VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION REVIEW CHECKLIST

SOLUTION TYPE AND VOLUME: 20L Ext. Std.

LOT NUMBER#: 15-06-100 **ANALYST:** AB

TECHNICAL REVIEWER: [illegible] **DATE:** 5/1/15
[illegible] 5/1/15

- ☑ 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: TLA **DATE:** 5/1/2015

- ☒ 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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PO BOX 47
WATERBURY, VERMONT 05676-0047
TEL: 802-244-8788
FAX: 802-241-5557
http://vfl.vermont.gov

Certificate of Analysis of DataMaster External Standard Solution

On 4/28/2015, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 15-06-100 and an expiration date of 4/28/2016.

On 4/29/2015 and 4/30/2015, the solution was analyzed against calibration SIM04292015 and VFL04302015. 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 0.100 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont this 1st day of May, 2015.

Amanda Bolduc

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.10 External Standard 20L
Lot #15-06-100
Prepared 4/28/15 by RLM
Exp 4/28/16

ALB CAL SIM04292015
ALB/TLC Vials
Analyzed on 4/29/15

0.1027	ALB
0.1028	
0.1017	
0.1036	
0.1007	
0.1027	
0.1028	
0.1022	TLC
0.0990	
0.1000	
0.0991	
0.1003	
0.0989	
0.1007	

Ave. =	0.1012
Std Dev. =	0.0016
Min. =	0.0989
Max. =	0.1036

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN021111-03
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN05211402
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

ALB CAL VFL04302015
ALB/RLM Vials
Analyzed on 4/30/2015

0.0970	ALB
0.0972	
0.0990	
0.0992	
0.0980	
0.0997	
0.0972	
0.0987	RLM
0.0974	
0.0992	
0.0974	
0.0989	
0.0968	
0.0993	

Ave. =	0.0982
Std Dev. =	0.0010
Min. =	0.0968
Max. =	0.0997

AQ QC Manf.	Cerilliant
AQ QC Lot #	FN021111-03
Cal Std A Lot #	FN01131401
Cal Std B Lot #	FN092710-01
Cal Std C Lot #	FN05211402
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

AB 5/1/15

Total Values from Both Runs

Average	Mean
0.1027	0.0968
0.1028	0.0970
0.1017	0.0972
0.1036	
0.1007	0.0974
0.1027	
0.1028	0.0980
0.1022	0.0987
0.0990	0.0989
0.1000	
0.0991	0.0990
0.1003	
0.0989	0.0991
0.1007	0.0992
0.0970	
0.0972	0.0993
0.0990	0.0997
0.0992	0.1000
0.0980	0.1003
0.0997	0.1007
0.0972	
0.0987	0.1017
0.0974	0.1022
0.0992	0.1027
0.0974	
0.0989	0.1028
0.0968	
0.0993	0.1036

Ave. =	0.0997
Avg Std Dev. =	0.0020
Mean =	0.0997
Mean Std Dev. =	0.0020
Min. =	0.0968
Max =	0.1036
RPD =	6.82%

File Name = C:\Alcohol Data\SIM04292015\SIM04292015.SEQ
Version = 1
File Date = 4/29/2015 8:26:12 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM04292015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM04292015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM04292015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	SIM04292015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	SIM04292015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	SIM04292015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	SIM04292015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	SIM04292015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM04292015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM04292015.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM04292015.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM04292015.0012.raw	simsoln.met	0.10 ALB	1.00	1.00
13	SIM04292015.0013.raw	simsoln.met	0.10 ALB	1.00	1.00
14	SIM04292015.0014.raw	simsoln.met	0.10 ALB	1.00	1.00
15	SIM04292015.0015.raw	simsoln.met	0.10 ALB	1.00	1.00
16	SIM04292015.0016.raw	simsoln.met	0.10 ALB	1.00	1.00
17	SIM04292015.0017.raw	simsoln.met	0.10 ALB	1.00	1.00
18	SIM04292015.0018.raw	simsoln.met	0.10 ALB	1.00	1.00
19	SIM04292015.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM04292015.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM04292015.0021.raw	simsoln.met	0.10 RLM	1.00	1.00
22	SIM04292015.0022.raw	simsoln.met	0.10 RLM	1.00	1.00
23	SIM04292015.0023.raw	simsoln.met	0.10 RLM	1.00	1.00
24	SIM04292015.0024.raw	simsoln.met	0.10 RLM	1.00	1.00
25	SIM04292015.0025.raw	simsoln.met	0.10 RLM	1.00	1.00
26	SIM04292015.0026.raw	simsoln.met	0.10 RLM	1.00	1.00
27	SIM04292015.0027.raw	simsoln.met	0.10 RLM	1.00	1.00
28	SIM04292015.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM04292015.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Vials prepared by TLC, not RLM
AB
4/29/15

15-06-100 2 AB

File Name: C:\Methods\SIM04292015.CAL
Version: 7

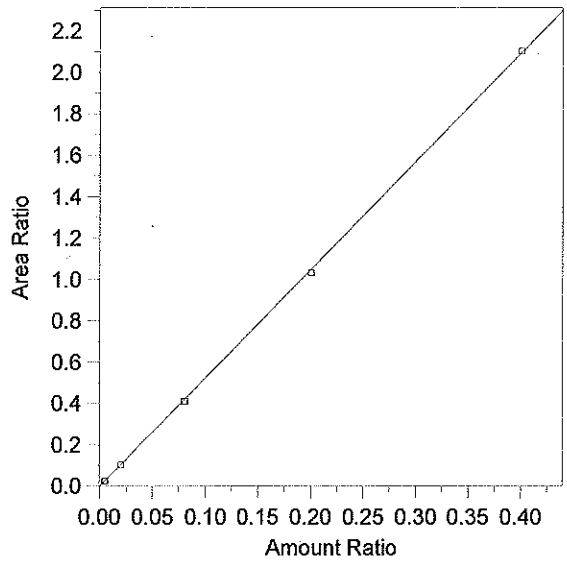
Creator:
Description:
Reason for change:

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: 2.657 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

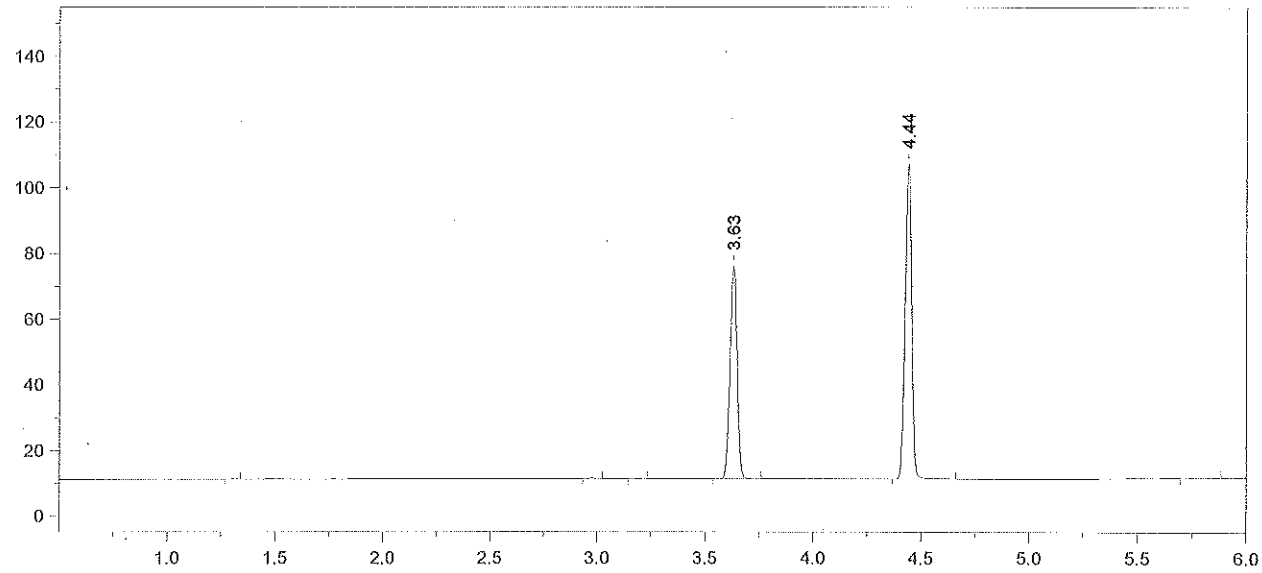
Single peak quantification by area

$Y = 5.235222 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998741
Average error: 1.327%
Average CF: 5.197189
RSD: 1.400%

