VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION REVIEW CHECKLIST

SOLUTION TYPE AND VOLUME: 0.08 Certification Solution 5L

LOT NUMBER#: 15-04-080 **ANALYST:** AB

TECHNICAL REVIEWER: [illegible] **DATE:** 1/28/15

- ☑ QC done and complete?
- ☑ Pertinent standard lot numbers listed?
- ☑ Data package 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, inclusive?
- ☑ Statistical means of the continuing calibration check sample duplicate analysis all within +/- 10% of the known value?
- ☑ Calculated average within acceptable range of the target concentration for specific solution type?
- ☑ All individual readings within 3 standard deviations of the average for each run and for the total average?
- ☑ RPD <10%?

Comments:

ADMINISTRATIVE REVIEWER: [illegible] **DATE:** 1/29/2015

- ☒ Are all pages numbered and initialed on the Examination Documents?
- ☒ Solution lot number written on all pages?
- ☒ Is the Reagent Preparation Log filled out properly?
- ☒ Is the Certificate of Analysis filled out properly?
- ☒ Has a label sheet been created, and is it correct?

Comments:

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY

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FAX: 802-241-5557
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Certificate of Analysis of DataMaster Certification Solution

On 1/21/2015, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 15-04-080 and an expiration date of 1/21/2016.

On 1/23/2015 and 1/27/2015, the solution was analyzed against calibration VFL01232015 and SIM01272015. 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 0.080 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Waterbury, Vermont this 29th day of January, 2015.

Amanda Bolduc

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.08 Certification Solution 5L
Lot # 15-04-080
Prepared 1/21/15 by RLM
Exp 1/21/16

ALB CAL VFL01232015
ALB/RLM Vials
Analyzed on 1/23/15

0.0801	ALB
0.0814	
0.0797	
0.0812	
0.0790	
0.0815	
0.0799	
0.0799	RLM
0.0788	
0.0790	
0.0782	
0.0793	
0.0776	
0.0791	

Ave. =	0.0796
Std Dev. =	0.0012
Min. =	0.0776
Max. =	0.0815

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN021111-03
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN011712-02
Cal Std D Lot #	FN032712-01
Cal Std E Lot #	FN012712-01
Int Std Lot #	IS-01132015
TMX Lot #	TMX-08112014
Blank Lot #	BL-01162051

ALB CAL SIM01272015
ALB/RLM Vials
Analyzed on 1/27/15

0.0806	ALB
0.0816	
0.0799	
0.0825	
0.0798	
0.0809	
0.0780	
0.0806	RLM
0.0787	
0.0809	
0.0791	
0.0804	
0.0787	
0.0807	

Ave. =	0.0802
Std Dev. =	0.0012
Min. =	0.0780
Max. =	0.0825

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN021111-03
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN011712-02
Cal Std D Lot #	FN032712-01
Cal Std E Lot #	FN012712-01
Int Std Lot #	IS-01132015
TMX Lot #	TMX-08112014
Blank Lot #	BL-01162015

1/28/15 AB

Total Values from Both Runs

Average	**Mean**
0.0801	0.0776
0.0814	0.0780
0.0797	0.0782
0.0812	0.0787
0.0790	
0.0815	0.0788
0.0799	0.0790
0.0799	
0.0788	0.0791
0.0790	
0.0782	0.0793
0.0793	0.0797
0.0776	0.0798
0.0791	0.0799
0.0806	
0.0816	
0.0799	0.0801
0.0825	0.0804
0.0798	0.0806
0.0809	
0.0780	0.0807
0.0806	0.0809
0.0787	
0.0809	0.0812
0.0791	0.0814
0.0804	0.0815
0.0787	0.0816
0.0807	0.0825

Ave. =	0.0799
Avg Std Dev. =	0.0012
Mean =	0.0800
Mean Std Dev. =	0.0013
Min. =	0.0776
Max =	0.0825
RPD =	6.13%

File Name = C:\Alcohol Data\SIM01232015\SIM01232015.SEQ
Version = 1
File Date = 1/23/2015 2:22:05 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM01232015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM01232015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM01232015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	SIM01232015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	SIM01232015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	SIM01232015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	SIM01232015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	SIM01232015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM01232015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM01232015.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM01232015.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM01232015.0012.raw	simsoln.met	0.08 ALB	1.00	1.00
13	SIM01232015.0013.raw	simsoln.met	0.08 ALB	1.00	1.00
14	SIM01232015.0014.raw	simsoln.met	0.08 ALB	1.00	1.00
15	SIM01232015.0015.raw	simsoln.met	0.08 ALB	1.00	1.00
16	SIM01232015.0016.raw	simsoln.met	0.08 ALB	1.00	1.00
17	SIM01232015.0017.raw	simsoln.met	0.08 ALB	1.00	1.00
18	SIM01232015.0018.raw	simsoln.met	0.08 ALB	1.00	1.00
19	SIM01232015.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM01232015.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM01232015.0021.raw	simsoln.met	0.08 RLM	1.00	1.00
22	SIM01232015.0022.raw	simsoln.met	0.08 RLM	1.00	1.00
23	SIM01232015.0023.raw	simsoln.met	0.08 RLM	1.00	1.00
24	SIM01232015.0024.raw	simsoln.met	0.08 RLM	1.00	1.00
25	SIM01232015.0025.raw	simsoln.met	0.08 RLM	1.00	1.00
26	SIM01232015.0026.raw	simsoln.met	0.08 RLM	1.00	1.00
27	SIM01232015.0027.raw	simsoln.met	0.08 RLM	1.00	1.00
28	SIM01232015.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM01232015.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM01232015.0030.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
31	SIM01232015.0031.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
32	SIM01232015.0032.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
33	SIM01232015.0033.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
34	SIM01232015.0034.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
35	SIM01232015.0035.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
36	SIM01232015.0036.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
37	SIM01232015.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM01232015.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM01232015.0039.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
40	SIM01232015.0040.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
41	SIM01232015.0041.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
42	SIM01232015.0042.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
43	SIM01232015.0043.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
44	SIM01232015.0044.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
45	SIM01232015.0045.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
46	SIM01232015.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM01232015.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	SIM01232015.0048.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
49	SIM01232015.0049.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
50	SIM01232015.0050.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
51	SIM01232015.0051.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
52	SIM01232015.0052.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
53	SIM01232015.0053.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
54	SIM01232015.0054.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
55	SIM01232015.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	SIM01232015.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	SIM01232015.0057.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
58	SIM01232015.0058.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
59	SIM01232015.0059.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
60	SIM01232015.0060.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
61	SIM01232015.0061.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
62	SIM01232015.0062.raw	simsoln.met	0.10 CAL RLM	1.00	1.00

other SIM concentrations not included 1/20/15 AB

15-04-080 2 AB

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM01232015.0063.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
64	SIM01232015.0064.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
65	SIM01232015.0065.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

not included 1/26/15 AS

Lot #'s

AQ QC Cerilliant FN021111-03

EtOH Standards all Cerilliant
A FN0113140I
B FN092710-01
C FN011712-02
D FN032712-01
E FN012712-01

Timing Mix TMX-08112014
IS IS-01132015
Blank BL-01162015

1/26/15 AS

15-04-080 3 AS

File Name: C:\Methods\VFL01232015.CAL
Version: 7

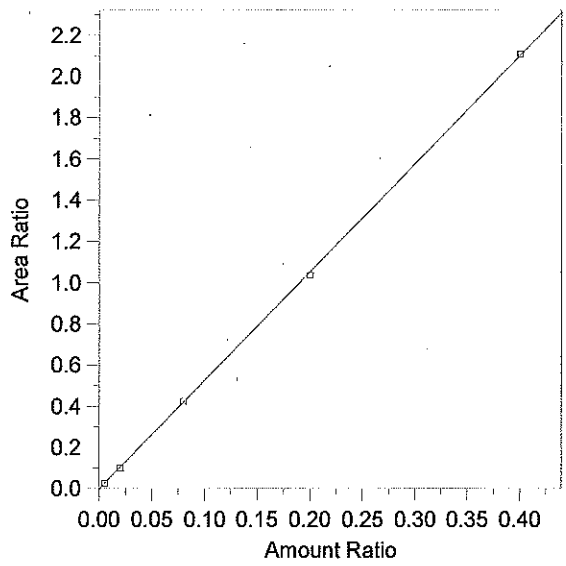
Creator:
Description:
Reason for change:

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: 2.654 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

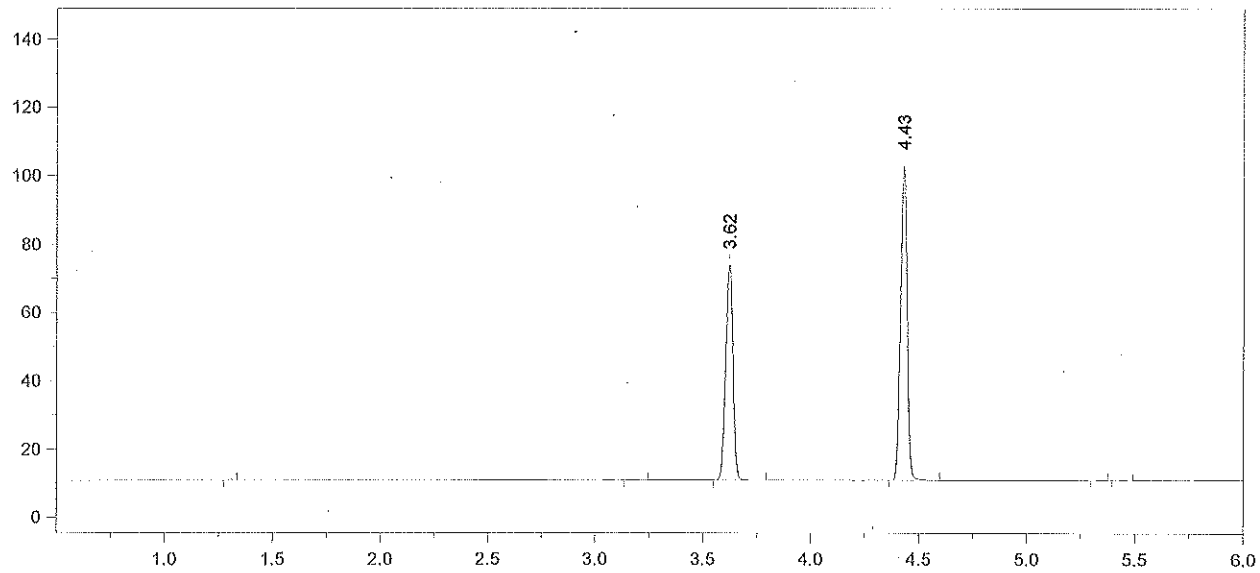
Single peak quantification by area

$Y = 5.256145 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998803
Average error: 1.893%
Average CF: 5.225789
RSD: 2.636%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.0836)	(85146)	--	--	0.0836	85146	Manual	8/13/2014 9:33:12 AM
2	0.005	4905.308	981061.6	2.123	0.005	2.683861E-02	C:\Alcohol Data\SIM01232015\SIM01232015.0003.BND	1/23/2015 3:30:55 PM
3	0.02	18594.29	929714.5	-4.634	0.02	0.100251	C:\Alcohol Data\SIM01232015\SIM01232015.0004.BND	1/23/2015 3:49:00 PM
4	0.08	79401.8	992522.5	0.802	0.08	0.4238626	C:\Alcohol Data\SIM01232015\SIM01232015.0005.BND	1/23/2015 4:02:16 PM
5	0.2	191154.2	955771	-1.543	0.2	1.035014	C:\Alcohol Data\SIM01232015\SIM01232015.0006.BND	1/23/2015 4:20:19 PM
6	0.4	390995	977487.5	0.365	0.4	2.110128	C:\Alcohol Data\SIM01232015\SIM01232015.0007.BND	1/23/2015 4:34:33 PM

15-04-080 4 AB

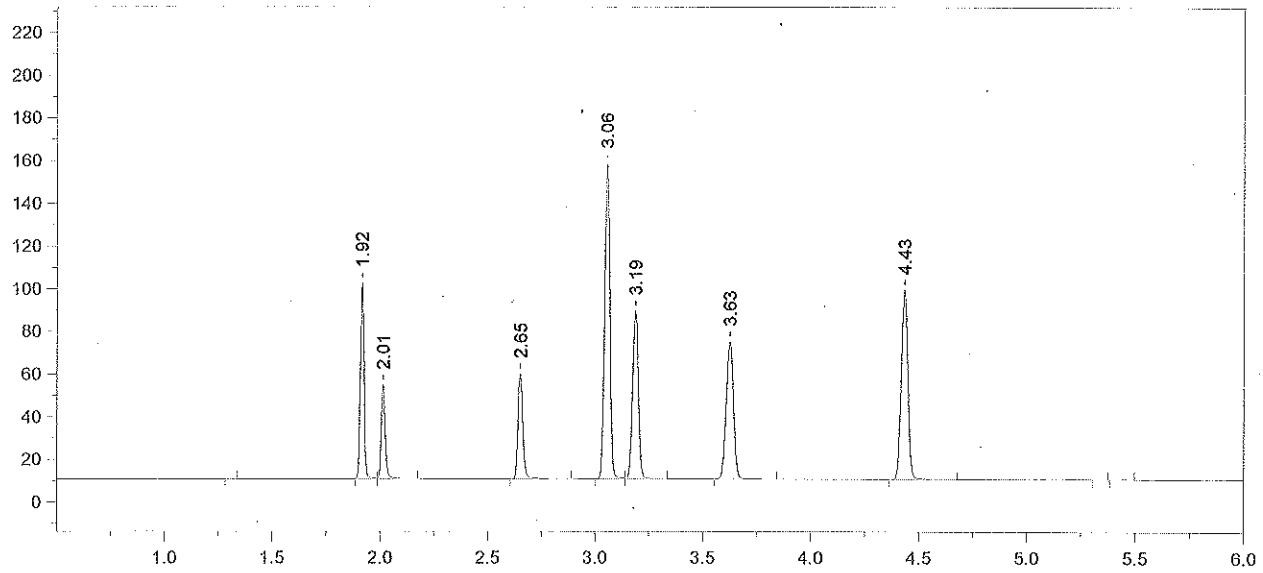


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:22 AM
Bound File Name = SIM01232015.0001.RAW
Sample Name = Blank
Date Taken = 1/23/2015 3:00:22 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.62	t-Butanol	146297	0.9649
4	4.43	n-Propanol	195938	1.0000

15-01-080 5 AS

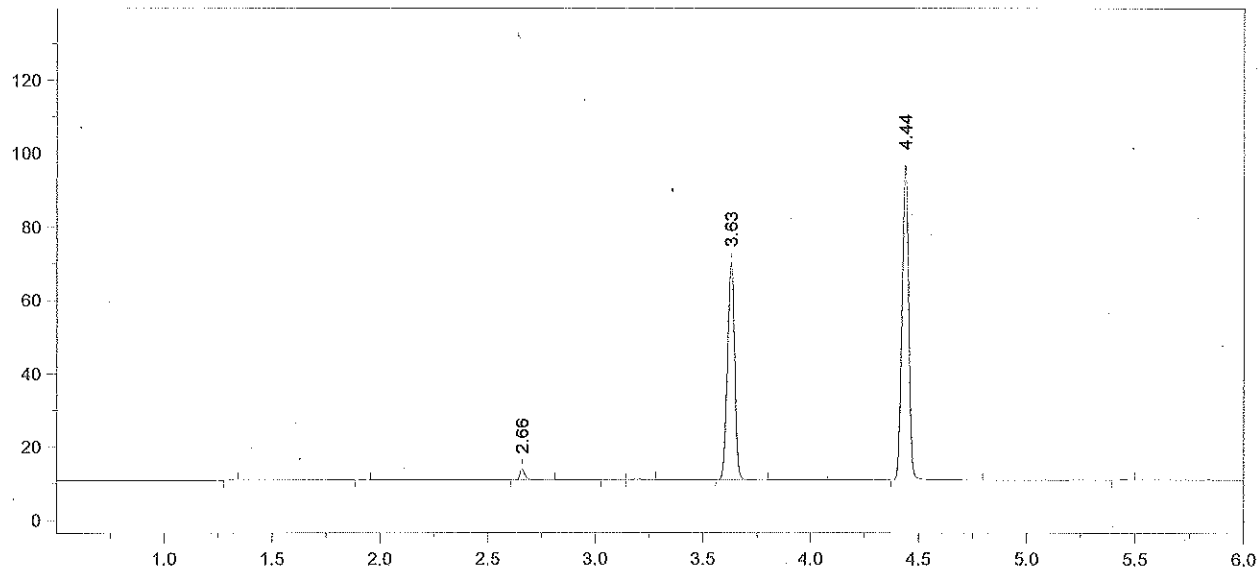


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:28 AM
Bound File Name = SIM01232015.0002.RAW
Sample Name = TMX
Date Taken = 1/23/2015 3:17:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	108687	0.0695
3	2.01	Methanol	55433	0.1232
4	2.65	Ethanol	77383	0.0780
5	3.06	Acetone	253704	0.0657
6	3.19	Isopropanol	148004	0.0848
7	3.63	t-Butanol	149269	1.0225
8	4.43	n-Propanol	188644	1.0000

15-04-080 6 AB



Format File Name = AlcoholVFL.FMT

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Today's Time = 7:24:35 AM
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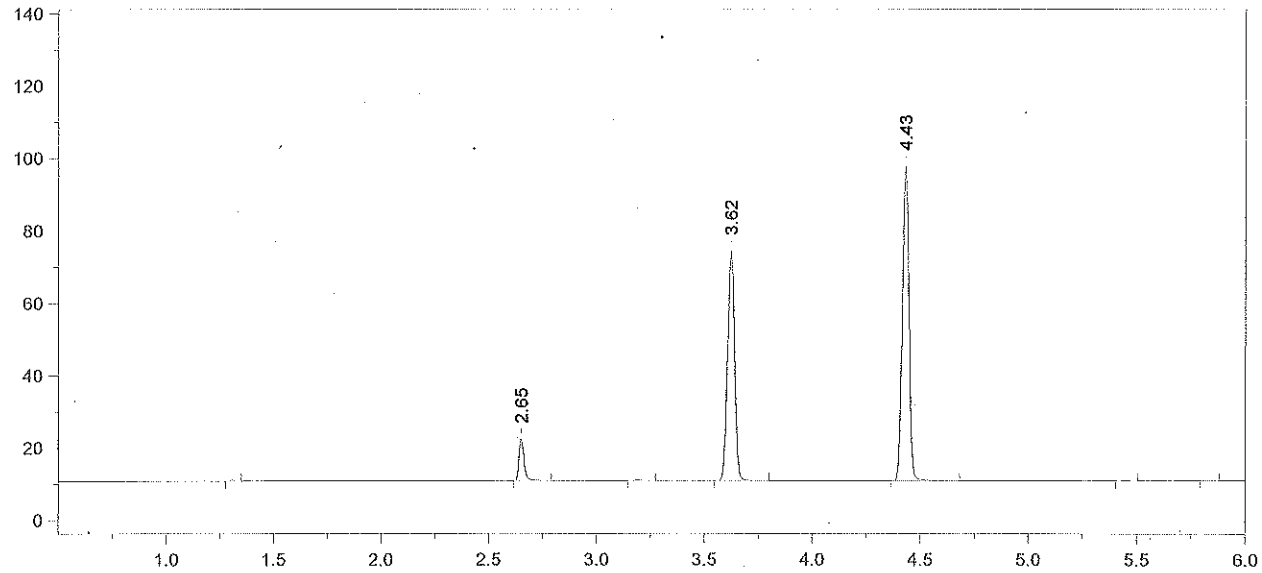
Sample Name = Std A
Date Taken = 1/23/2015 3:30:44 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	04905	0.0051
6	3.63	t-Butanol	137490	0.9721
7	4.44	n-Propanol	182771	1.0000

15-04-080 7 SB

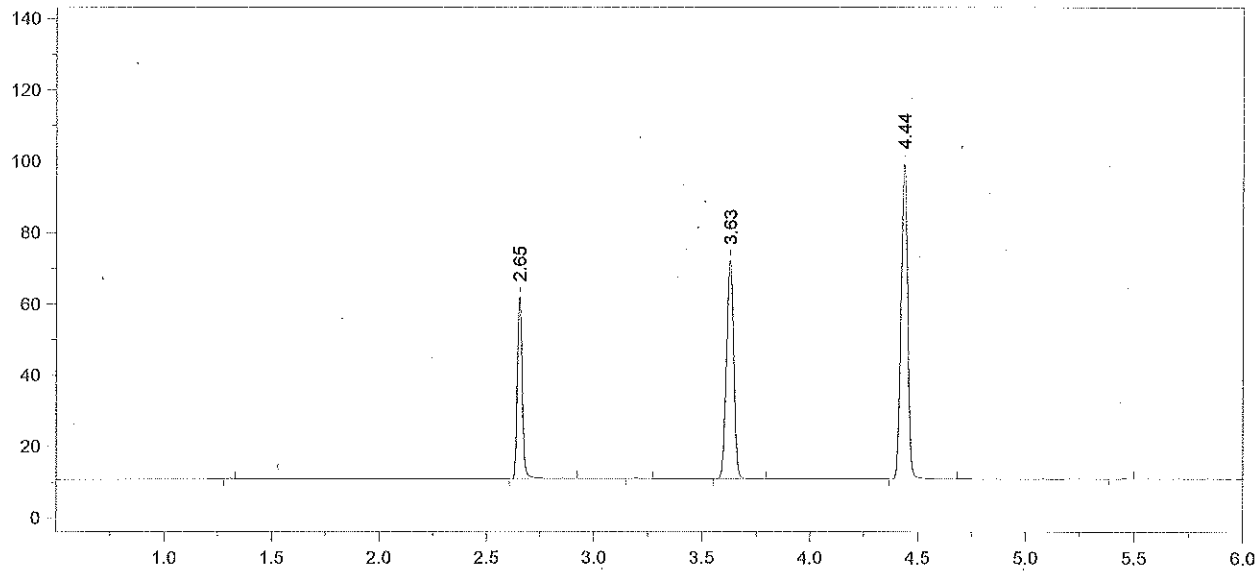


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:41 AM
Bound File Name = SIM01232015.0004.RAW
Sample Name = Std B
Date Taken = 1/23/2015 3:48:51 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	18594	0.0191
4	3.62	t-Butanol	147073	1.0247
5	4.43	n-Propanol	185477	1.0000

15-04-080 8 AB

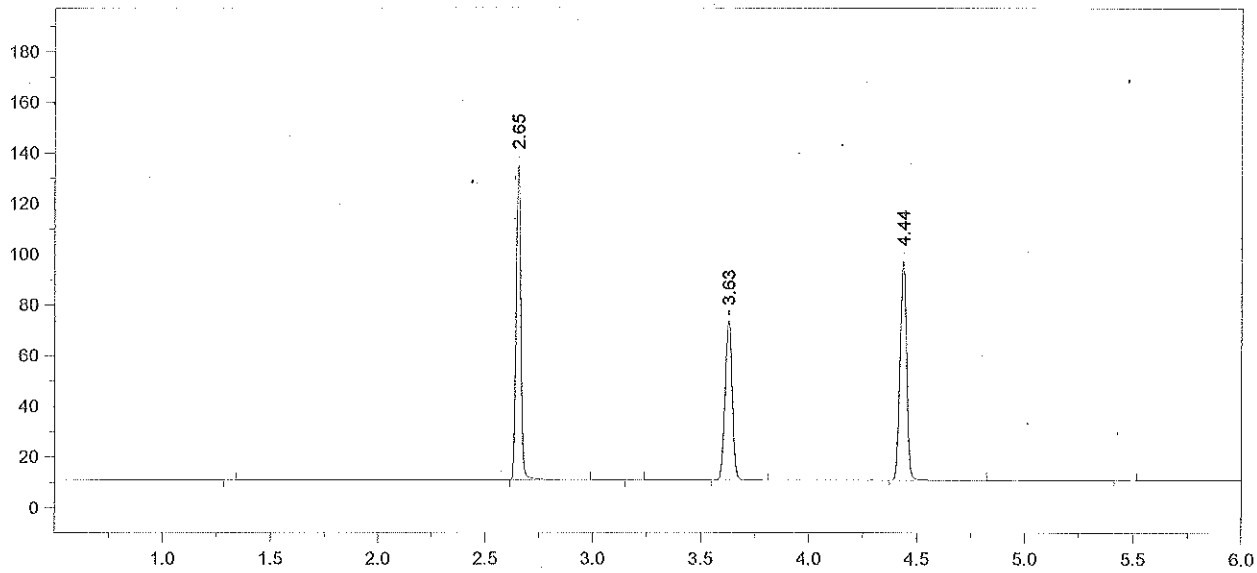


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:47 AM
Bound File Name = SIM01232015.0005.RAW
Sample Name = Std C
Date Taken = 1/23/2015 4:02:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79402	0.0806
4	3.63	t-Butanol	142196	0.9809
5	4.44	n-Propanol	187329	1.0000

15-04-080 9 AB

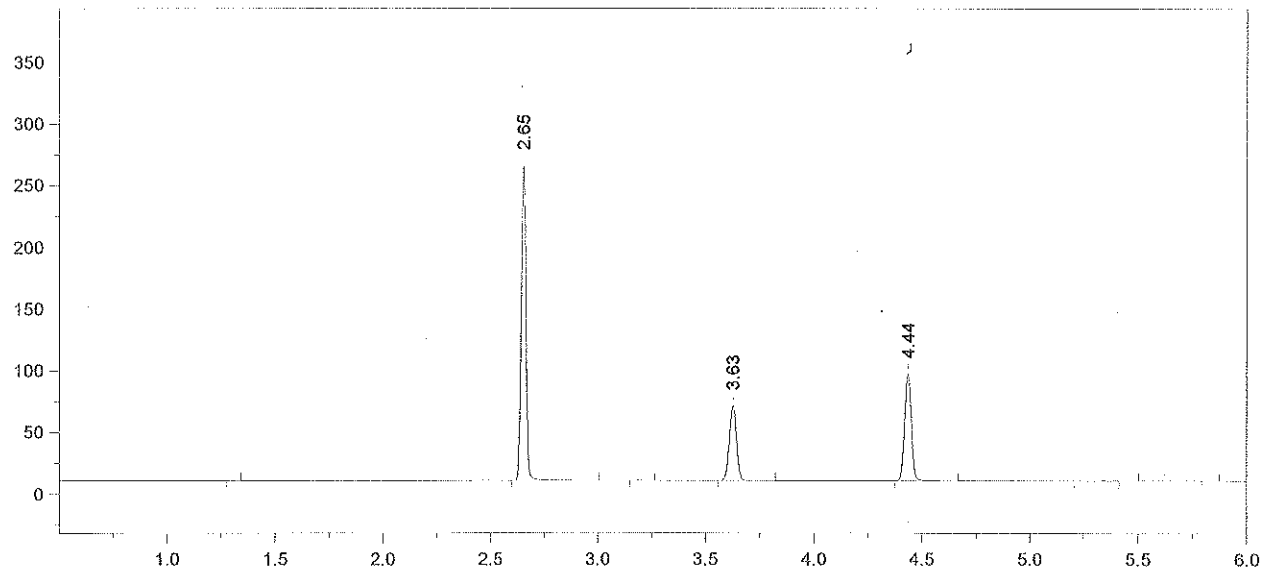


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:53 AM
Bound File Name = SIM01232015.0006.RAW
Sample Name = Std D
Date Taken = 1/23/2015 4:20:15 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	191154	0.1969
4	3.63	t-Butanol	146422	1.0245
5	4.44	n-Propanol	184688	1.0000

