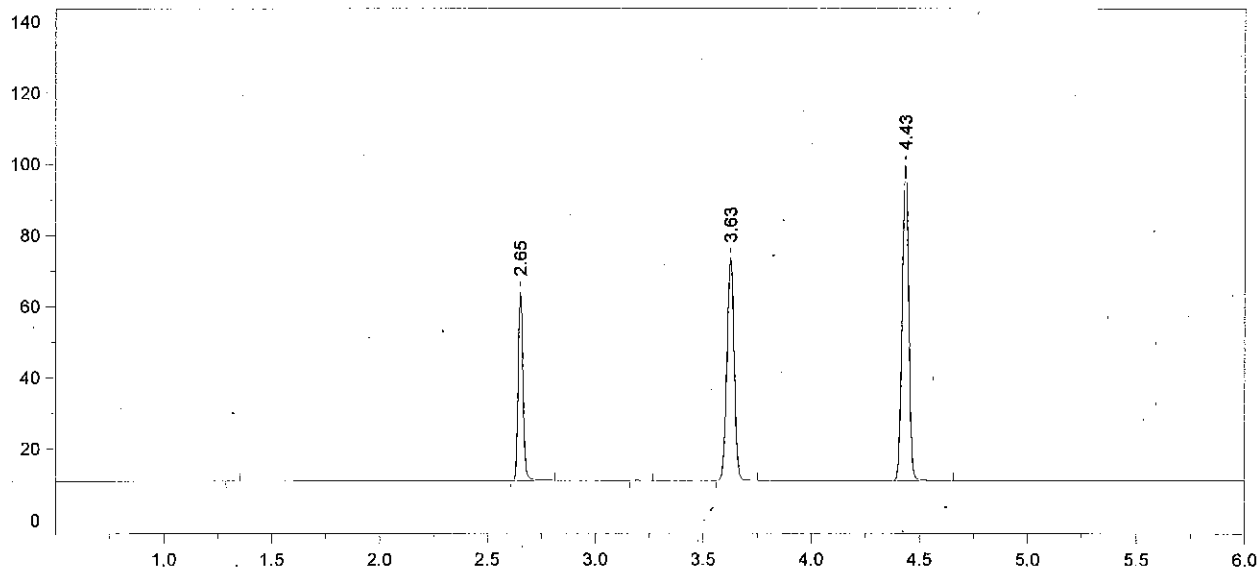


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:49 AM
Bound File Name = VFL01092014.0027.RAW
Sample Name = CCS
Date Taken = 1/9/2014 9:39:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87390	0.0857
4	3.63	t-Butanol	144246	0.9781
5	4.43	n-Propanol	196148	1.0000

14-01-100 27 AB



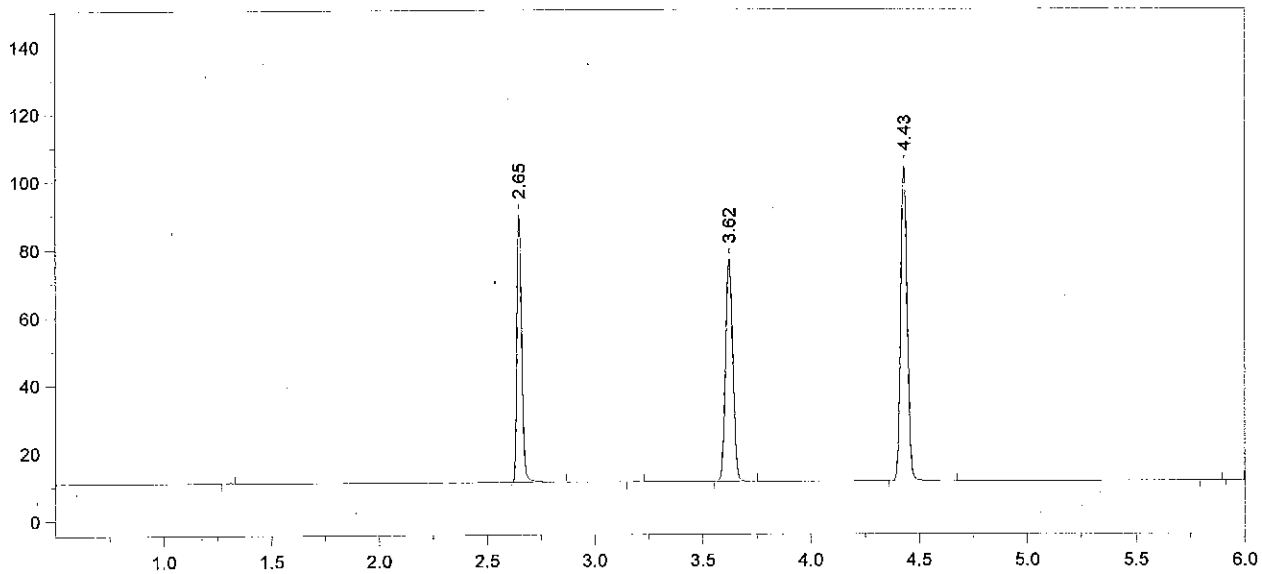
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:19:55 AM
Bound File Name = VFL01092014.0028.RAW
Sample Name = CCS
Date Taken = 1/9/2014 9:56:46 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82590	0.0844
4	3.63	t-Butanol	144184	1.0195
5	4.43	n-Propanol	188117	1.0000

Avg vals 27+28 = 0.085
AB 1/10/14

14-01-100 28 AB

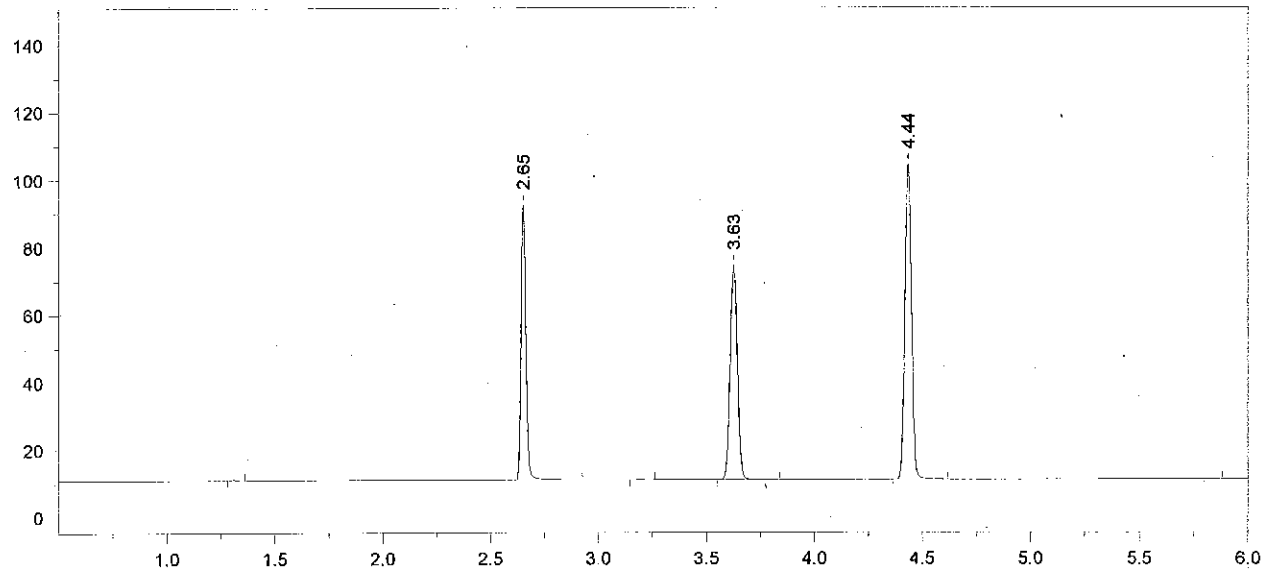


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:01 AM
Bound File Name = VFL01092014.0030.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 10:28:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	122748	0.1199	0.0978
4	3.62	t-Butanol	151602	1.0241	0.8359
5	4.43	n-Propanol	196902	1.0000	0.8162

14-01-100 29 [illegible]

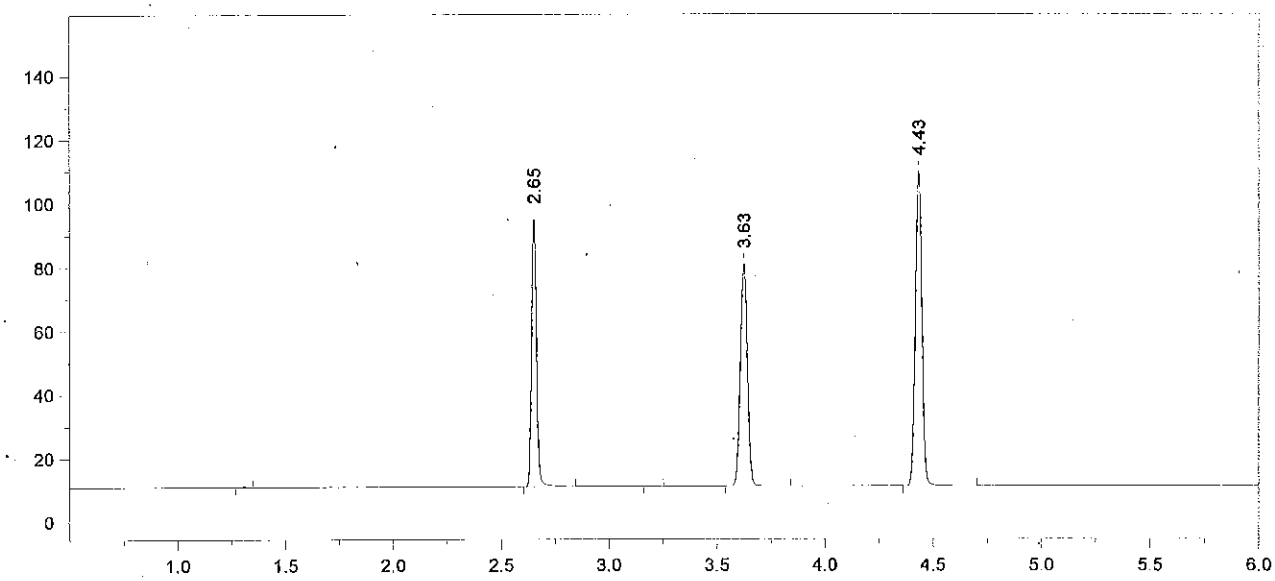


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:06 AM
Bound File Name = VFL01092014.0031.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 10:41:26 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	126123	0.1221	0.0996
4	3.63	t-Butanol	147140	0.9850	0.8040
5	4.44	n-Propanol	198690	1.0000	0.8162

14-01-100 30 AB

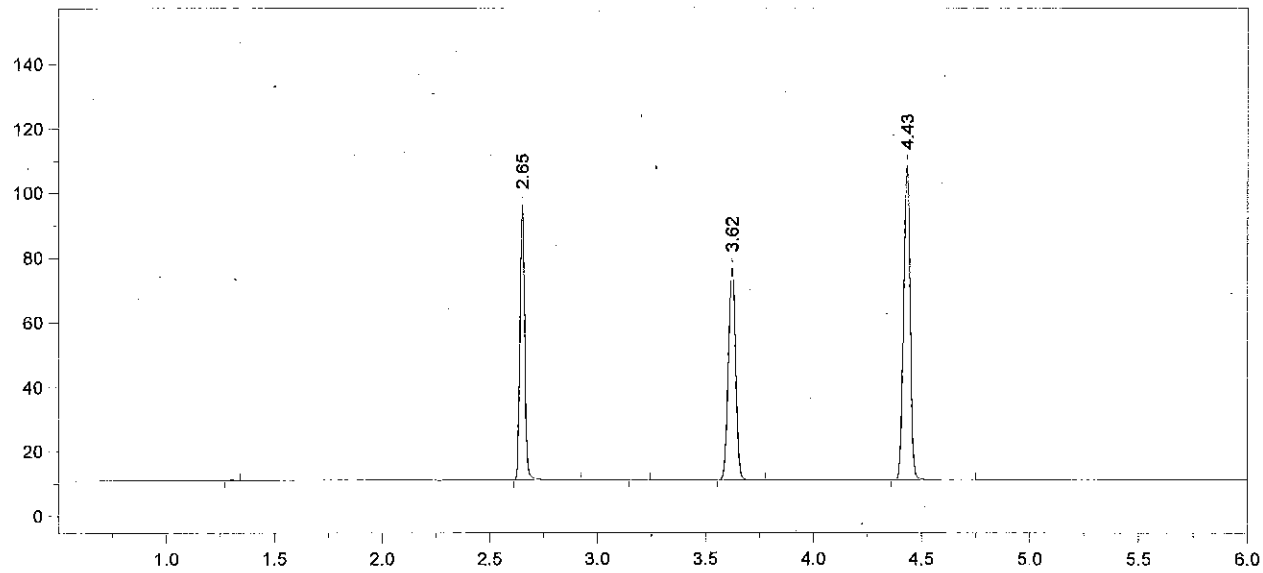


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:13 AM
Bound File Name = VFL01092014.0032.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 10:59:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	130519	0.1196	0.0976
4	3.63	t-Butanol	162017	1.0268	0.8381
5	4.43	n-Propanol	209872	1.0000	0.8162

14-01-100 31 AB

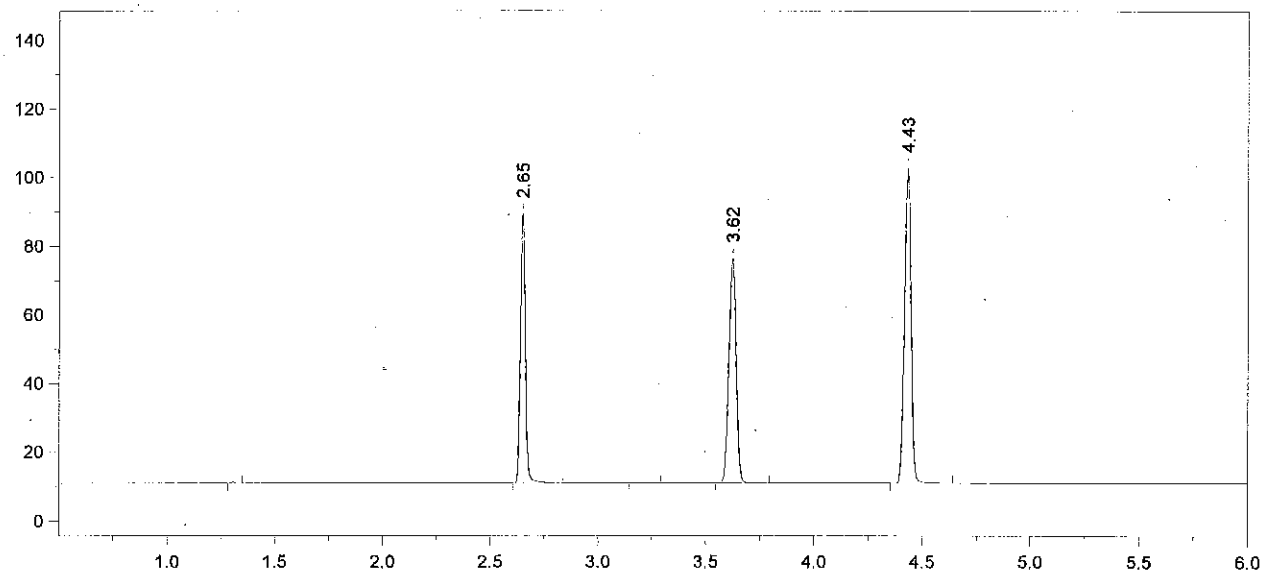


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:20 AM
Bound File Name = VFL01092014.0033.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 11:13:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	132312	0.1221	0.0997
4	3.62	t-Butanol	152236	0.9720	0.7934
5	4.43	n-Propanol	208319	1.0000	0.8162

14-01-100 32 AMB

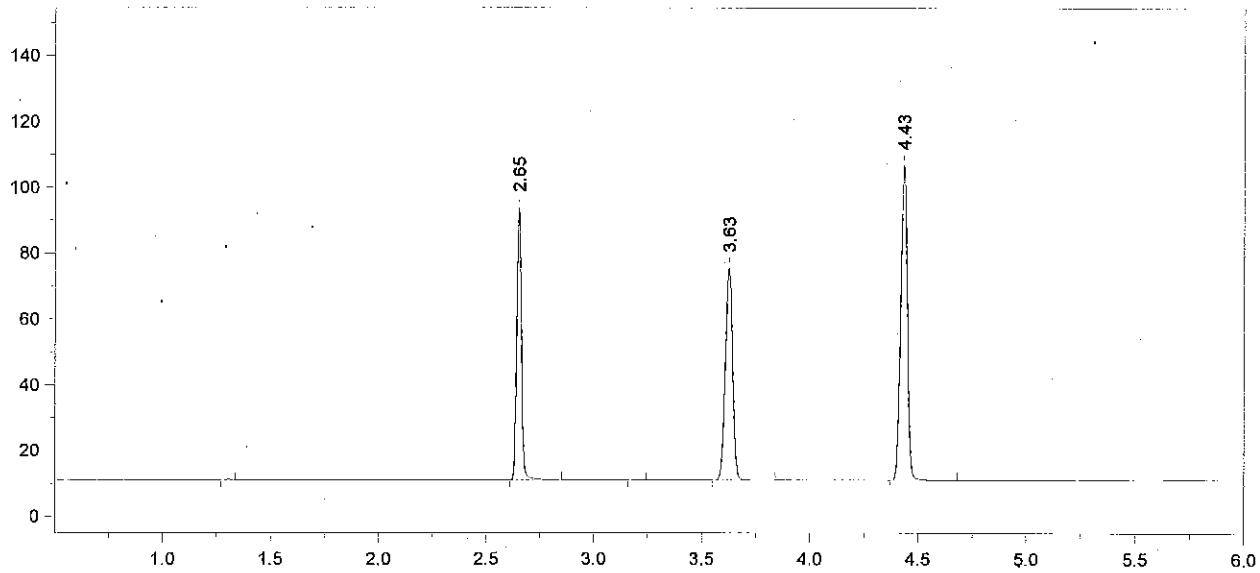


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:26 AM
Bound File Name = VFL01092014.0034.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 11:31:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	121002	0.1192	0.0973
4	3.62	t-Butanol	151530	1.0328	0.8430
5	4.43	n-Propanol	195146	1.0000	0.8162