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	5068.516	1013703	1.067	0.005	2.645543E-02	C:\Alcohol Data\SIM04292015\SIM04292015.0003.BND	4/29/2015 9:33:32 AM
3	0.02	20098.8	1004940	-1.659	0.02	0.1029673	C:\Alcohol Data\SIM04292015\SIM04292015.0004.BND	4/29/2015 9:50:59 AM
4	0.08	79746.52	996831.6	-2.087	0.08	0.4100783	C:\Alcohol Data\SIM04292015\SIM04292015.0005.BND	4/29/2015 10:04:18 AM
5	0.2	195903.2	979516	-1.388	0.2	1.032509	C:\Alcohol Data\SIM04292015\SIM04292015.0006.BND	4/29/2015 10:22:24 AM
6	0.4	404384.8	1010962	0.435	0.4	2.103188	C:\Alcohol Data\SIM04292015\SIM04292015.0007.BND	4/29/2015 10:36:35 AM

15-06-100 3

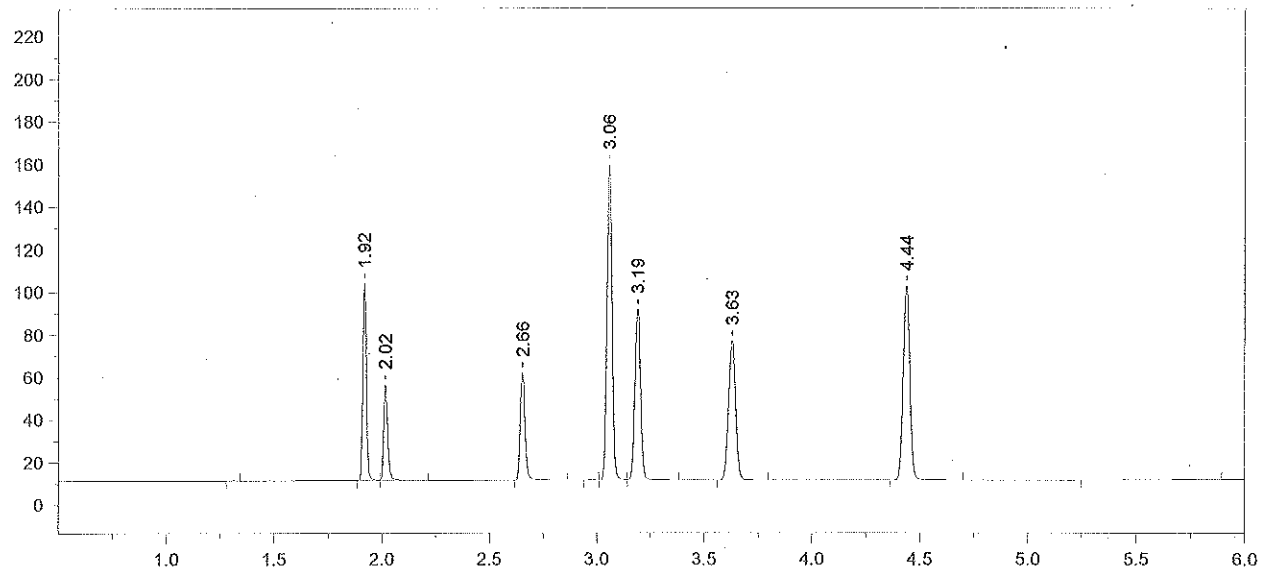


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 8:12:24 AM
Bound File Name = SIM04292015.0001.RAW
Sample Name = Blank
Date Taken = 4/29/2015 9:02:21 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	149901	0.9646
5	4.44	n-Propanol	203976	1.0000

15-06-100 4 AB

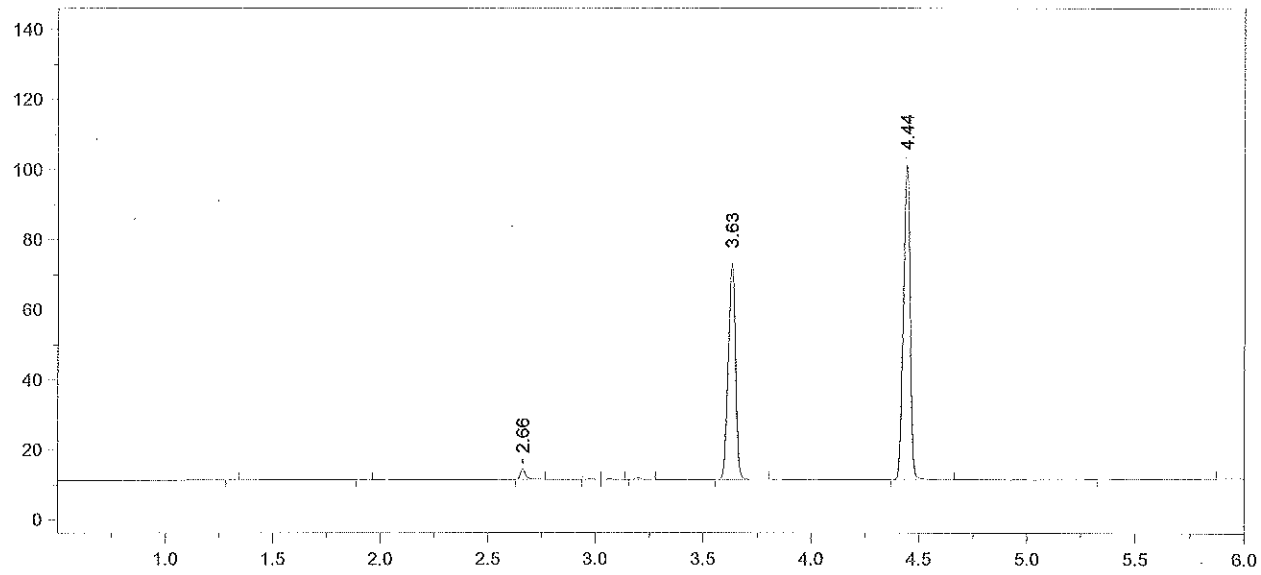


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 8:12:32 AM
Bound File Name = SIM04292015.0002.RAW
Sample Name = TMX
Date Taken = 4/29/2015 9:19:30 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	108603	0.0695
3	2.02	Methanol	56849	0.1232
4	2.66	Ethanol	79293	0.0780
6	3.06	Acetone	252827	0.0657
7	3.19	Isopropanol	151007	0.0848
8	3.63	t-Butanol	151466	1.0232
9	4.44	n-Propanol	194285	1.0000