15-01-080 10 SB

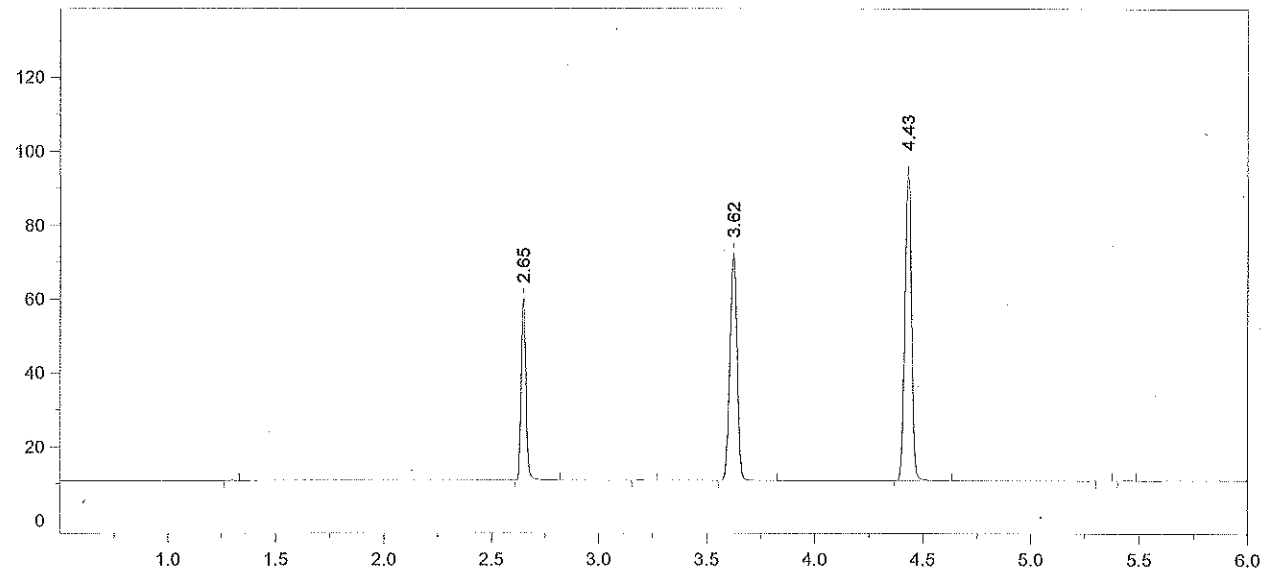


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:59 AM
Bound File Name = SIM01232015.0007.RAW
Sample Name = Std E
Date Taken = 1/23/2015 4:34:25 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	390995	0.4015
4	3.63	t-Butanol	139834	0.9752
5	4.44	n-Propanol	185294	1.0000

15-04-080 11 [illegible]



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Today's Time = 4:51:48 PM
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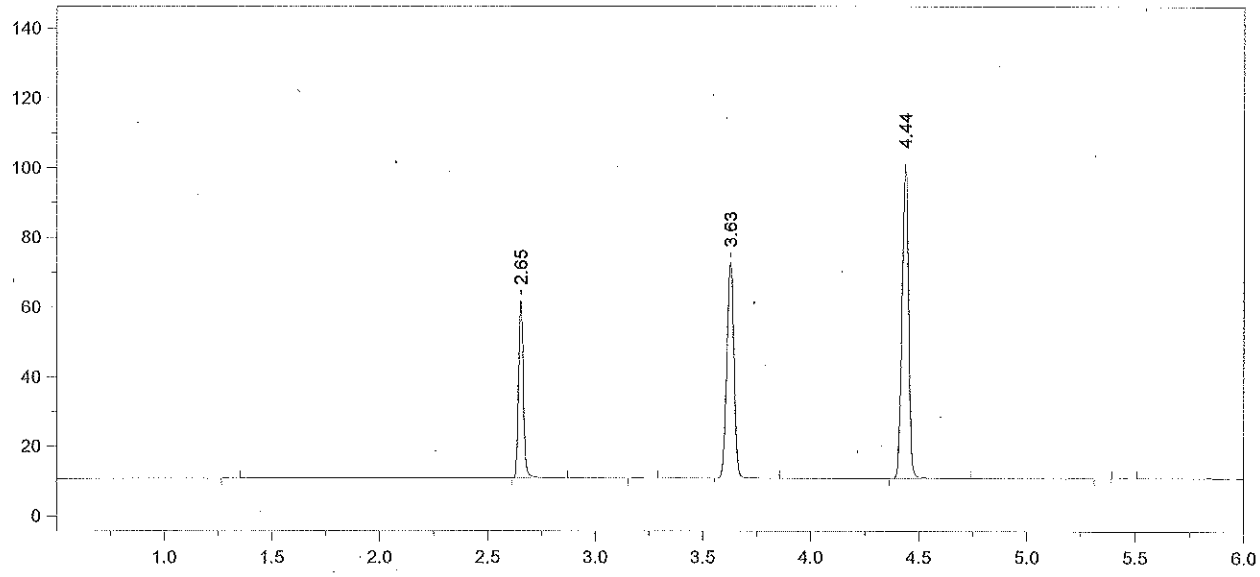
Sample Name = AQ QC
Date Taken = 1/23/2015 4:51:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76330	0.0799
4	3.62	t-Butanol	142606	1.0137
5	4.43	n-Propanol	181798	1.0000

15-04-080 12 AB



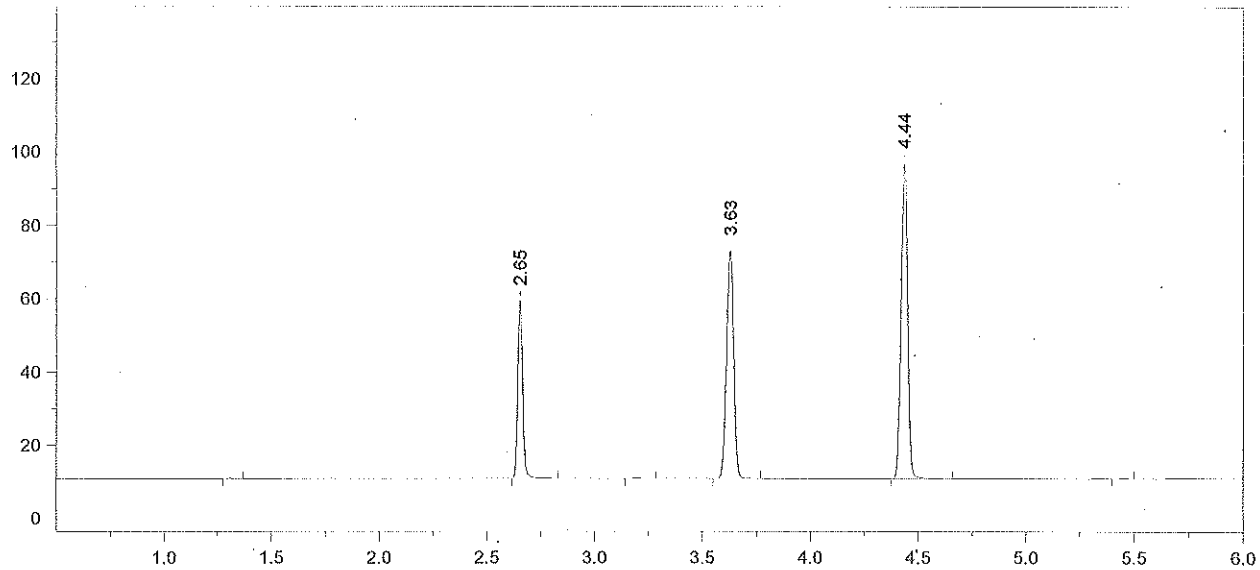
Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 5:04:59 PM
Bound File Name = SIM01232015.0009.RAW
Sample Name = AQ QC
Date Taken = 1/23/2015 5:04:55 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79111	0.0783
4	3.63	t-Butanol	144034	0.9688
5	4.44	n-Propanol	192126	1.0000

Avg vials 8+9 = 0.079
TV = 0.08 99% recovery
1/26/15 AB

15-04-080 13 AB

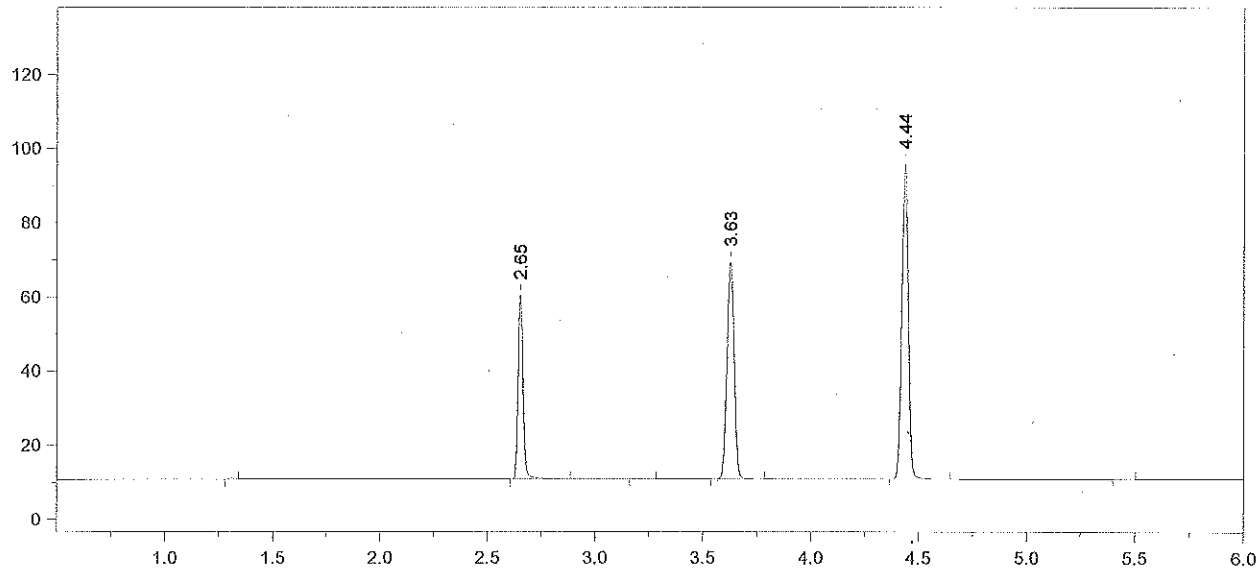


Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 5:23:13 PM
Bound File Name = SIM01232015.0010.RAW
Sample Name = CCS
Date Taken = 1/23/2015 5:23:06 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75068	0.0780
4	3.63	t-Butanol	144367	1.0192
5	4.44	n-Propanol	183038	1.0000

15-04-080 14 AB



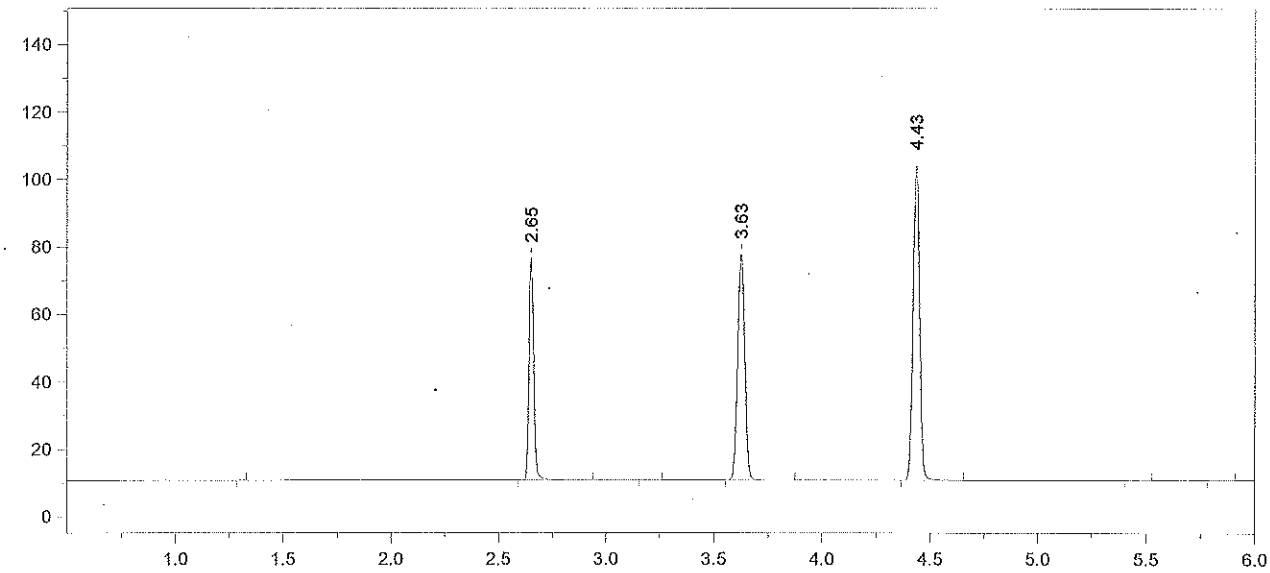
Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 5:37:06 PM
Bound File Name = SIM01232015.0011.RAW
Sample Name = CCS
Date Taken = 1/23/2015 5:36:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77147	0.0817
4	3.63	t-Butanol	135967	0.9777
5	4.44	n-Propanol	179714	1.0000

Avg vials 10 + 11 = 0.080
1/26/15 AB

15-04-080 15 AB

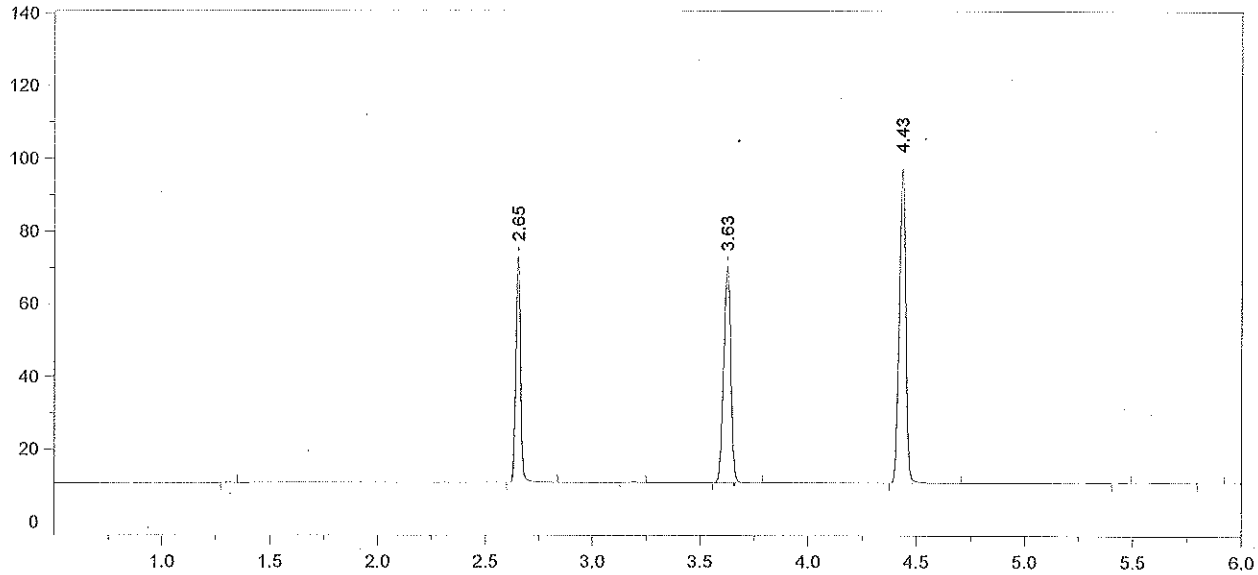


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 5:52:57 PM
Bound File Name = SIM01232015.0012.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 5:52:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	102708	0.0982	0.0801
4	3.63	t-Butanol	155200	1.0079	0.8226
5	4.43	n-Propanol	198994	1.0000	0.8162

15-04-080 16 SB

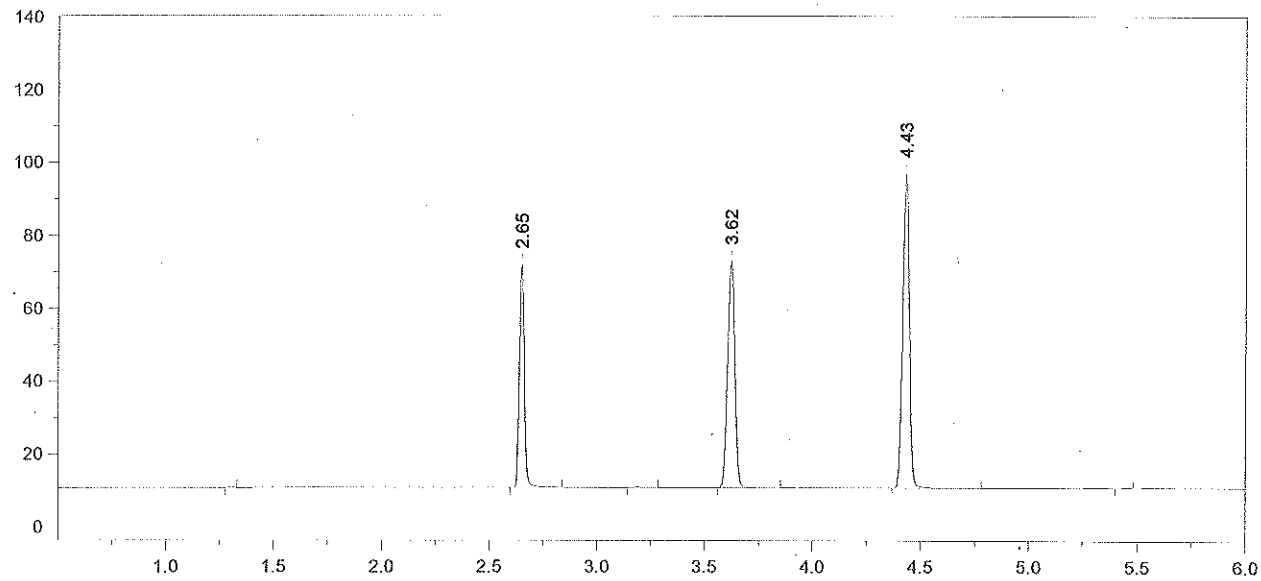


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 6:08:45 PM
Bound File Name = SIM01232015.0013.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 6:08:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	96691	0.0997	0.0814
4	3.63	t-Butanol	138132	0.9678	0.7899
5	4.43	n-Propanol	184451	1.0000	0.8162

15-04-080 17 AB

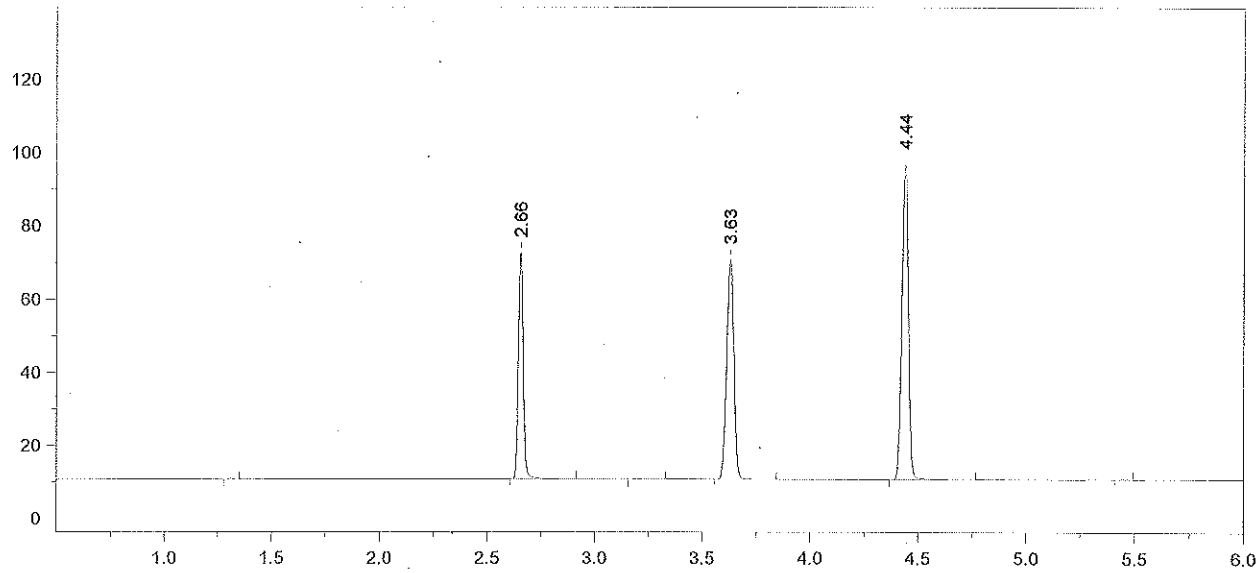


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015 Today's Time = 6:24:32 PM
Bound File Name = SIM01232015.0014.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 6:24:22 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94753	0.0977	0.0797
4	3.62	t-Butanol	145073	1.0158	0.8291
5	4.43	n-Propanol	184551	1.0000	0.8162

15-04-080 18 AB

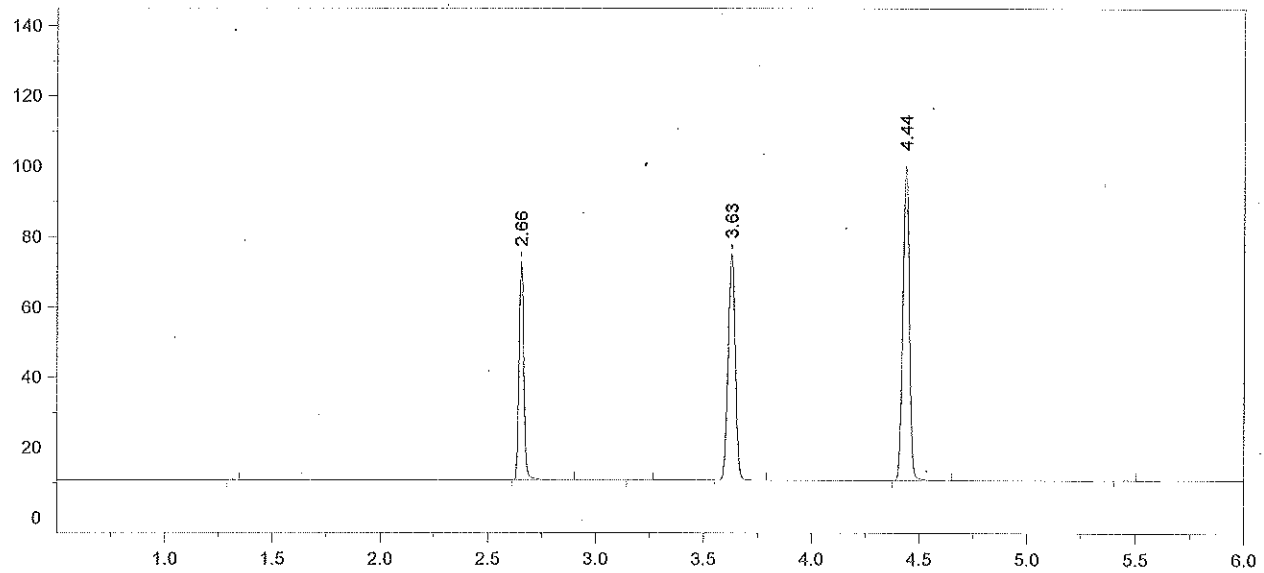


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 6:38:56 PM
Bound File Name = SIM01232015.0015.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 6:38:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	96428	0.0995	0.0812
4	3.63	t-Butanol	139396	0.9765	0.7970
5	4.44	n-Propanol	184466	1.0000	0.8162

15-04-080 19 AB

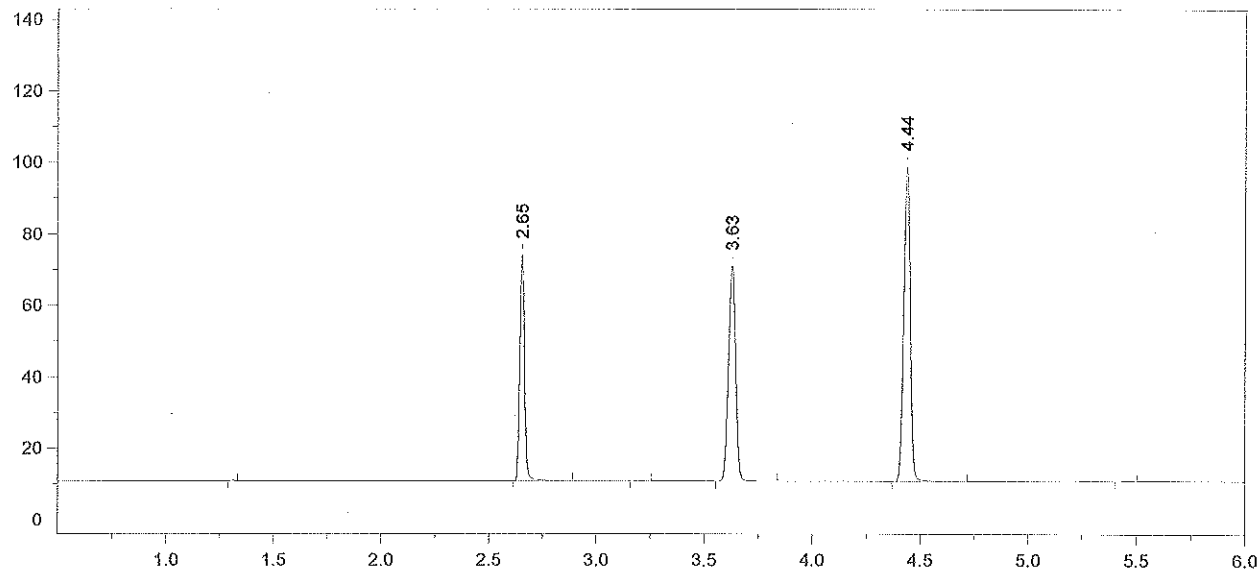


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 6:55:52 PM
Bound File Name = SIM01232015.0016.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 6:55:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	97212	0.0968	0.0790
4	3.63	t-Butanol	148857	1.0064	0.8214
5	4.44	n-Propanol	191134	1.0000	0.8162