14-01-100 33 AB

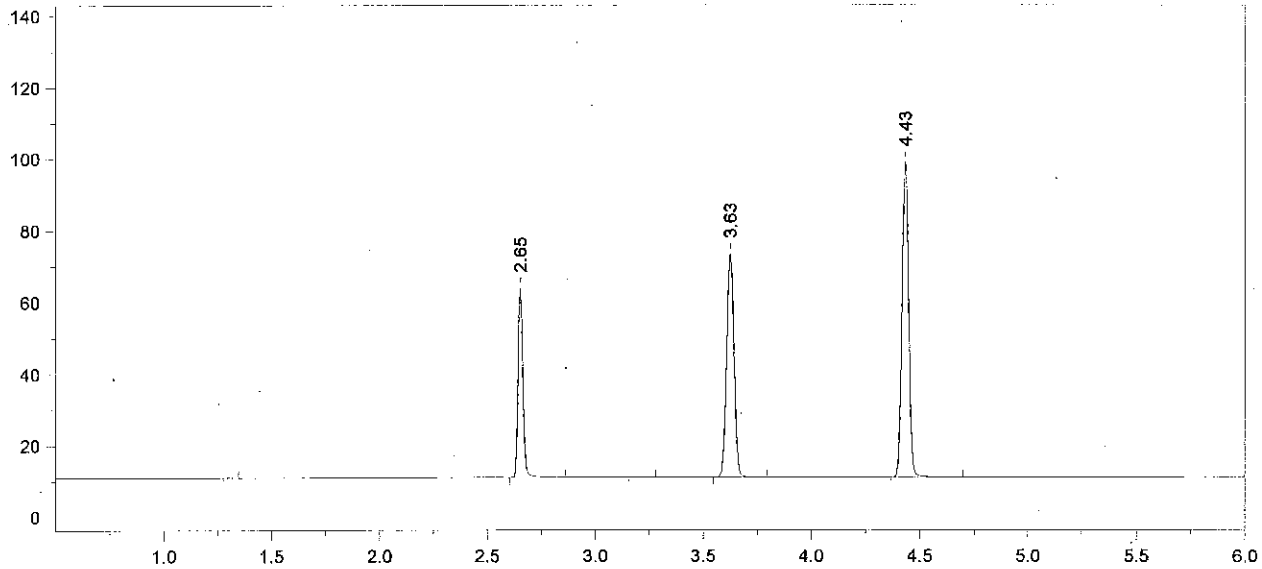


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:31 AM
Bound File Name = VFL01092014.0035.RAW
Sample Name = 14-01-100 RLM
Date Taken = 1/9/2014 11:44:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128408	0.1219	0.0995
4	3.63	t-Butanol	149627	0.9827	0.8020
5	4.43	n-Propanol	202531	1.0000	0.8162

14-01-100 34 AKB

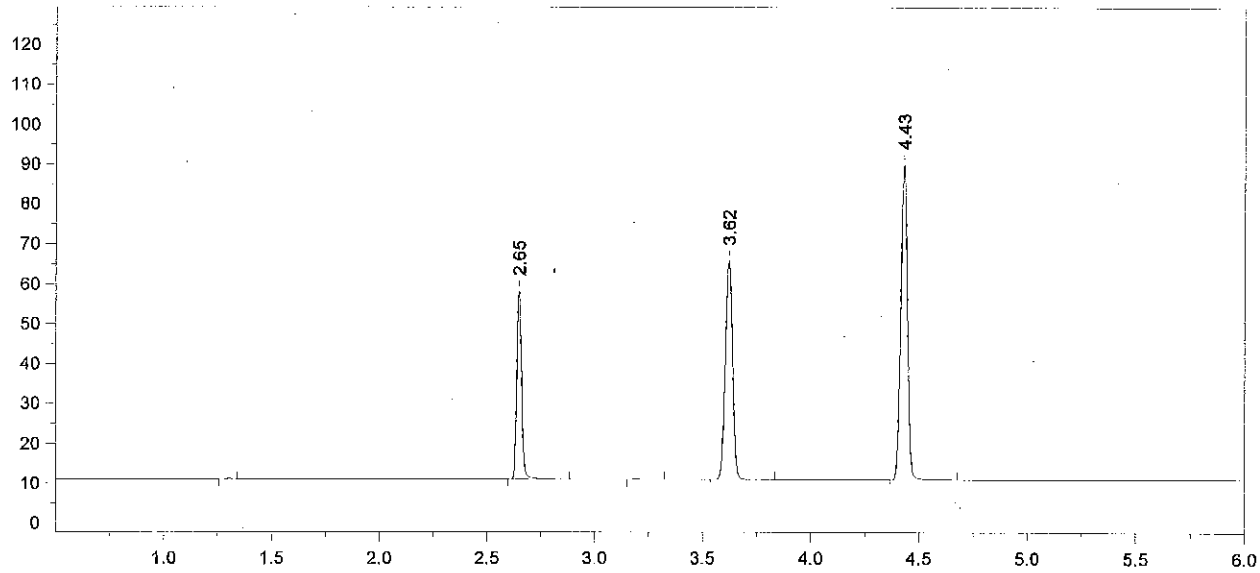


Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:38 AM
Bound File Name = VFL01092014.0036.RAW
Sample Name = CCS
Date Taken = 1/10/2014 12:02:29 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82285	0.0846
4	3.63	t-Butanol	144137	1.0248
5	4.43	n-Propanol	187070	1.0000

14-01-100 35 [illegible]



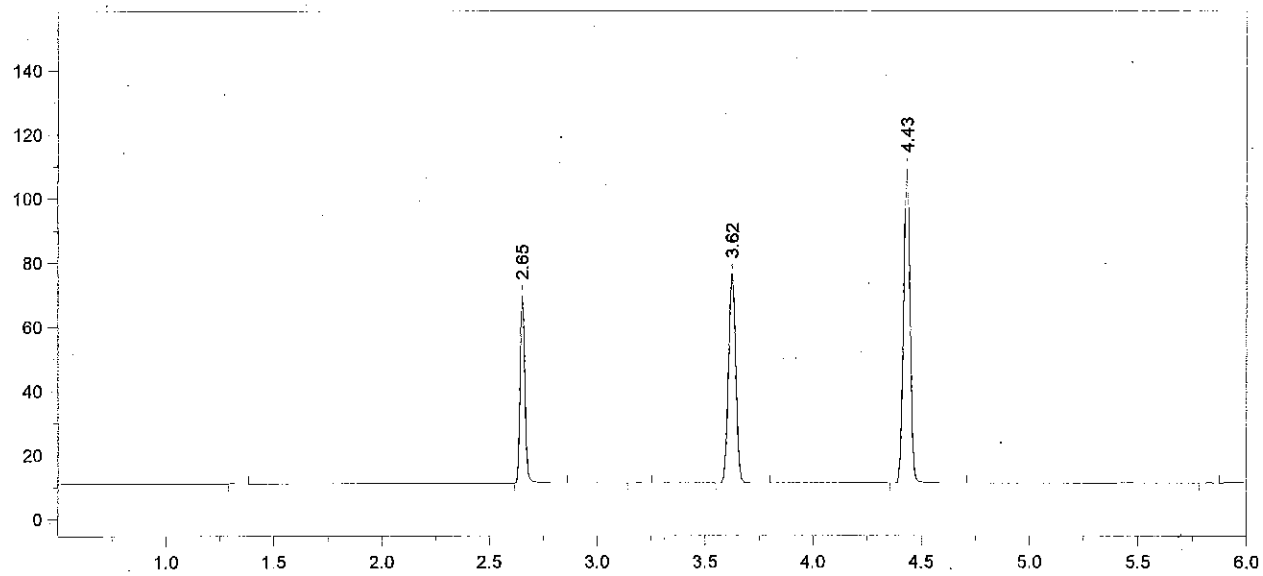
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 9:20:44 AM
Bound File Name = VFL01092014.0037.RAW
Sample Name = CCS
Date Taken = 1/10/2014 12:16:22 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74367	0.0854
4	3.62	t-Butanol	127549	1.0128
5	4.43	n-Propanol	167514	1.0000

Avg vals 36 + 37 = 0.085
1/10/14 [illegible]

14-01-100 36 [illegible]



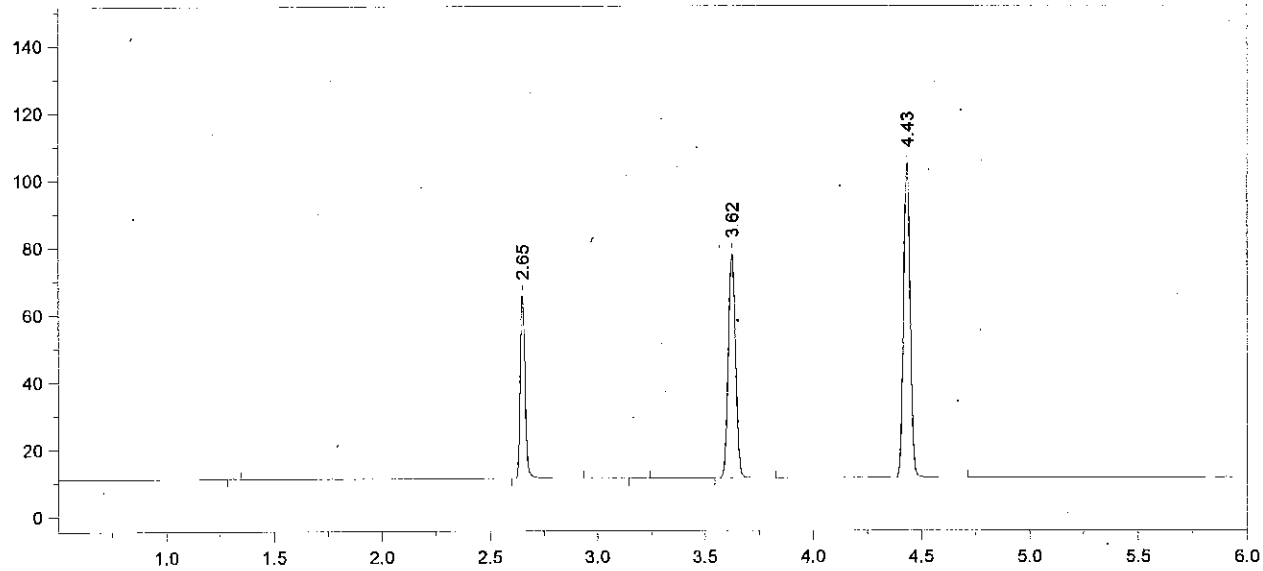
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 10:01:02 AM
Bound File Name = VFL01092014.0038.RAW
Sample Name = CCS 1/10/14
Date Taken = 1/10/2014 10:00:57 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	91534	0.0844
4	3.62	t-Butanol	150781	0.9622
5	4.43	n-Propanol	208440	1.0000

14-01-100 37 [illegible]

Chrom Perfect Chromatogram Report



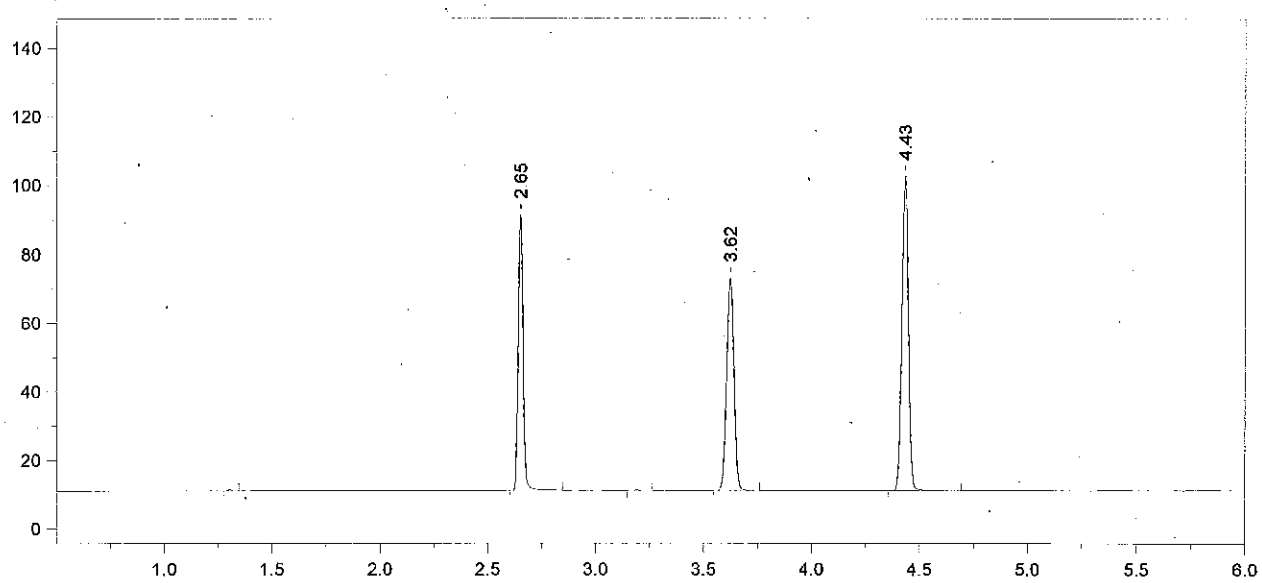
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 10:18:23 AM
Bound File Name = VFL01092014.0039.RAW
Sample Name = CCS
Date Taken = 1/10/2014 10:18:19 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85985	0.0827
4	3.62	t-Butanol	154823	1.0302
5	4.43	n-Propanol	199895	1.0000

Avg 38 + 39 = 0.083
1/10/14 AeB

14-01-100 38 AeB

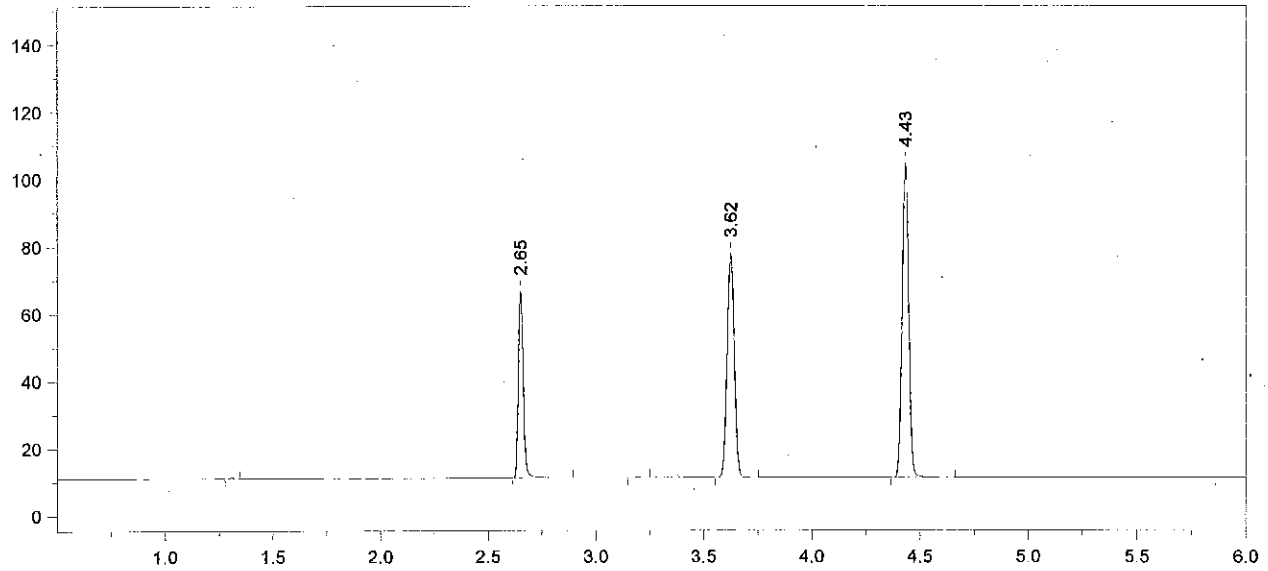


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/10/2014 Today's Time = 11:10:23 AM
Bound File Name = VFL01092014.0040.RAW
Sample Name = 0.1 14-01-100 RLM
Date Taken = 1/10/2014 10:32:11 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01092014.CAL Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	124886	0.1227	0.1002
4	3.62	t-Butanol	143438	0.9751	0.7959
5	4.43	n-Propanol	195652	1.0000	0.8162

14-01-100 39 AB



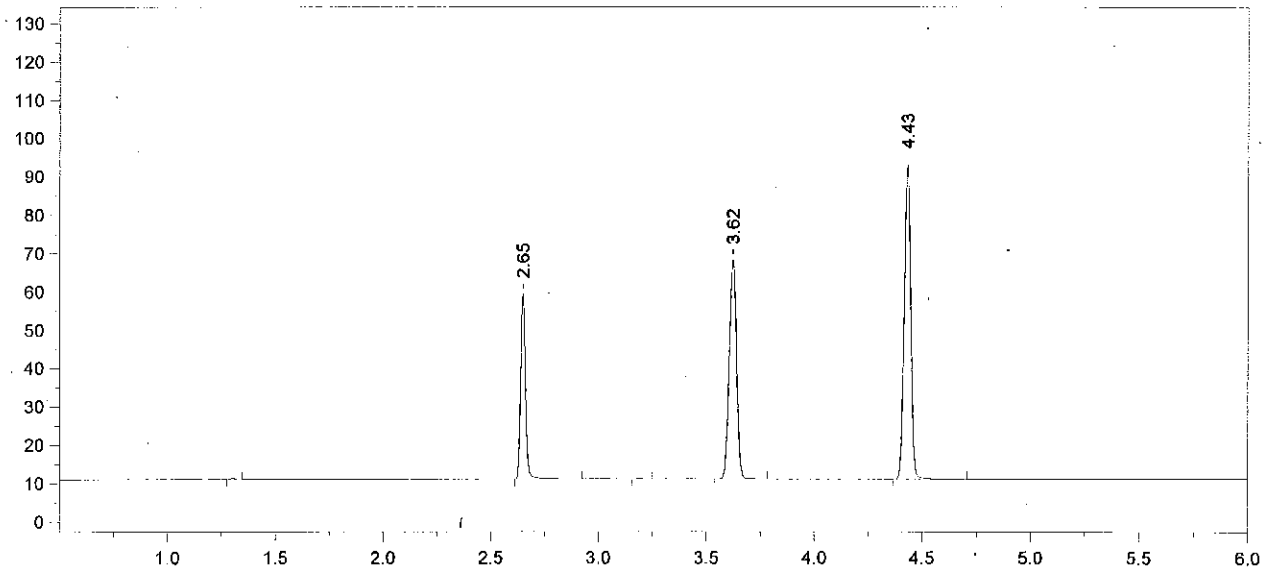
Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 10:49:52 AM
Bound File Name = VFL01092014.0041.RAW
Sample Name = CCS
Date Taken = 1/10/2014 10:49:43 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	86994	0.0838
4	3.62	t-Butanol	154439	1.0296
5	4.43	n-Propanol	199516	1.0000

14-01-100 40 [illegible]

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 1/10/2014
Today's Time = 11:03:35 AM
Bound File Name = VFL01092014.0042.RAW
Sample Name = CCS
Date Taken = 1/10/2014 11:03:31 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01092014.CAL
Calibration Version = 9