15-06-100 5 AB

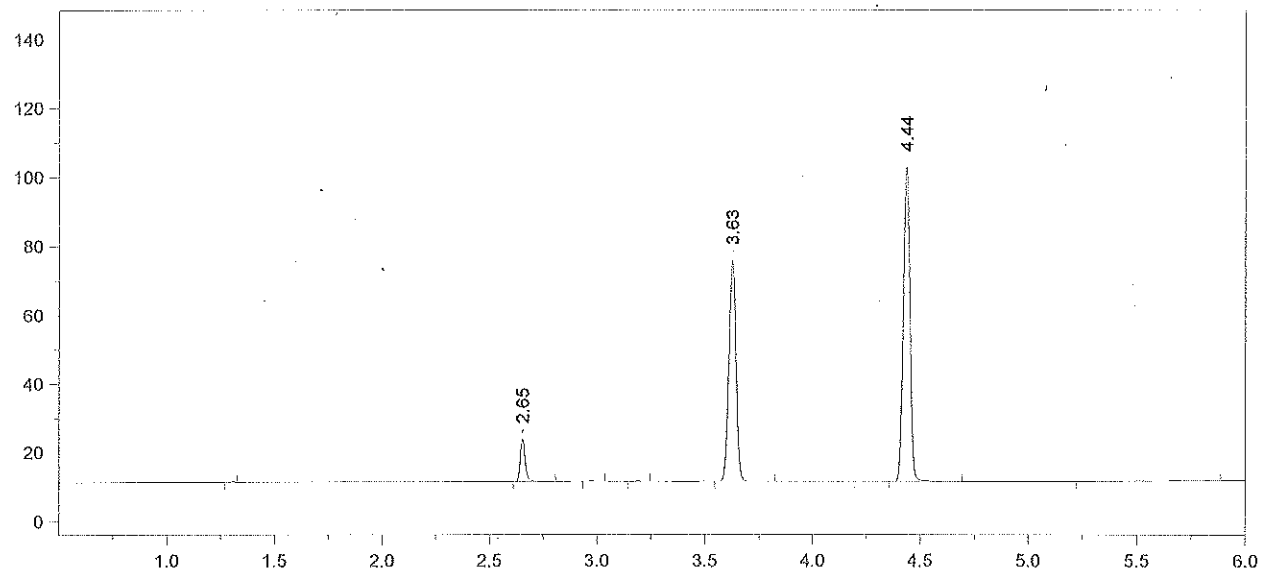


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 8:12:38 AM
Bound File Name = SIM04292015.0003.RAW
Sample Name = Std A
Date Taken = 4/29/2015 9:33:21 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05069	0.0051
7	3.63	t-Butanol	142510	0.9763
8	4.44	n-Propanol	191587	1.0000

15-06-100 6 AB

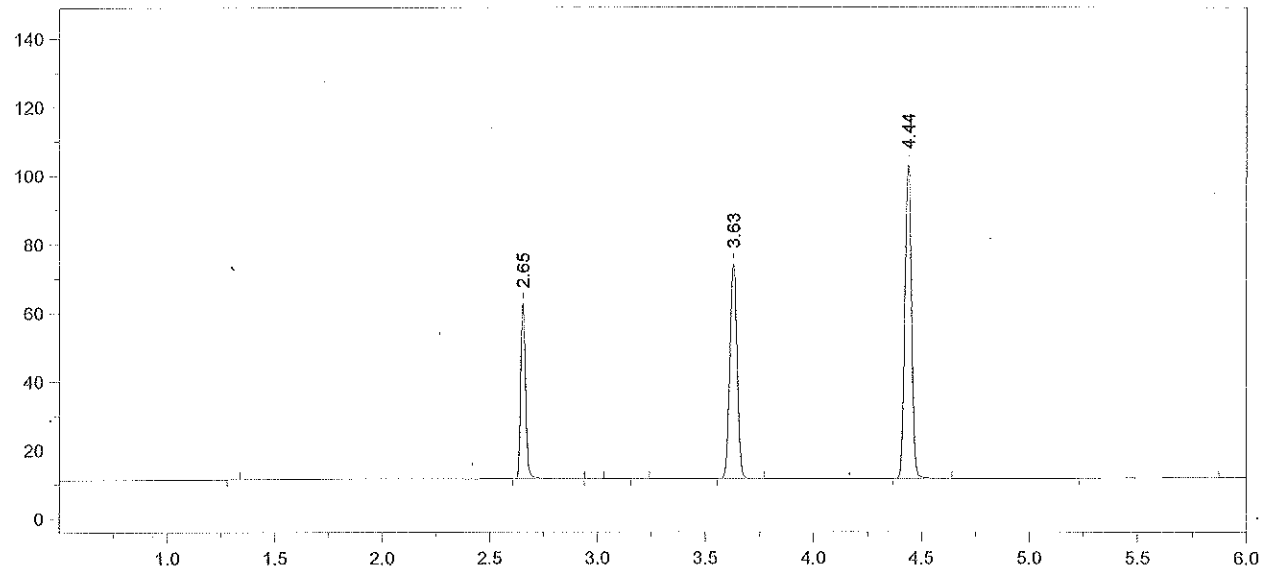


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 8:12:44 AM
Bound File Name = SIM04292015.0004.RAW
Sample Name = Std B
Date Taken = 4/29/2015 9:50:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	20099	0.0197
5	3.63	t-Butanol	148627	0.9994
6	4.44	n-Propanol	195196	1.0000

15-06-100 7 AB



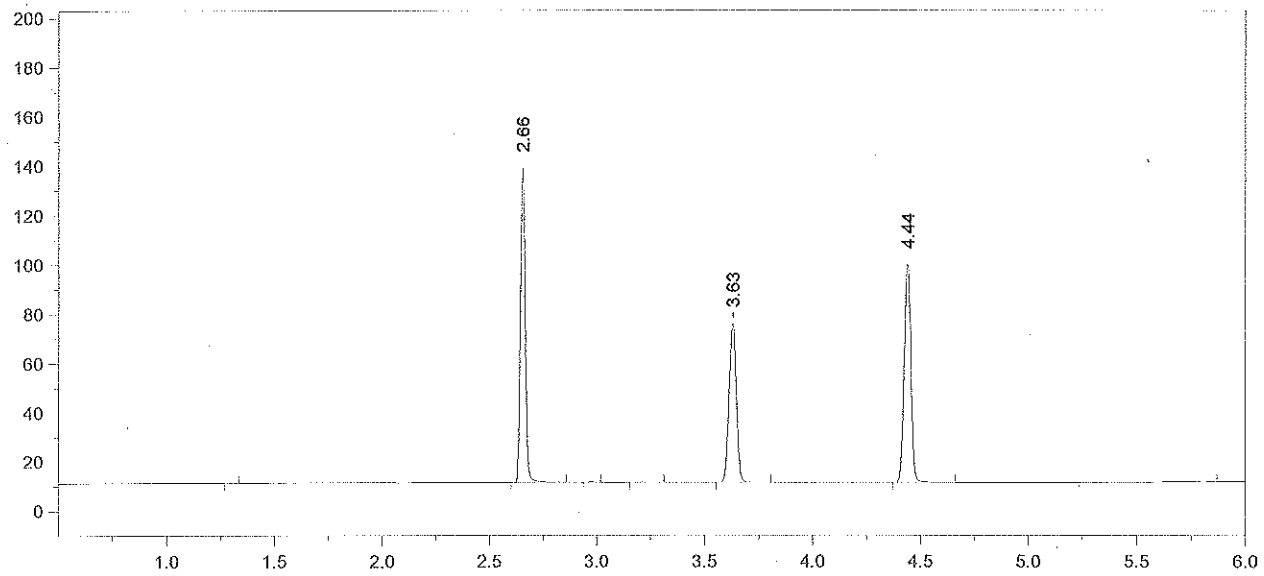
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 8:12:51 AM
Bound File Name = SIM04292015.0005.RAW
Sample Name = Std C
Date Taken = 4/29/2015 10:04:12 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79747	0.0783
5	3.63	t-Butanol	145415	0.9814
6	4.44	n-Propanol	194467	1.0000