15-04-080 20 AB

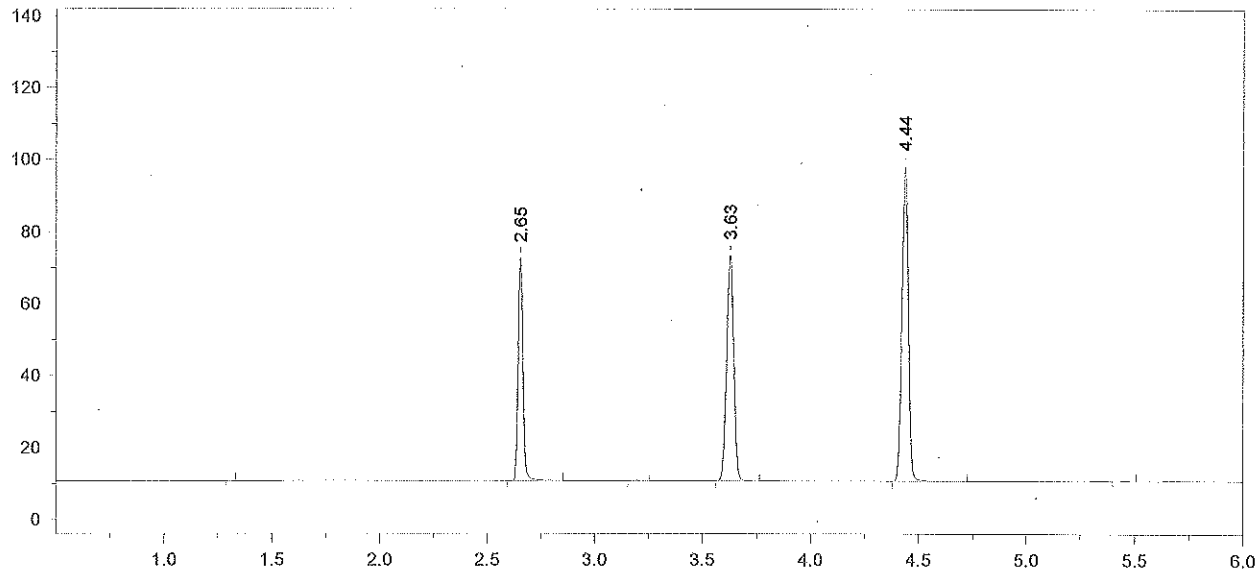


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 7:09:57 PM
Bound File Name = SIM01232015.0017.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 7:09:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98427	0.0998	0.0815
4	3.63	t-Butanol	139999	0.9645	0.7873
5	4.44	n-Propanol	187566	1.0000	0.8162

15-04-080 21 AS

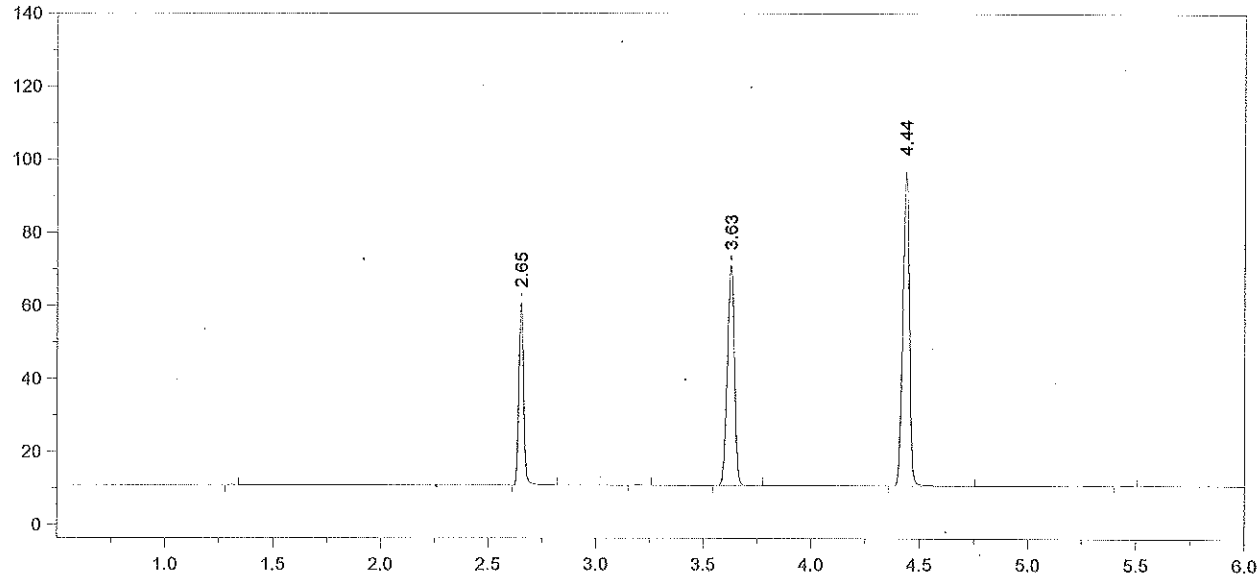


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 7:27:19 PM
Bound File Name = SIM01232015.0018.RAW
Sample Name = 0.08 ALB
Date Taken = 1/23/2015 7:27:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95701	0.0979	0.0799
4	3.63	t-Butanol	146040	1.0144	0.8279
5	4.44	n-Propanol	186049	1.0000	0.8162

15-04-080 22 AB

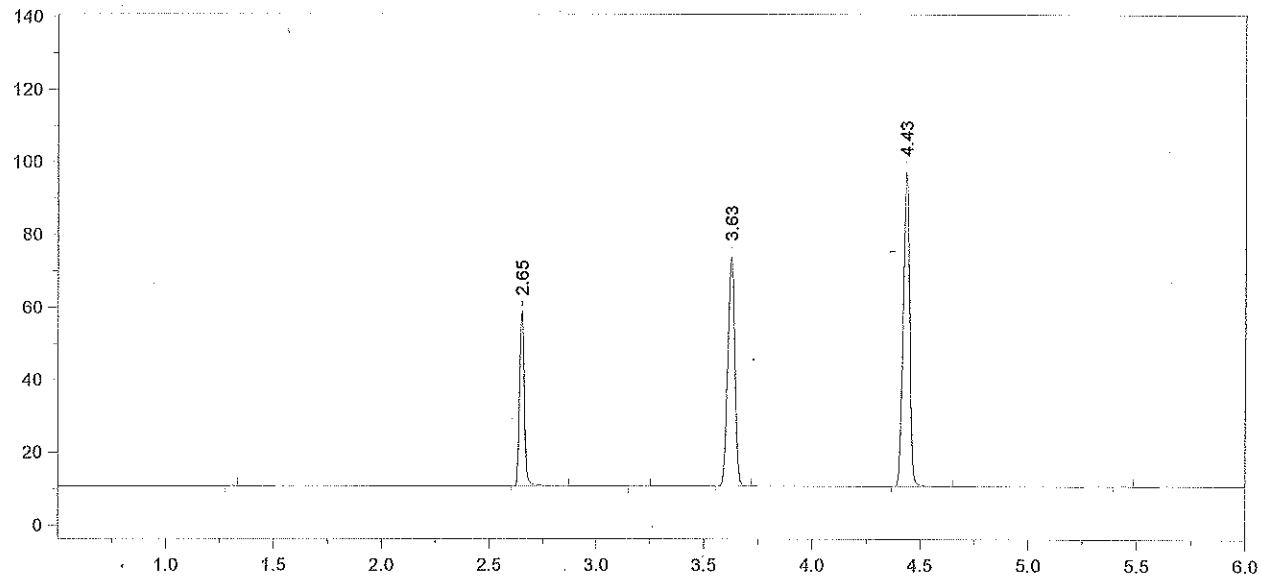


Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 7:41:44 PM
Bound File Name = SIM01232015.0019.RAW
Sample Name = CCS
Date Taken = 1/23/2015 7:41:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77234	0.0800
4	3.63	t-Butanol	140403	0.9879
5	4.44	n-Propanol	183652	1.0000

15-04-080 23 AB



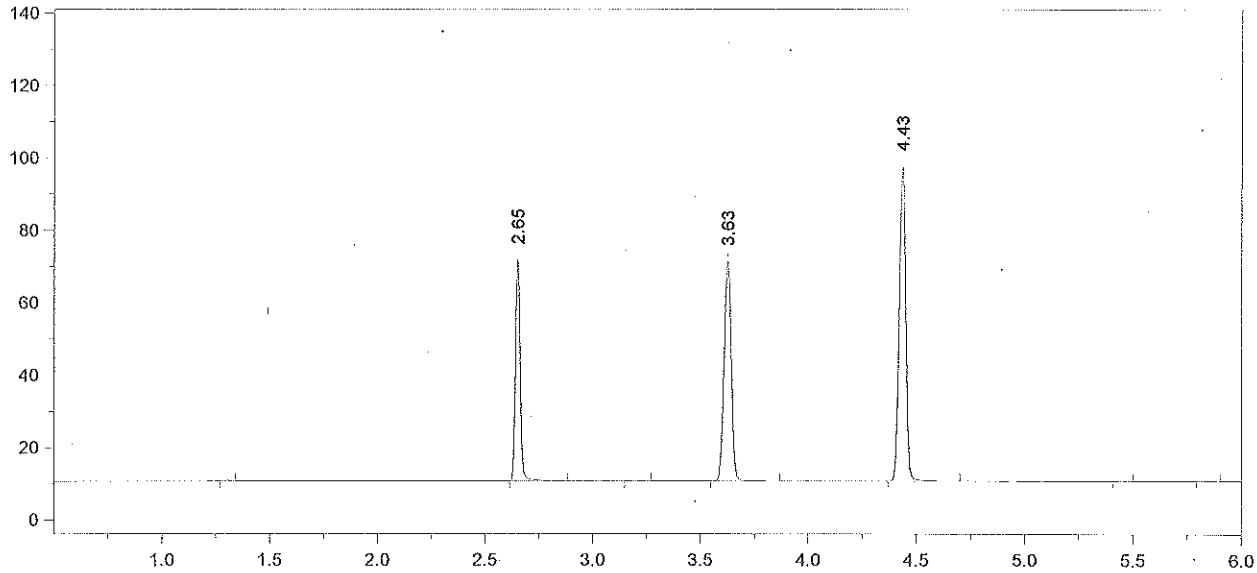
Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 7:58:44 PM
Bound File Name = SIM01232015.0020.RAW
Sample Name = CCS
Date Taken = 1/23/2015 7:58:35 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75303	0.0777
4	3.63	t-Butanol	146153	1.0241
5	4.43	n-Propanol	184425	1.0000

Avg vials 19 + 20 = 0.079
1/26/15 AB

15-04-080 24 AB

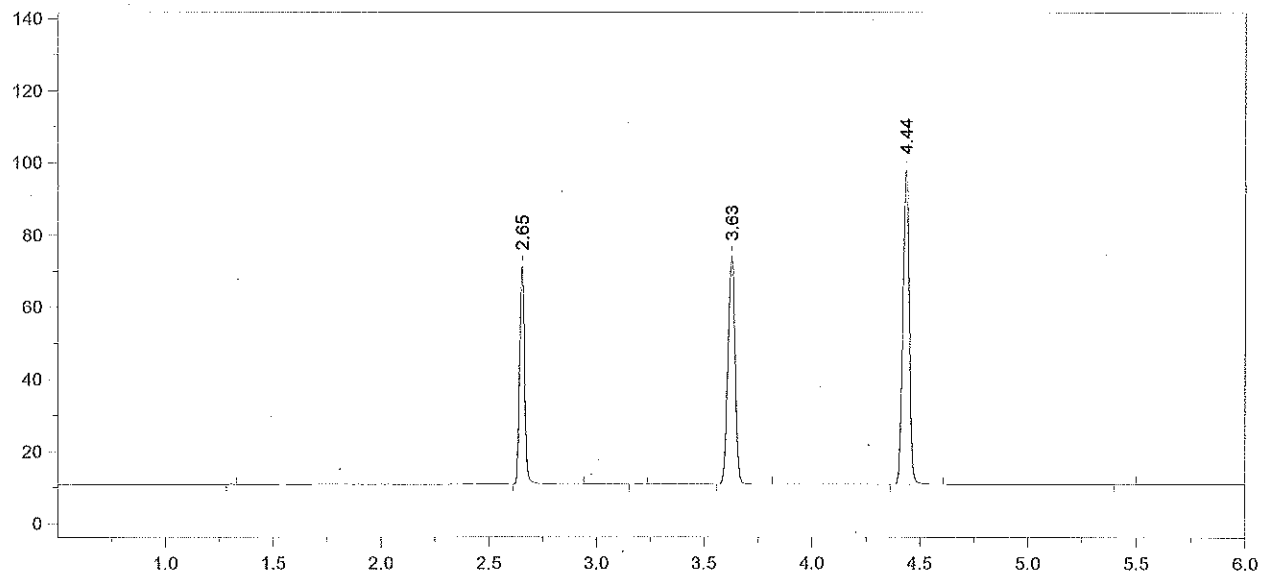


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015 Today's Time = 8:11:56 PM
Bound File Name = SIM01232015.0021.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 8:11:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95459	0.0979	0.0799
4	3.63	t-Butanol	140554	0.9792	0.7992
5	4.43	n-Propanol	185499	1.0000	0.8162

15-04-080 25 AB

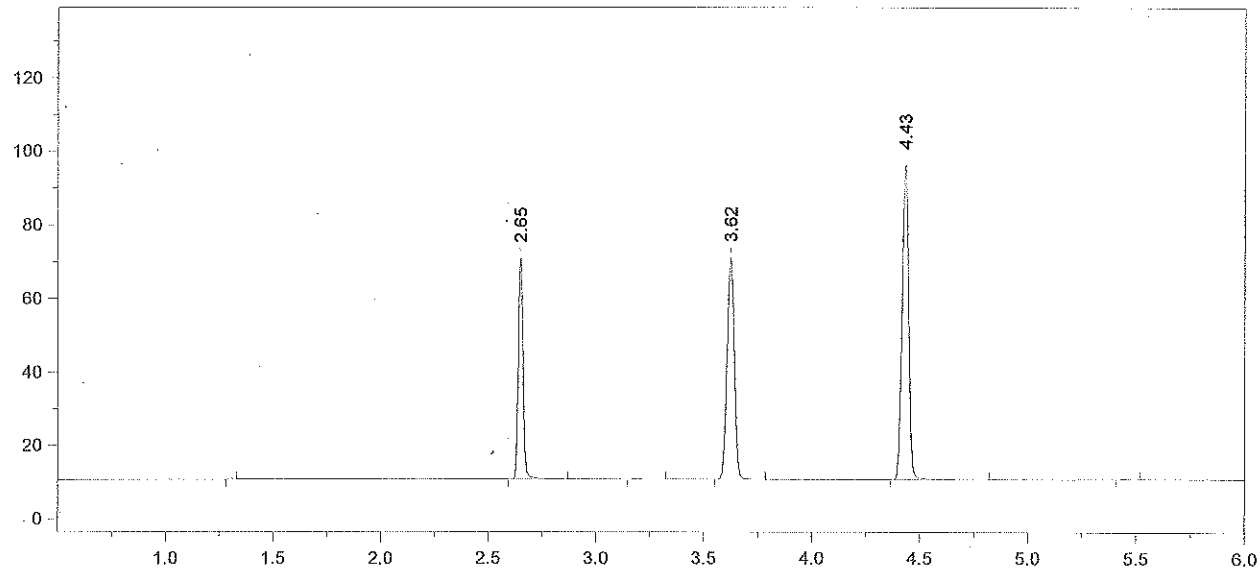


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 8:30:03 PM
Bound File Name = SIM01232015.0022.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 8:29:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93840	0.0965	0.0788
4	3.63	t-Butanol	146991	1.0272	0.8384
5	4.44	n-Propanol	184920	1.0000	0.8162

15-04-080 26 SB

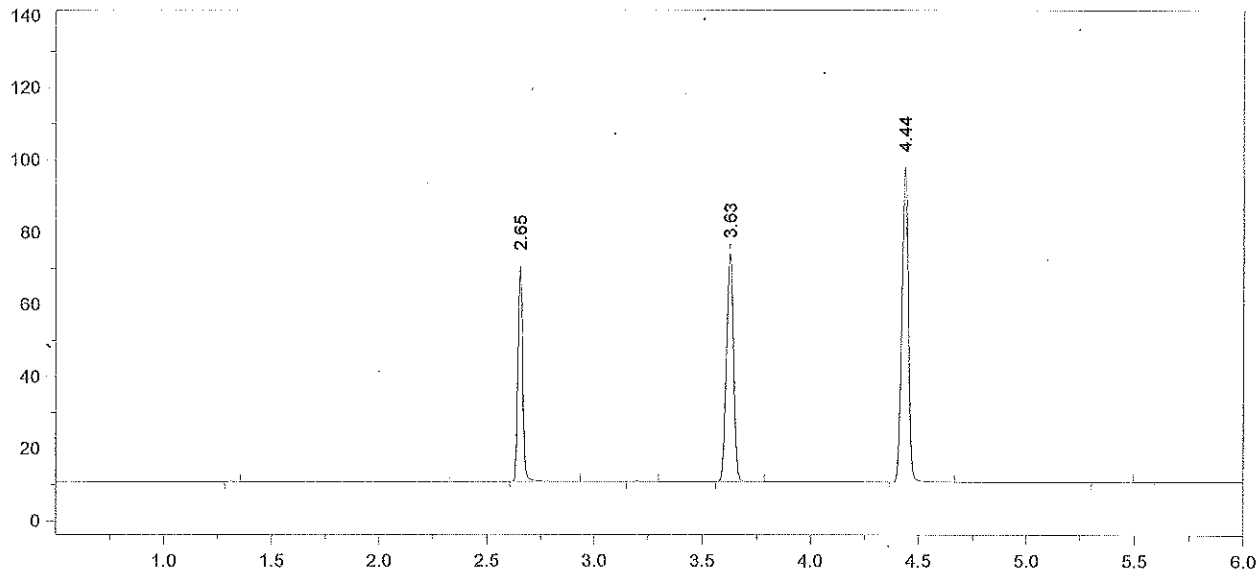


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 8:44:09 PM
Bound File Name = SIM01232015.0023.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 8:44:05 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93283	0.0968	0.0790
4	3.62	t-Butanol	139712	0.9842	0.8033
5	4.43	n-Propanol	183435	1.0000	0.8162

15-04-080 27 AB

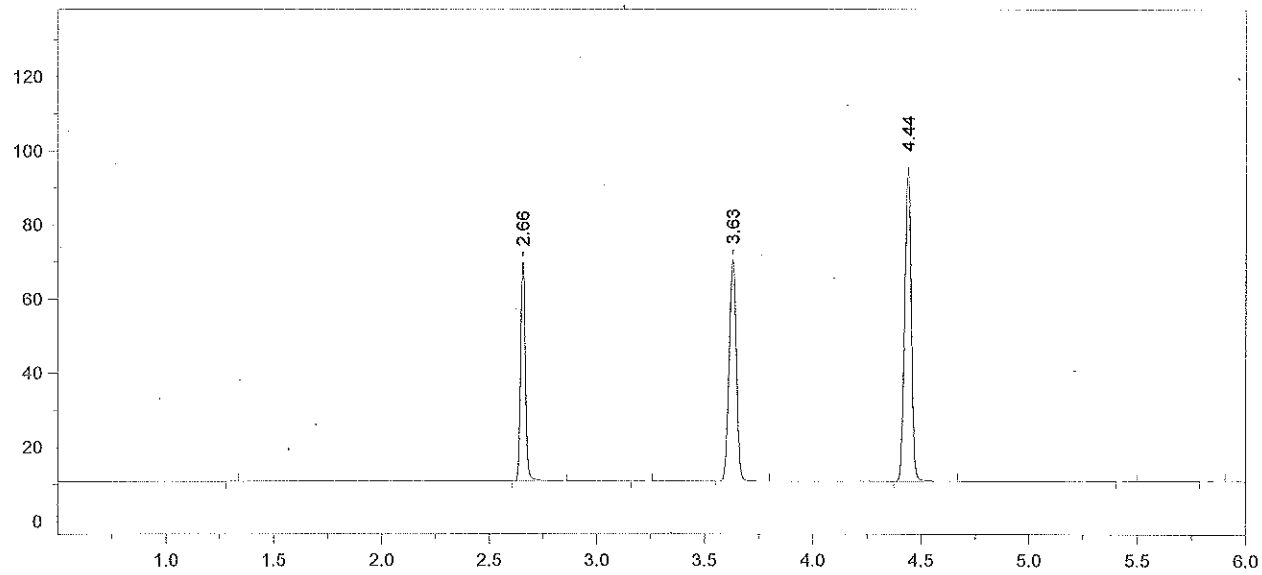


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015 Today's Time = 9:01:30 PM
Bound File Name = SIM01232015.0024.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 9:01:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93063	0.0958	0.0782
4	3.63	t-Butanol	147114	1.0281	0.8391
5	4.44	n-Propanol	184913	1.0000	0.8162

15-04-080 28 AB

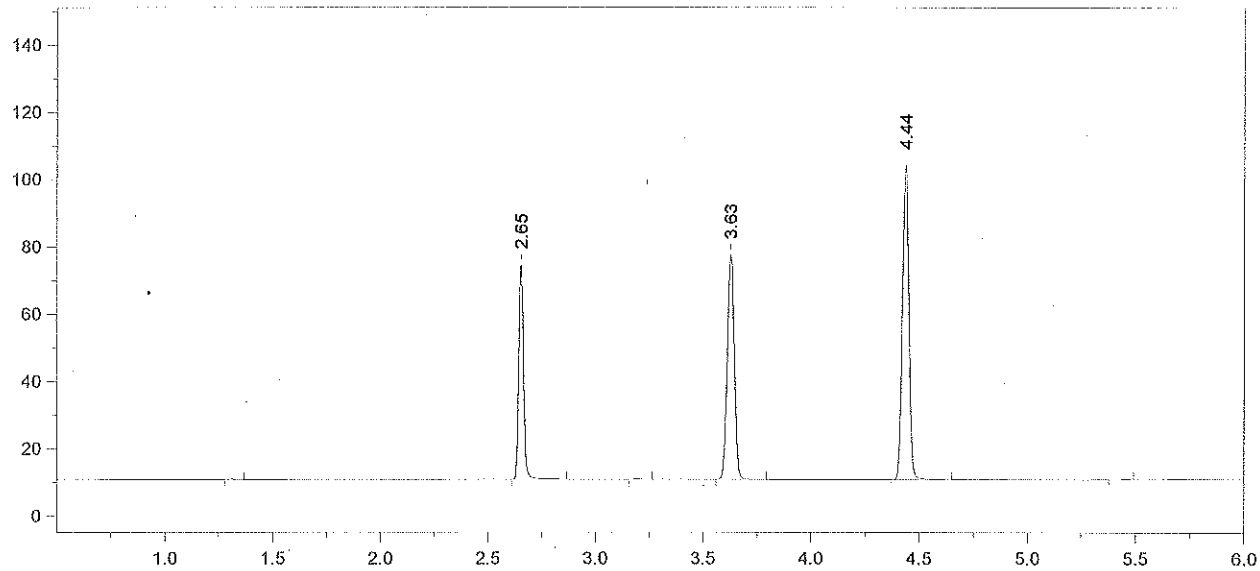


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015
Today's Time = 9:15:58 PM
Bound File Name = SIM01232015.0025.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 9:15:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	92326	0.0972	0.0793
4	3.63	t-Butanol	138519	0.9903	0.8083
5	4.44	n-Propanol	180749	1.0000	0.8162

15-04-080 29 AB

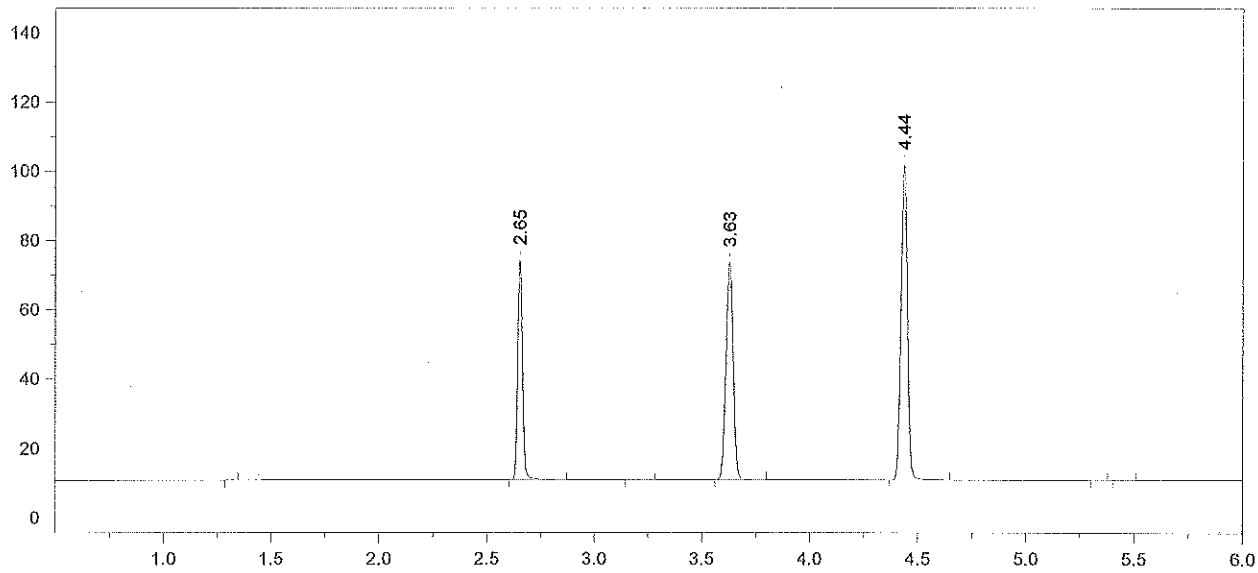


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015 Today's Time = 9:31:17 PM
Bound File Name = SIM01232015.0026.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 9:31:07 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98925	0.0951	0.0776
4	3.63	t-Butanol	155323	1.0145	0.8280
5	4.44	n-Propanol	197846	1.0000	0.8162