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75680	0.0836
4	3.62	t-Butanol	132134	1.0092
5	4.43	n-Propanol	174149	1.0000

Avg Vials 41 + 42 = 0.084
1/10/14 [illegible]

14-01-100 41 [illegible]

File Name: C:\Methods\SIM01132014.CAL
Version: 7

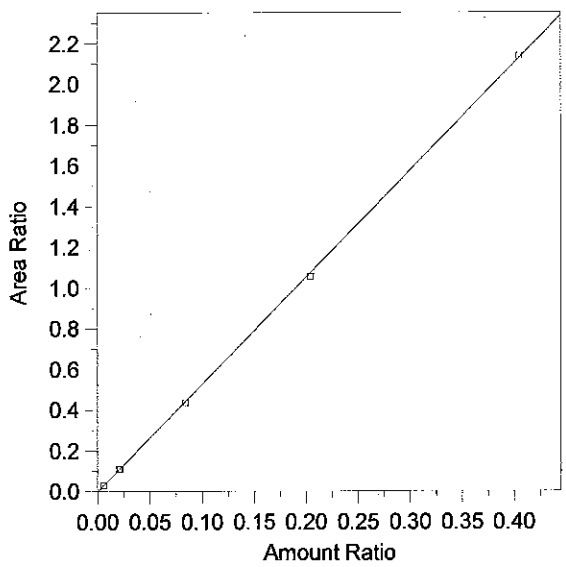
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1500
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time:	2.656 minutes
Search window:	0.1 minutes
Internal standard component:	7 (n-Propanol)
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

Y = 5.254993 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9998415
Average error:	1.733%
Average CF:	5.271116
RSD:	2.538%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.091)	(85146)	–	--	0.091	85146	Manual	8/12/2013 4:03:34 PM
2	0.0053	5867.671	1107108	4.606	0.0053	2.913443E-02	C:\Alcohol Data\SIM01132014\SIM01132014.0003.BND	1/13/2014 1:02:51 PM
3	0.0211	21996.8	1042502	-0.554	0.0211	0.1102664	C:\Alcohol Data\SIM01132014\SIM01132014.0004.BND	1/13/2014 1:20:30 PM
4	0.0841	92767.58	1103063	-1.300	0.0841	0.4361986	C:\Alcohol Data\SIM01132014\SIM01132014.0005.BND	1/13/2014 1:34:23 PM
5	0.2043	228312.7	1117537	-1.711	0.2043	1.055221	C:\Alcohol Data\SIM01132014\SIM01132014.0006.BND	1/13/2014 1:50:16 PM
6	0.4047	449085.2	1109674	0.493	0.4047	2.137181	C:\Alcohol Data\SIM01132014\SIM01132014.0007.BND	1/13/2014 2:05:08 PM

ES: ES-12202013
TMX: TMX-08122013
IS: IS-10312013
RZM 1/14/14

14-01-100 42 AeB

File Name = C:\Alcohol Data\SIM01132014\SIM01132014.SEQ
Version = 2
File Date = 1/14/2014 8:32:19 AM

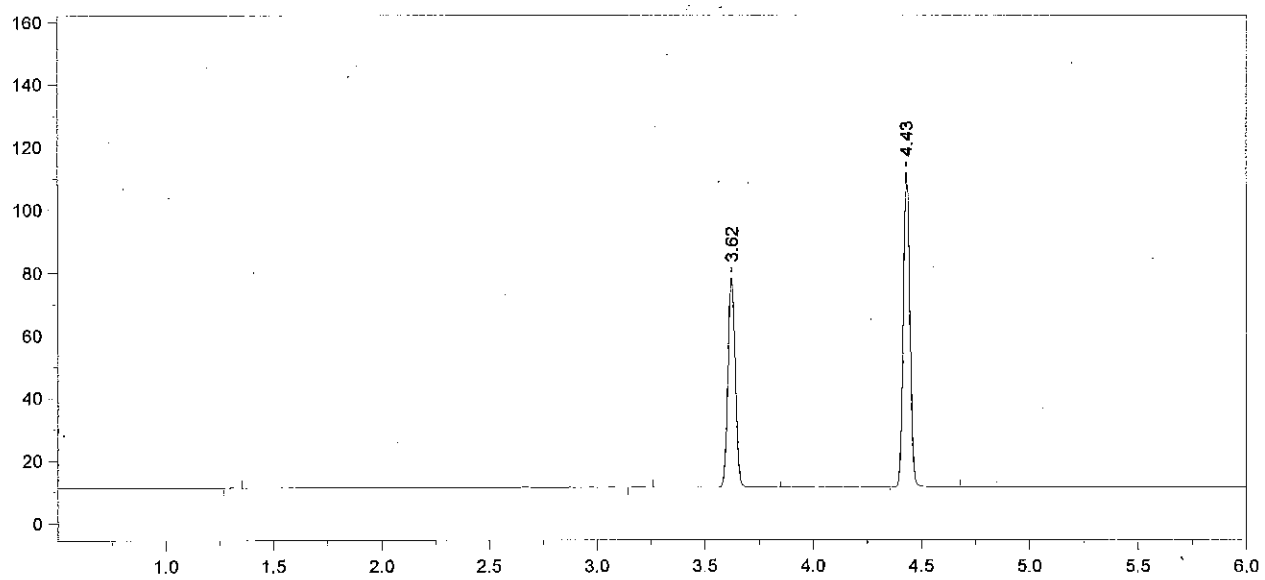
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM01132014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM01132014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM01132014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM01132014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM01132014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM01132014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM01132014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM01132014.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM01132014.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM01132014.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM01132014.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM01132014.0012.raw	simsoln.met	0.1 RLM	1.00	1.00
13	SIM01132014.0013.raw	simsoln.met	0.1 RLM	1.00	1.00
14	SIM01132014.0014.raw	simsoln.met	0.1 RLM	1.00	1.00
15	SIM01132014.0015.raw	simsoln.met	0.1 RLM	1.00	1.00
16	SIM01132014.0016.raw	simsoln.met	0.1 RLM	1.00	1.00
17	SIM01132014.0017.raw	simsoln.met	0.1 RLM	1.00	1.00
18	SIM01132014.0018.raw	simsoln.met	0.1 RLM	1.00	1.00
19	SIM01132014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM01132014.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM01132014.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	SIM01132014.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	SIM01132014.0023.raw	simsoln.met	0.1 ALB	1.00	1.00
24	SIM01132014.0024.raw	simsoln.met	0.1 ALB	1.00	1.00
25	SIM01132014.0025.raw	simsoln.met	0.1 ALB	1.00	1.00
26	SIM01132014.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	SIM01132014.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	SIM01132014.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM01132014.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM01132014.0030.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
31	SIM01132014.0031.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
32	SIM01132014.0032.raw	simsoln.met	0.1 RLM	1.00	1.00
33	SIM01132014.0033.raw	simsoln.met	0.1 RLM	1.00	1.00
34	SIM01132014.0034.raw	simsoln.met	0.1 RLM	1.00	1.00
35	SIM01132014.0035.raw	simsoln.met	0.1 RLM	1.00	1.00
36	SIM01132014.0036.raw	simsoln.met	0.1 RLM	1.00	1.00
37	SIM01132014.0037.raw	simsoln.met	0.1 RLM	1.00	1.00
38	SIM01132014.0038.raw	simsoln.met	0.1 RLM	1.00	1.00
39	SIM01132014.0039.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
40	SIM01132014.0040.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Vials 30-40 run on 1/14/14 within 24 hrs of calibration. RLM 1/14/14

Averages
1/9/14 ALB 0.102
1/9/14 RLM 0.099
1/13/14 RLM 0.091
1/13/14 ALB 0.099
RLM 1/14/14

Average of first set of vials prepared by RLM on 1/13/14 inconsistent with averages from preparations by RLM and ALB on 1/9/14 and preparation by ALB on 1/13/14. RPD of first set prepared by RLM on 1/13/14 and set prepared by ALB on 1/13/14 = 10.5%. Second set of vials prepared by RLM on 1/14/14. RPD of 2nd set by RLM and set by ALB is 4.58%. First set of vials prepared by RLM on 1/13/14 not used in final calculations. RLM 1/14/14

14-01-100 43 ALB

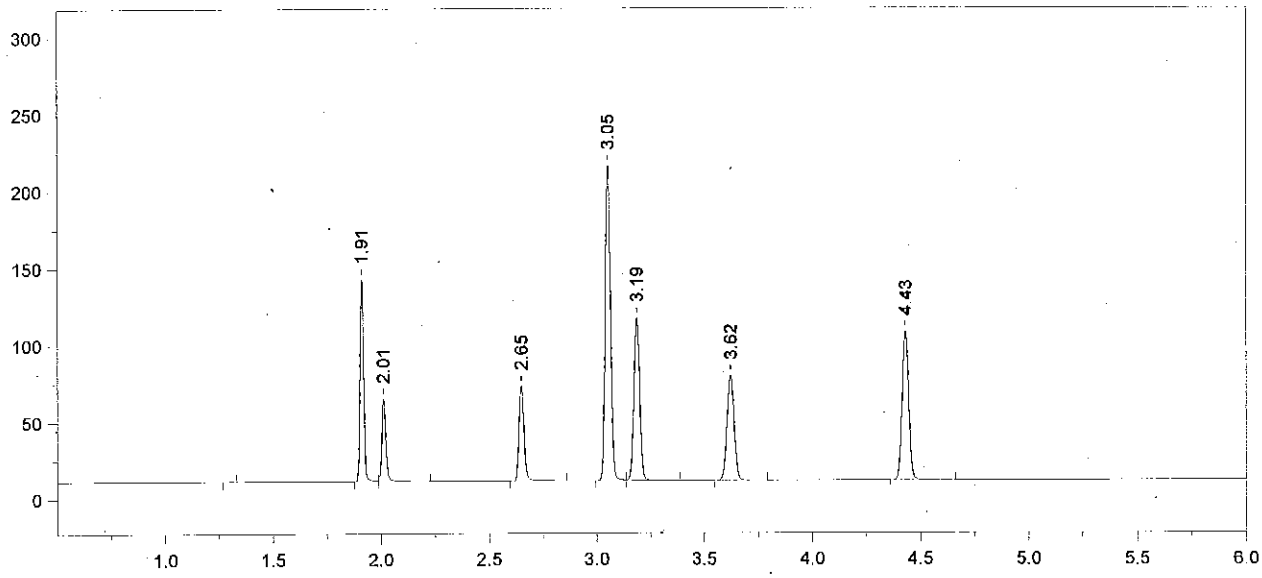


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:04:36 AM
Bound File Name = SIM01132014.0001.RAW
Sample Name = Blank
Date Taken = 1/13/2014 12:30:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.62	t-Butanol	155244	0.9661
4	4.43	n-Propanol	214910	1.0000

14-01-100 44 AeB

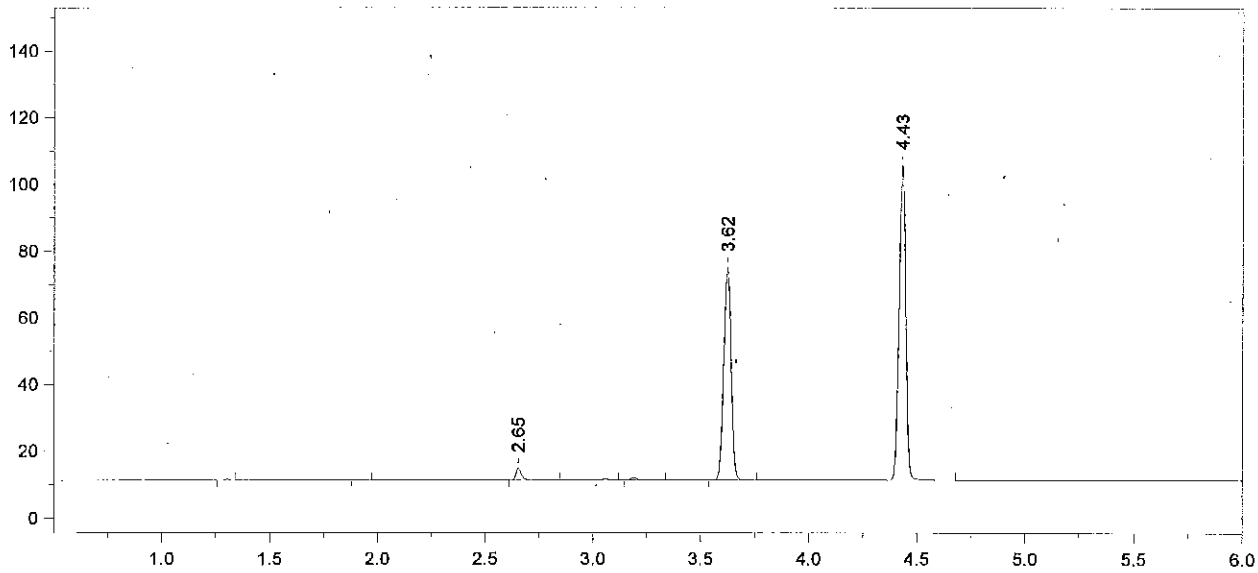


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:04:44 AM
Bound File Name = SIM01132014.0002.RAW
Sample Name = TMX
Date Taken = 1/13/2014 12:48:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.91	Acetaldehyde	153897	0.0520
3	2.01	Methanol	69437	0.1370
4	2.65	Ethanol	96533	0.0895
5	3.05	Acetone	351368	0.0940
6	3.19	Isopropanol	198697	0.0850
7	3.62	t-Butanol	157464	1.0257
8	4.43	n-Propanol	205322	1.0000

14-01-100 45 AeB

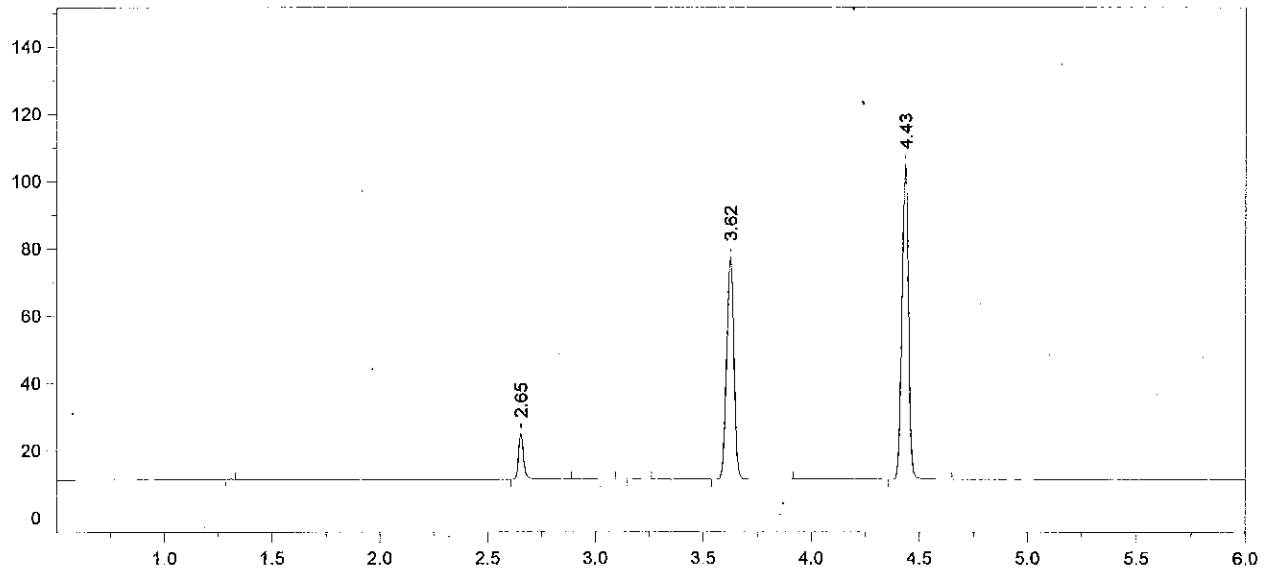


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:04:49 AM
Bound File Name = SIM01132014.0003.RAW
Sample Name = STD A
Date Taken = 1/13/2014 1:02:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	05868	0.0055 *
6	3.62	t-Butanol	147774	0.9813
7	4.43	n-Propanol	201400	1.0000

14-01-100 46 AB

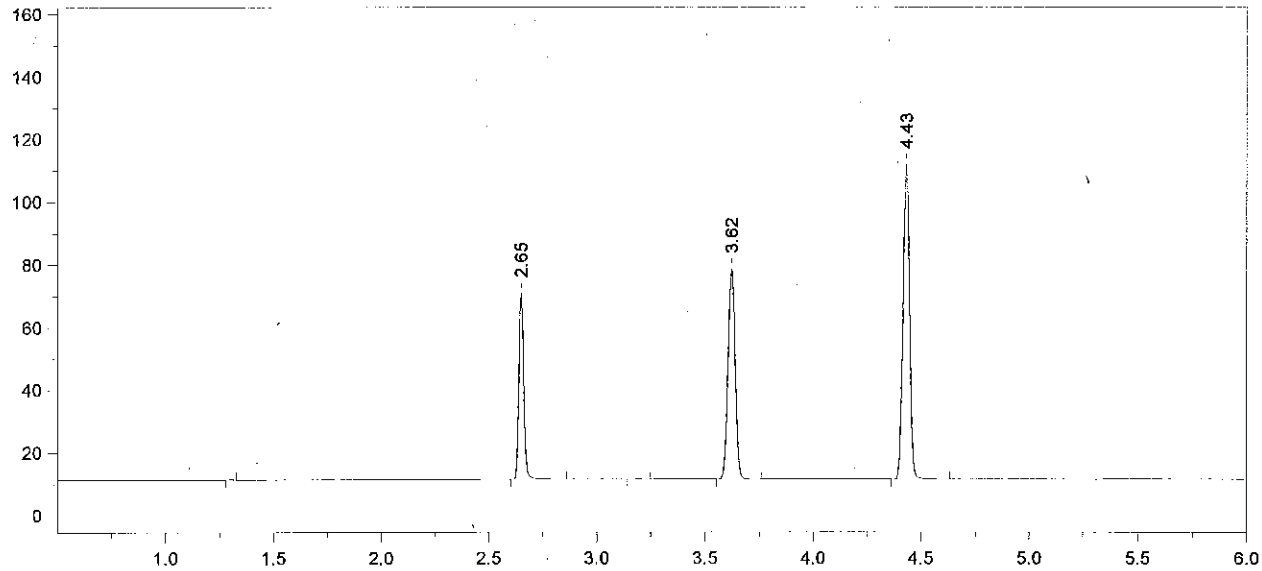


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:04:55 AM
Bound File Name = SIM01132014.0004.RAW
Sample Name = STD B
Date Taken = 1/13/2014 1:20:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	21997	0.0210 *
5	3.62	t-Butanol	153164	1.0269
6	4.43	n-Propanol	199488	1.0000