AB 5/1/15

15-06-100 8 AB

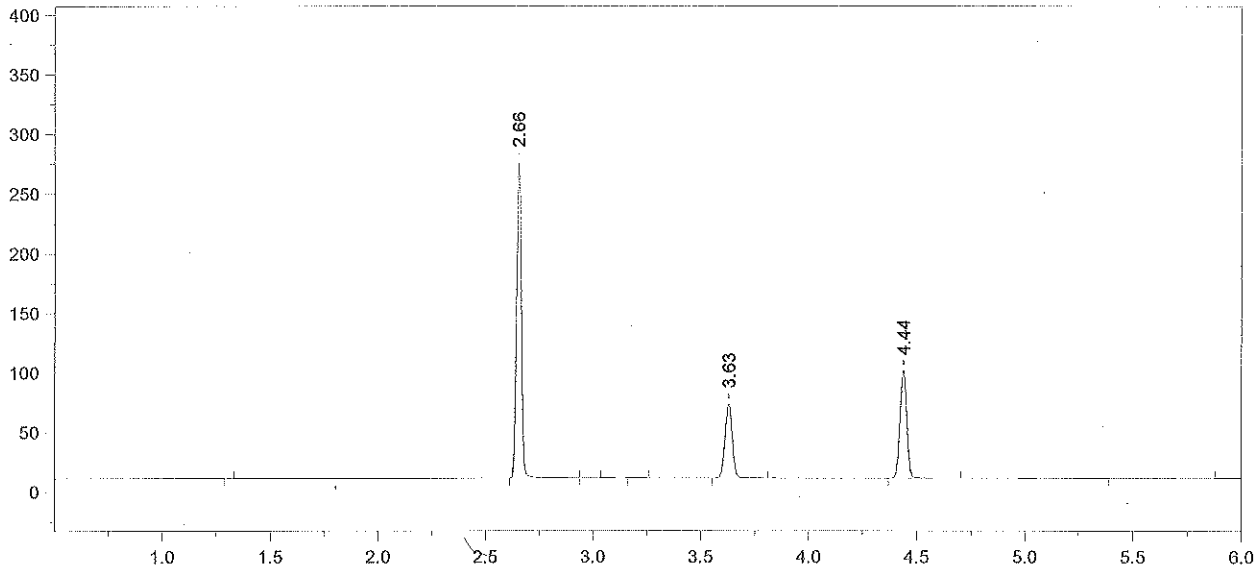


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015 Today's Time = 8:12:57 AM
Bound File Name = SIM04292015.0006.RAW
Sample Name = Std D
Date Taken = 4/29/2015 10:22:19 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	195903	0.1972
5	3.63	t-Butanol	149950	1.0373
6	4.44	n-Propanol	189735	1.0000

15-06-100 9 AB

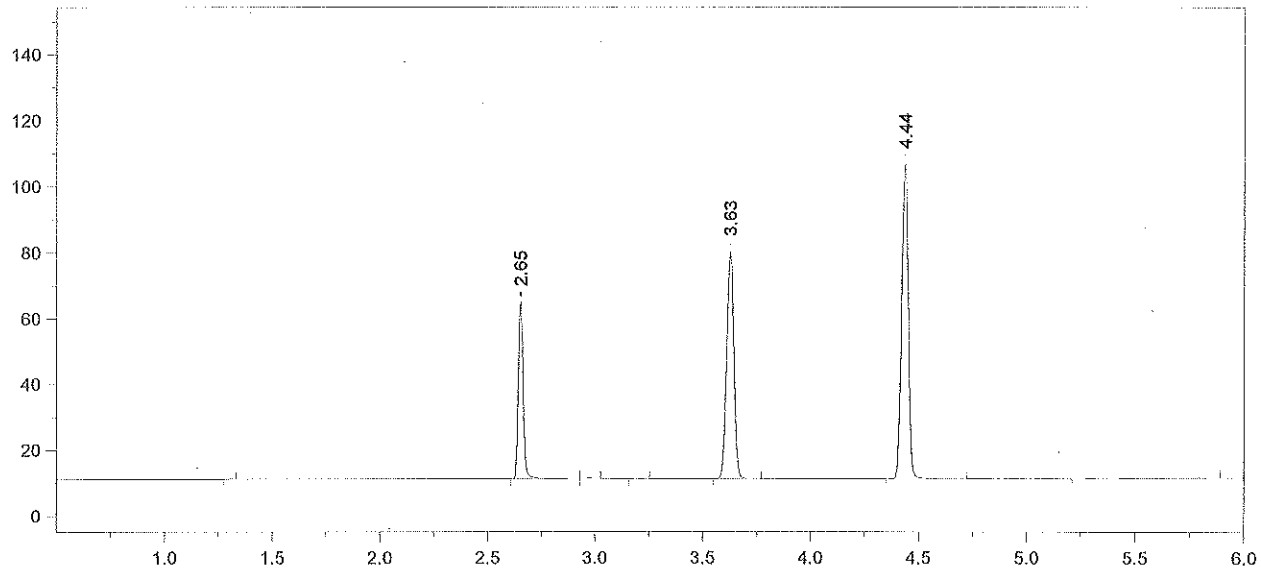


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015 Today's Time = 8:13:03 AM
Bound File Name = SIM04292015.0007.RAW
Sample Name = Std E
Date Taken = 4/29/2015 10:36:30 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	404385	0.4017
5	3.63	t-Butanol	143913	0.9824
6	4.44	n-Propanol	192272	1.0000

15-06-100 10 AB 5/11/15

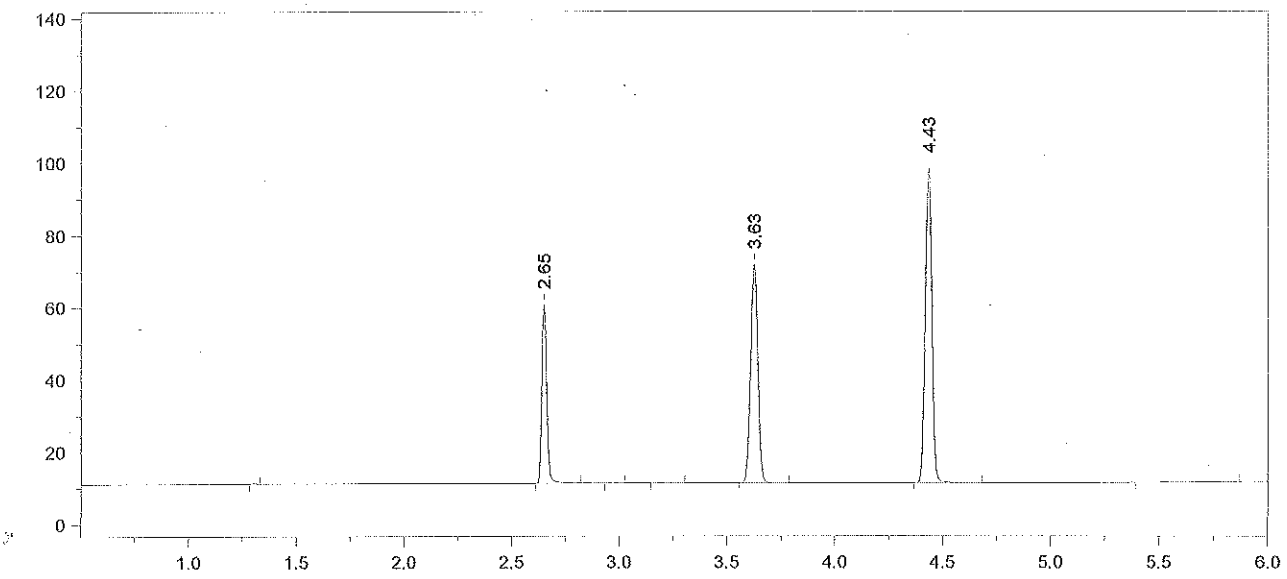


Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 10:52:10 AM
Bound File Name = SIM04292015.0008.RAW
Sample Name = AQ QC
Date Taken = 4/29/2015 10:52:01 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83804	0.0788
5	3.63	t-Butanol	158710	1.0250
6	4.44	n-Propanol	203224	1.0000