15-04-080 30 AB

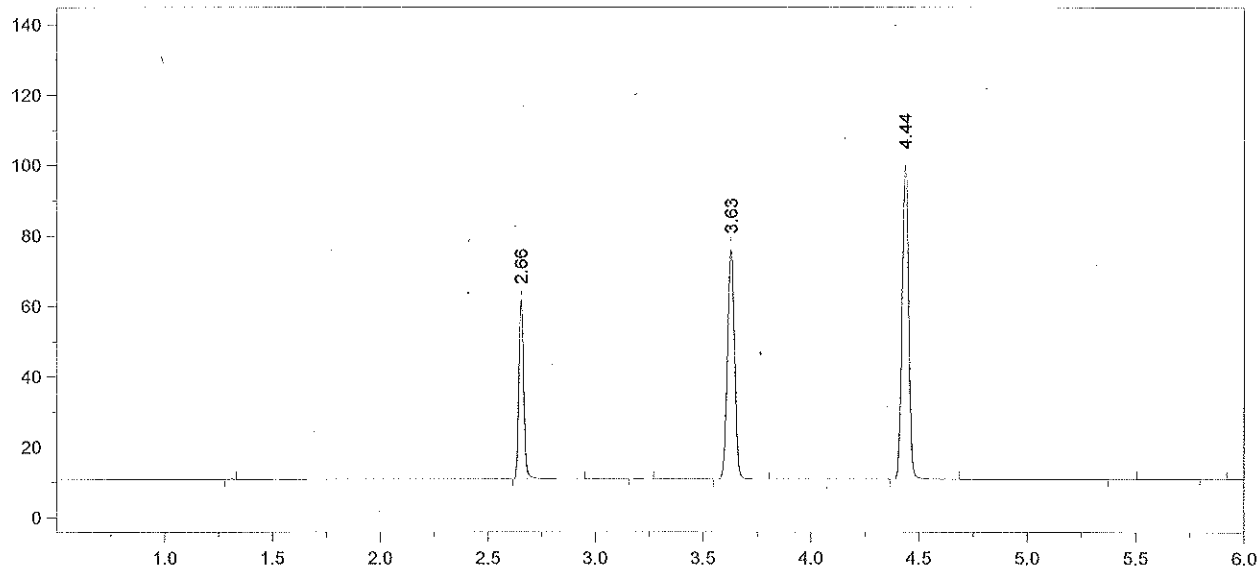


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/23/2015 Today's Time = 9:46:39 PM
Bound File Name = SIM01232015.0027.RAW
Sample Name = 0.08 RLM
Date Taken = 1/23/2015 9:46:34 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL01232015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98089	0.0969	0.0791
4	3.63	t-Butanol	145865	0.9786	0.7987
5	4.44	n-Propanol	192628	1.0000	0.8162

15-04-080 31 AB

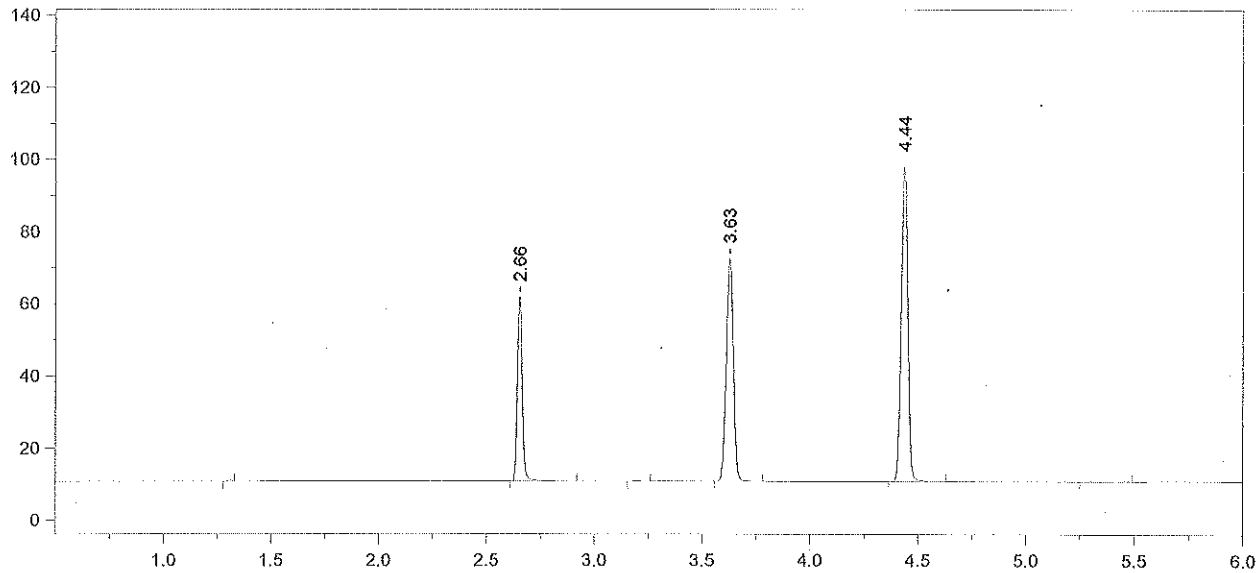


Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 10:02:42 PM
Bound File Name = SIM01232015.0028.RAW
Sample Name = CCS
Date Taken = 1/23/2015 10:02:37 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80040	0.0796
4	3.63	t-Butanol	151481	1.0229
5	4.44	n-Propanol	191367	1.0000

15-04-080 32 AB



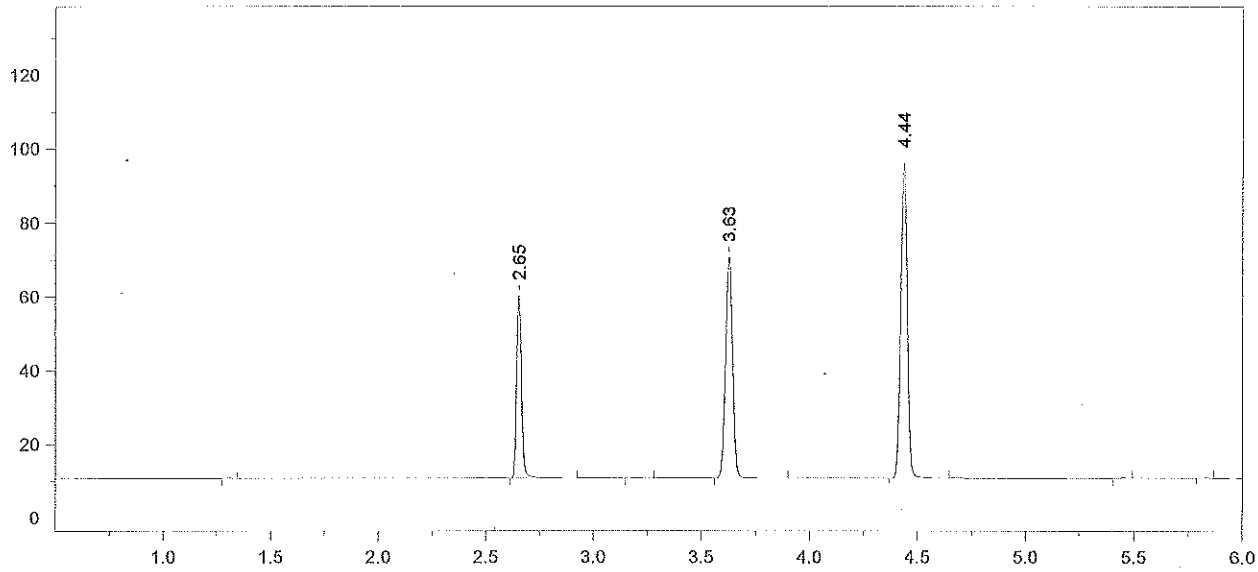
Format File Name = AlcoholVFL.FMT

Today's Date = 1/23/2015
Today's Time = 10:16:58 PM
Bound File Name = SIM01232015.0029.RAW
Sample Name = CCS
Date Taken = 1/23/2015 10:16:53 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79942	0.0817
4	3.63	t-Butanol	142488	0.9892
5	4.44	n-Propanol	186147	1.0000

Avg vals 28 + 29 = 0.080
1/26/15 AB

15-04-080 33 AB

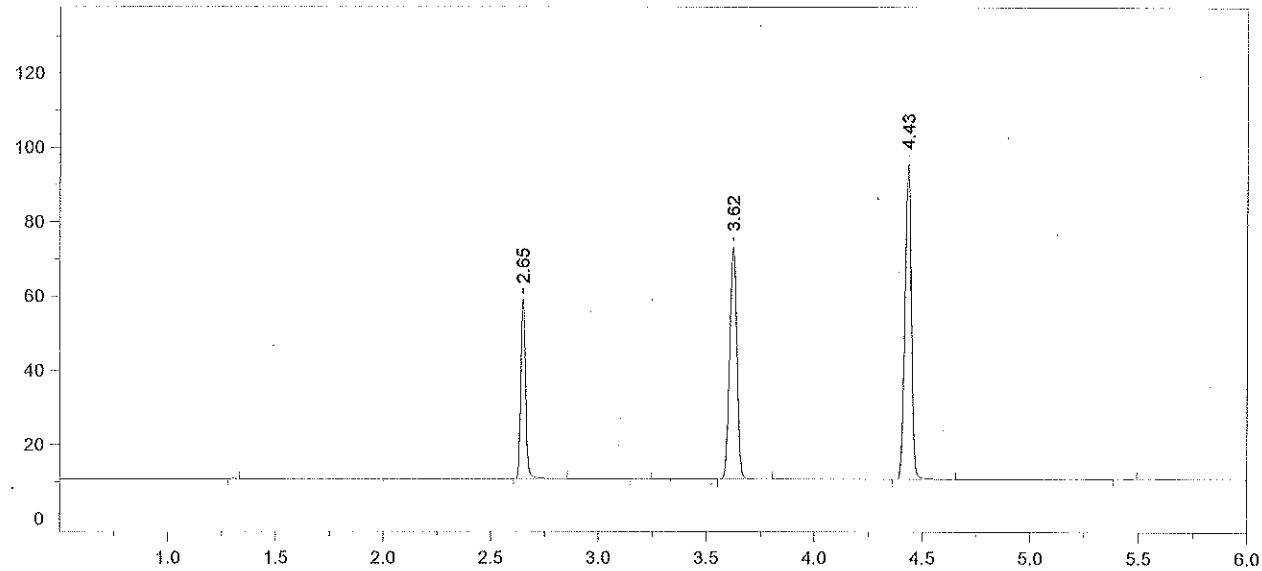


Format File Name = AlcoholVFL.FMT

Today's Date = 1/24/2015
Today's Time = 12:20:44 AM
Bound File Name = SIM01232015.0037.RAW
Sample Name = CCS
Date Taken = 1/24/2015 12:20:37 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77209	0.0811
4	3.63	t-Butanol	139299	0.9939
5	4.44	n-Propanol	181114	1.0000

15-04-080 34 AB



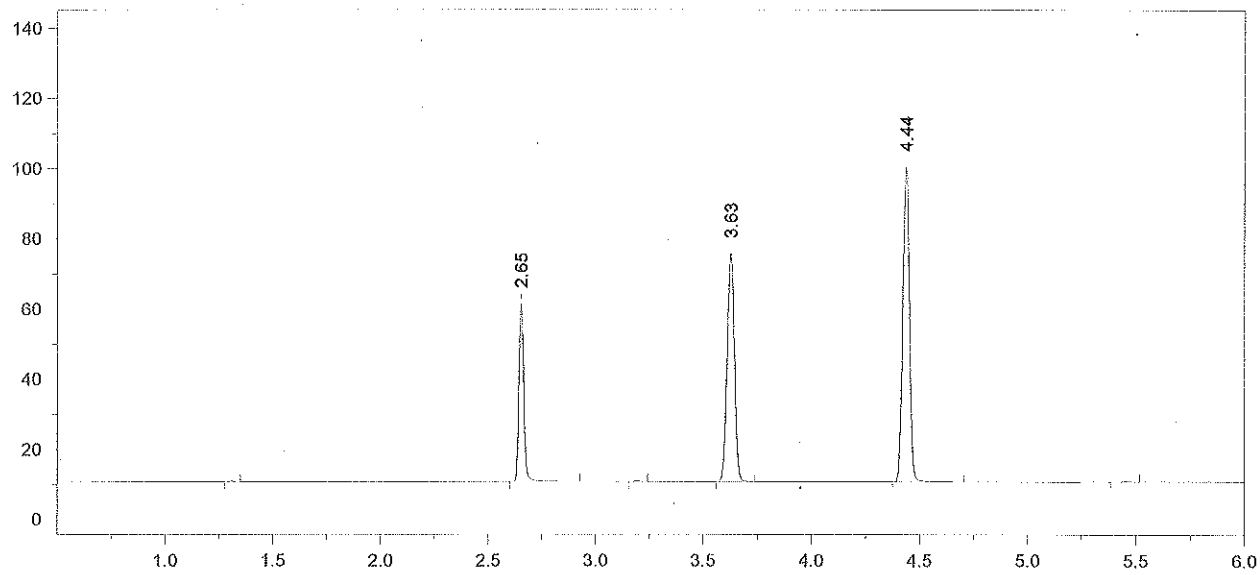
Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:21:17 AM
Bound File Name = SIM01232015.0038.RAW
Sample Name = CCS
Date Taken = 1/24/2015 12:38:14 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75359	0.0793
4	3.62	t-Butanol	145182	1.0383
5	4.43	n-Propanol	180699	1.0000

Avg vals 37 + 38 = 0.080
1/26/15 AB

15-04-080 35 AB

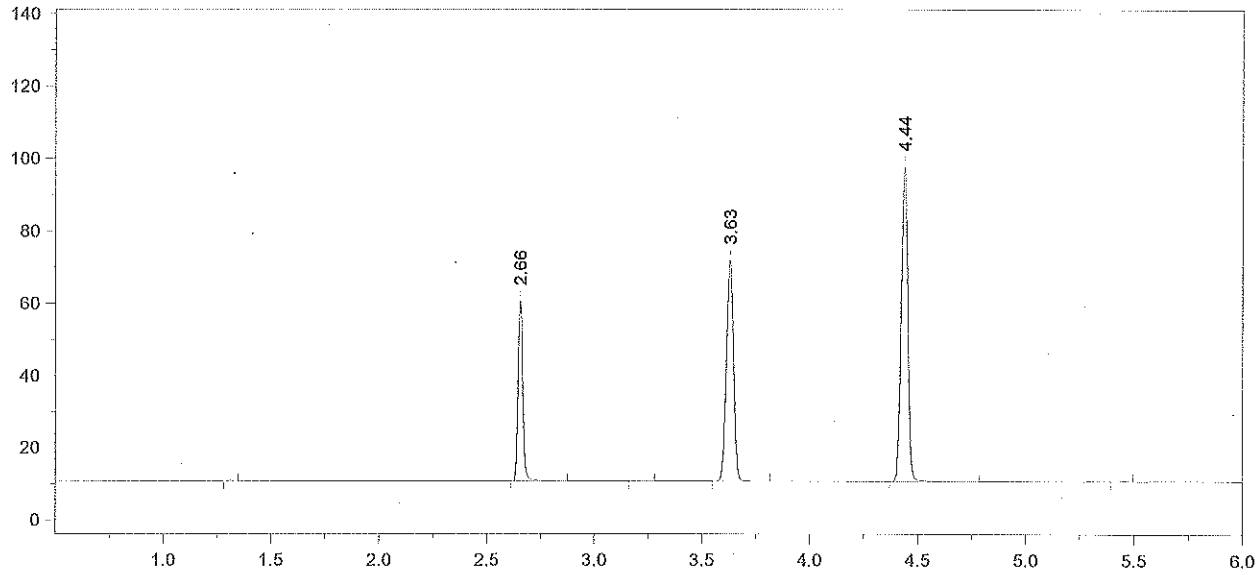


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:22:12 AM
Bound File Name = SIM01232015.0046.RAW
Sample Name = CCS
Date Taken = 1/24/2015 2:40:46 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78967	0.0786
4	3.63	t-Butanol	151293	1.0223
5	4.44	n-Propanol	191246	1.0000

15-04-080 36 AB



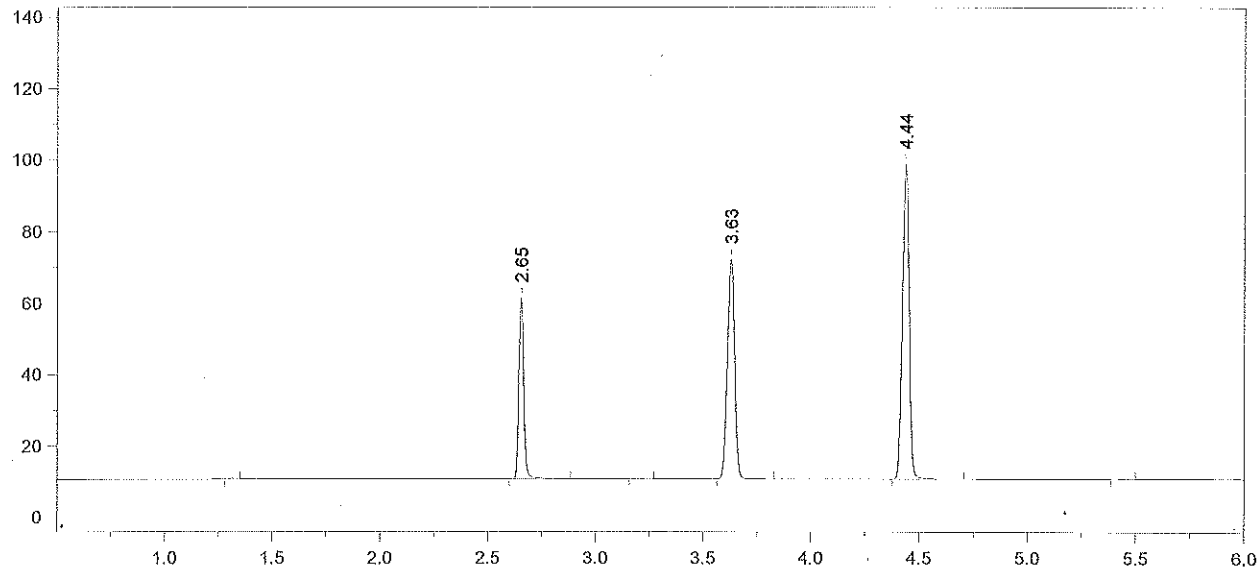
Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:22:19 AM
Bound File Name = SIM01232015.0047.RAW
Sample Name = CCS
Date Taken = 1/24/2015 2:56:11 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78352	0.0801
4	3.63	t-Butanol	141459	0.9825
5	4.44	n-Propanol	186063	1.0000

Avg vals 46 + 47 = 0.079
1/26/15 AB

15-04-080 37 AB

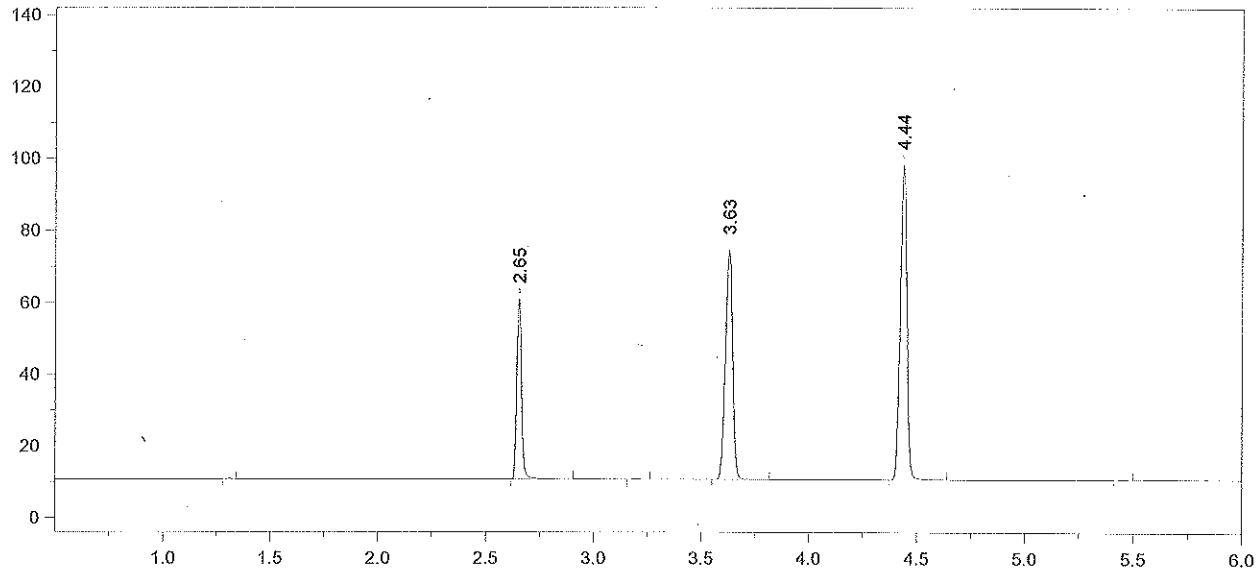


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:23:11 AM
Bound File Name = SIM01232015.0055.RAW
Sample Name = CCS
Date Taken = 1/24/2015 5:00:51 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78937	0.0804
4	3.63	t-Butanol	142364	0.9855
5	4.44	n-Propanol	186682	1.0000

15-04-080 38 SB



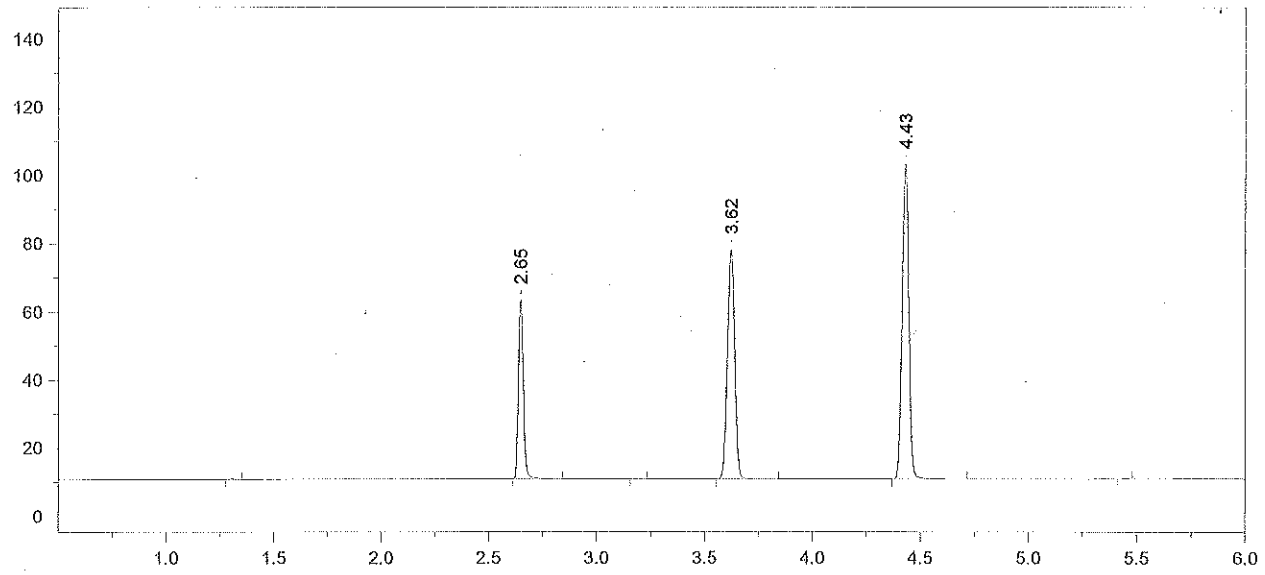
Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:23:18 AM
Bound File Name = SIM01232015.0056.RAW
Sample Name = CCS
Date Taken = 1/24/2015 5:16:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78215	0.0798
4	3.63	t-Butanol	148617	1.0295
5	4.44	n-Propanol	186558	1.0000

Avg vals 55 + 56 = 0.080
1/26/15 AB

15-04-080 39 AB

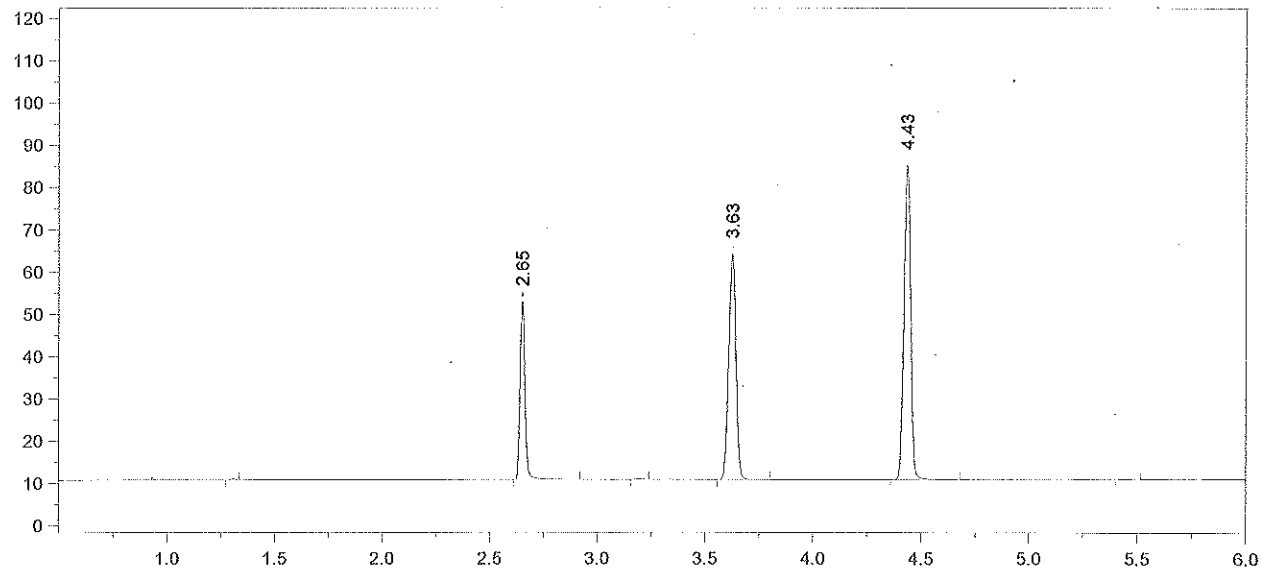


Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:08 AM
Bound File Name = SIM01232015.0064.RAW
Sample Name = CCS
Date Taken = 1/24/2015 7:19:29 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81848	0.0787
4	3.62	t-Butanol	155699	1.0168
5	4.43	n-Propanol	197888	1.0000