14-01-100 47 AeB

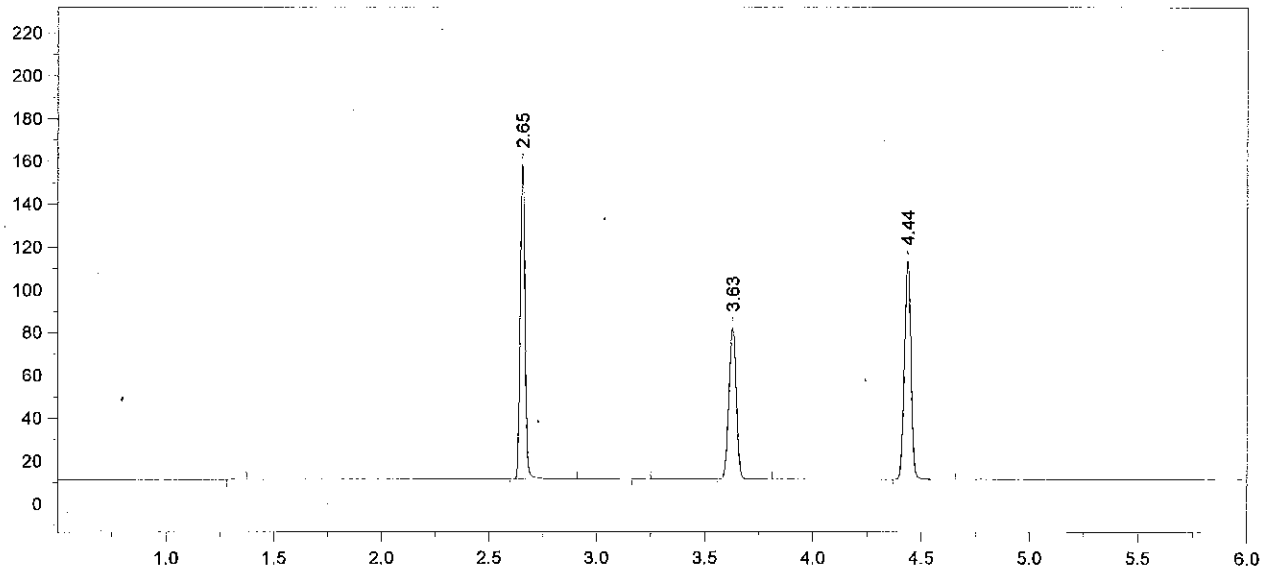


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:05:01 AM
Bound File Name = SIM01132014.0005.RAW
Sample Name = STD C
Date Taken = 1/13/2014 1:34:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	92768	0.0830*
4	3.62	t-Butanol	155130	0.9756
5	4.43	n-Propanol	212673	1.0000

14-01-100 KB

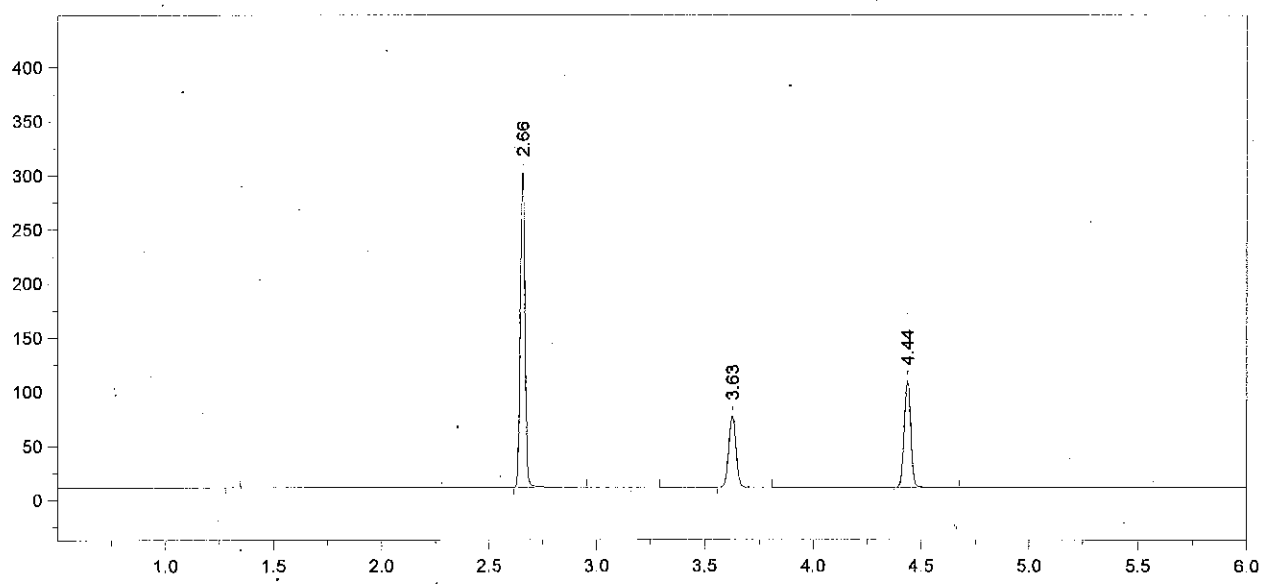


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:05:06 AM
Bound File Name = SIM01132014.0006.RAW
Sample Name = STD D
Date Taken = 1/13/2014 1:50:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	228313	0.2008 *
4	3.63	t-Butanol	164704	1.0181
5	4.44	n-Propanol	216365	1.0000

14-01-100 49 [illegible]

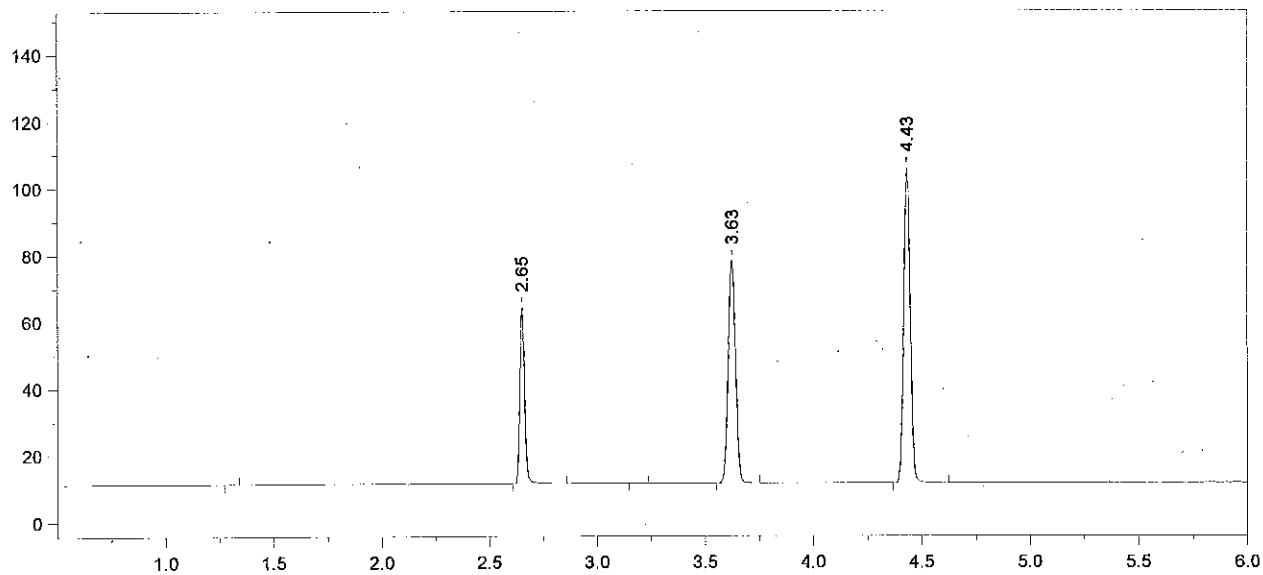


Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 8:05:12 AM
Bound File Name = SIM01132014.0007.RAW
Sample Name = STD E
Date Taken = 1/13/2014 2:05:04 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	449085	0.4067 *
4	3.63	t-Butanol	152776	0.9724
5	4.44	n-Propanol	210130	1.0000

14-01-100 50 [illegible]

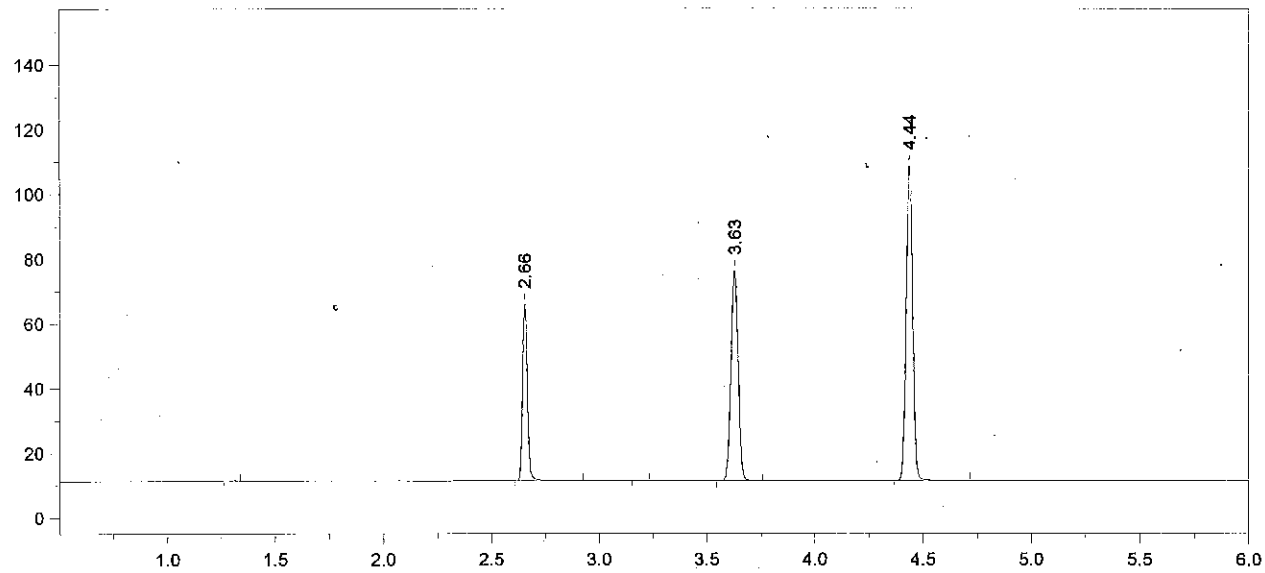


Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 2:21:45 PM
Bound File Name = SIM01132014.0008.RAW
Sample Name = AQ QC
Date Taken = 1/13/2014 2:21:38 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82863	0.0788 *
4	3.63	t-Butanol	154583	1.0335
5	4.43	n-Propanol	200054	1.0000

14-01-100 51 AWB



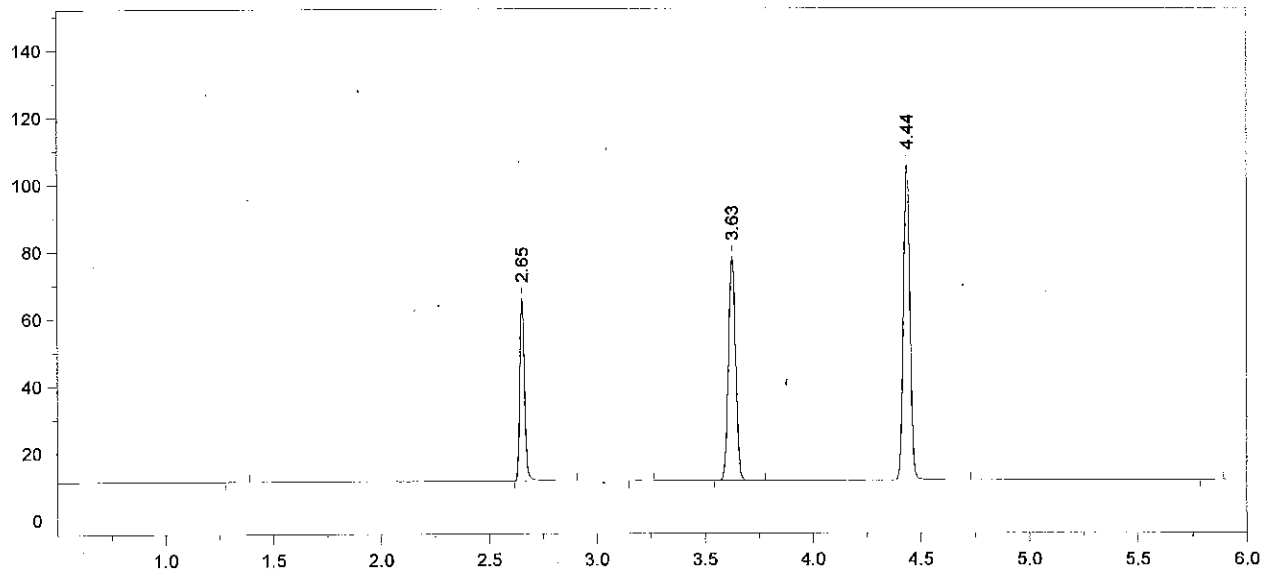
Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 2:35:32 PM
Bound File Name = SIM01132014.0009.RAW
Sample Name = AQ QC
Date Taken = 1/13/2014 2:35:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	85944	0.0792 *
4	3.63	t-Butanol	150293	0.9730
5	4.44	n-Propanol	206582	1.0000

Avg #8+#9 = 0.079
AQ QC : Cerilliant FN021111-03
Target value: 0.080
% recovery = 99%
RLM 1/14/14

14-01-100 52 [illegible]

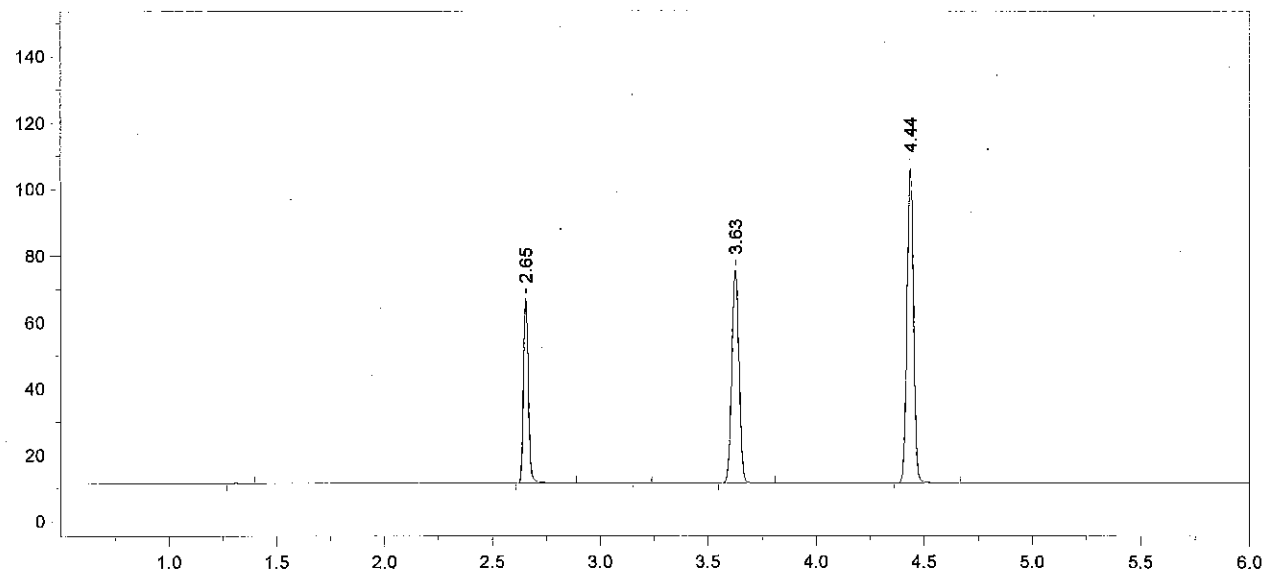


Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 2:53:05 PM
Bound File Name = SIM01132014.0010.RAW
Sample Name = CCS
Date Taken = 1/13/2014 2:53:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85067	0.0810 *
4	3.63	t-Butanol	154515	1.0342
5	4.44	n-Propanol	199830	1.0000

14-01-100 53 [illegible]



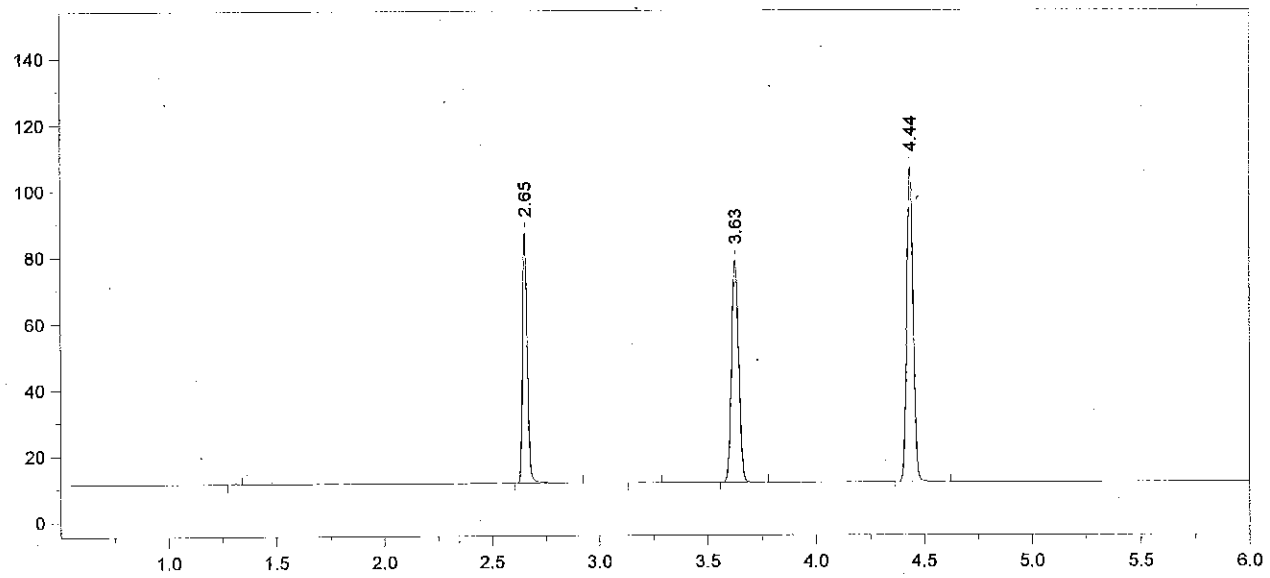
Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 3:07:11 PM
Bound File Name = SIM01132014.0011.RAW
Sample Name = CCS
Date Taken = 1/13/2014 3:07:05 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87173	0.0822*
4	3.63	t-Butanol	148734	0.9857
5	4.44	n-Propanol	201813	1.0000