15-06-100 5/11/15 11 AB



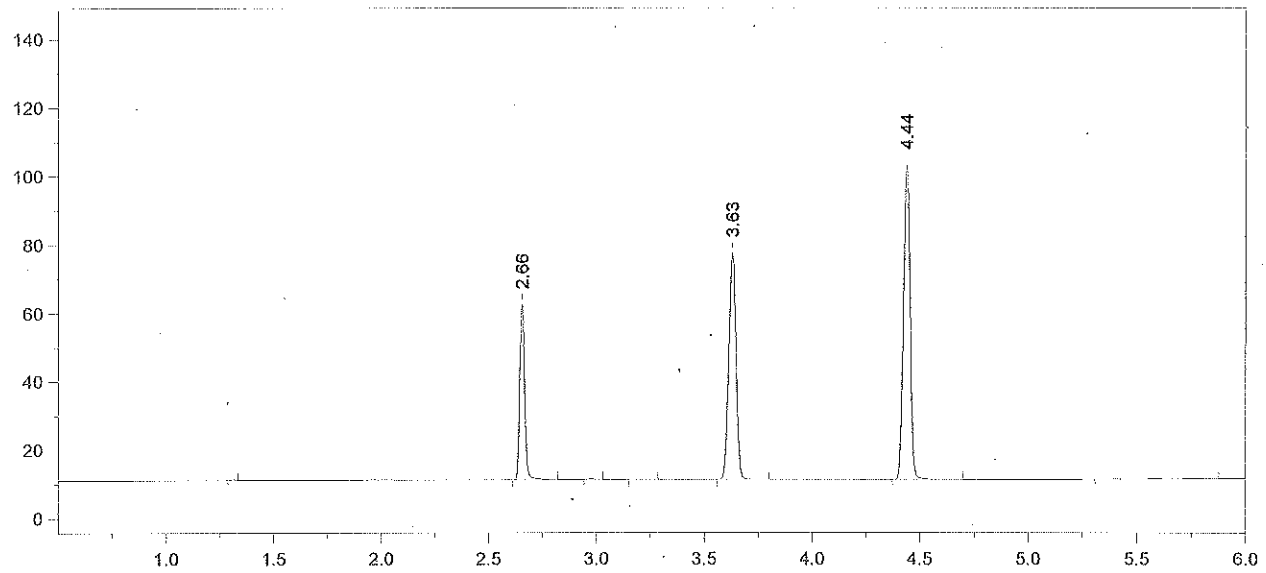
Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 11:08:45 AM
Bound File Name = SIM04292015.0009.RAW
Sample Name = AQ QC
Date Taken = 4/29/2015 11:08:37 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	77722	0.0800
5	3.63	t-Butanol	139835	0.9885
6	4.43	n-Propanol	185666	1.0000

Avg vals 8 + 9 = 0.079
5/11/15 AB

15-06-100 12 AB

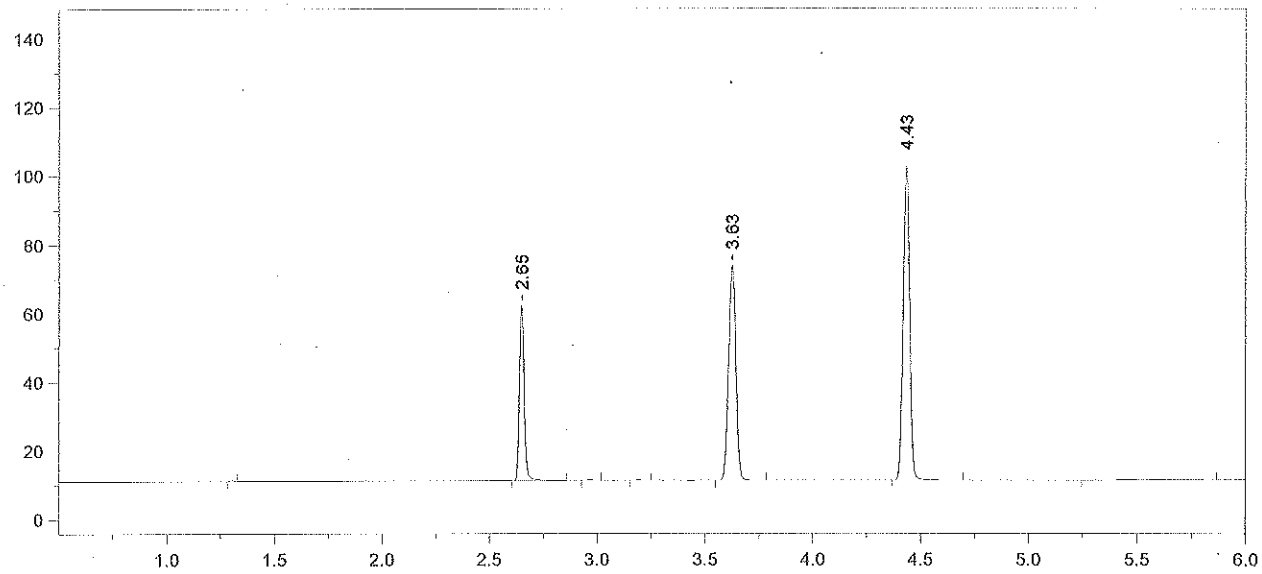


Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015 Today's Time = 11:23:41 AM
Bound File Name = SIM04292015.0010.RAW
Sample Name = CCS
Date Taken = 4/29/2015 11:23:35 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79903	0.0777
5	3.63	t-Butanol	153553	1.0255
6	4.44	n-Propanol	196527	1.0000