15-04-080 40 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 1/26/2015
Today's Time = 7:24:15 AM
Bound File Name = SIM01232015.0065.RAW
Sample Name = CCS
Date Taken = 1/24/2015 7:34:24 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL01232015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	66039	0.0791
4	3.63	t-Butanol	123584	1.0050
5	4.43	n-Propanol	158906	1.0000

Avg vals 64 + 65 = 0.079
1/26/15 AB

15-04-080 41 AB

Chrom Perfect Sequence File

File Name = C:\Alcohol Data\SIM01272015\SIM01272015.SEQ
Version = 1
File Date = 1/27/2015 9:16:15 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM01272015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM01272015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM01272015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	SIM01272015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	SIM01272015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	SIM01272015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	SIM01272015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	SIM01272015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM01272015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM01272015.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM01272015.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM01272015.0012.raw	simsoln.met	0.08 ALB	1.00	1.00
13	SIM01272015.0013.raw	simsoln.met	0.08 ALB	1.00	1.00
14	SIM01272015.0014.raw	simsoln.met	0.08 ALB	1.00	1.00
15	SIM01272015.0015.raw	simsoln.met	0.08 ALB	1.00	1.00
16	SIM01272015.0016.raw	simsoln.met	0.08 ALB	1.00	1.00
17	SIM01272015.0017.raw	simsoln.met	0.08 ALB	1.00	1.00
18	SIM01272015.0018.raw	simsoln.met	0.08 ALB	1.00	1.00
19	SIM01272015.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM01272015.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM01272015.0021.raw	simsoln.met	0.08 RLM	1.00	1.00
22	SIM01272015.0022.raw	simsoln.met	0.08 RLM	1.00	1.00
23	SIM01272015.0023.raw	simsoln.met	0.08 RLM	1.00	1.00
24	SIM01272015.0024.raw	simsoln.met	0.08 RLM	1.00	1.00
25	SIM01272015.0025.raw	simsoln.met	0.08 RLM	1.00	1.00
26	SIM01272015.0026.raw	simsoln.met	0.08 RLM	1.00	1.00
27	SIM01272015.0027.raw	simsoln.met	0.08 RLM	1.00	1.00
28	SIM01272015.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM01272015.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM01272015.0030.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
31	SIM01272015.0031.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
32	SIM01272015.0032.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
33	SIM01272015.0033.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
34	SIM01272015.0034.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
35	SIM01272015.0035.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
36	SIM01272015.0036.raw	simsoln.met	0.10 SIM ALB	1.00	1.00
37	SIM01272015.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM01272015.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM01272015.0039.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
40	SIM01272015.0040.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
41	SIM01272015.0041.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
42	SIM01272015.0042.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
43	SIM01272015.0043.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
44	SIM01272015.0044.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
45	SIM01272015.0045.raw	simsoln.met	0.10 SIM RLM	1.00	1.00
46	SIM01272015.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM01272015.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	SIM01272015.0048.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
49	SIM01272015.0049.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
50	SIM01272015.0050.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
51	SIM01272015.0051.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
52	SIM01272015.0052.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
53	SIM01272015.0053.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
54	SIM01272015.0054.raw	simsoln.met	0.10 CAL ALB	1.00	1.00
55	SIM01272015.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	SIM01272015.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	SIM01272015.0057.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
58	SIM01272015.0058.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
59	SIM01272015.0059.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
60	SIM01272015.0060.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
61	SIM01272015.0061.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
62	SIM01272015.0062.raw	simsoln.met	0.10 CAL RLM	1.00	1.00

other Sim concentrations not included 1/28/15 AB

15-04-080 42 AB

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM01272015.0063.raw	simsoln.met	0.10 CAL RLM	1.00	1.00
64	SIM01272015.0064.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
65	SIM01272015.0065.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

not included AB 1/28/15

15-04-080 43 AB

File Name: C:\Methods\SIM01272015.CAL
Version: 7

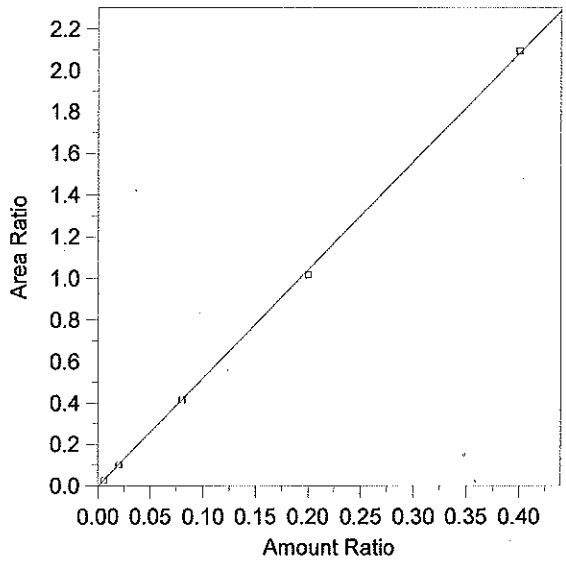
Creator:
Description:
Reason for change:

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

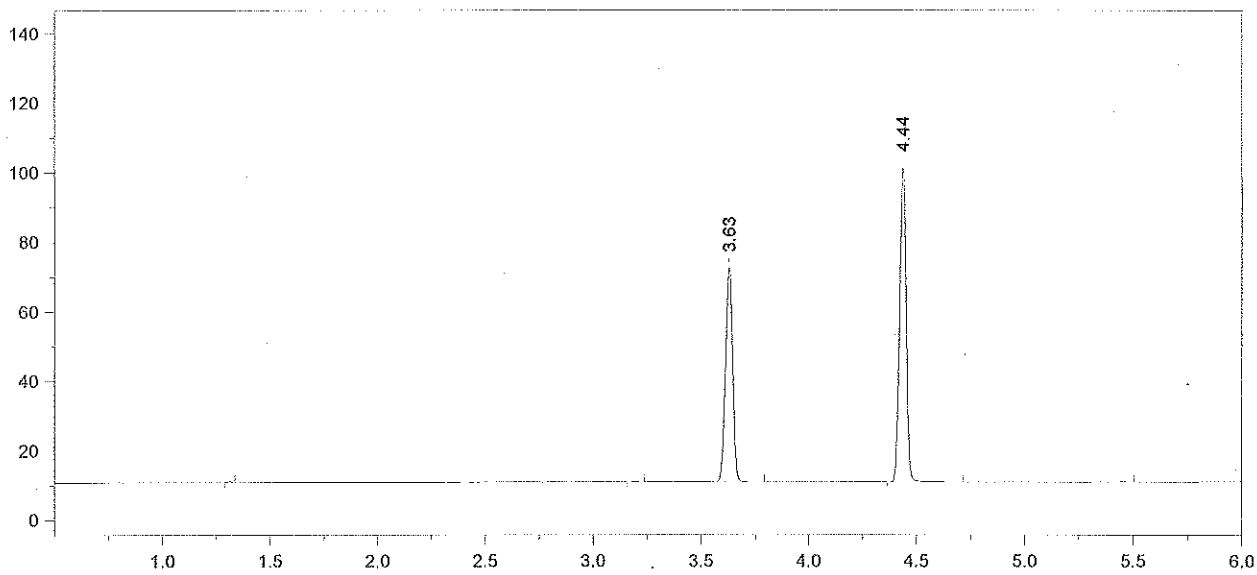
Y = 5.200883 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997561
Average error:	1.435%
Average CF:	5.148471
RSD:	1.853%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.0836)	(85146)	--	--	0.0836	85146	Manual	8/13/2014 9:33:12 AM
2	0.005	4957.571	991514.2	0.484	0.005	0.0261303	C:\Alcohol Data\SIM01272015\SIM01272015.0003.BND	1/27/2015 10:23:38 AM
3	0.02	18677.24	933862.1	-3.577	0.02	0.100297	C:\Alcohol Data\SIM01272015\SIM01272015.0004.BND	1/27/2015 10:40:56 AM
4	0.08	76231.43	952892.9	-0.272	0.08	0.414939	C:\Alcohol Data\SIM01272015\SIM01272015.0005.BND	1/27/2015 10:55:02 AM
5	0.2	217110	1085550	-2.258	0.2	1.016687	C:\Alcohol Data\SIM01272015\SIM01272015.0006.BND	1/27/2015 11:10:35 AM
6	0.4	394895.3	987238.3	0.584	0.4	2.092509	C:\Alcohol Data\SIM01272015\SIM01272015.0007.BND	1/27/2015 11:26:34 AM

15-04-080 44 AB

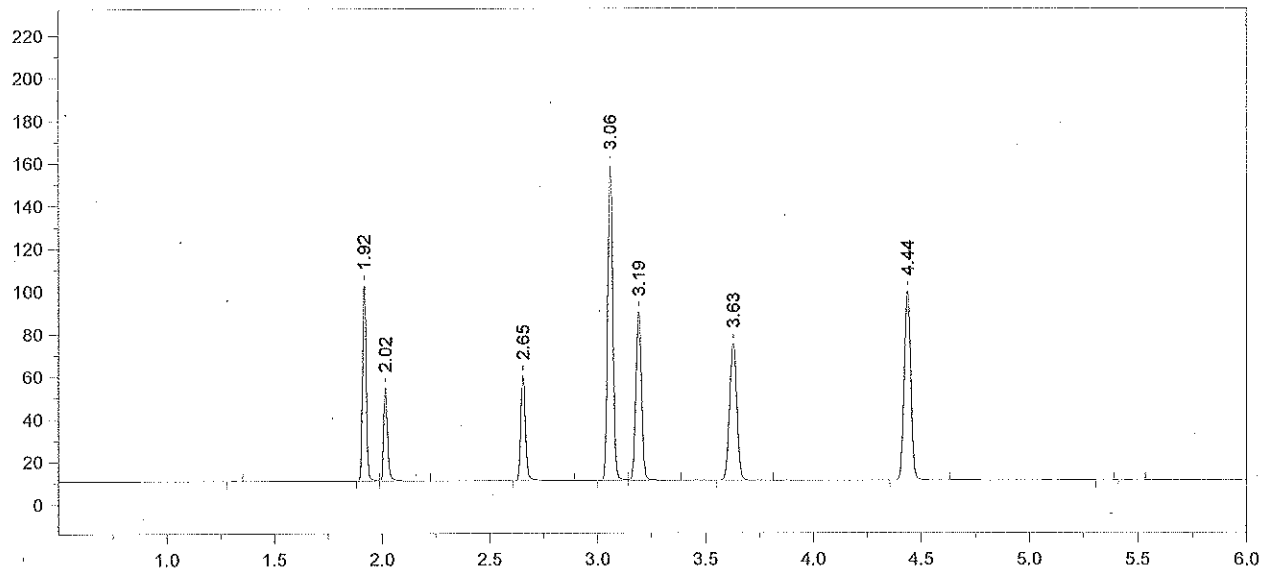


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:53:52 PM
Bound File Name = SIM01272015.0001.RAW
Sample Name = Blank
Date Taken = 1/27/2015 9:53:01 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.63	t-Butanol	143644	0.9611
4	4.44	n-Propanol	192756	1.0000

15-04-080 45 AB

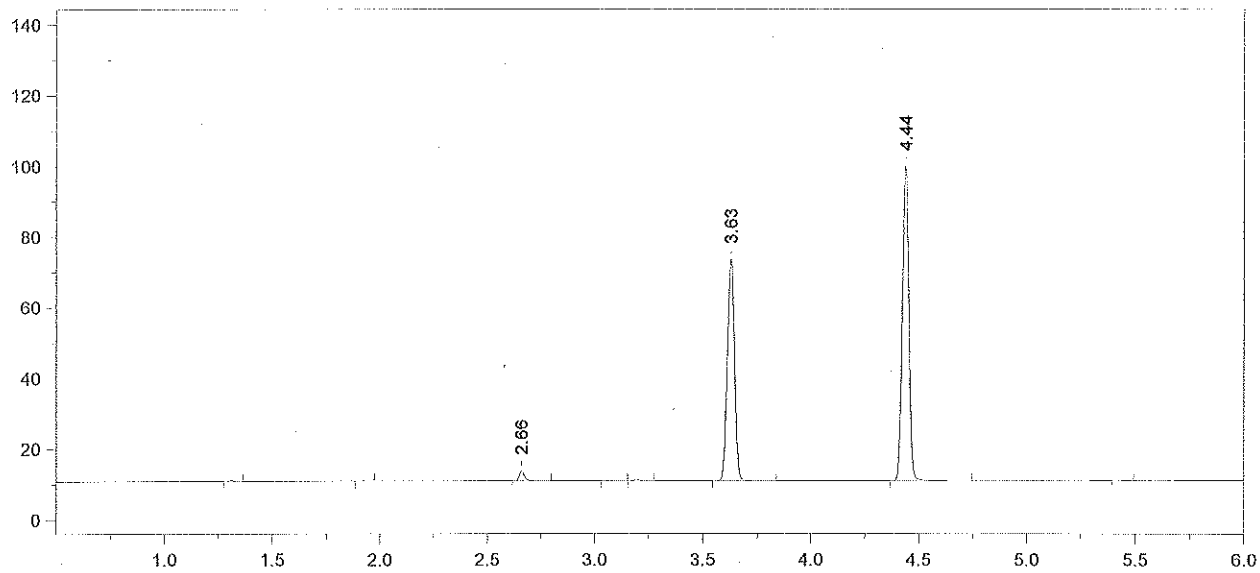


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:00 PM
Bound File Name = SIM01272015.0002.RAW
Sample Name = TMX
Date Taken = 1/27/2015 10:09:22 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	109208	0.0695
3	2.02	Methanol	55479	0.1232
4	2.65	Ethanol	77212	0.0790
5	3.06	Acetone	254879	0.0657
6	3.19	Isopropanol	148720	0.0848
7	3.63	t-Butanol	149189	1.0237
8	4.44	n-Propanol	187944	1.0000

15-04-080 46 AB

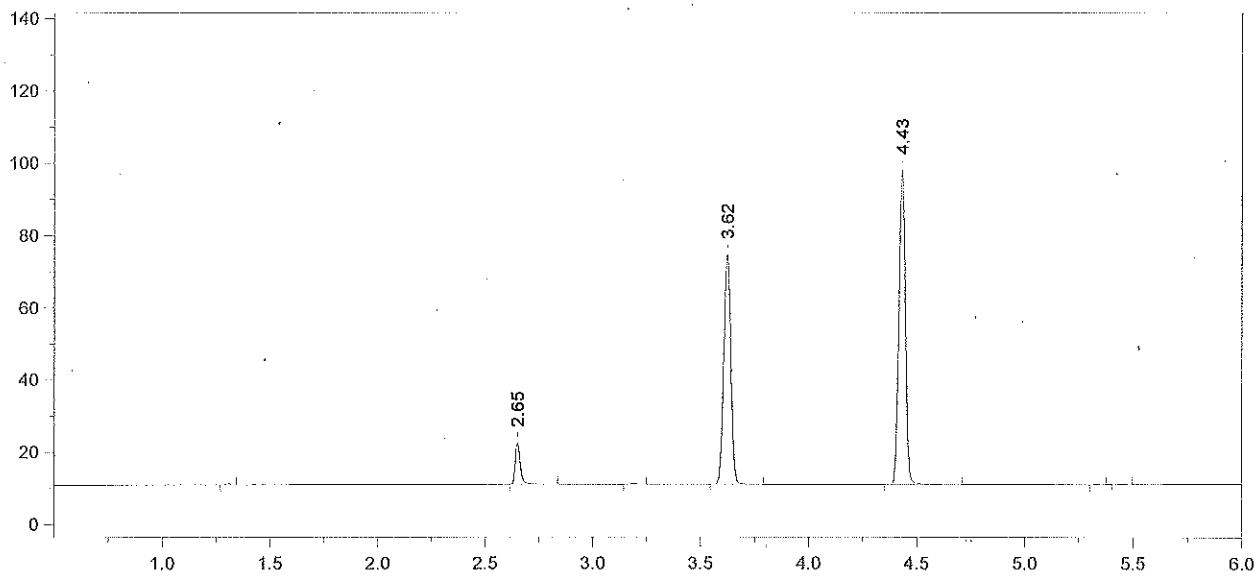


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:05 PM
Bound File Name = SIM01272015.0003.RAW
Sample Name = Std A
Date Taken = 1/27/2015 10:23:30 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	04958	0.0050
6	3.63	t-Butanol	145185	0.9869
7	4.44	n-Propanol	189725	1.0000

15-04-080 47 AB

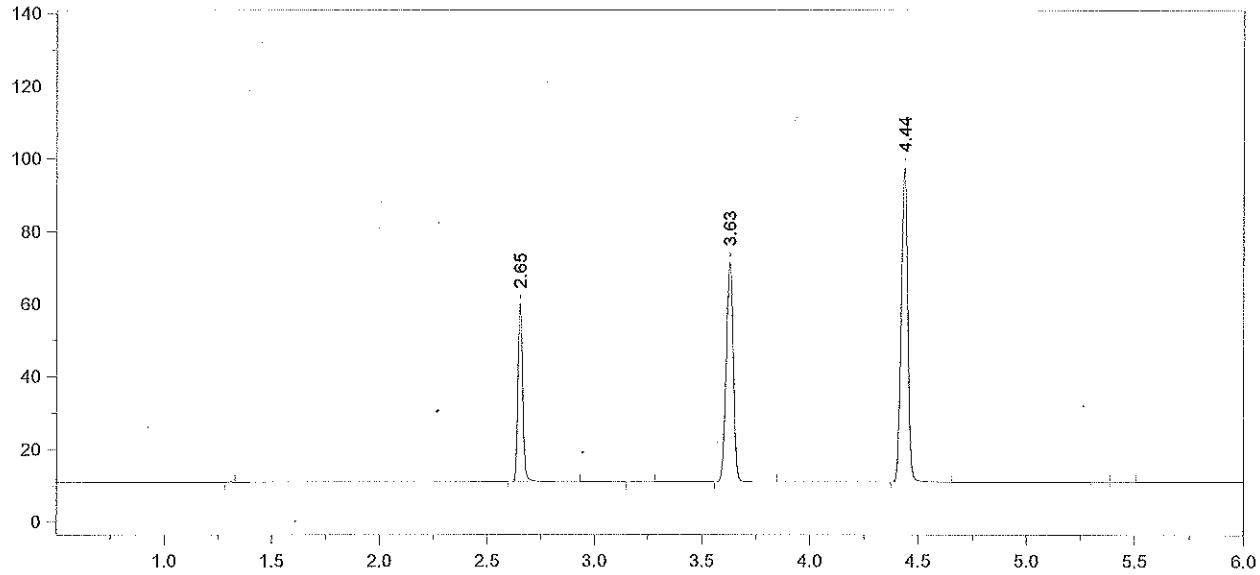


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:11 PM
Bound File Name = SIM01272015.0004.RAW
Sample Name = Std B
Date Taken = 1/27/2015 10:40:46 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	18677	0.0193
4	3.62	t-Butanol	147538	1.0218
5	4.43	n-Propanol	186219	1.0000

15-04-080 48 AB

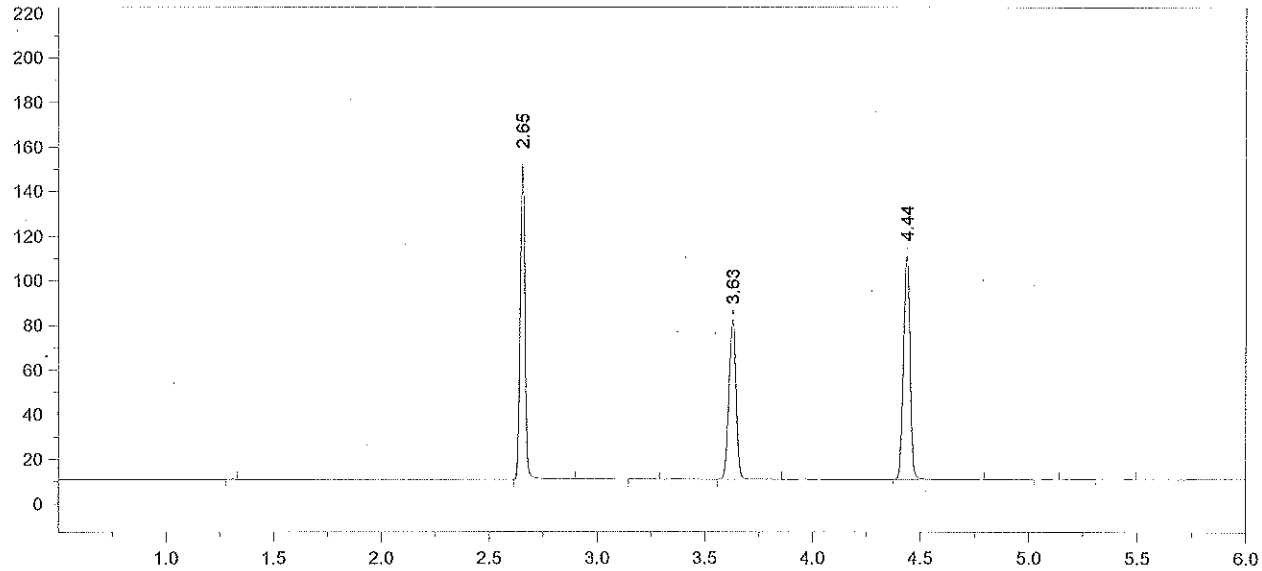


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:17 PM
Bound File Name = SIM01272015.0005.RAW
Sample Name = Std C
Date Taken = 1/27/2015 10:54:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76231	0.0798
4	3.63	t-Butanol	140621	0.9871
5	4.44	n-Propanol	183717	1.0000

15-04-080 49 AB

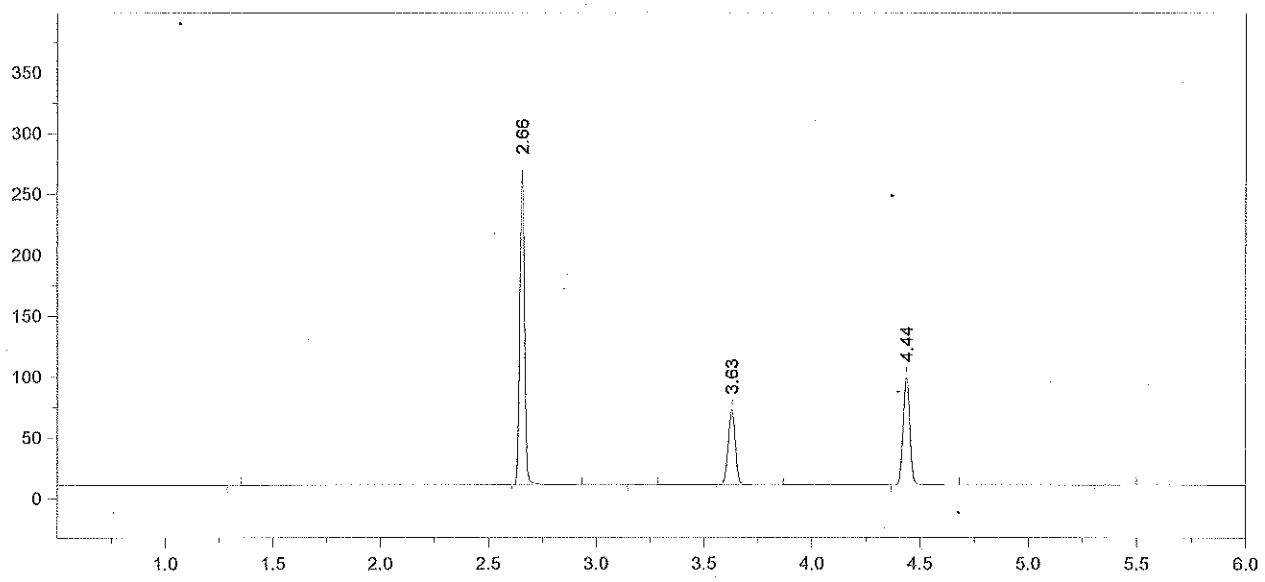


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:23 PM
Bound File Name = SIM01272015.0006.RAW
Sample Name = Std D
Date Taken = 1/27/2015 11:10:28 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	217110	0.1955
4	3.63	t-Butanol	166629	1.0063
5	4.44	n-Propanol	213547	1.0000