Avg #10 + #11 = 0.081
RZM 1/14/14

14-01-100 54

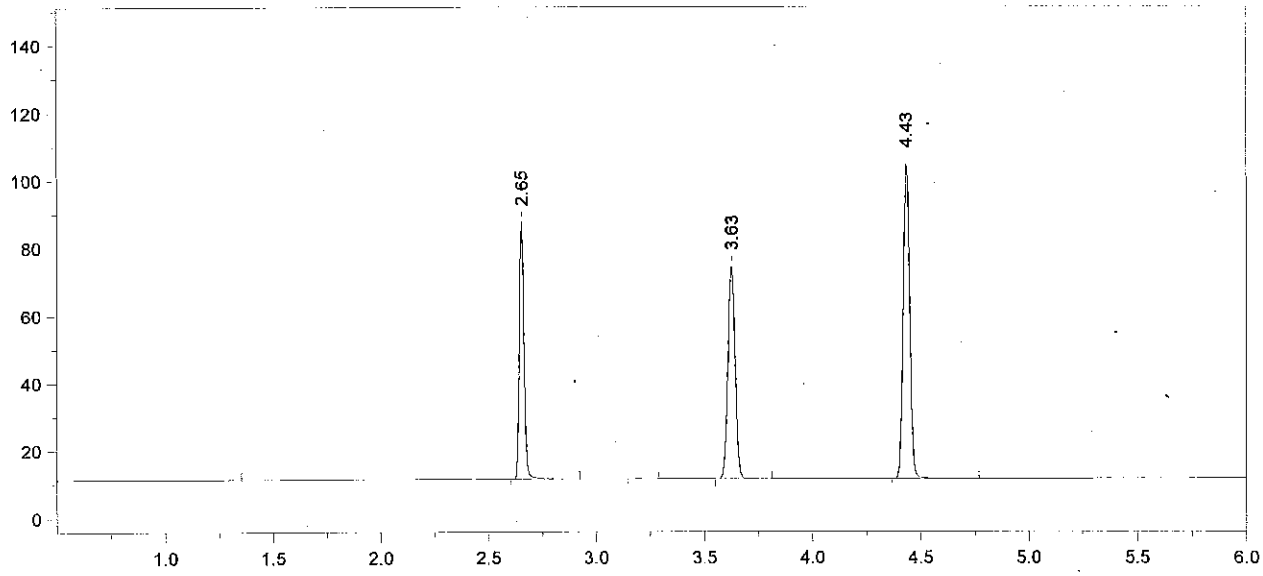


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 3:24:38 PM
Bound File Name = SIM01132014.0012.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 3:24:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	118145	0.1112	0.0908
4	3.63	t-Butanol	155502	1.0290	0.8398
5	4.44	n-Propanol	202123	1.0000	0.8162

14-01-100 55 [illegible]



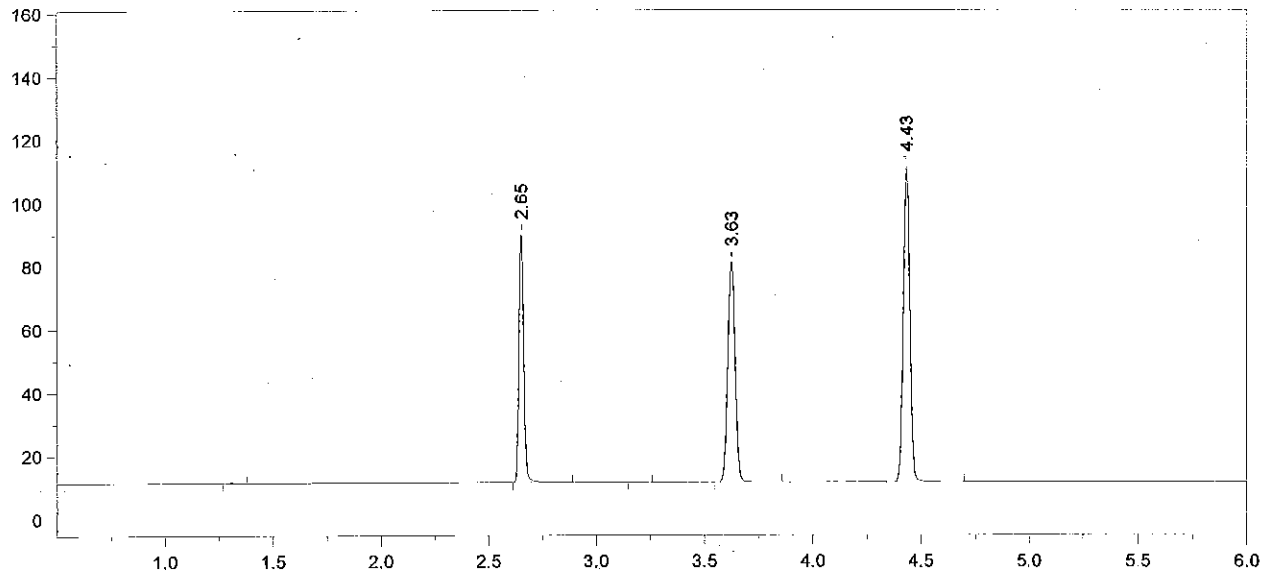
Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 3:38:24 PM
Bound File Name = SIM01132014.0013.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 3:38:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	118907	0.1136	0.0927
4	3.63	t-Butanol	146049	0.9806	0.8004
5	4.43	n-Propanol	199198	1.0000	0.8162

14-01-100 56 AB

Chrom Perfect Chromatogram Report

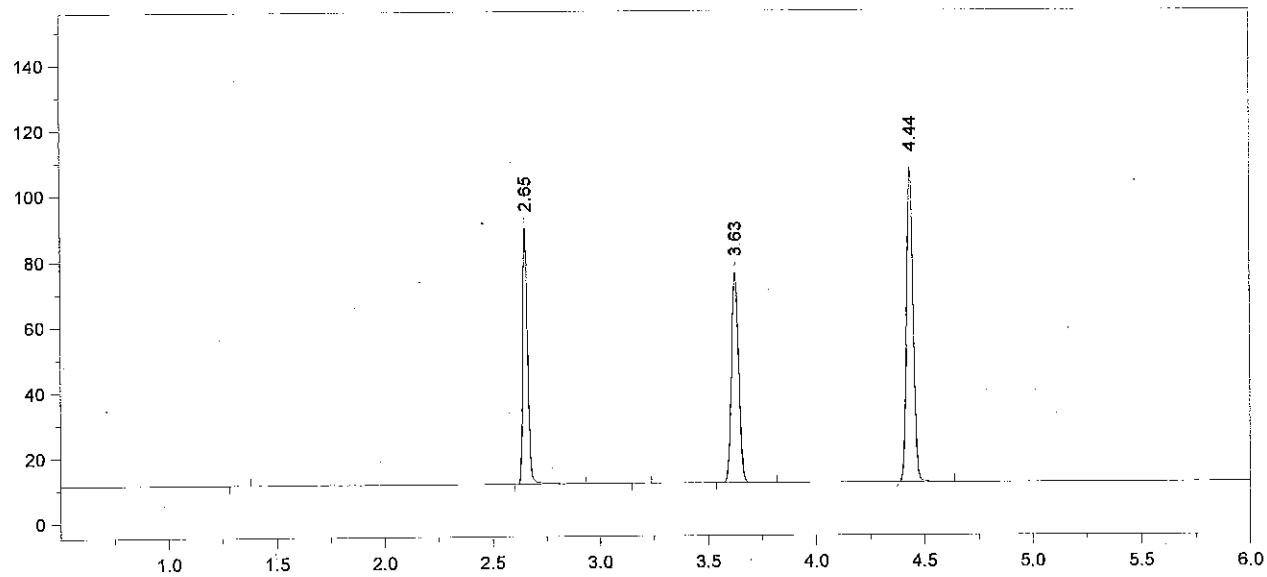


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 3:54:23 PM
Bound File Name = SIM01132014.0014.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 3:54:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	122998	0.1110	0.0906
4	3.63	t-Butanol	161680	1.0254	0.8370
5	4.43	n-Propanol	210874	1.0000	0.8162

14-01-100 57 [illegible]

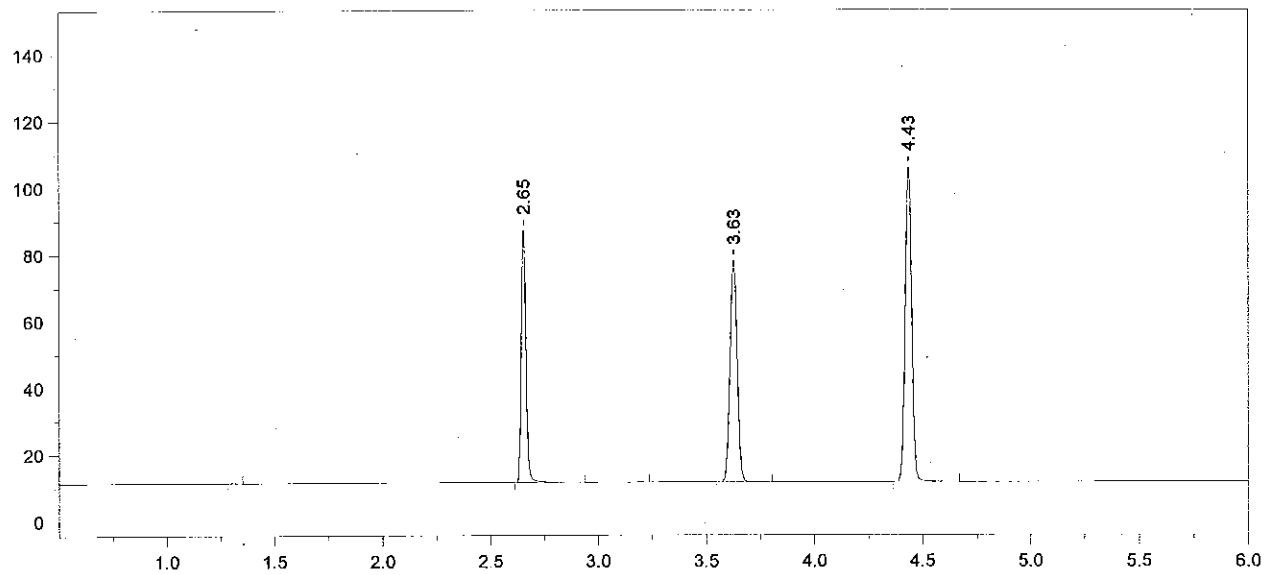


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 4:09:52 PM
Bound File Name = SIM01132014.0015.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 4:09:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	122455	0.1140	0.0930
4	3.63	t-Butanol	149149	0.9758	0.7965
5	4.44	n-Propanol	204425	1.0000	0.8162

14-01-100 58 AB

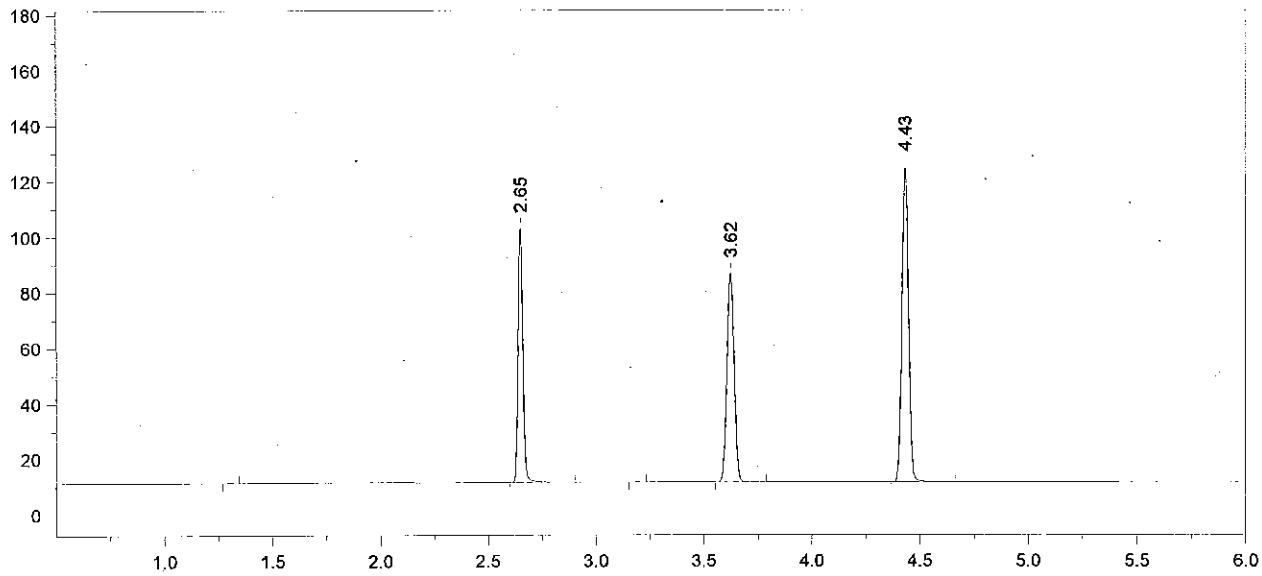


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 4:25:50 PM
Bound File Name = SIM01132014.0016.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 4:25:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	117455	0.1112	0.0908
4	3.63	t-Butanol	154214	1.0262	0.8376
5	4.43	n-Propanol	200993	1.0000	0.8162

14-01-100 59

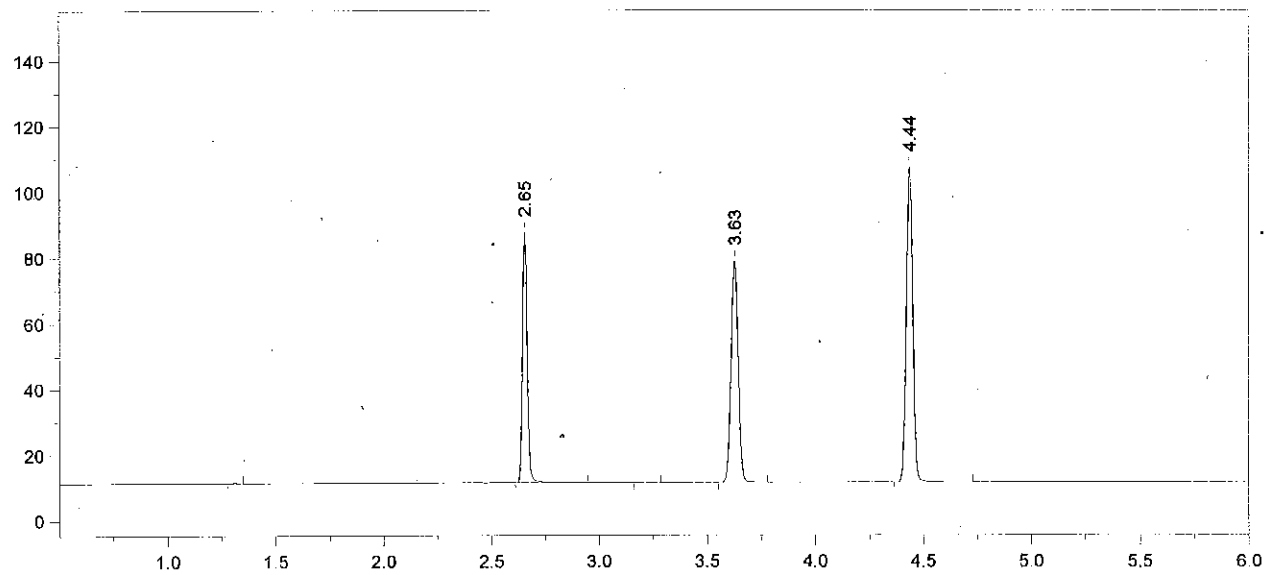


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 4:39:37 PM
Bound File Name = SIM01132014.0017.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 4:39:28 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	142329	0.1124	0.0917
4	3.62	t-Butanol	174998	0.9713	0.7928
5	4.43	n-Propanol	240970	1.0000	0.8162

14-01-100 60

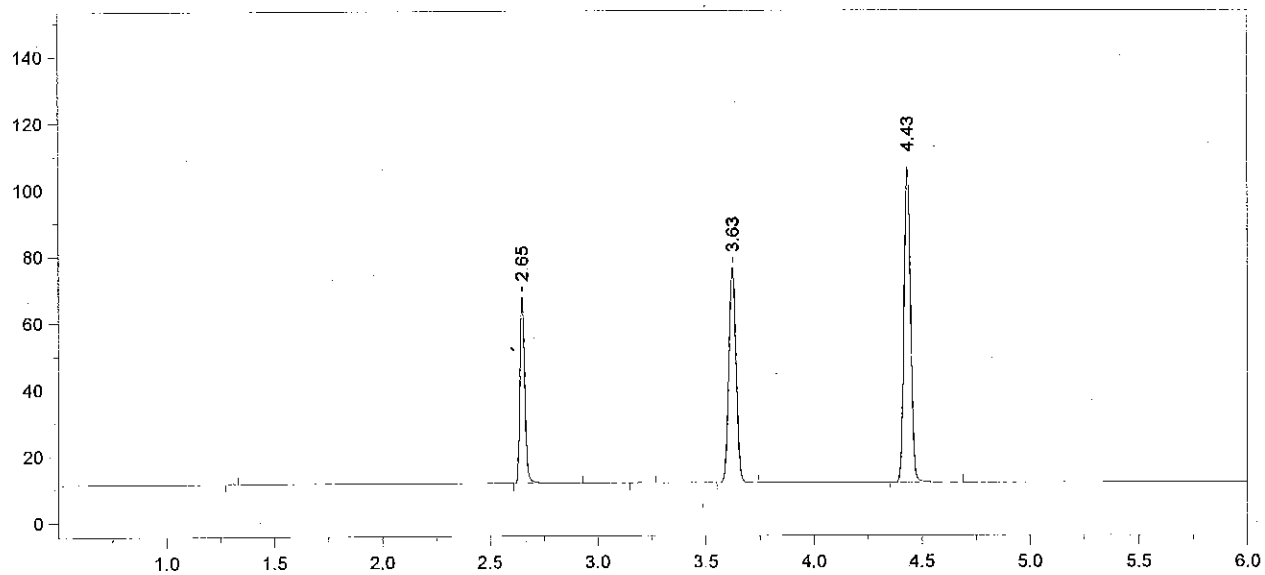


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 4:57:17 PM
Bound File Name = SIM01132014.0018.RAW
Sample Name = 0.1 RLM
Date Taken = 1/13/2014 4:57:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	119168	0.1112	0.0908
4	3.63	t-Butanol	156303	1.0250	0.8366
5	4.44	n-Propanol	203952	1.0000	0.8162