15-06-100 13 AB



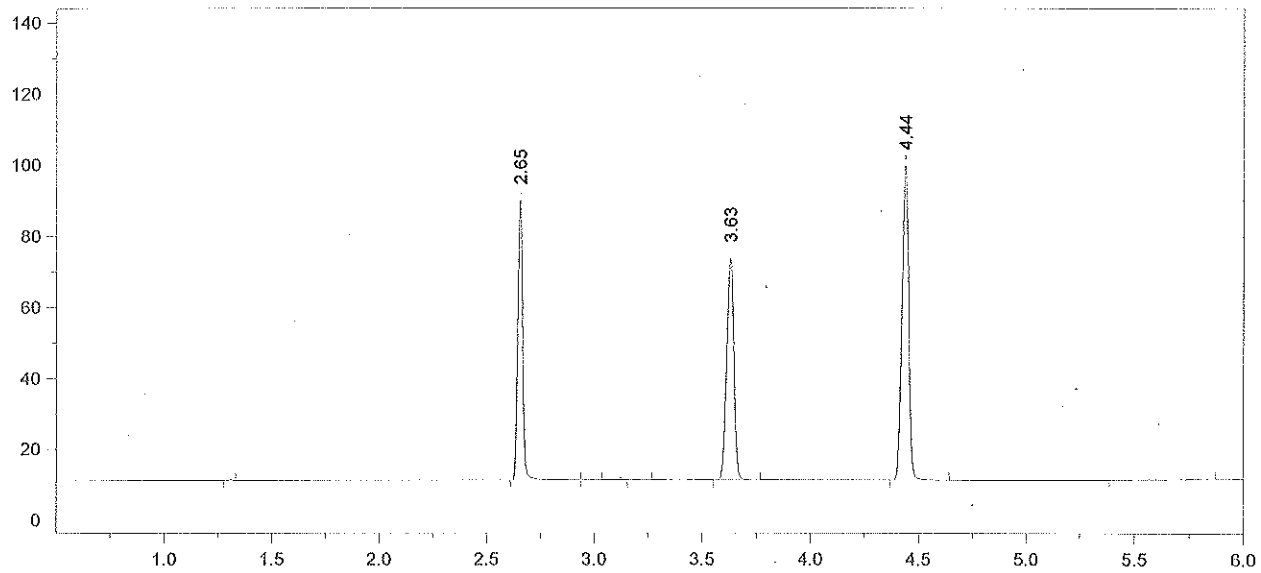
Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 11:39:00 AM
Bound File Name = SIM04292015.0011.RAW
Sample Name = CCS
Date Taken = 4/29/2015 11:38:53 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79941	0.0784
5	3.63	t-Butanol	145378	0.9800
6	4.43	n-Propanol	194704	1.0000

Avg vals 10+11 = 0.078
5/1/15 AB

15-06-100 14 AB

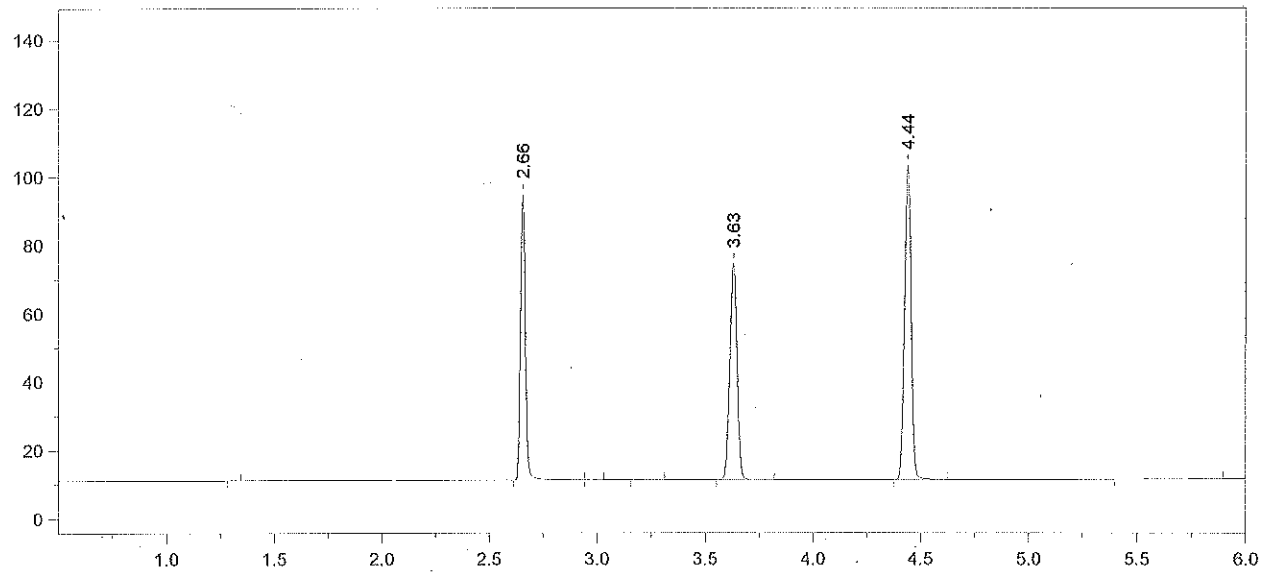


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 11:55:07 AM
Bound File Name = SIM04292015.0012.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 11:54:59 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123359	0.1258	0.1027
5	3.63	t-Butanol	144428	1.0120	0.8260
6	4.44	n-Propanol	187311	1.0000	0.8162

15-06-100 15 AB

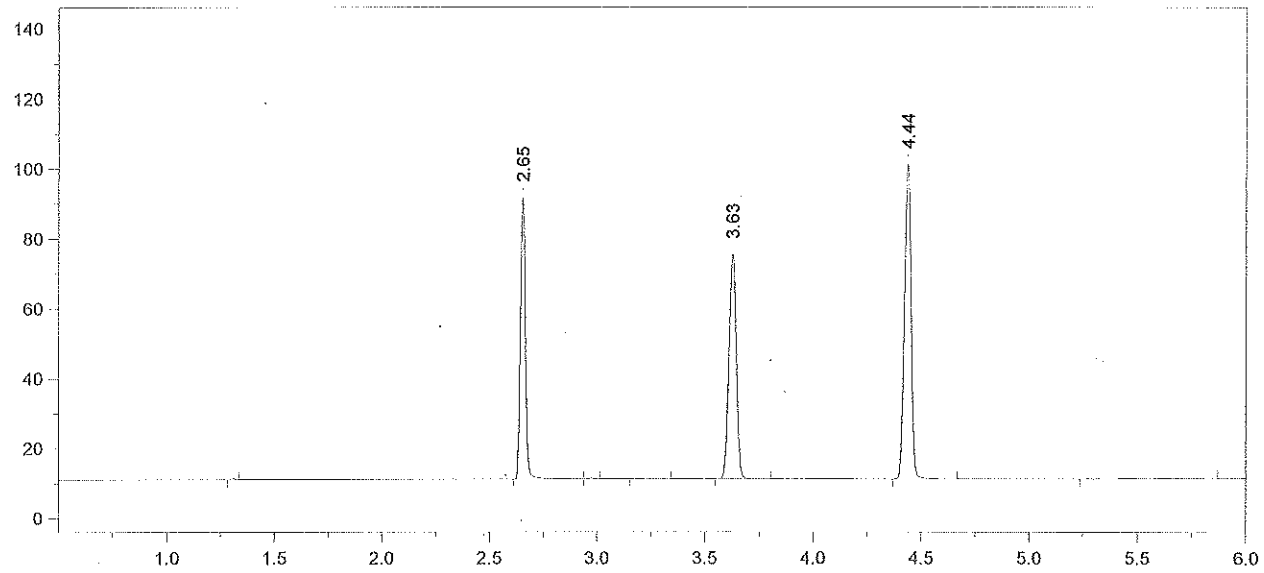


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 12:09:13 PM
Bound File Name = SIM04292015.0013.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 12:09:05 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	128997	0.1260	0.1028
5	3.63	t-Butanol	146986	0.9863	0.8050
6	4.44	n-Propanol	195600	1.0000	0.8162