15-04-080 SD AB

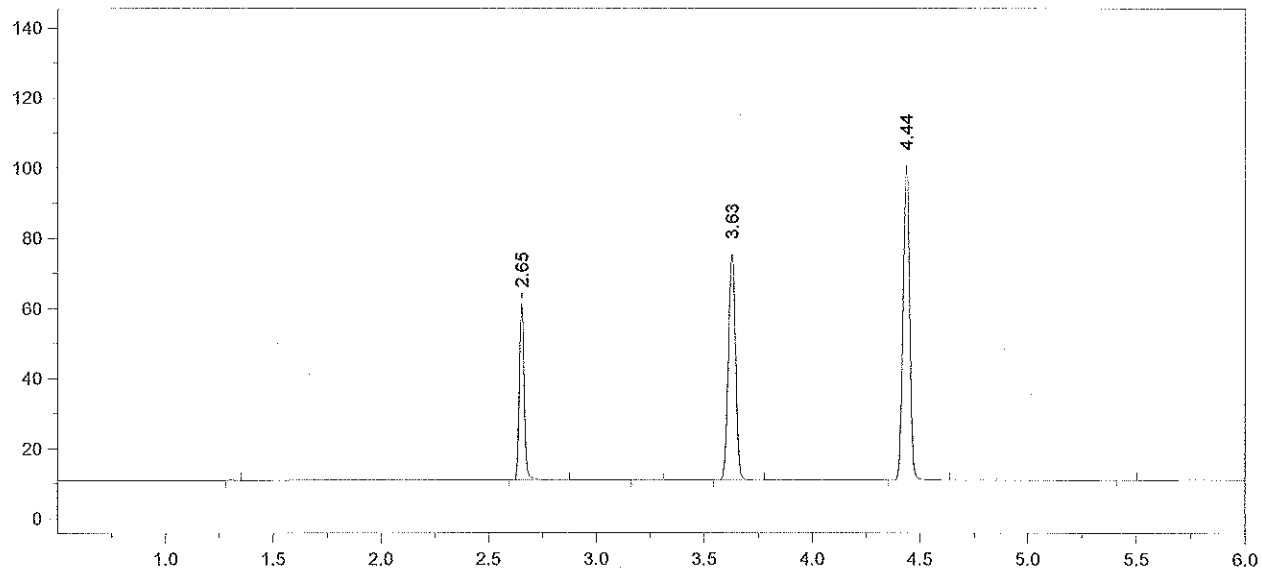


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 1:54:28 PM
Bound File Name = SIM01272015.0007.RAW
Sample Name = Std E
Date Taken = 1/27/2015 11:26:29 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	394895	0.4023
4	3.63	t-Butanol	142545	0.9741
5	4.44	n-Propanol	188719	1.0000

15-04-080 51 AB

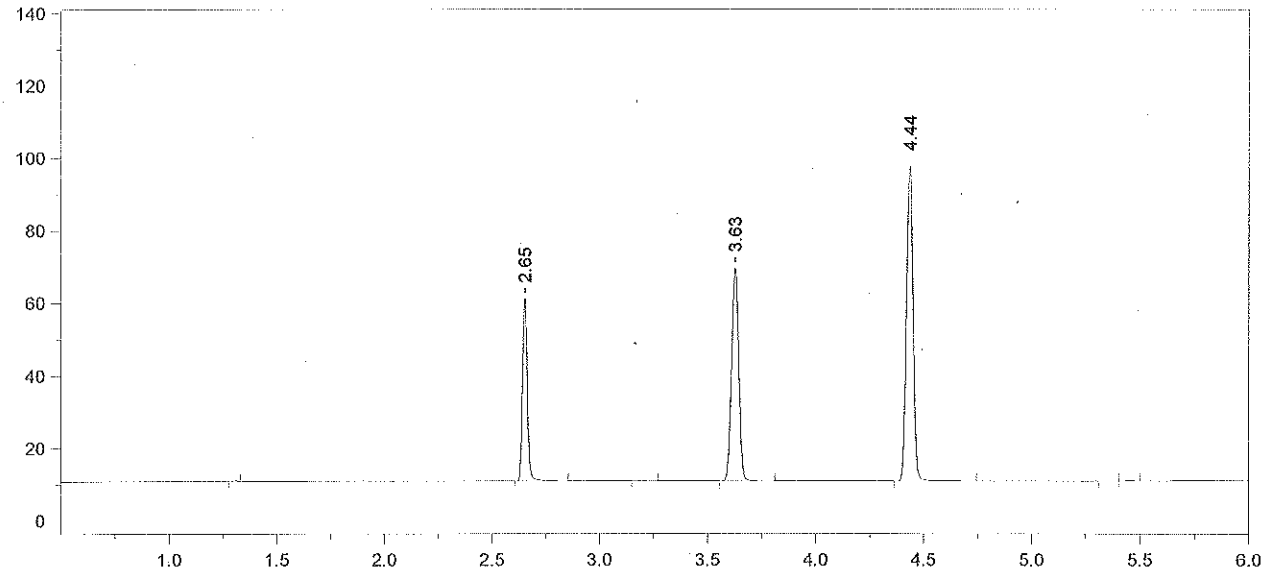


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 11:42:07 AM
Bound File Name = SIM01272015.0008.RAW
Sample Name = AQ QC
Date Taken = 1/27/2015 11:42:02 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78525	0.0791
4	3.63	t-Butanol	150087	1.0142
5	4.44	n-Propanol	190853	1.0000

15-04-080 52 AB



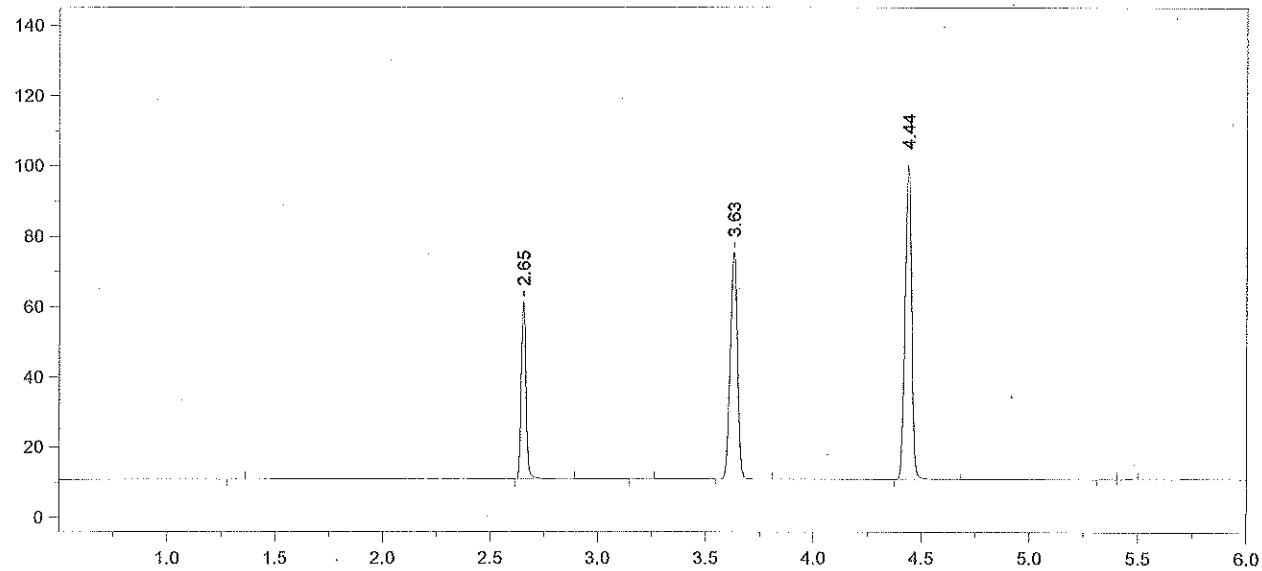
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 11:56:55 AM
Bound File Name = SIM01272015.0009.RAW
Sample Name = AQ QC
Date Taken = 1/27/2015 11:56:51 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78260	0.0812
4	3.63	t-Butanol	136513	0.9498
5	4.44	n-Propanol	185354	1.0000

Avg vals 8+9 = 0.080
1/28/15 AB

15-04-080 53 AB

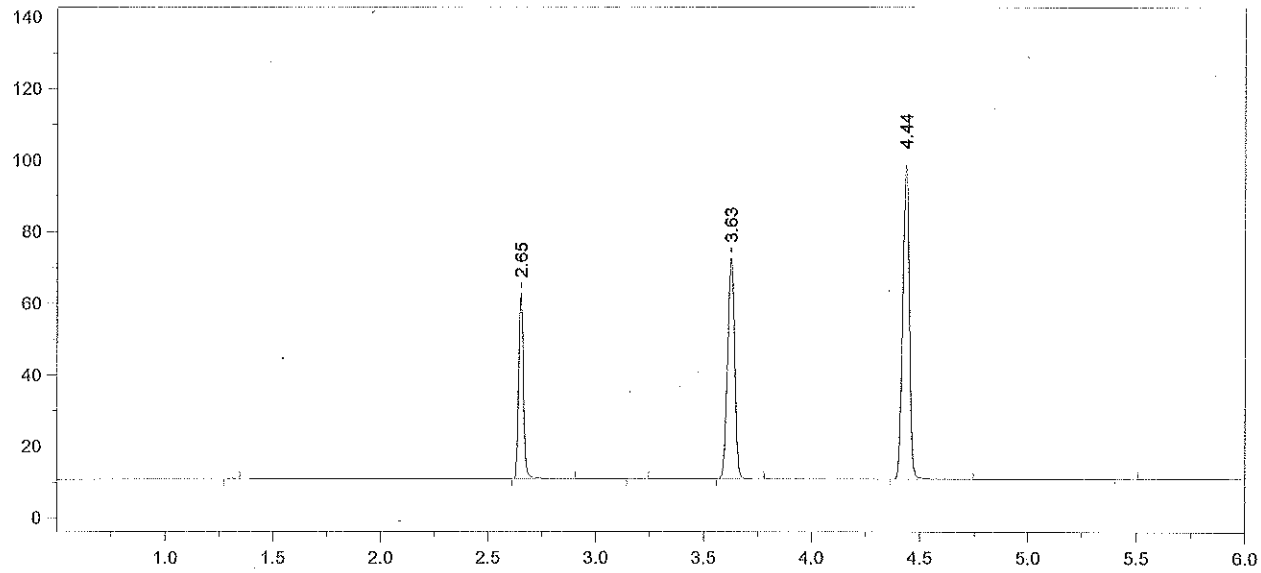


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 12:13:30 PM
Bound File Name = SIM01272015.0010.RAW
Sample Name = CCS
Date Taken = 1/27/2015 12:13:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79091	0.0800
4	3.63	t-Butanol	149898	1.0169
5	4.44	n-Propanol	190114	1.0000

15-04-080 54 AB



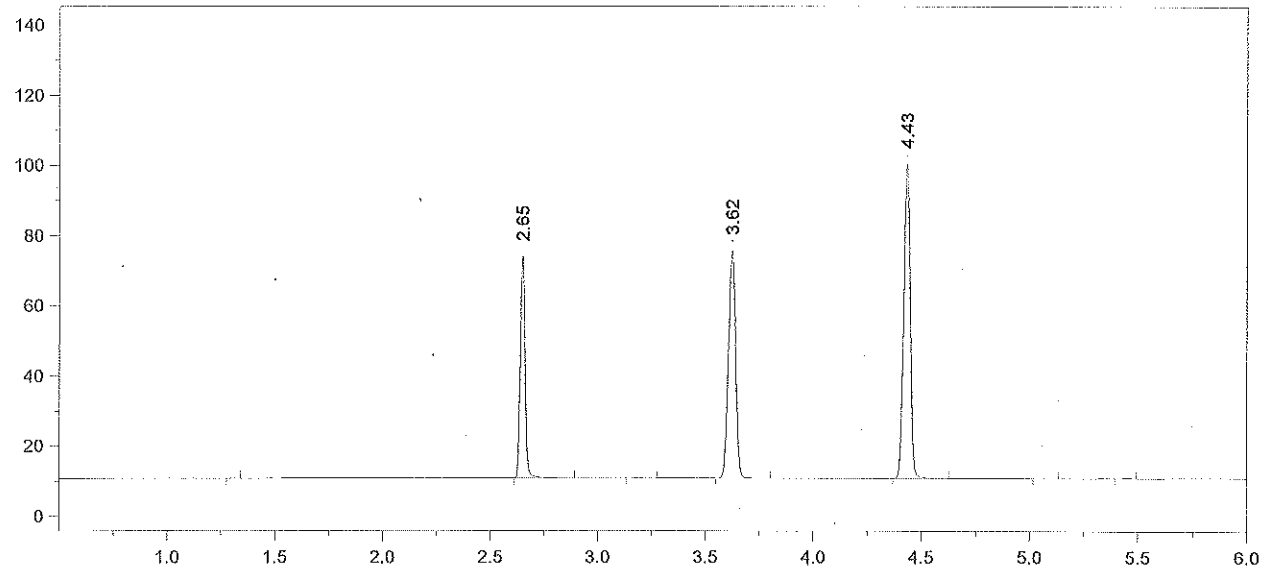
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 12:28:04 PM
Bound File Name = SIM01272015.0011.RAW
Sample Name = CCS
Date Taken = 1/27/2015 12:28:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80585	0.0823
4	3.63	t-Butanol	142845	0.9784
5	4.44	n-Propanol	188284	1.0000

Avg vals 10 + 11 = 0.081
1/28/15 AB

15-04-080 55 AB

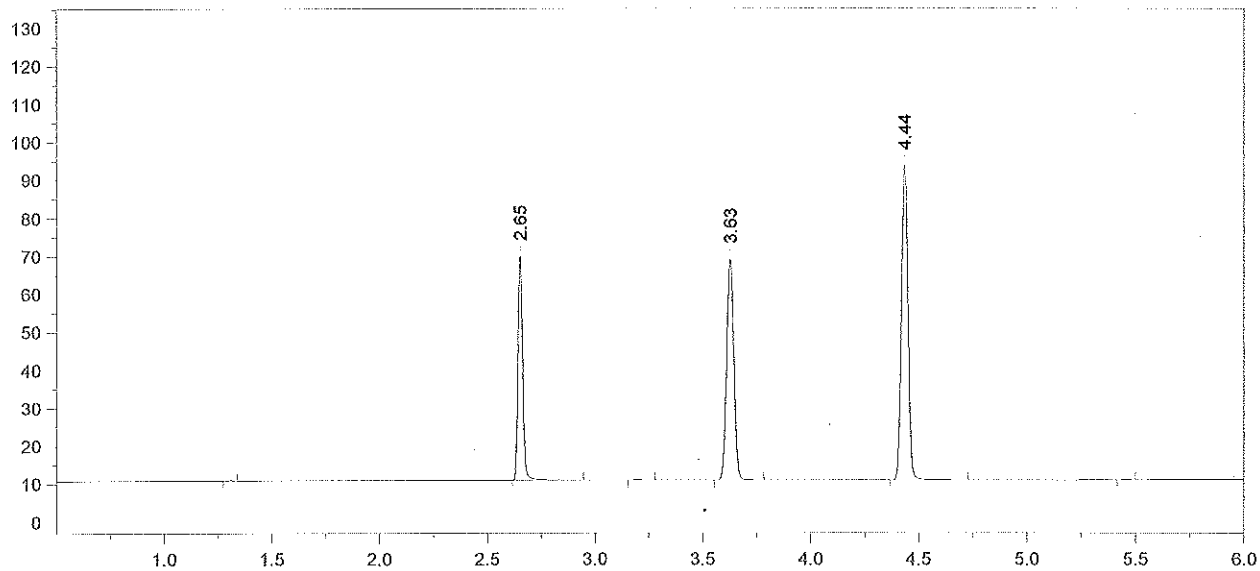


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015
Today's Time = 12:44:55 PM
Bound File Name = SIM01272015.0012.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 12:44:51 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98363	0.0987	0.0806
4	3.62	t-Butanol	150327	1.0120	0.8260
5	4.43	n-Propanol	191574	1.0000	0.8162

15-04-080 56 AB

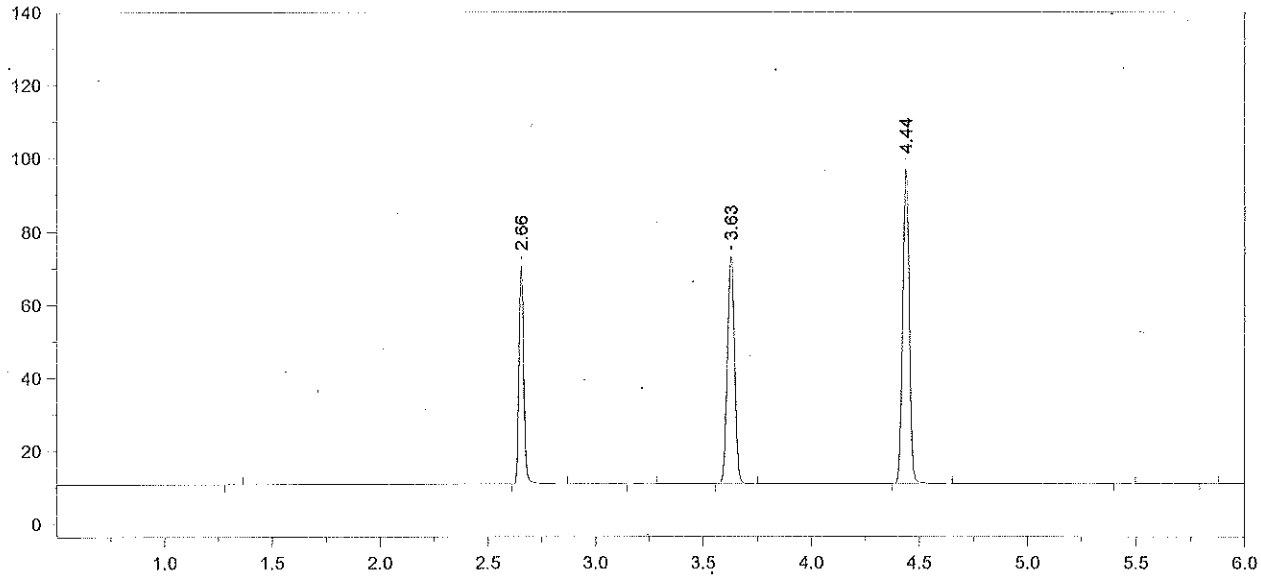


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015
Today's Time = 12:59:56 PM
Bound File Name = SIM01272015.0013.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 12:59:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	92085	0.1000	0.0816
4	3.63	t-Butanol	135499	0.9869	0.8055
5	4.44	n-Propanol	177061	1.0000	0.8162

15-04-080 57 AB

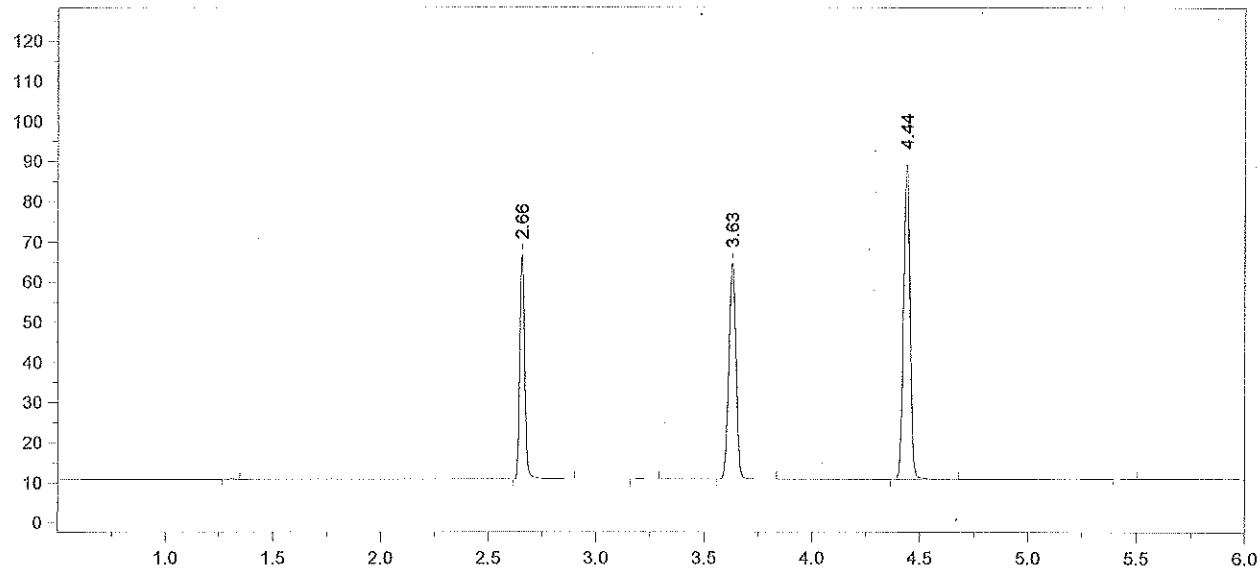


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 1:16:23 PM
Bound File Name = SIM01272015.0014.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 1:16:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	93159	0.0979	0.0799
4	3.63	t-Butanol	144350	1.0180	0.8309
5	4.44	n-Propanol	182872	1.0000	0.8162

15-04-080 58 AB

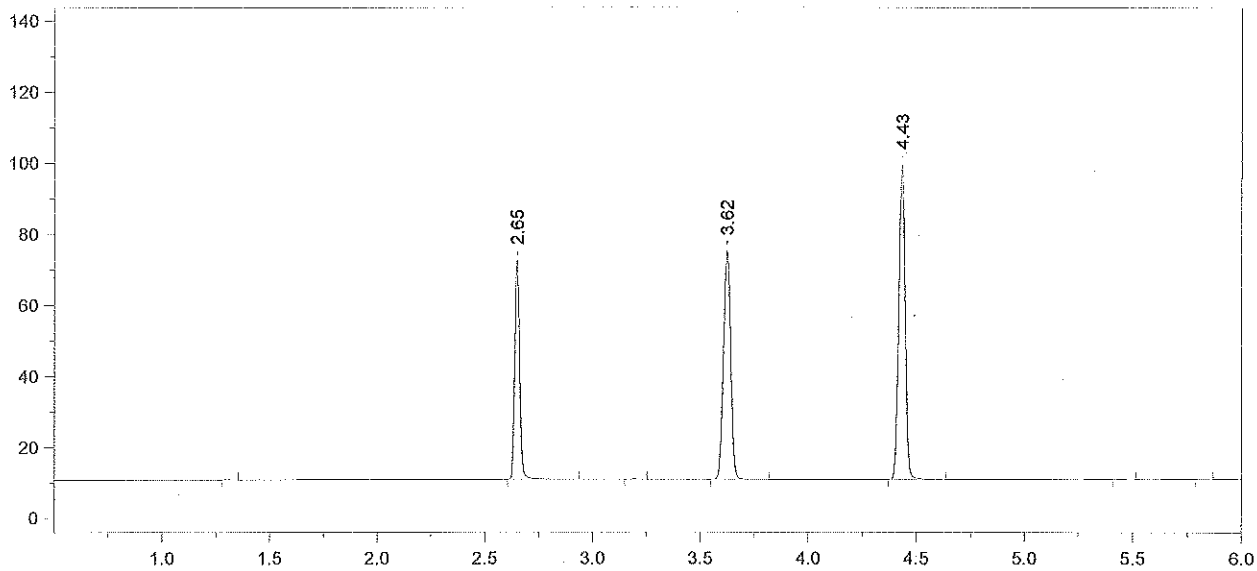


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 1:31:21 PM
Bound File Name = SIM01272015.0015.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 1:31:13 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	87742	0.1011	0.0825
4	3.63	t-Butanol	124661	0.9638	0.7866
5	4.44	n-Propanol	166814	1.0000	0.8162

15-04-080 59 AB

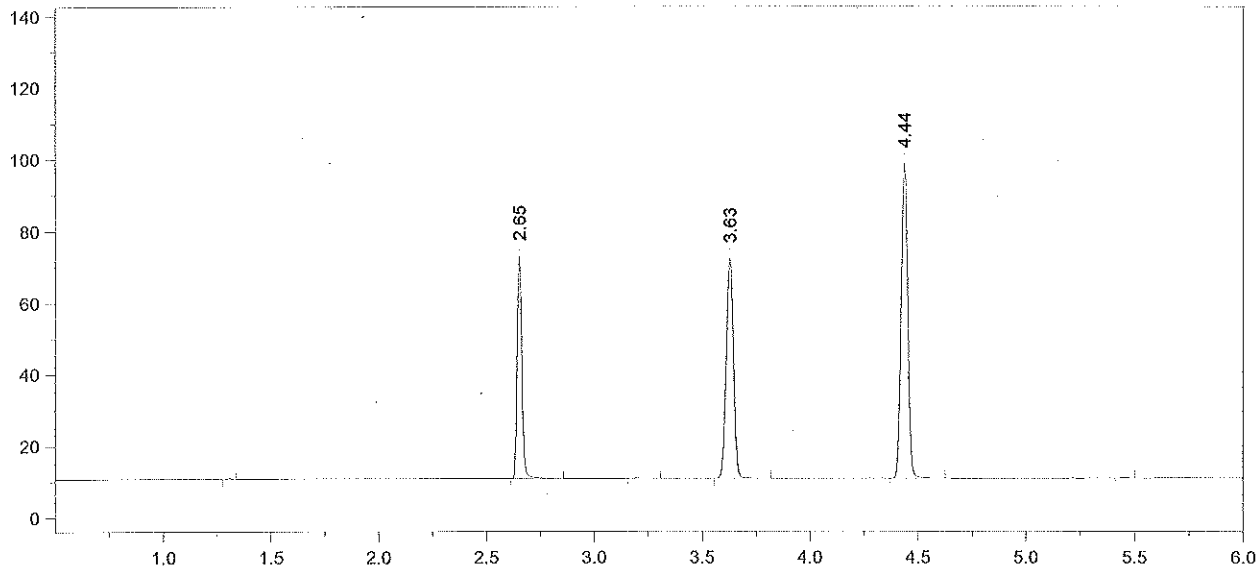


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 1:47:44 PM
Bound File Name = SIM01272015.0016.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 1:47:40 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95637	0.0977	0.0798
4	3.62	t-Butanol	149337	1.0238	0.8356
5	4.43	n-Propanol	188122	1.0000	0.8162