14-01-100 61

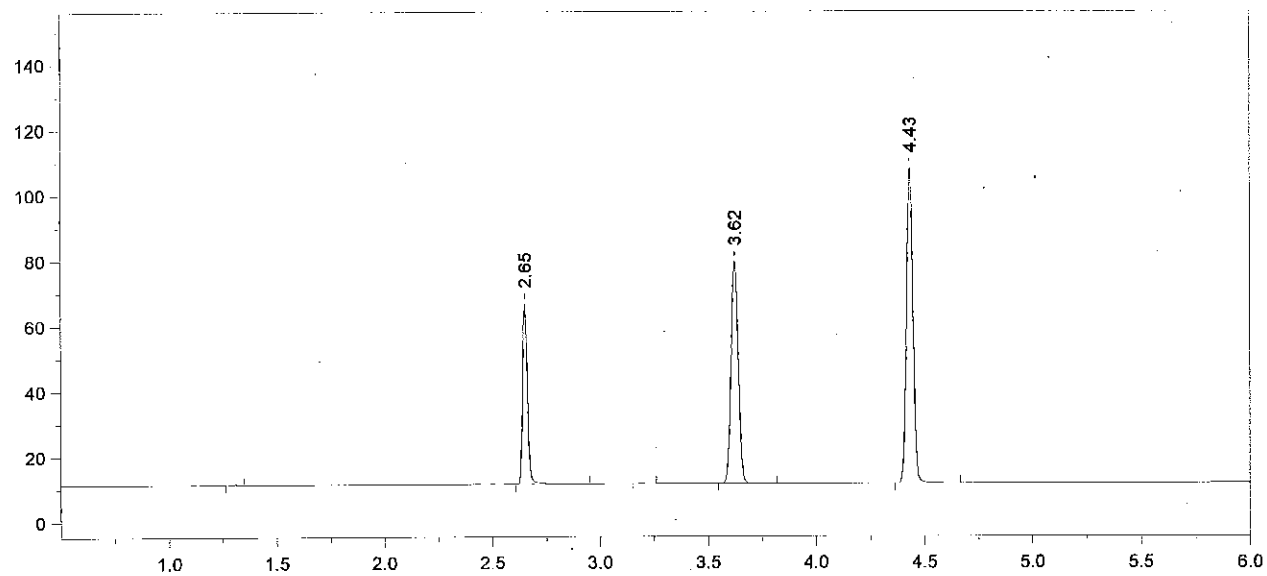


Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 5:11:08 PM
Bound File Name = SIM01132014.0019.RAW
Sample Name = CCS
Date Taken = 1/13/2014 5:11:03 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87756	0.0827 *
4	3.63	t-Butanol	149105	0.9873
5	4.43	n-Propanol	201986	1.0000

14-01-100 62



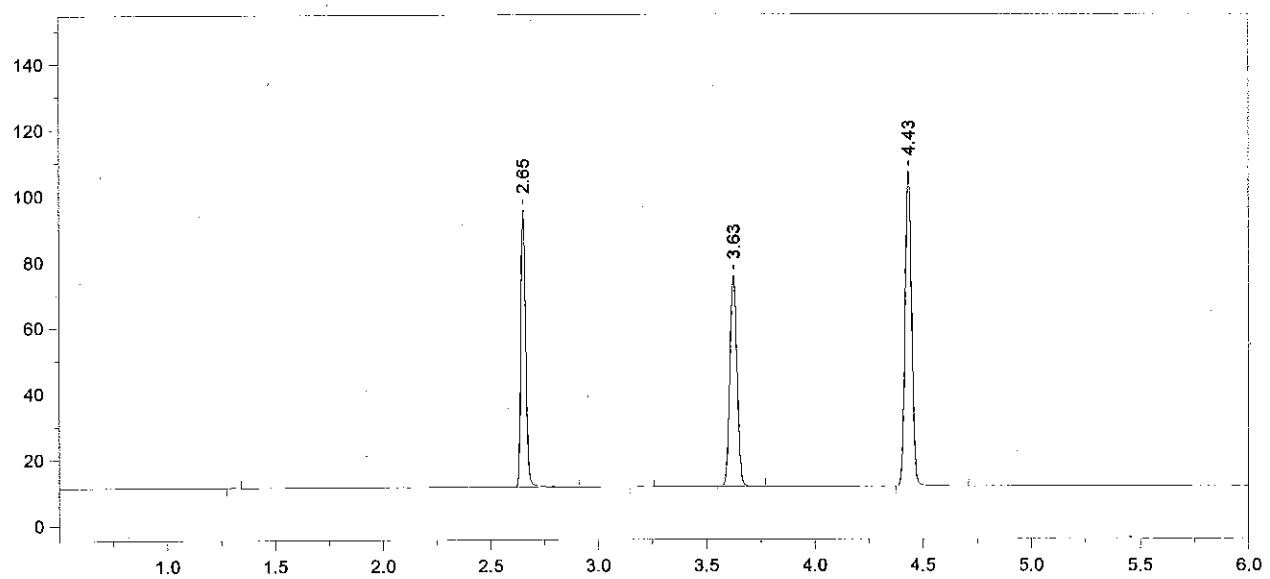
Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 5:28:39 PM
Bound File Name = SIM01132014.0020.RAW
Sample Name = CCS
Date Taken = 1/13/2014 5:28:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	86990	0.0810 *
4	3.62	t-Butanol	157887	1.0334
5	4.43	n-Propanol	204340	1.0000

Avg #19 + #20 = 0.082
RM 1/14/14

14-01-100 63 [illegible]

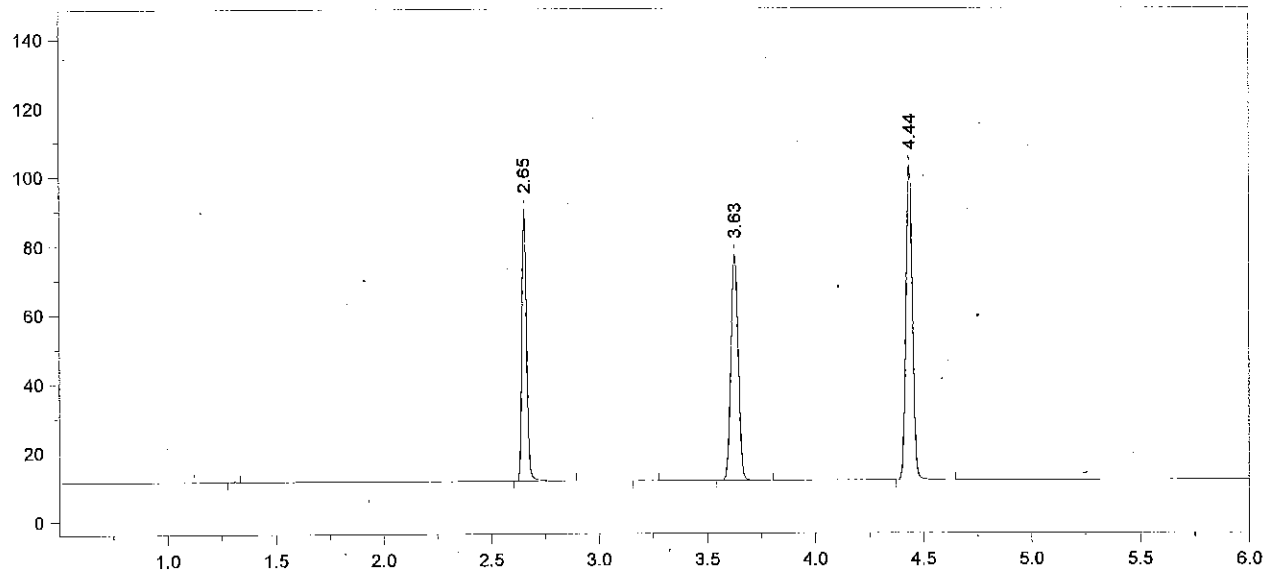


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 5:42:39 PM
Bound File Name = SIM01132014.0021.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 5:42:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	131306	0.1230	0.1004
4	3.63	t-Butanol	148262	0.9765	0.7970
5	4.43	n-Propanol	203073	1.0000	0.8162

14-01-100 64 [illegible]

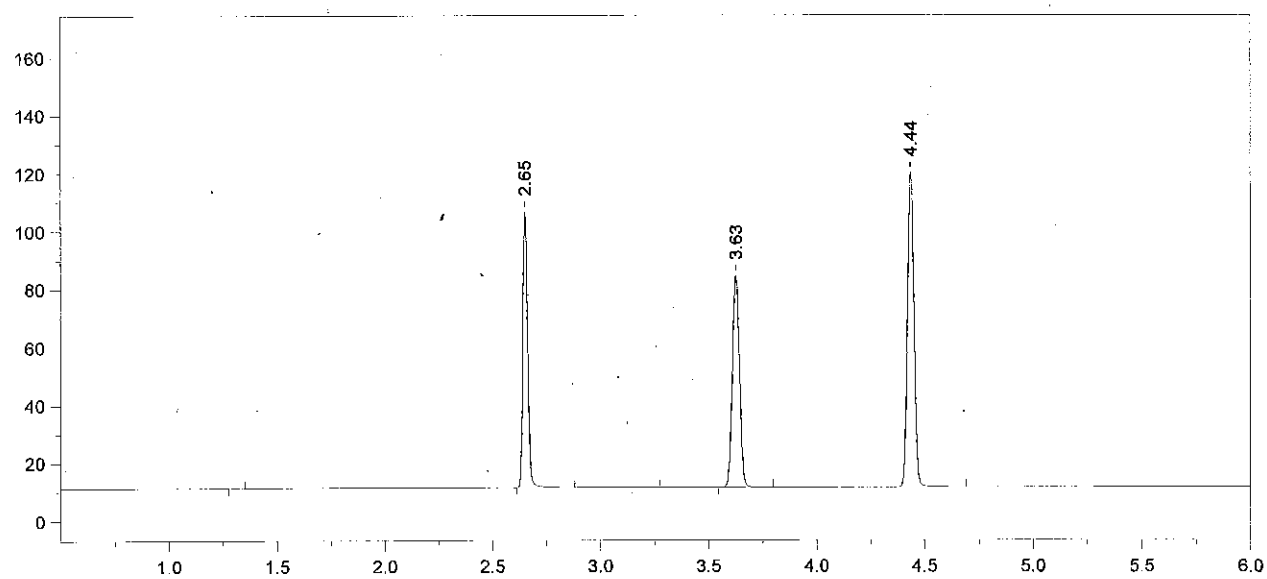


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 6:00:06 PM
Bound File Name = SIM01132014.0022.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 5:59:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	122411	0.1199	0.0979
4	3.63	t-Butanol	151860	1.0457	0.8535
5	4.44	n-Propanol	194234	1.0000	0.8162

14-01-100 65 AUB

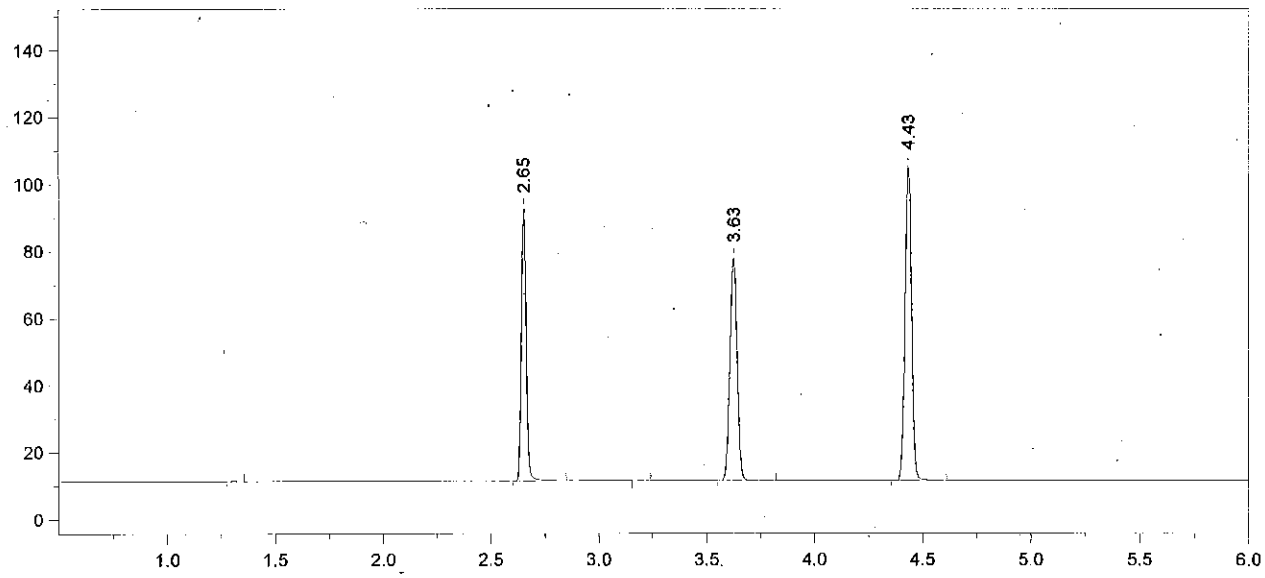


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 6:13:16 PM
Bound File Name = SIM01132014.0023.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 6:13:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	147017	0.1213	0.0990
4	3.63	t-Butanol	169591	0.9838	0.8030
5	4.44	n-Propanol	230557	1.0000	0.8162

14-01-100 66 [illegible]

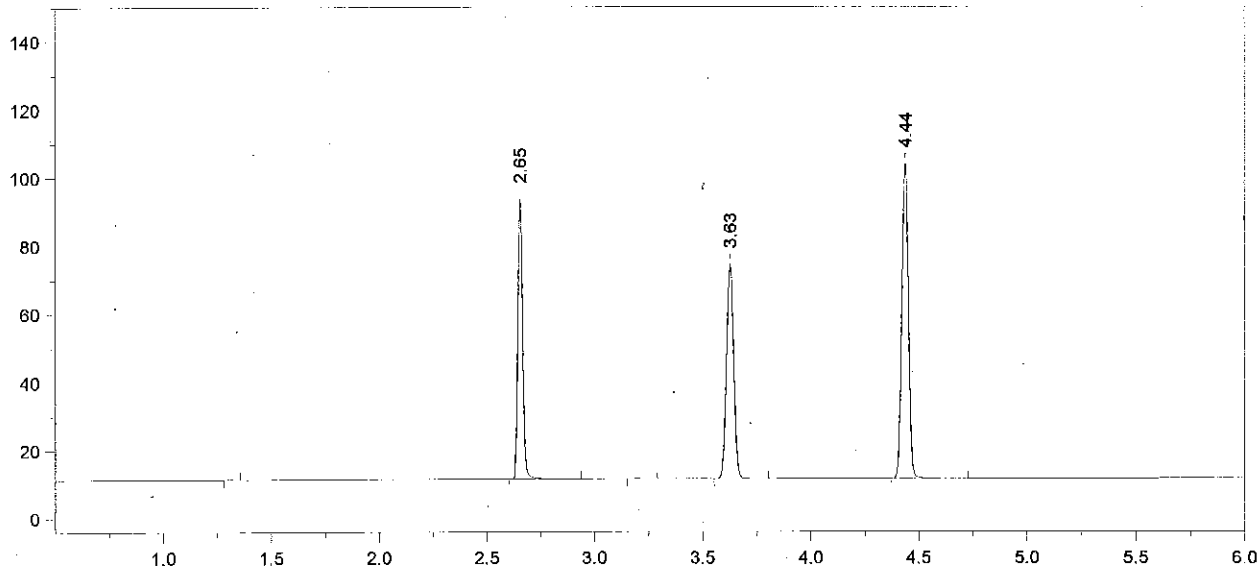


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014 Today's Time = 6:31:33 PM
Bound File Name = SIM01132014.0024.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 6:31:25 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	126018	0.1201	0.0980
4	3.63	t-Butanol	154119	1.0319	0.8423
5	4.43	n-Propanol	199746	1.0000	0.8162

14-01-100 67 AB

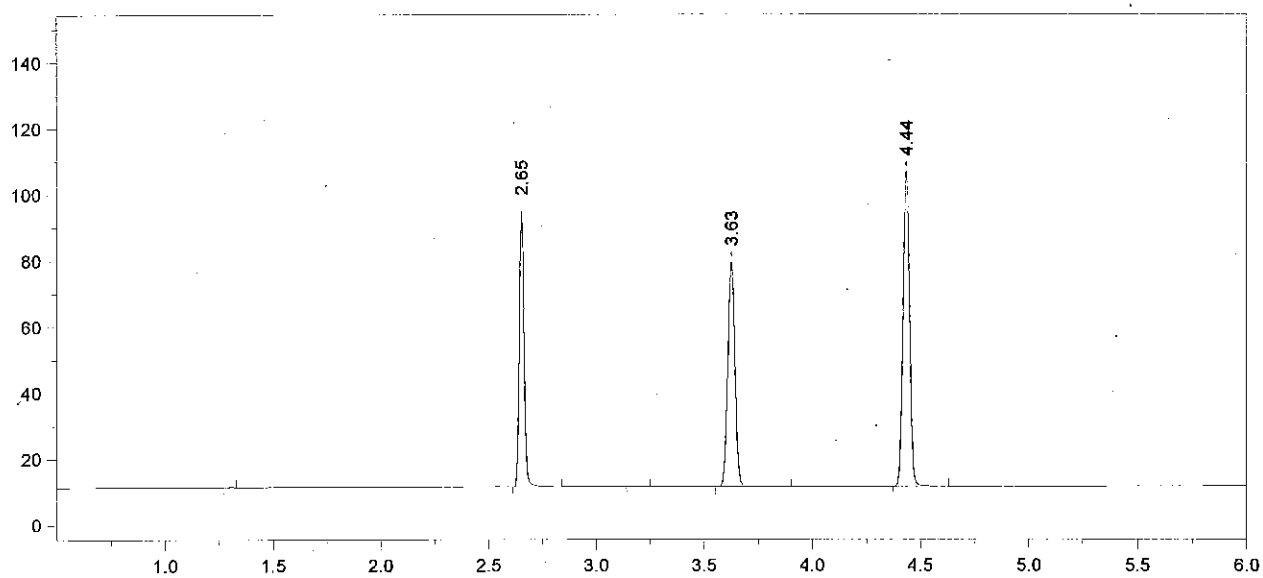


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 6:45:26 PM
Bound File Name = SIM01132014.0025.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 6:45:18 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	127770	0.1232	0.1006
4	3.63	t-Butanol	145551	0.9866	0.8052
5	4.44	n-Propanol	197321	1.0000	0.8162