15-06-100 16 AB

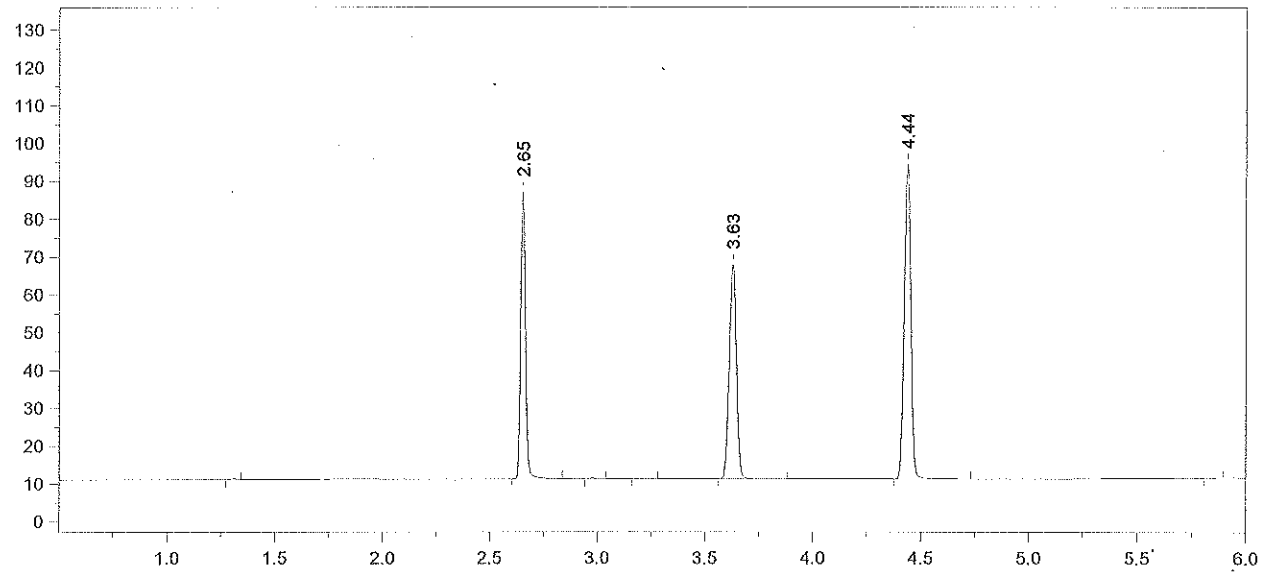


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 12:26:29 PM
Bound File Name = SIM04292015.0014.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 12:26:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	124880	0.1246	0.1017
5	3.63	t-Butanol	149496	1.0253	0.8369
6	4.44	n-Propanol	191370	1.0000	0.8162

15-06-100 17 LB

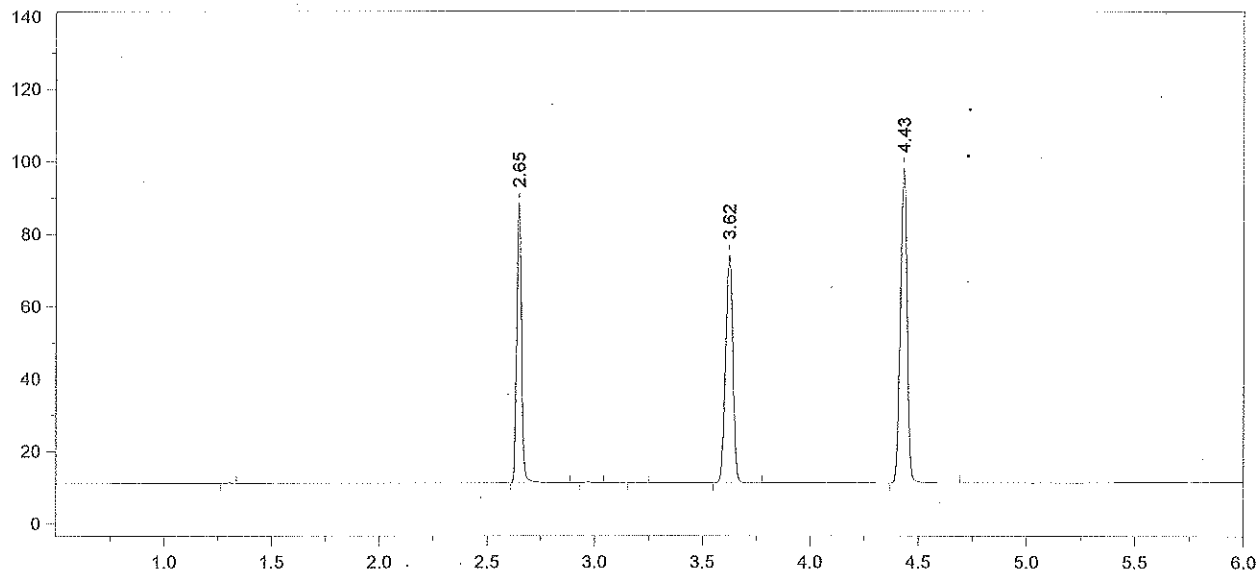


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 12:41:28 PM
Bound File Name = SIM04292015.0015.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 12:41:22 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	117749	0.1270	0.1036
5	3.63	t-Butanol	131325	0.9731	0.7942
6	4.44	n-Propanol	177132	1.0000	0.8162

15-06-100 18 AB

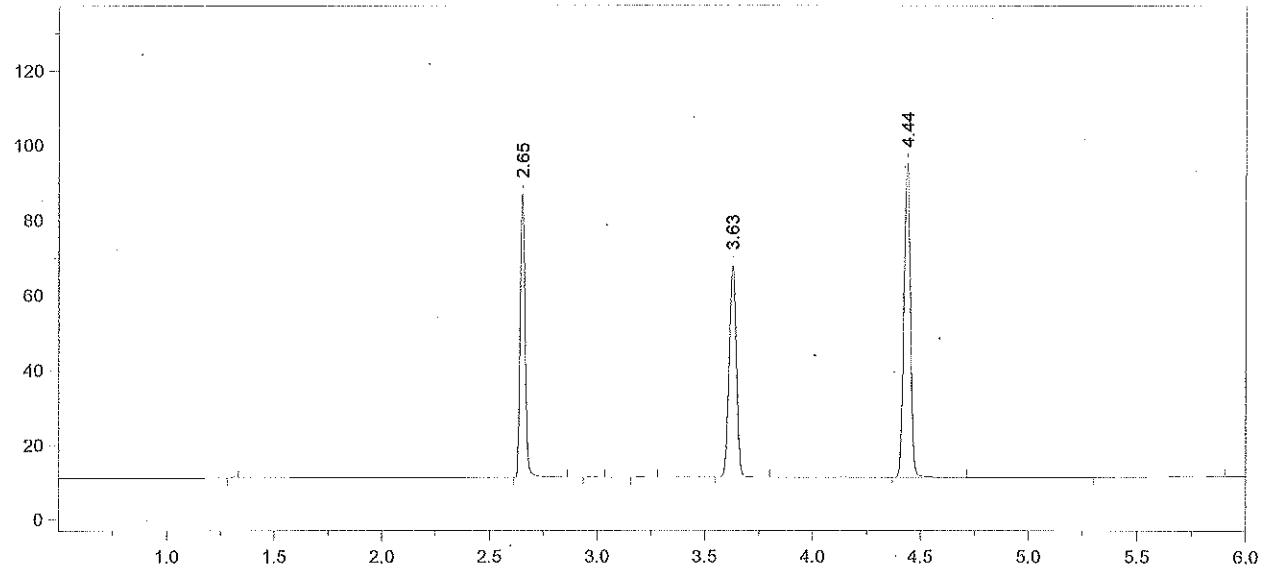


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 12:57:51 PM
Bound File Name = SIM04292015.0016.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 12:57:46 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	120472	0.1234	0.1007
5	3.62	t-Butanol	145609	1.0247	0.8364
6	4.43	n-Propanol	186498	1.0000	0.8162