15-04-080 60 AB

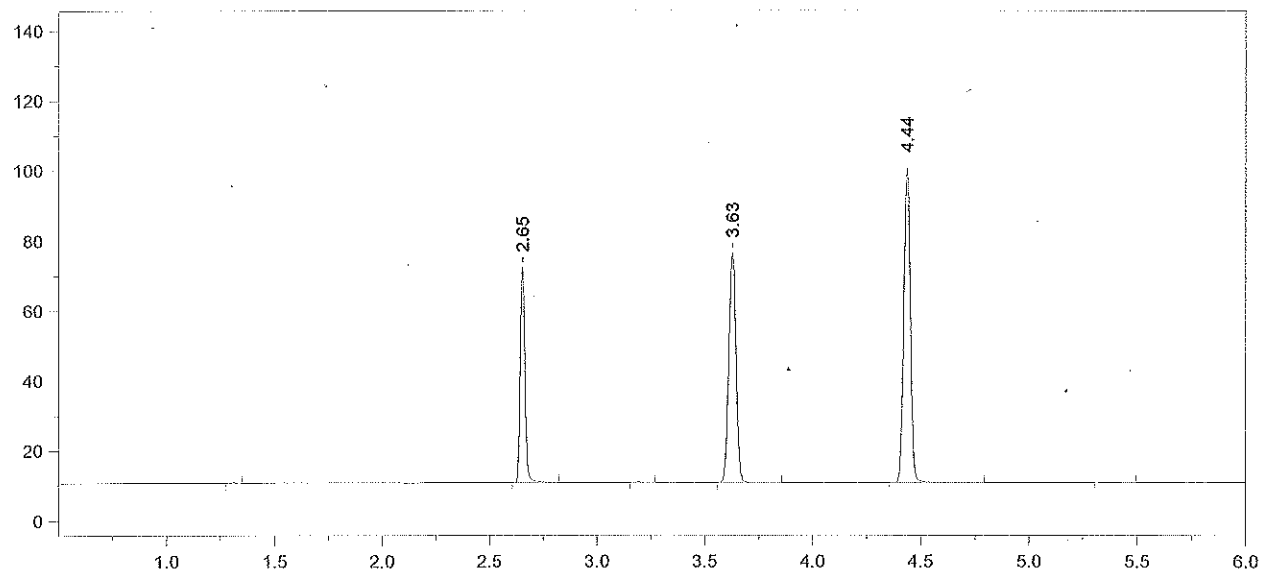


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015
Today's Time = 2:02:04 PM
Bound File Name = SIM01272015.0017.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 2:01:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	96087	0.0991	0.0809
4	3.63	t-Butanol	142738	0.9872	0.8058
5	4.44	n-Propanol	186462	1.0000	0.8162

15-04-080 61 AB

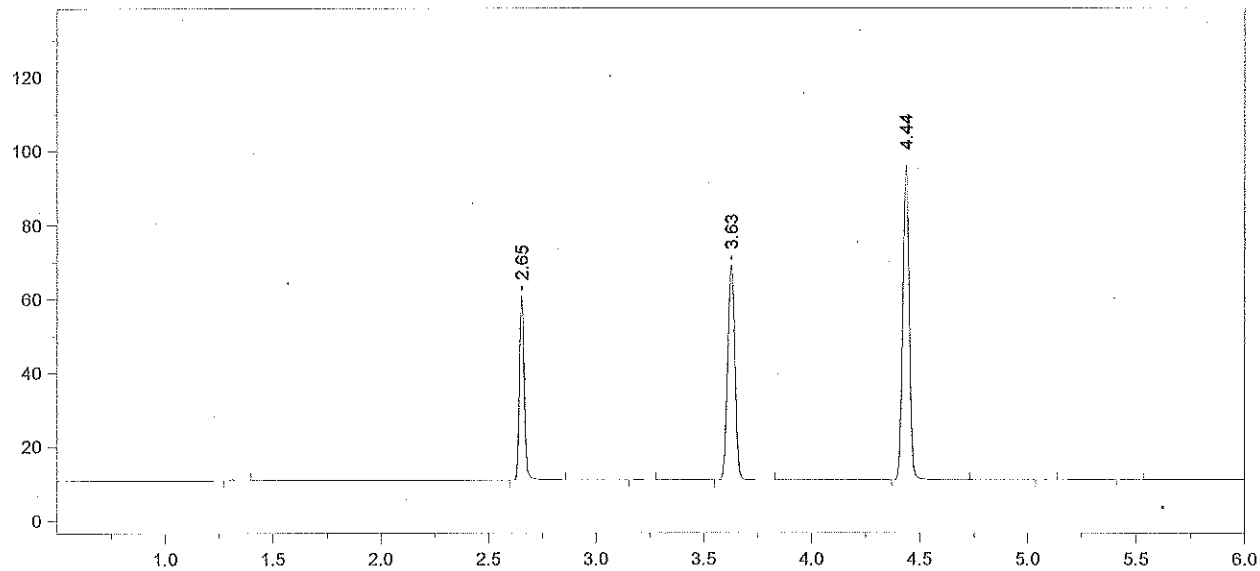


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 2:19:15 PM
Bound File Name = SIM01272015.0018.RAW
Sample Name = 0.08 ALB
Date Taken = 1/27/2015 2:19:07 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95411	0.0956	0.0780
4	3.63	t-Butanol	152211	1.0231	0.8351
5	4.44	n-Propanol	191869	1.0000	0.8162

15-04-080 62 AB

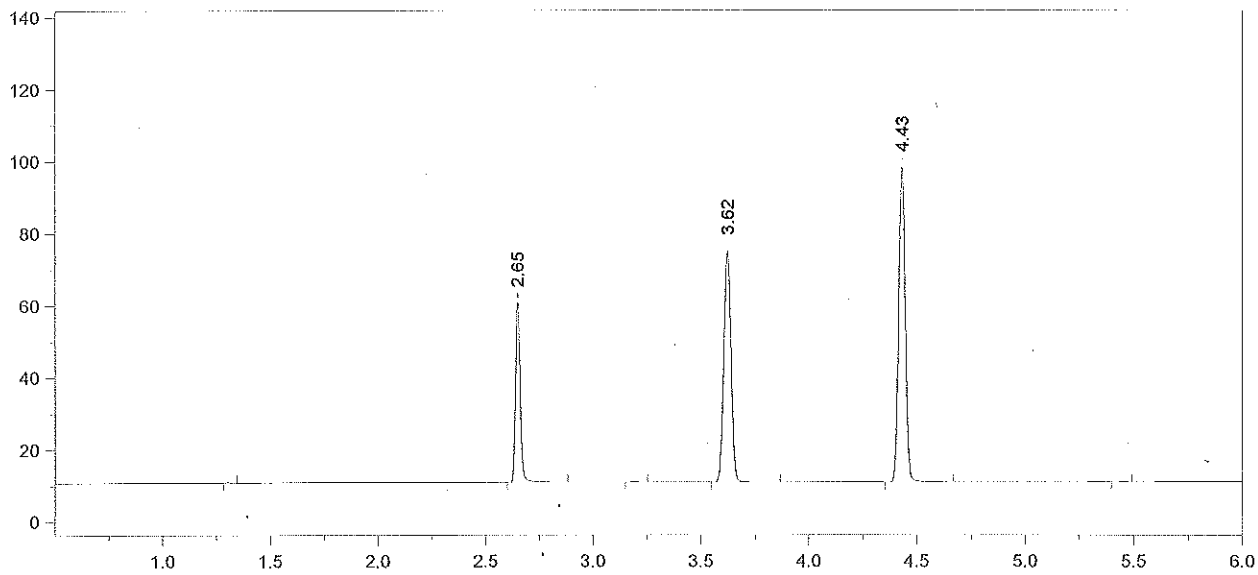


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 2:33:19 PM
Bound File Name = SIM01272015.0019.RAW
Sample Name = CCS
Date Taken = 1/27/2015 2:33:12 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77412	0.0823
4	3.63	t-Butanol	135351	0.9652
5	4.44	n-Propanol	180860	1.0000

15-04-080 63 AB



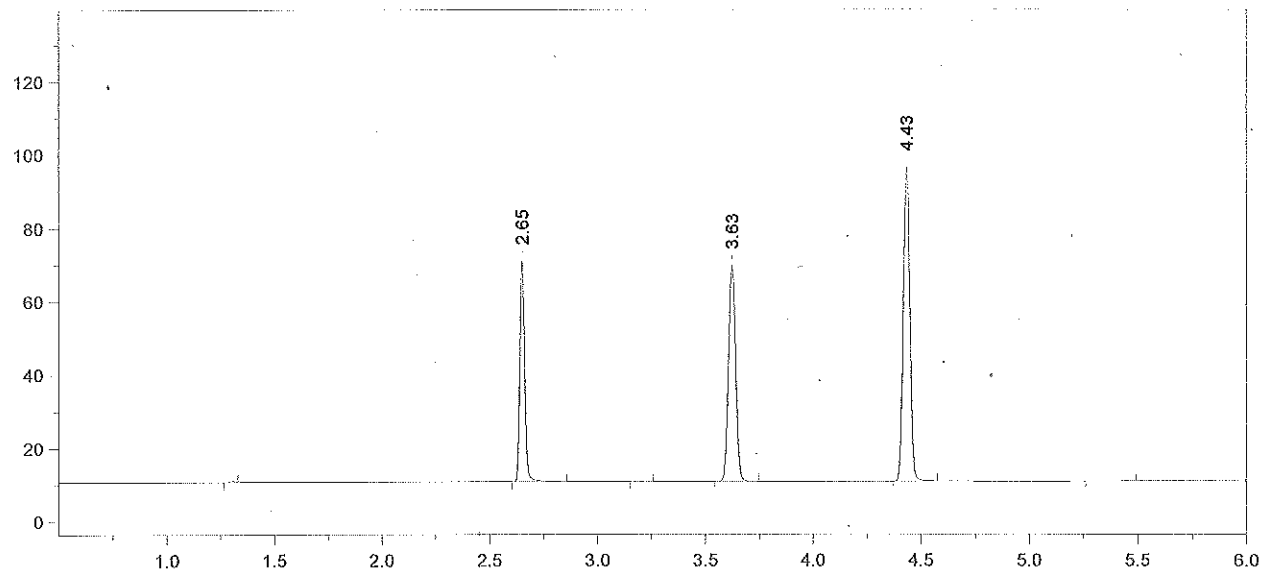
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 2:50:36 PM
Bound File Name = SIM01272015.0020.RAW
Sample Name = CCS
Date Taken = 1/27/2015 2:50:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77923	0.0801
4	3.62	t-Butanol	149095	1.0284
5	4.43	n-Propanol	186966	1.0000

Avg vals 19+20 = 0.081
1/28/15 AB

15-04-080 by AB

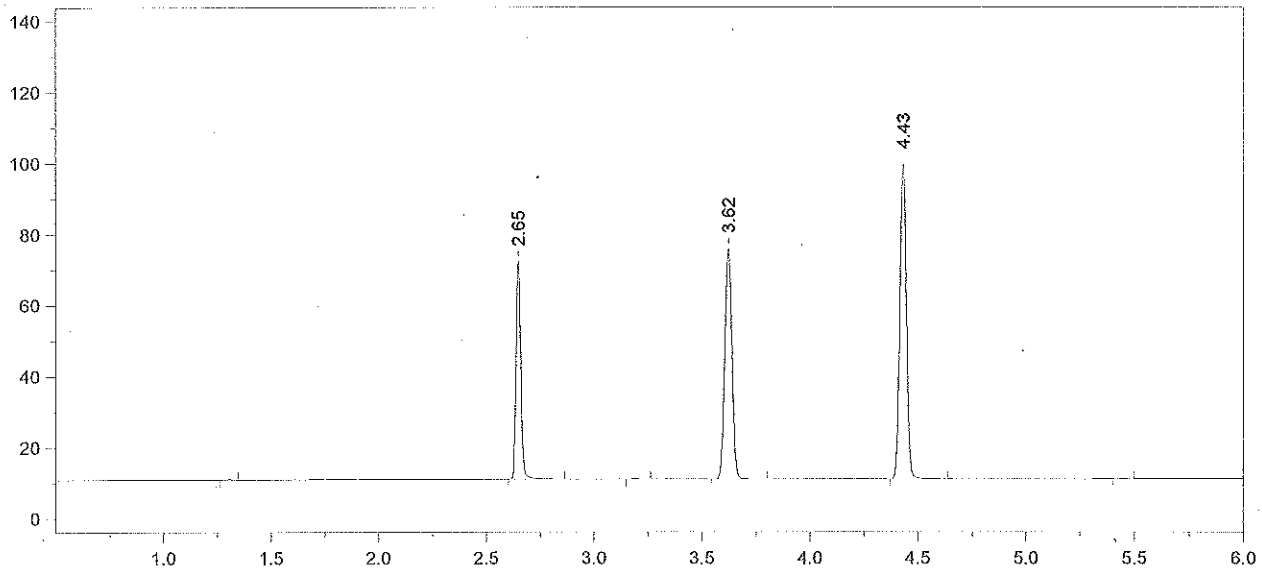


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015
Today's Time = 3:04:33 PM
Bound File Name = SIM01272015.0021.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 3:04:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93354	0.0988	0.0806
4	3.63	t-Butanol	137460	0.9756	0.7963
5	4.43	n-Propanol	181714	1.0000	0.8162

15-04-080 65 AB

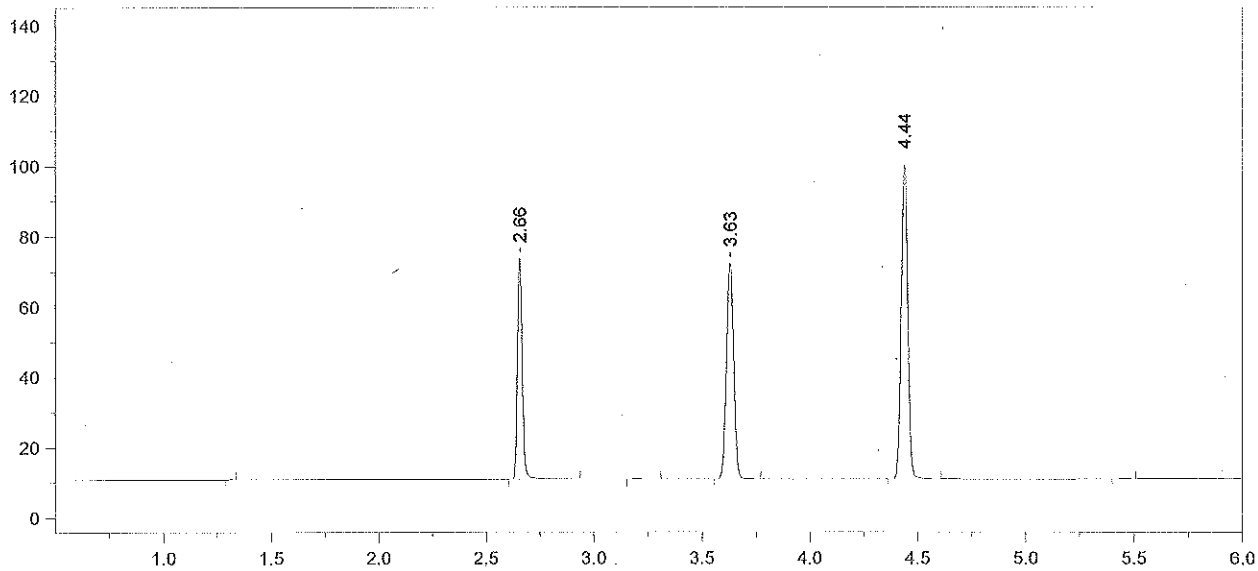


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 3:22:03 PM
Bound File Name = SIM01272015.0022.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 3:21:58 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95174	0.0965	0.0787
4	3.62	t-Butanol	150608	1.0240	0.8358
5	4.43	n-Propanol	189679	1.0000	0.8162

15-04-080 66 AB

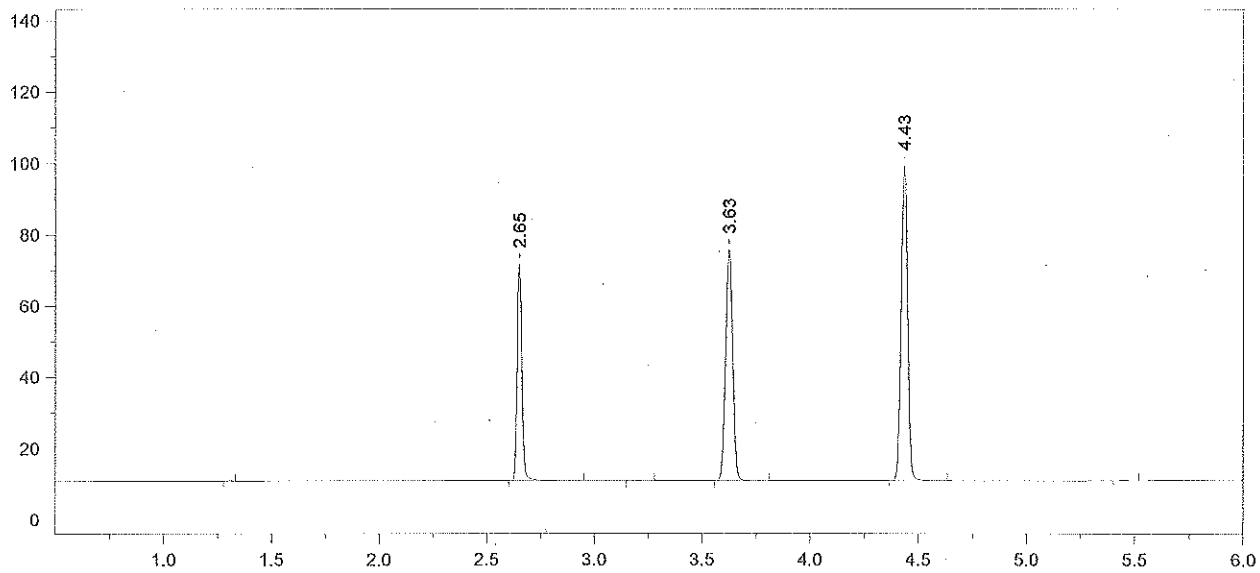


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 3:35:56 PM
Bound File Name = SIM01272015.0023.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 3:35:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	97740	0.0991	0.0809
4	3.63	t-Butanol	142505	0.9694	0.7912
5	4.44	n-Propanol	189589	1.0000	0.8162

15-04-080 67 AB

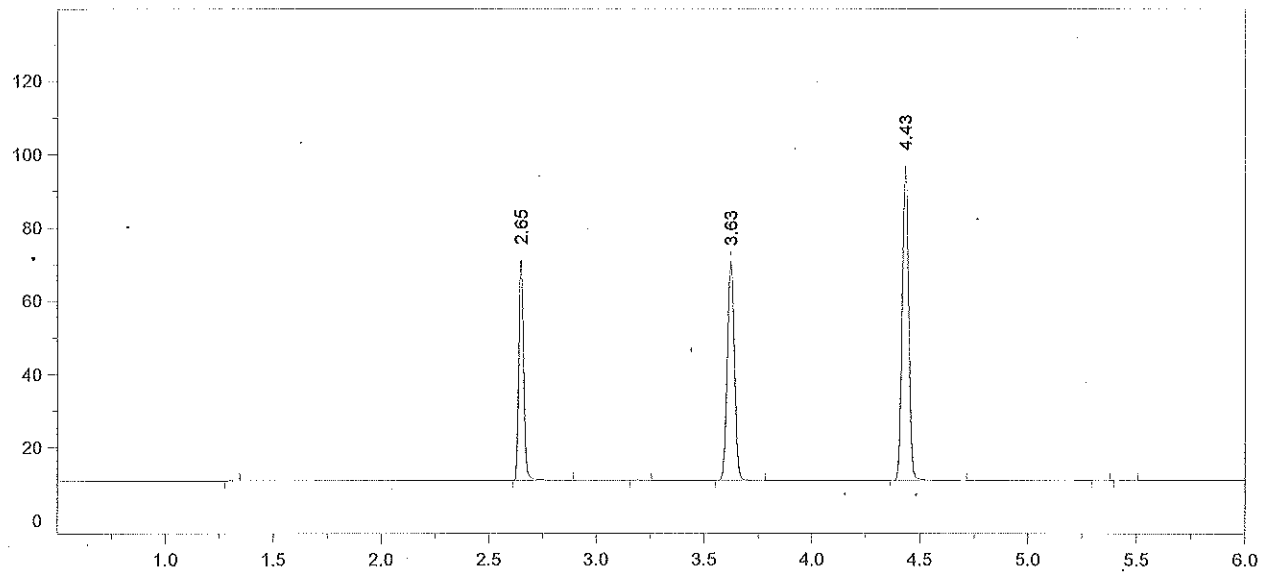


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 3:53:29 PM
Bound File Name = SIM01272015.0024.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 3:53:22 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	95062	0.0969	0.0791
4	3.63	t-Butanol	150369	1.0281	0.8391
5	4.43	n-Propanol	188632	1.0000	0.8162

15-04-080 68 AB

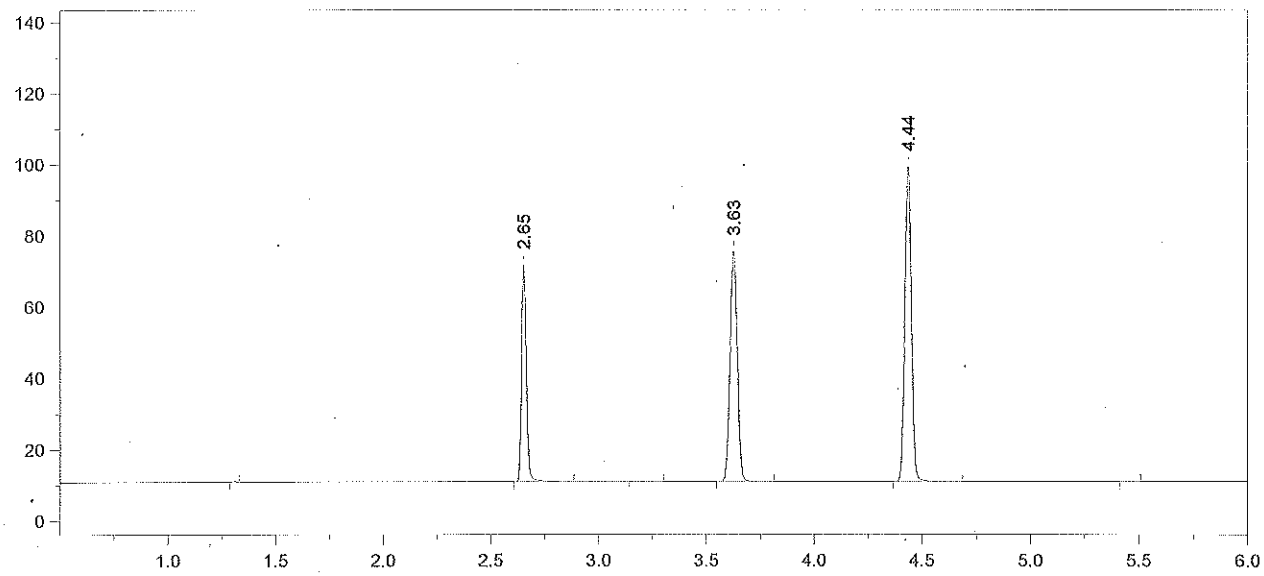


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 4:07:20 PM
Bound File Name = SIM01272015.0025.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 4:07:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93732	0.0985	0.0804
4	3.63	t-Butanol	139034	0.9801	0.8000
5	4.43	n-Propanol	182940	1.0000	0.8162

15-04-080 69 AB

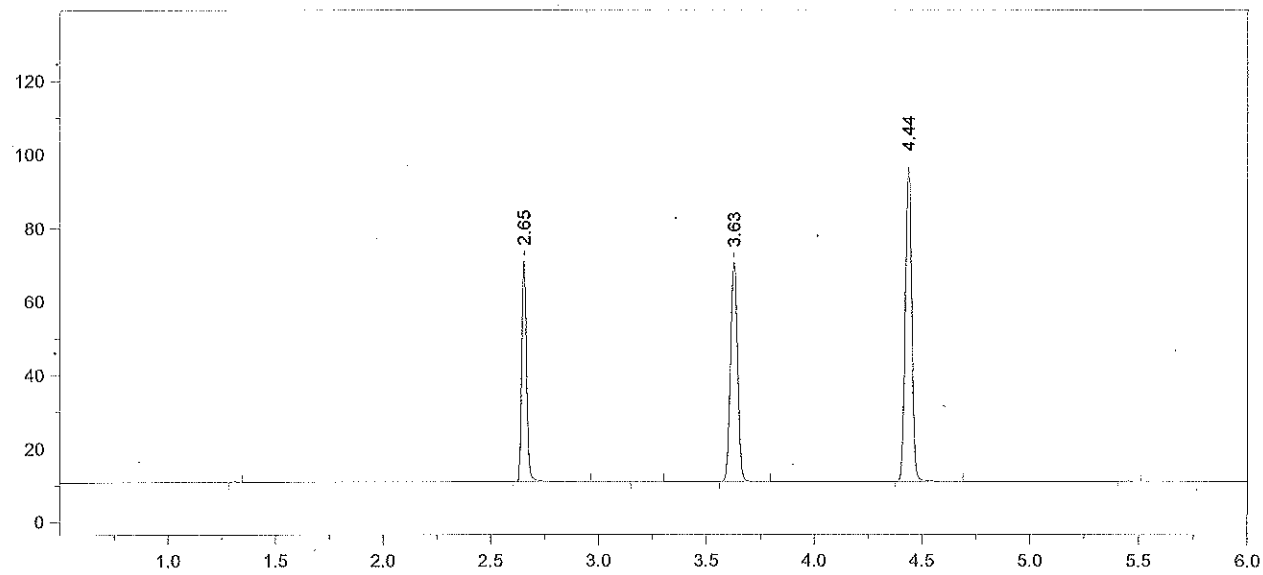


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 4:24:56 PM
Bound File Name = SIM01272015.0026.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 4:24:46 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94370	0.0965	0.0787
4	3.63	t-Butanol	150312	1.0306	0.8412
5	4.44	n-Propanol	188098	1.0000	0.8162