14-01-100 68 ALB

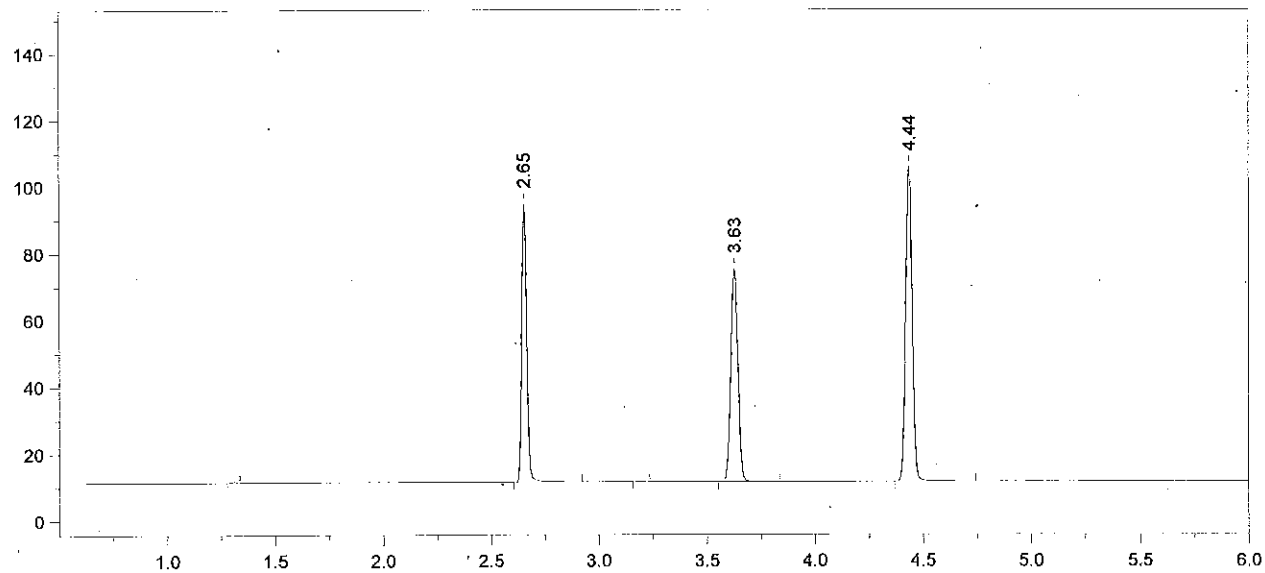


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 7:02:56 PM
Bound File Name = SIM01132014.0026.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 7:02:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128414	0.1202	0.0981
4	3.63	t-Butanol	157338	1.0353	0.8450
5	4.44	n-Propanol	203251	1.0000	0.8162

14-01-100 69



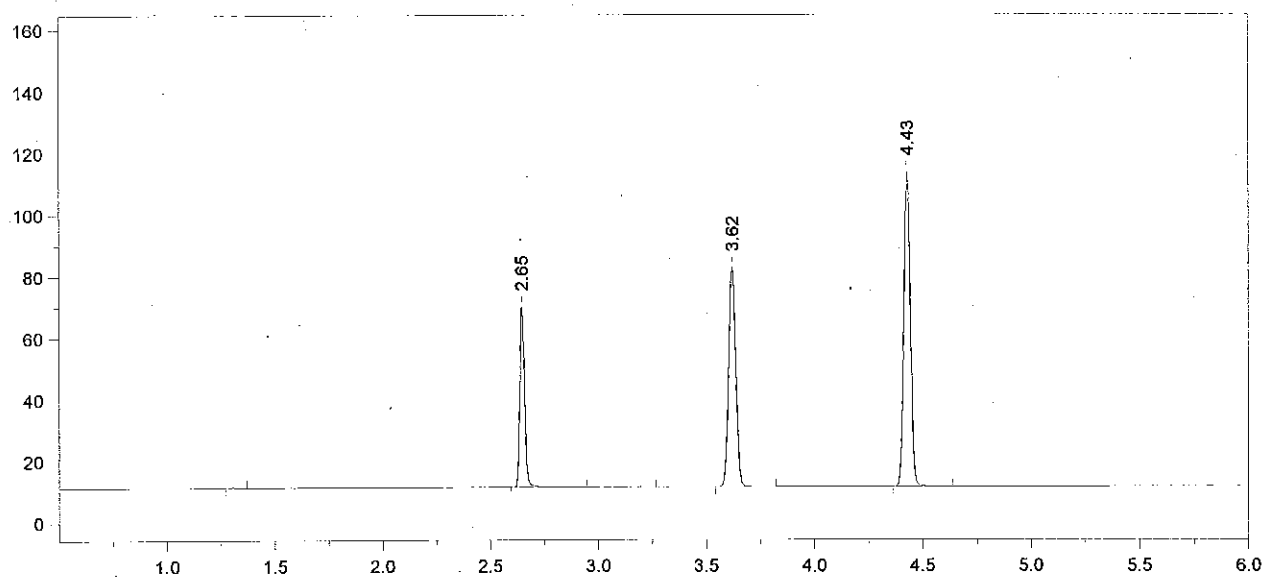
Format File Name = simsolnVFL.met.FMT

Today's Date = 1/13/2014
Today's Time = 7:16:13 PM
Bound File Name = SIM01132014.0027.RAW
Sample Name = 0.1 ALB
Date Taken = 1/13/2014 7:16:07 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	129396	0.1224	0.0999
4	3.63	t-Butanol	147735	0.9825	0.8019
5	4.44	n-Propanol	201103	1.0000	0.8162

14-01-100 70

Chrom Perfect Chromatogram Report

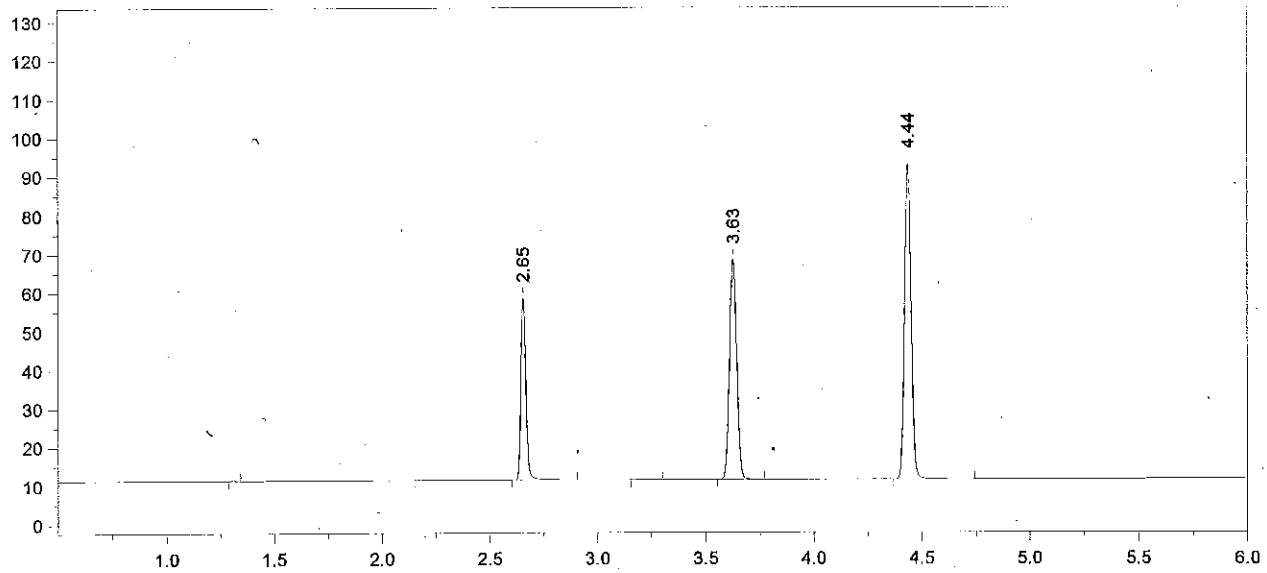


Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 7:32:41 PM
Bound File Name = SIM01132014.0028.RAW
Sample Name = CCS
Date Taken = 1/13/2014 7:32:36 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	92287	0.0810*
4	3.62	t-Butanol	165668	1.0224
5	4.43	n-Propanol	216719	1.0000

14-01-100 71 AG



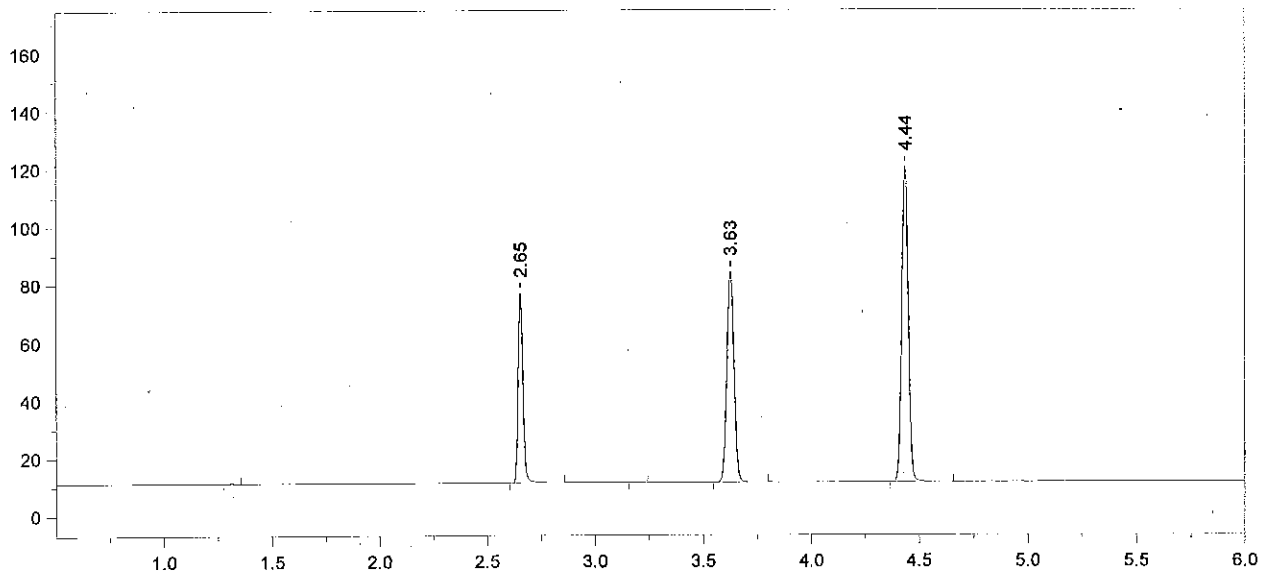
Format File Name = AlcoholVFL.FMT

Today's Date = 1/13/2014
Today's Time = 7:48:06 PM
Bound File Name = SIM01132014.0029.RAW
Sample Name = CCS
Date Taken = 1/13/2014 7:47:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74728	0.0819 *
4	3.63	t-Butanol	132152	1.0186
5	4.44	n-Propanol	173526	1.0000

Avg #28 + #29 = 0.081
RM 1/14/14

14-01-100 72 AB



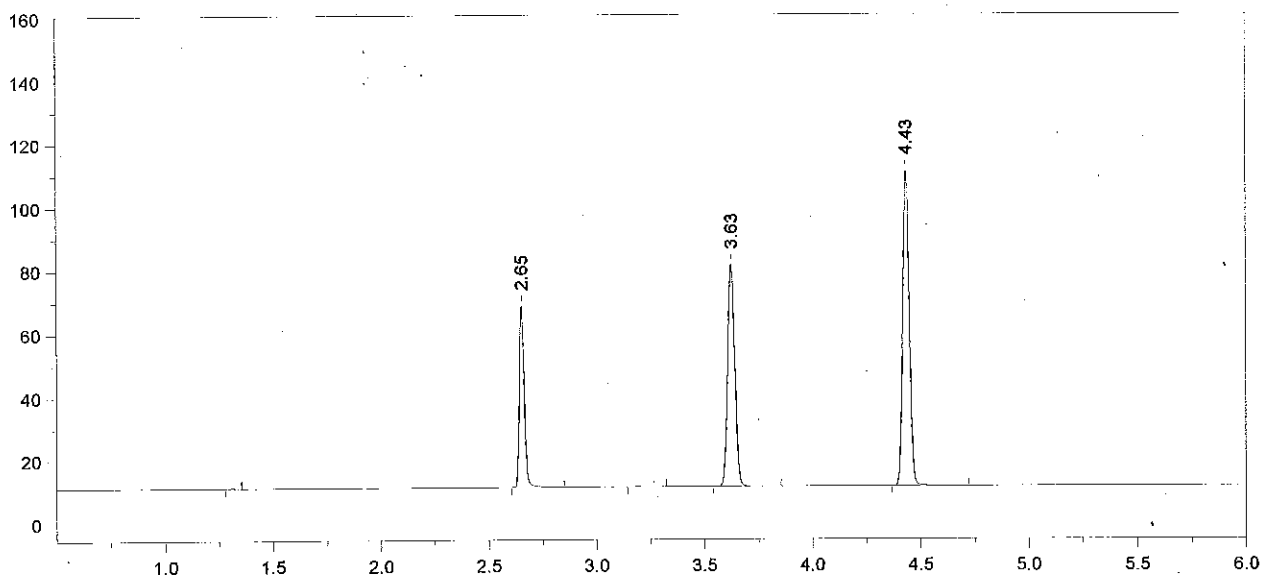
Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 9:12:29 AM
Bound File Name = SIM01132014.0030.RAW
Sample Name = CCS
Date Taken = 1/14/2014 9:12:25 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	102509	0.0839 *
4	3.63	t-Butanol	168560	0.9702
5	4.44	n-Propanol	232365	1.0000

14-01-100 73 [illegible]

Chrom Perfect Chromatogram Report



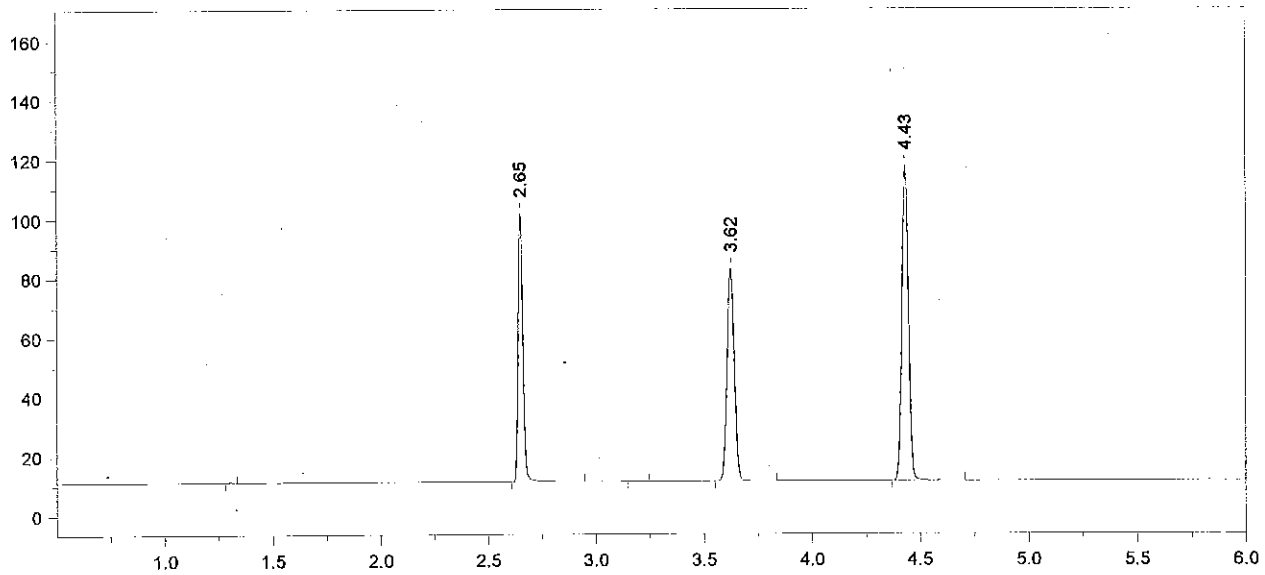
Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 9:29:53 AM
Bound File Name = SIM01132014.0031.RAW
Sample Name = CCS
Date Taken = 1/14/2014 9:29:43 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	89002	0.0798 *
4	3.63	t-Butanol	162291	1.0226
5	4.43	n-Propanol	212262	1.0000

Avg #30 + #31 = 0.082
RZM 1/14/14

14-01-100 74 [illegible]

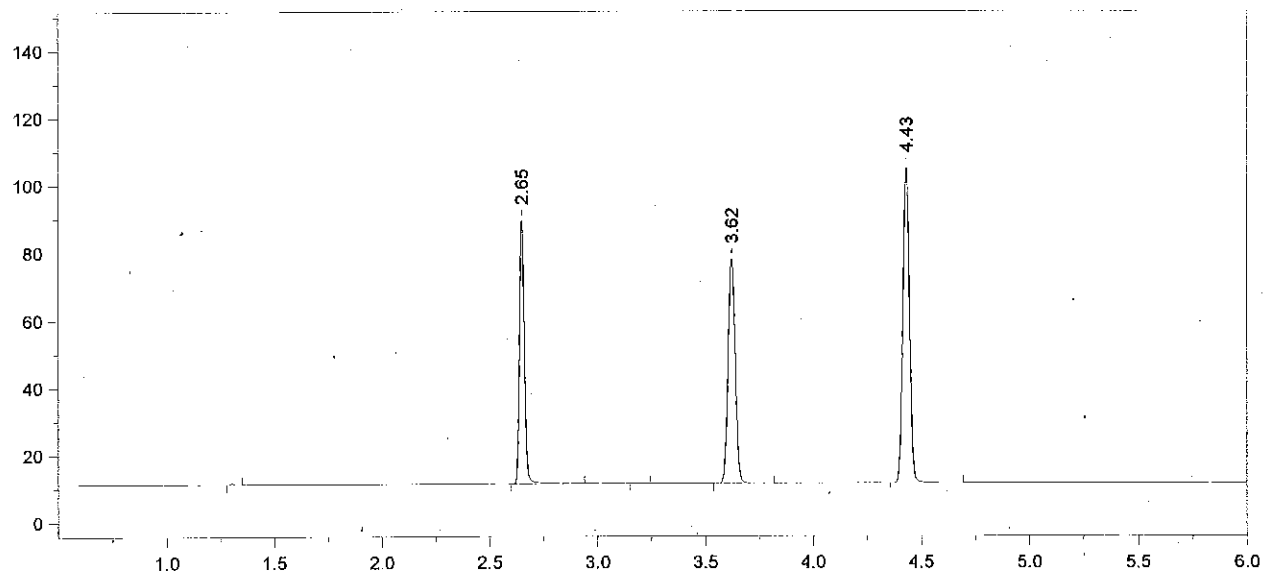


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 9:42:58 AM
Bound File Name = SIM01132014.0032.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 9:42:54 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	141125	0.1194	0.0975
4	3.62	t-Butanol	166317	0.9892	0.8074
5	4.43	n-Propanol	224866	1.0000	0.8162