15-04-080 70 AB

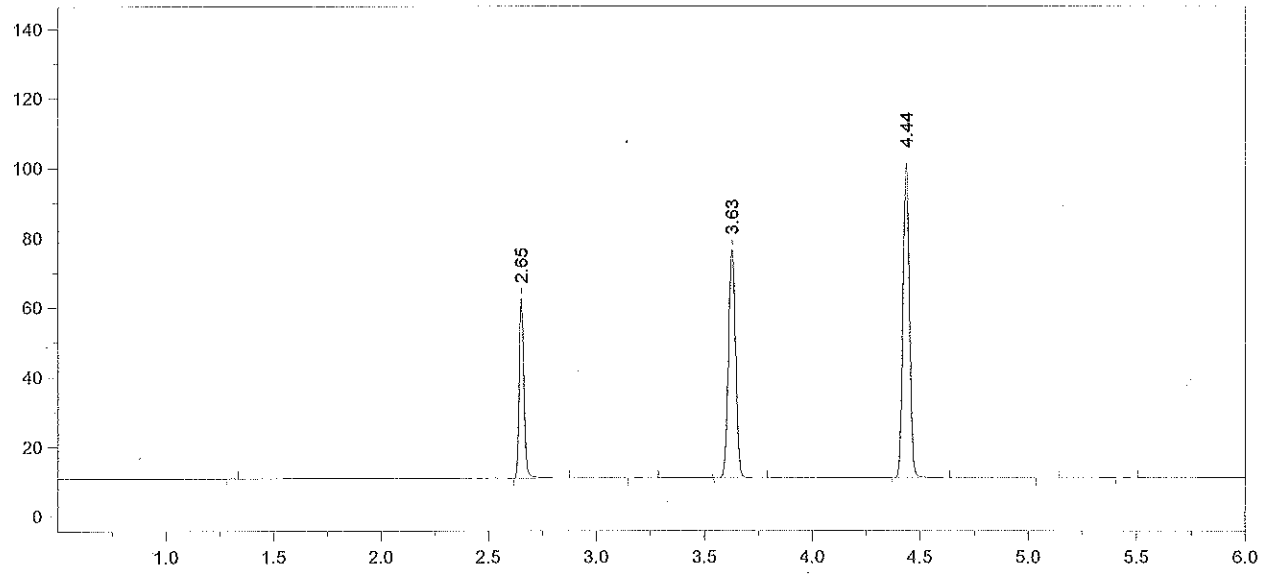


Format File Name = simsolnVFL.met.FMT

Today's Date = 1/27/2015 Today's Time = 4:38:59 PM
Bound File Name = SIM01272015.0027.RAW
Sample Name = 0.08 RLM
Date Taken = 1/27/2015 4:38:52 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	93660	0.0989	0.0807
4	3.63	t-Butanol	138725	0.9828	0.8022
5	4.44	n-Propanol	182043	1.0000	0.8162

15-04-080 71 AB

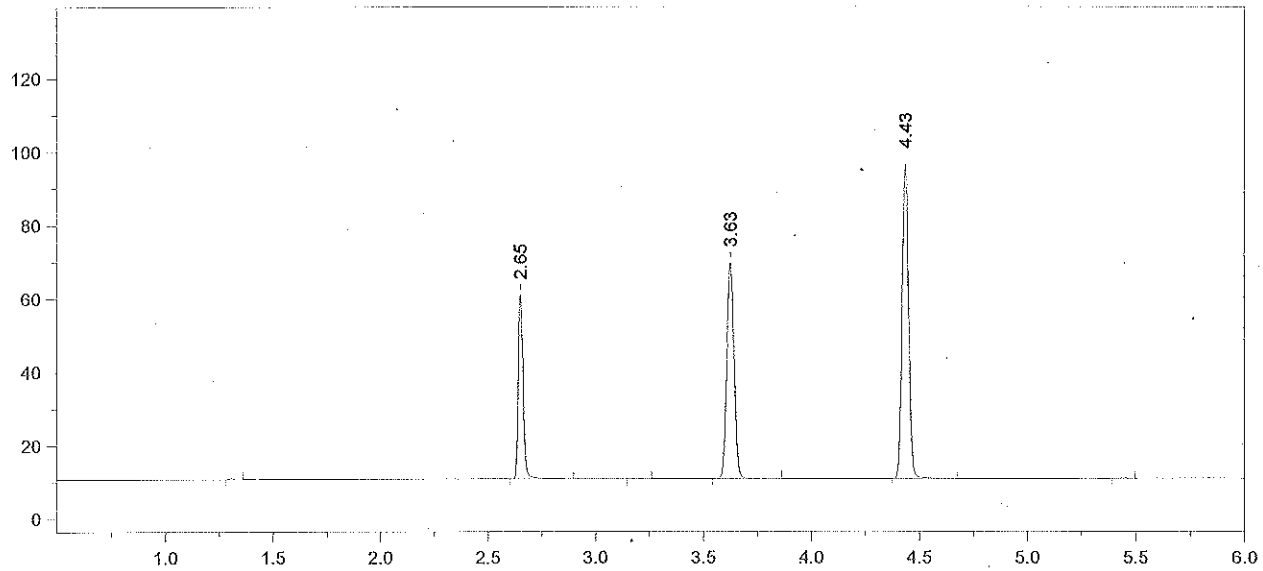


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 4:56:20 PM
Bound File Name = SIM01272015.0028.RAW
Sample Name = CCS
Date Taken = 1/27/2015 4:56:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80305	0.0805
4	3.63	t-Butanol	152180	1.0235
5	4.44	n-Propanol	191758	1.0000

15-04-080 72 AB



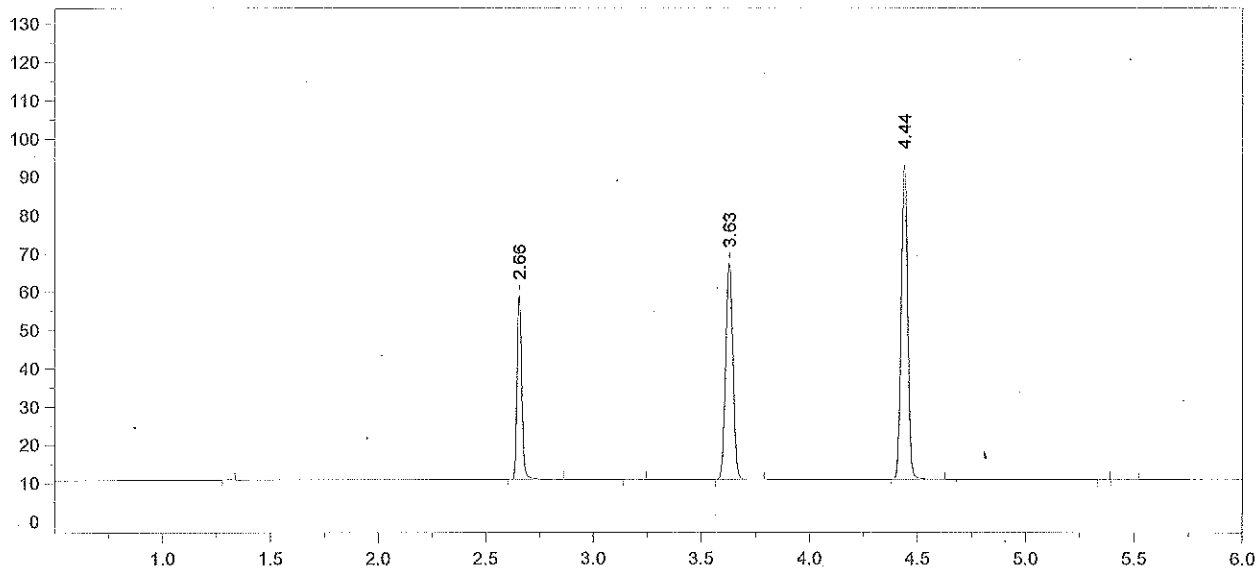
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 5:10:32 PM
Bound File Name = SIM01272015.0029.RAW
Sample Name = CCS
Date Taken = 1/27/2015 5:10:22 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78840	0.0832
4	3.63	t-Butanol	136244	0.9641
5	4.43	n-Propanol	182260	1.0000

Avg vials 28 + 29 = 0.082
1/28/15 AB

15-04-080 73 AB

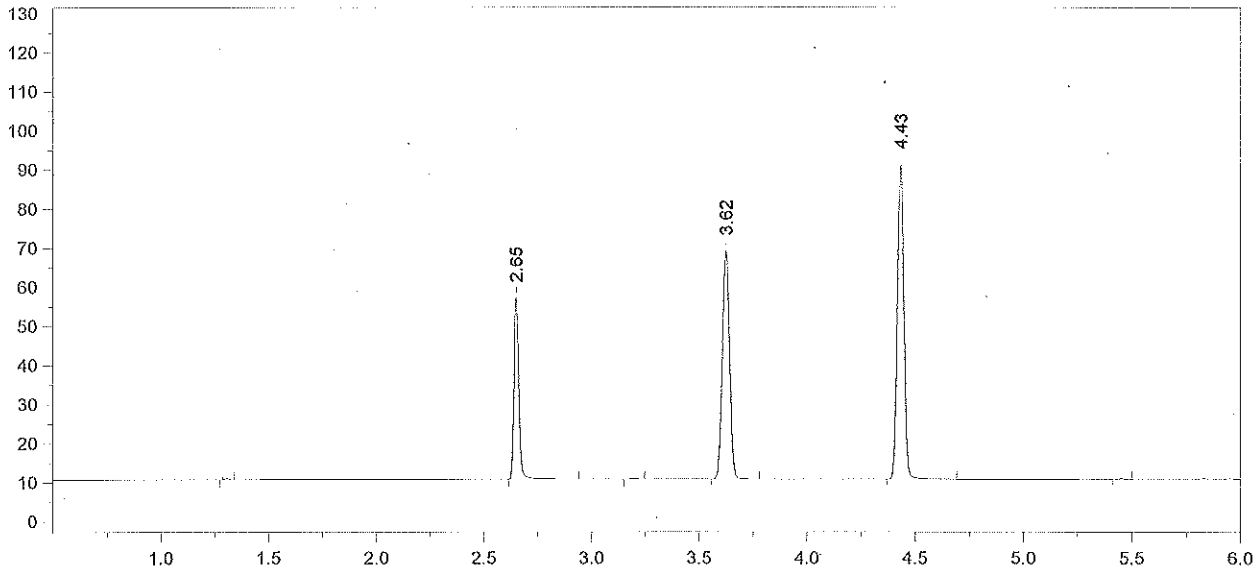


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 7:16:05 PM
Bound File Name = SIM01272015.0037.RAW
Sample Name = CCS
Date Taken = 1/27/2015 7:15:59 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74898	0.0823
4	3.63	t-Butanol	131084	0.9663
5	4.44	n-Propanol	174960	1.0000

15-04-080 74 AB



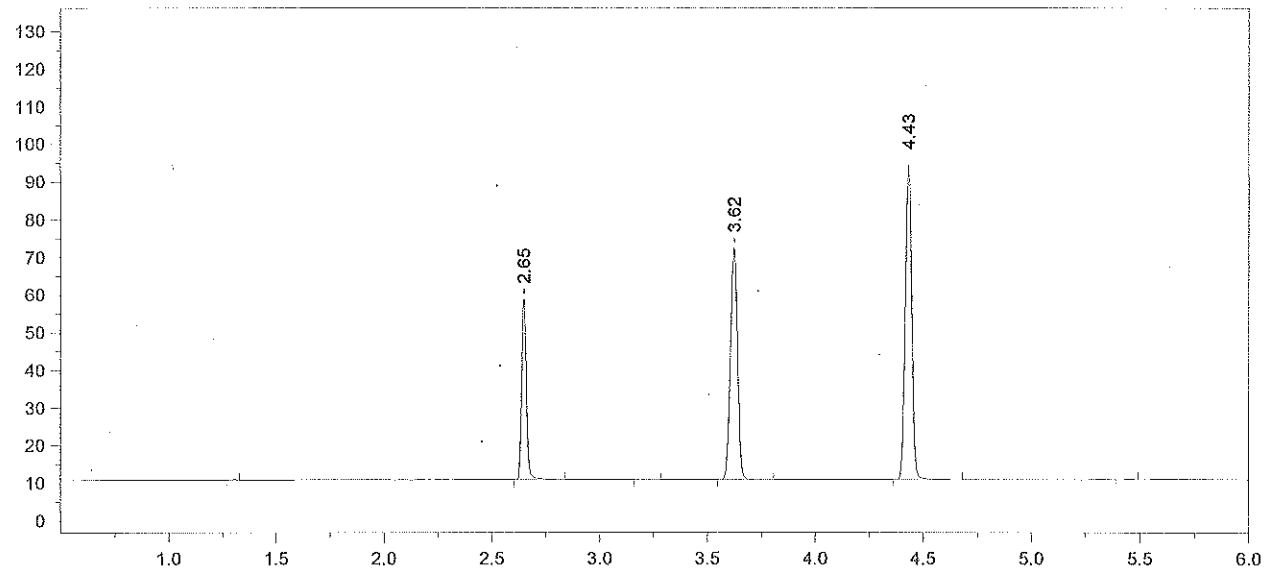
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 7:33:29 PM
Bound File Name = SIM01272015.0038.RAW
Sample Name = CCS
Date Taken = 1/27/2015 7:33:20 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	72553	0.0812
4	3.62	t-Butanol	135944	1.0203
5	4.43	n-Propanol	171832	1.0000

Avg vals 37 + 38 = 0.082
1/28/15 AB

15-04-080 75 AB

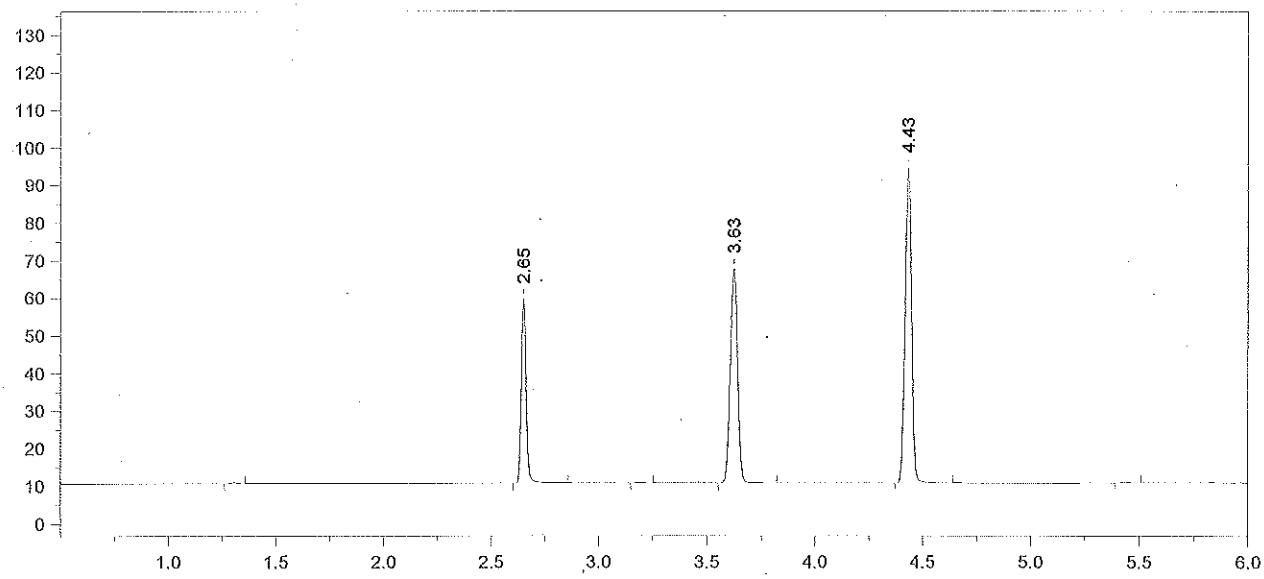


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 9:39:14 PM
Bound File Name = SIM01272015.0046.RAW
Sample Name = CCS
Date Taken = 1/27/2015 9:39:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	74730	0.0802
4	3.62	t-Butanol	142394	1.0247
5	4.43	n-Propanol	179215	1.0000

15-04-080 76 AB



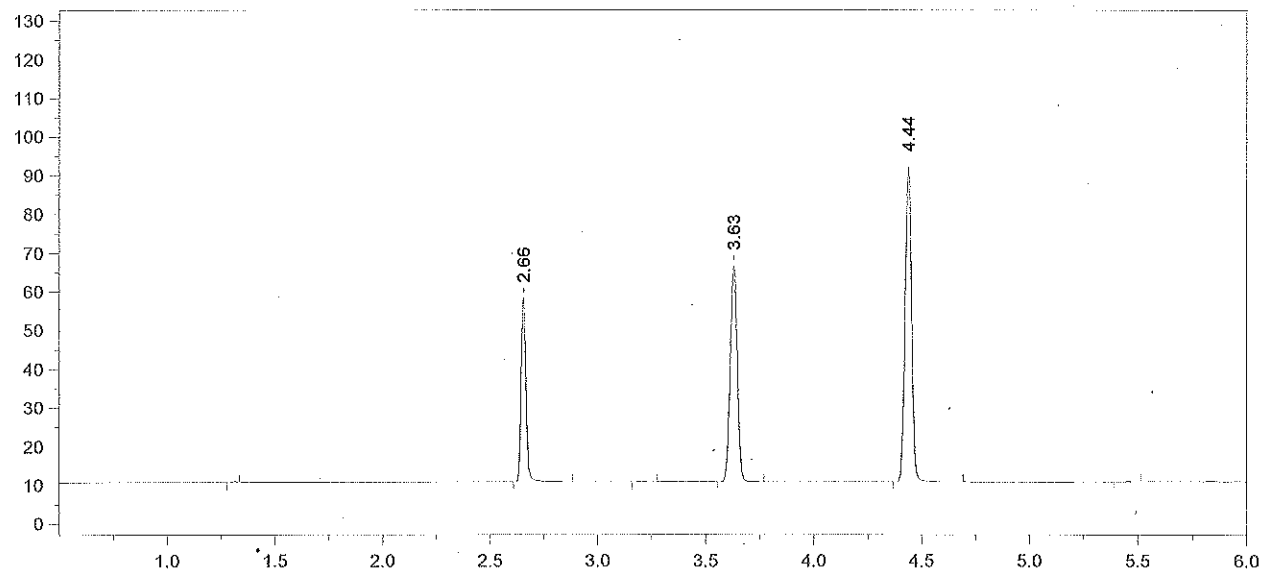
Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 9:53:08 PM
Bound File Name = SIM01272015.0047.RAW
Sample Name = CCS
Date Taken = 1/27/2015 9:53:03 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	76119	0.0824
4	3.63	t-Butanol	132571	0.9628
5	4.43	n-Propanol	177576	1.0000

Avg vals 46 + 47 = 0.081
1/28/15 AB

15-04-080 77 AB

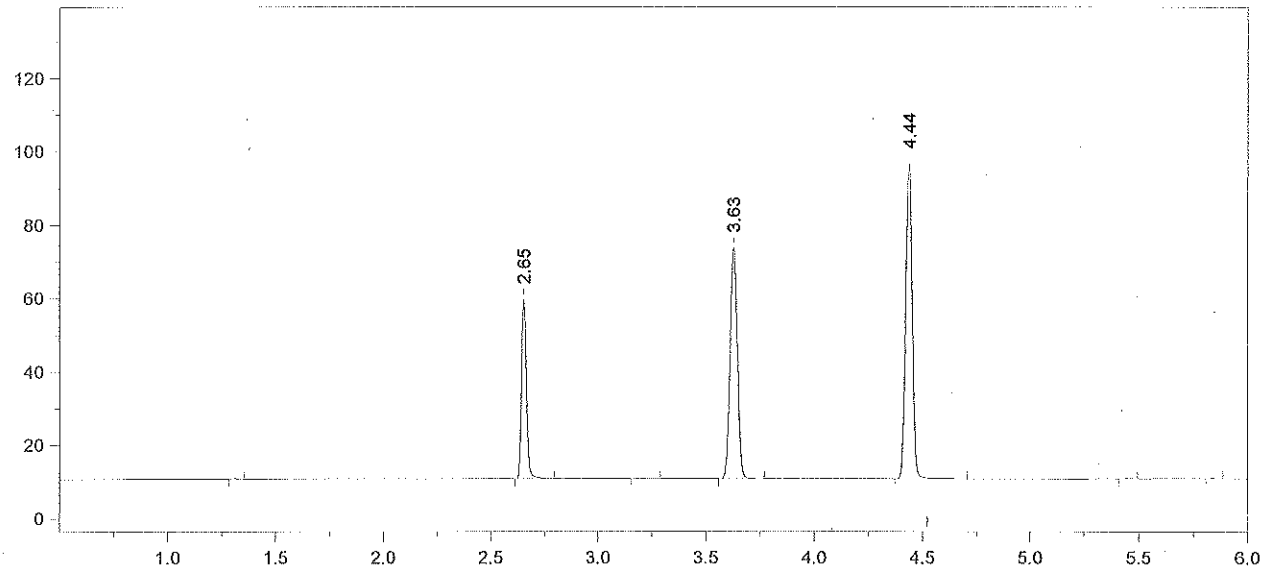


Format File Name = AlcoholVFL.FMT

Today's Date = 1/27/2015
Today's Time = 11:58:10 PM
Bound File Name = SIM01272015.0055.RAW
Sample Name = CCS
Date Taken = 1/27/2015 11:58:05 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74591	0.0829
4	3.63	t-Butanol	129317	0.9634
5	4.44	n-Propanol	173105	1.0000

15-04-080 78 AB



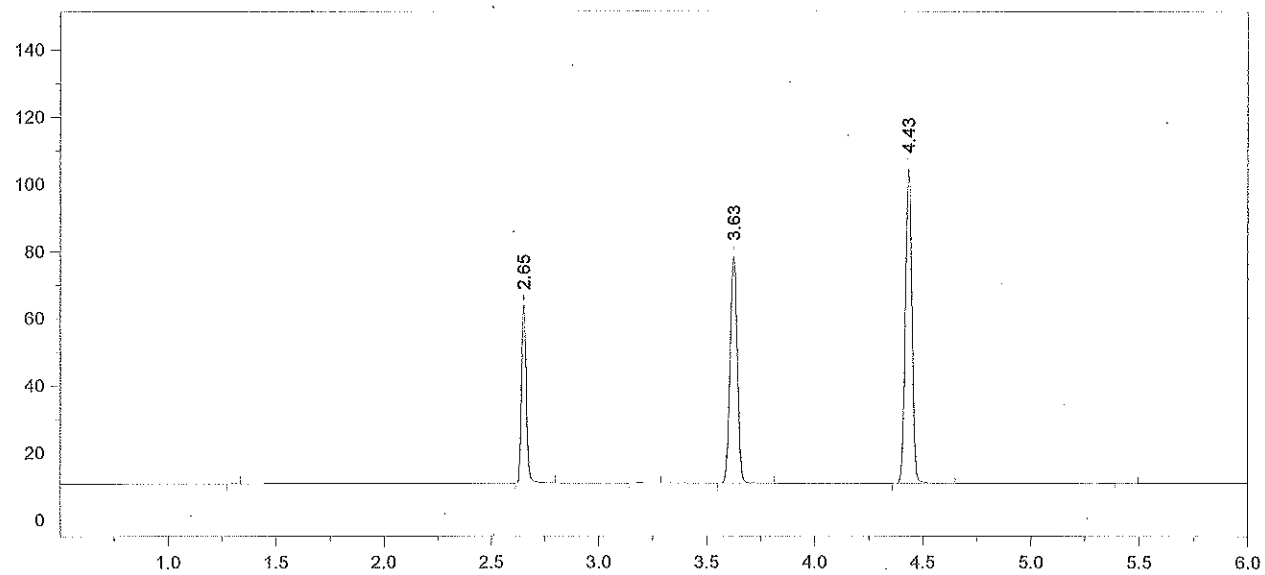
Format File Name = AlcoholVFL.FMT

Today's Date = 1/28/2015
Today's Time = 12:14:51 AM
Bound File Name = SIM01272015.0056.RAW
Sample Name = CCS
Date Taken = 1/28/2015 12:14:42 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75876	0.0800
4	3.63	t-Butanol	145882	1.0314
5	4.44	n-Propanol	182407	1.0000

Avg vals 55 + 56 = 0.081
1/28/15 AS

15-04-080 79 AB



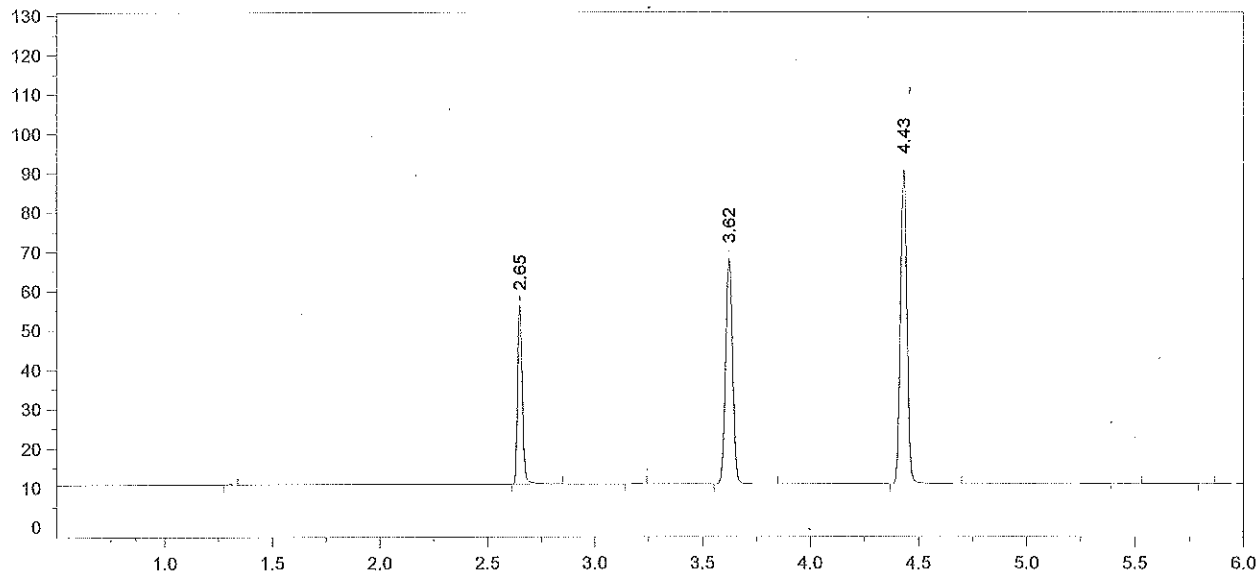
Format File Name = AlcoholVFL.FMT

Today's Date = 1/28/2015
Today's Time = 2:17:19 AM
Bound File Name = SIM01272015.0064.RAW
Sample Name = CCS
Date Taken = 1/28/2015 2:17:11 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82868	0.0796
4	3.63	t-Butanol	156865	1.0107
5	4.43	n-Propanol	200160	1.0000

15-04-080 80 AB

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 1/28/2015 Today's Time = 2:32:57 AM
Bound File Name = SIM01272015.0065.RAW
Sample Name = CCS
Date Taken = 1/28/2015 2:32:47 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM01272015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	70665	0.0796
4	3.62	t-Butanol	132904	1.0039
5	4.43	n-Propanol	170742	1.0000

Avg vals 64 + 65 = 0.079
1/28/15 AB

15-04-080 81 AB