14-01-100 75

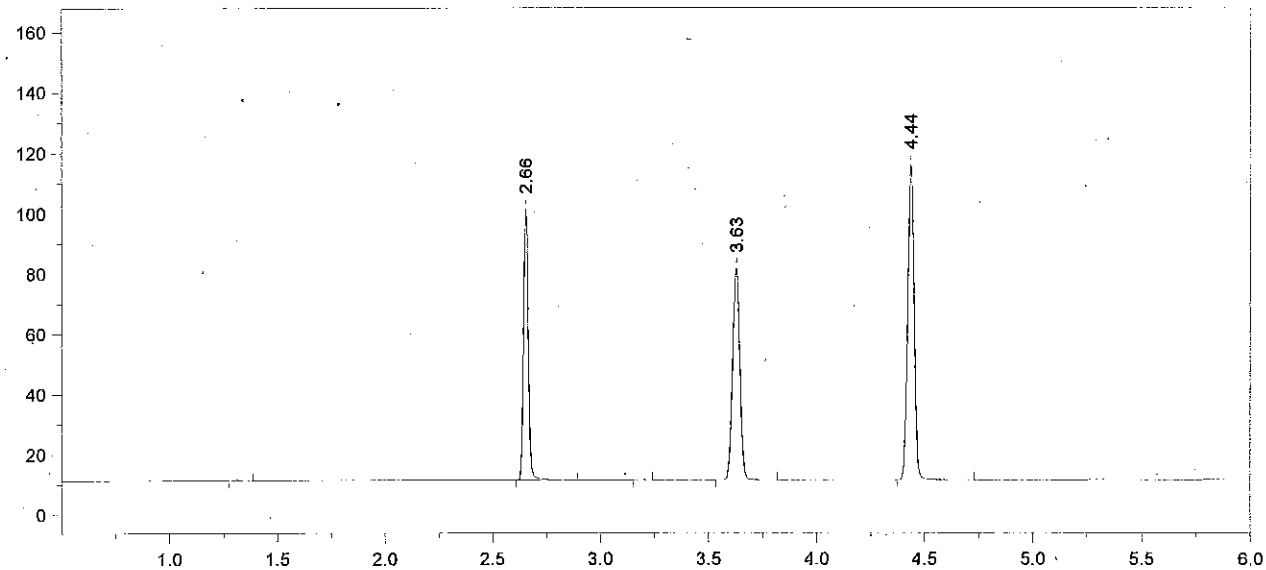


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 10:01:16 AM
Bound File Name = SIM01132014.0033.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 10:01:11 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123272	0.1180	0.0963
4	3.62	t-Butanol	154632	1.0404	0.8492
5	4.43	n-Propanol	198780	1.0000	0.8162

14-01-100 76 AeB

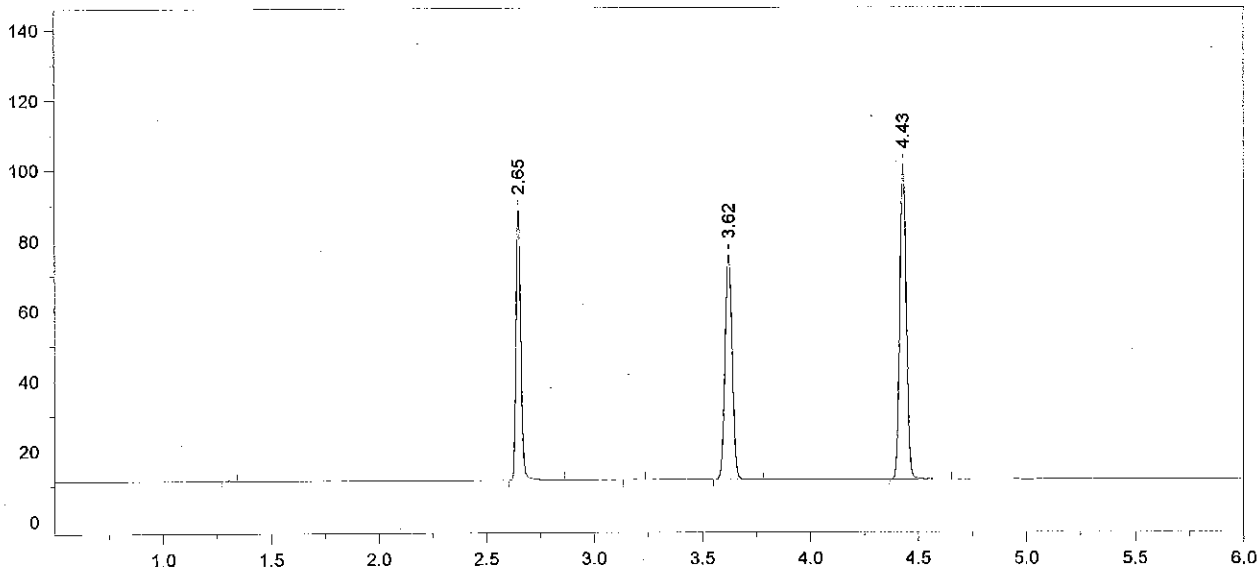


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 10:15:13 AM
Bound File Name = SIM01132014.0034.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 10:15:09 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	140349	0.1205	0.0983
4	3.63	t-Butanol	162879	0.9828	0.8022
5	4.44	n-Propanol	221652	1.0000	0.8162

14-01-100 77 AB



Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 10:32:42 AM
Bound File Name = SIM01132014.0035.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 10:32:38 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	119278	0.1187	0.0969
4	3.62	t-Butanol	148423	1.0383	0.8475
5	4.43	n-Propanol	191185	1.0000	0.8162

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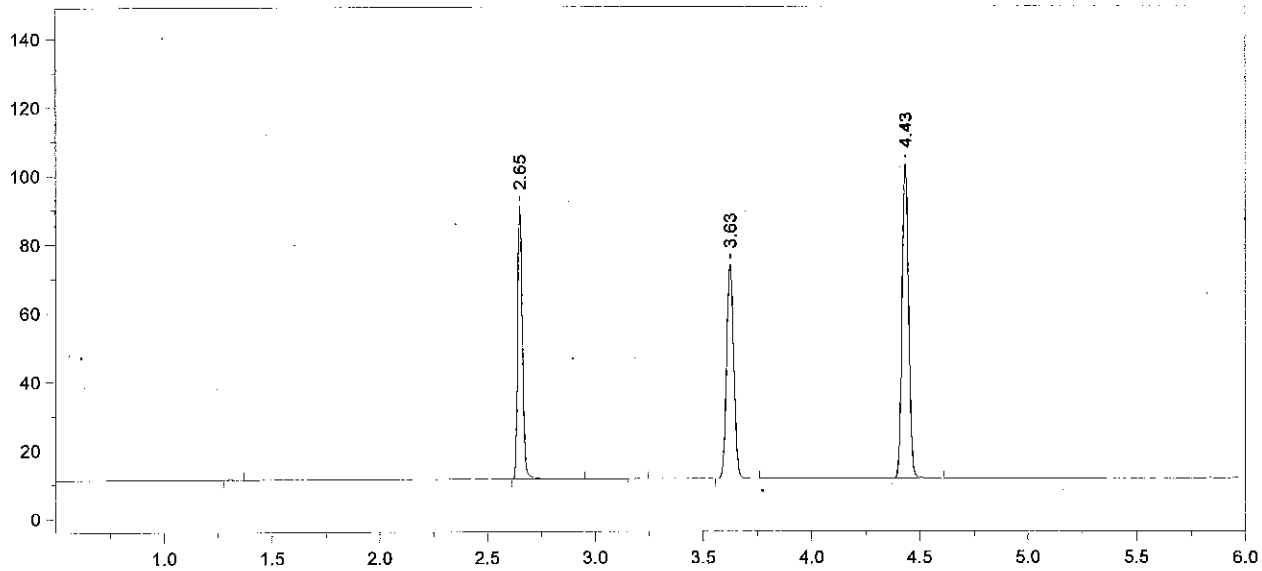
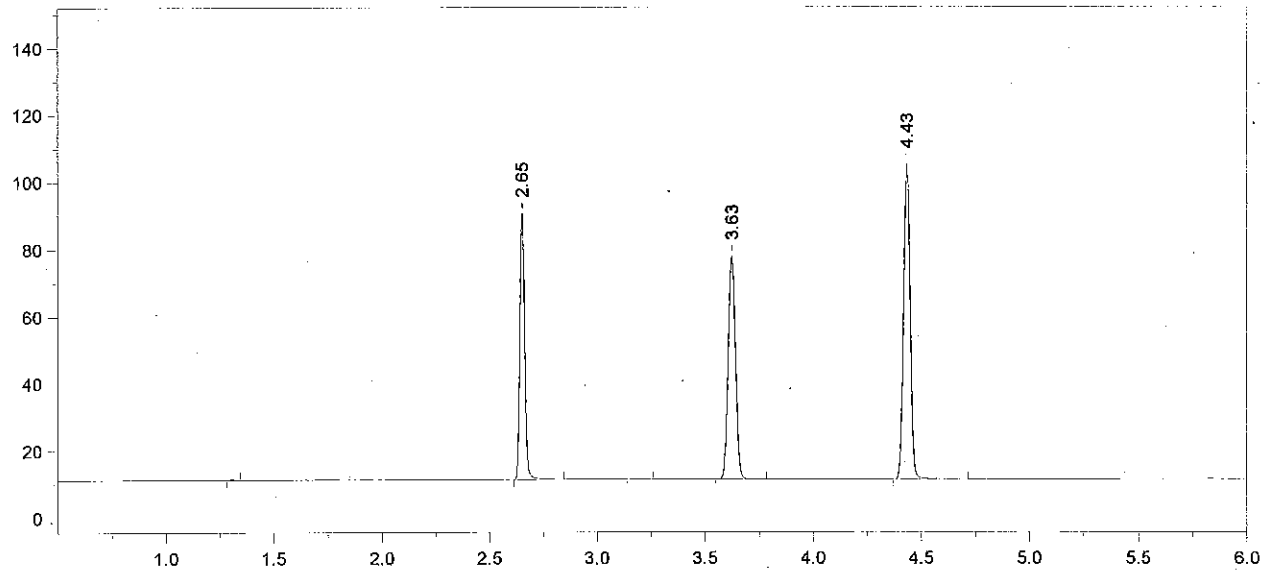


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 10:46:30 AM
Bound File Name = SIM01132014.0036.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 10:46:20 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	124384	0.1210	0.0987
4	3.63	t-Butanol	144446	0.9874	0.8059
5	4.43	n-Propanol	195646	1.0000	0.8162

14-01-100 79 [illegible]



Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 11:04:10 AM
Bound File Name = SIM01132014.0037.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 11:04:04 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123538	0.1177	0.0961
4	3.63	t-Butanol	154790	1.0367	0.8462
5	4.43	n-Propanol	199694	1.0000	0.8162

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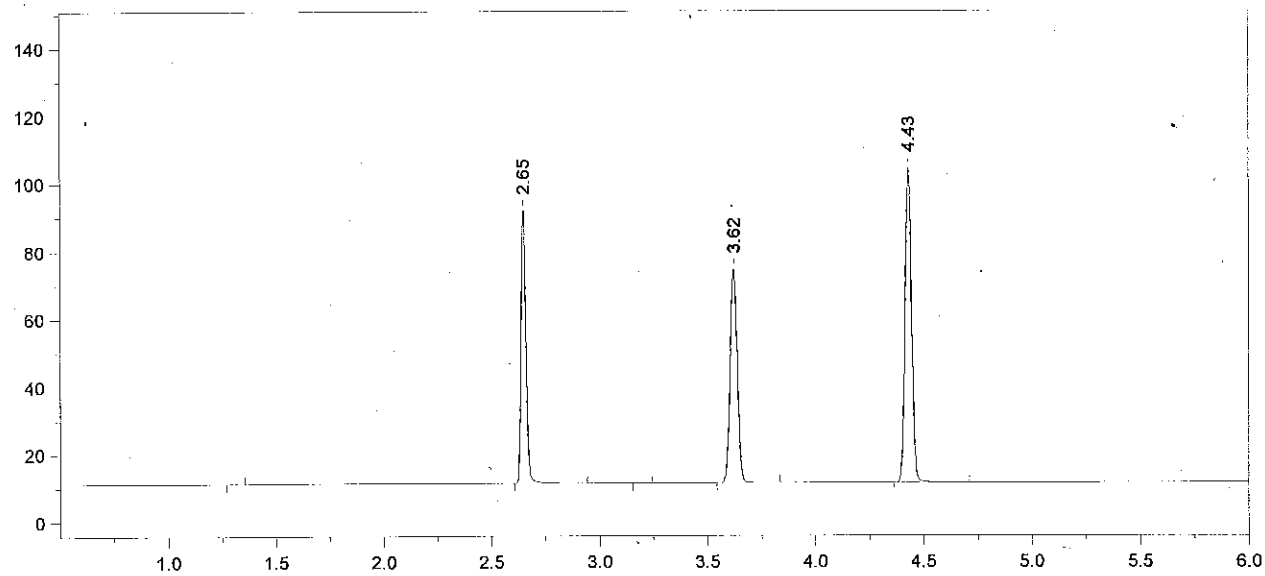


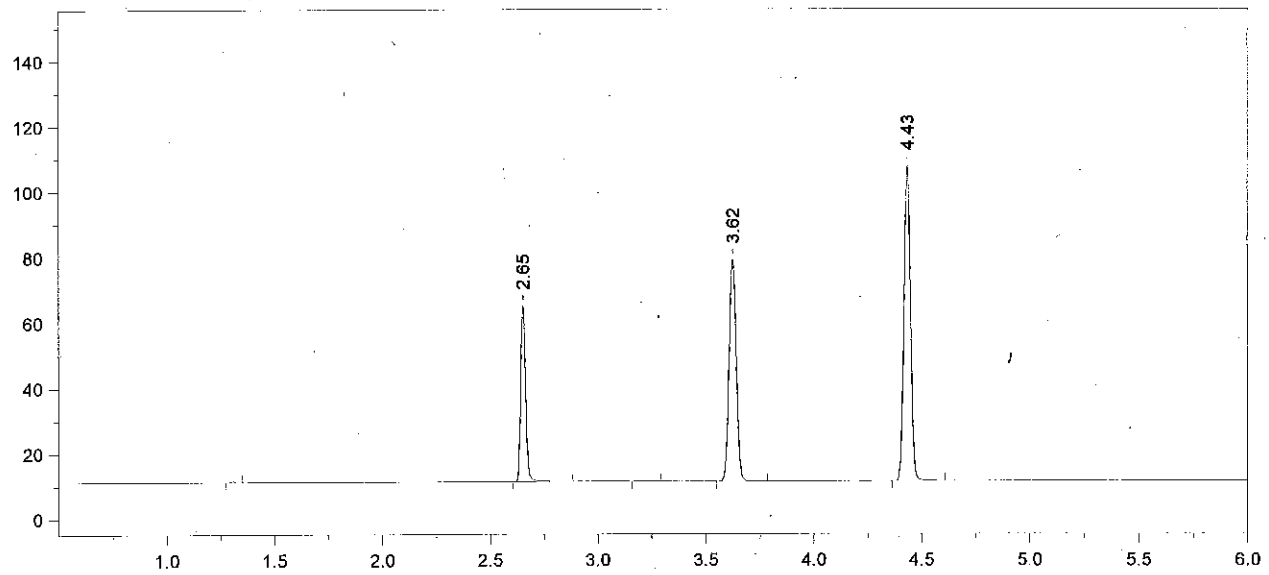
Format File Name = simsolnVFL.met.FMT

Today's Date = 1/14/2014
Today's Time = 11:17:27 AM
Bound File Name = SIM01132014.0038.RAW
Sample Name = 0.1 RLM
Date Taken = 1/14/2014 11:17:22 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	126009	0.1211	0.0989
4	3.62	t-Butanol	146281	0.9881	0.8065
5	4.43	n-Propanol	197991	1.0000	0.8162

14-01-100 81 AEB

Chrom Perfect Chromatogram Report



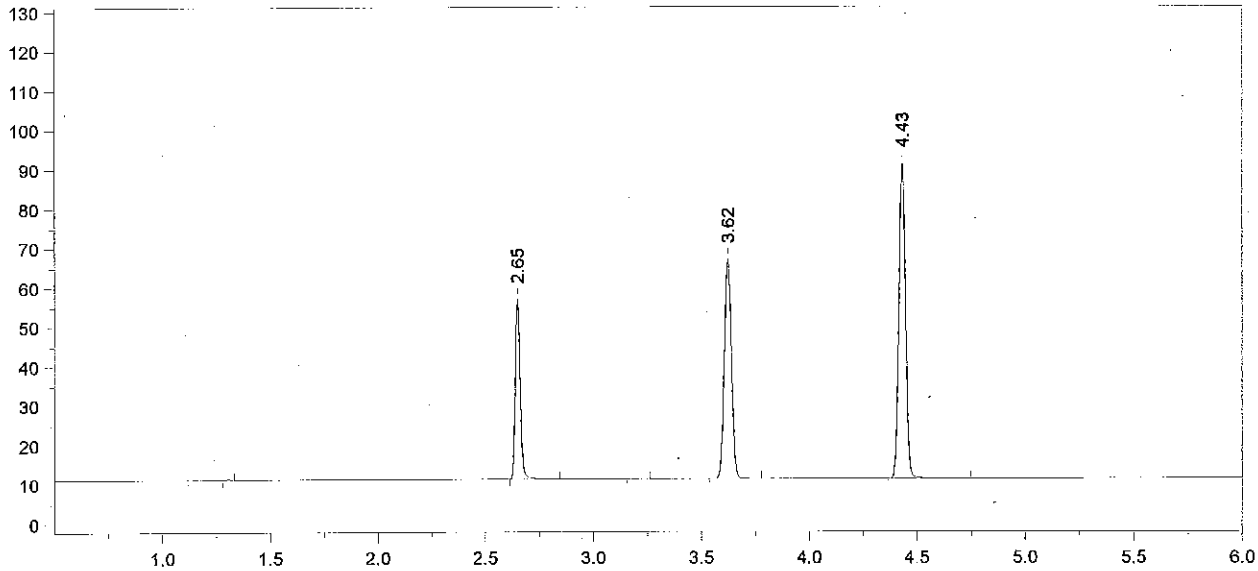
Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 11:35:37 AM
Bound File Name = SIM01132014.0039.RAW
Sample Name = CCS
Date Taken = 1/14/2014 11:35:29 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84999	0.0794 *
4	3.62	t-Butanol	157367	1.0337
5	4.43	n-Propanol	203616	1.0000

14-01-100 82 AeB

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 1/14/2014
Today's Time = 11:49:16 AM
Bound File Name = SIM01132014.0040.RAW
Sample Name = CCS
Date Taken = 1/14/2014 11:49:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01132014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	71617	0.0801*
4	3.62	t-Butanol	129032	1.0144
5	4.43	n-Propanol	170125	1.0000

Avg #39 + #40 = 0.080
RKM 1/14/14

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