15-06-100 19

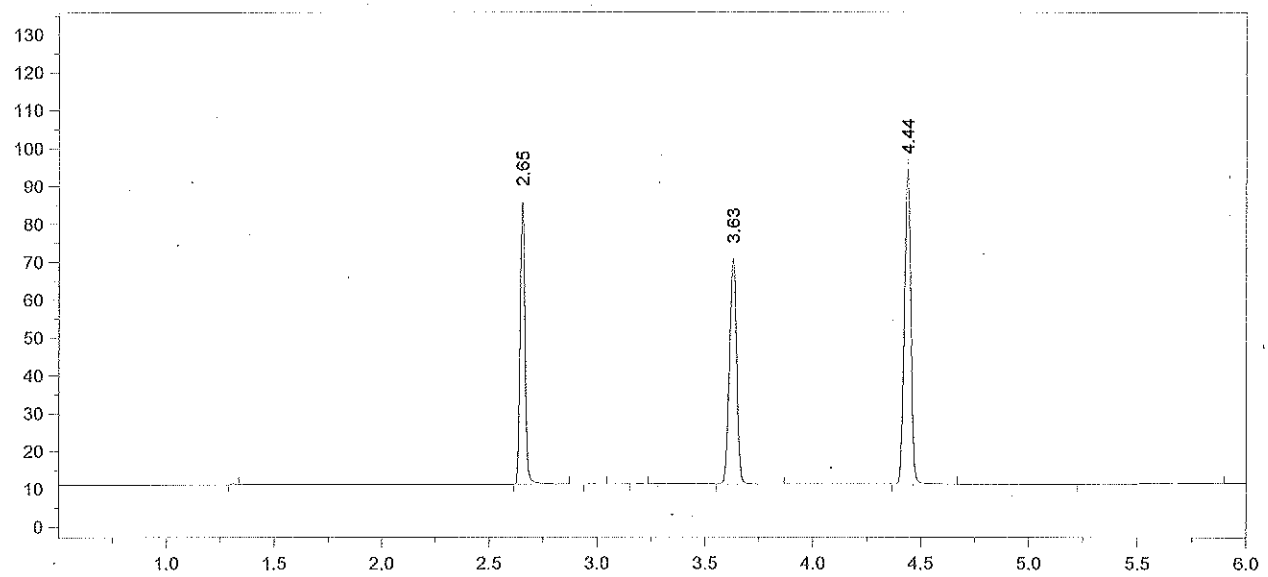


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 1:12:15 PM
Bound File Name = SIM04292015.0017.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 1:12:06 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	117304	0.1259	0.1027
5	3.63	t-Butanol	131535	0.9698	0.7916
6	4.44	n-Propanol	178016	1.0000	0.8162

15-06-100 20 AB

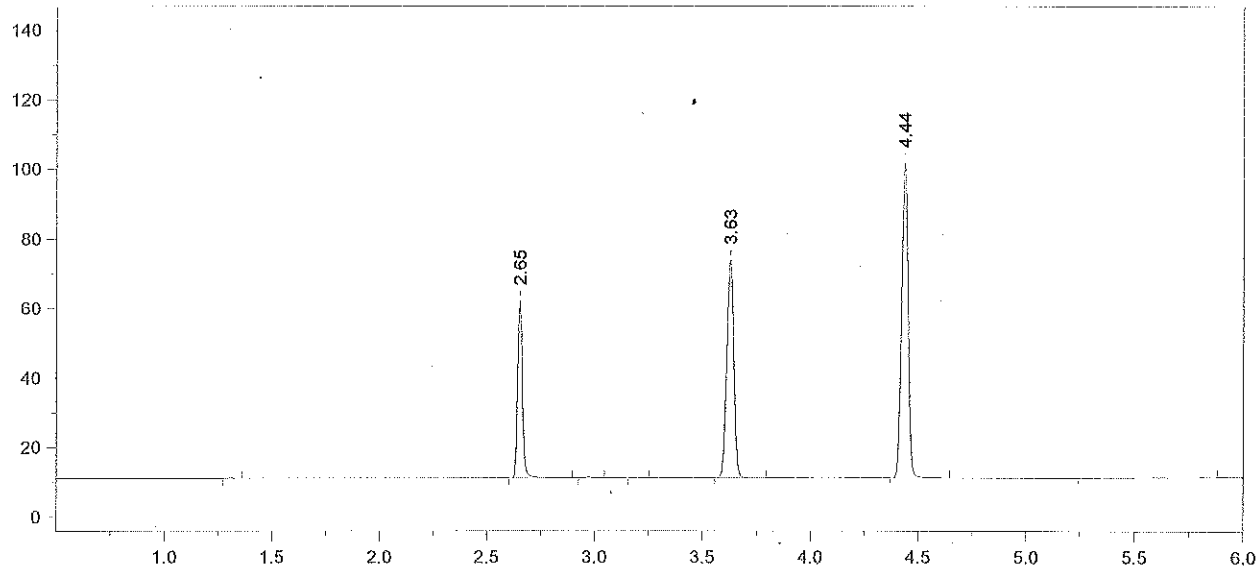


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 1:29:24 PM
Bound File Name = SIM04292015.0018.RAW
Sample Name = 0.10 ALB
Date Taken = 4/29/2015 1:29:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	116312	0.1260	0.1028
5	3.63	t-Butanol	137734	1.0250	0.8366
6	4.44	n-Propanol	176371	1.0000	0.8162

15-06-100 21 AB

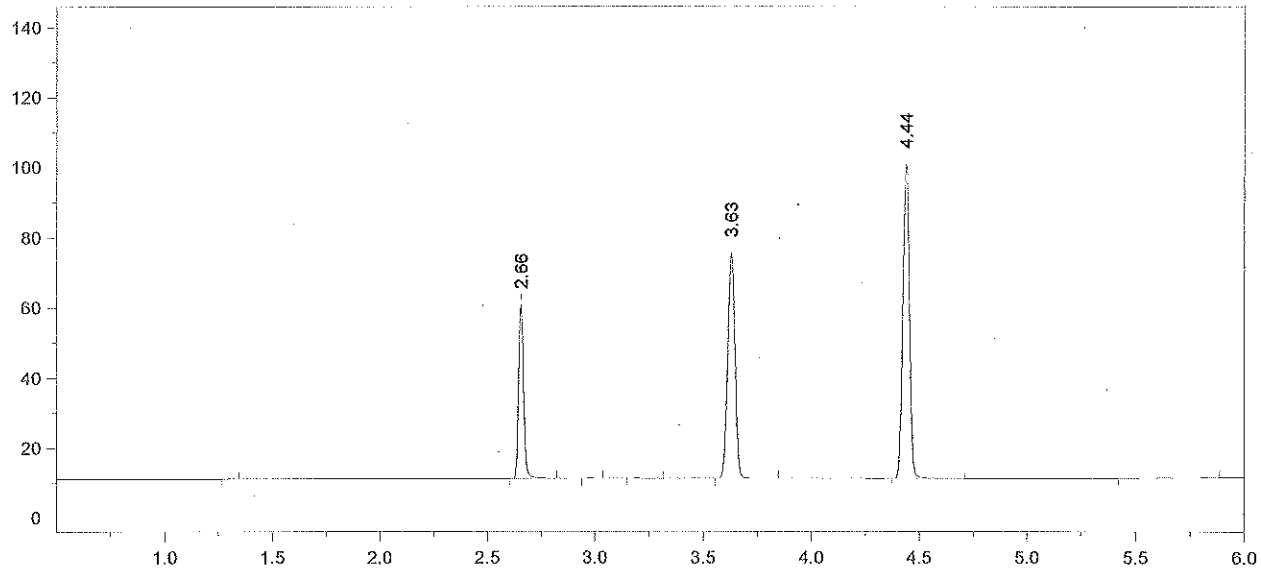


Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 1:44:15 PM
Bound File Name = SIM04292015.0019.RAW
Sample Name = CCS
Date Taken = 4/29/2015 1:44:08 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79525	0.0792
5	3.63	t-Butanol	145679	0.9967
6	4.44	n-Propanol	191837	1.0000

15-06-100 22 AB



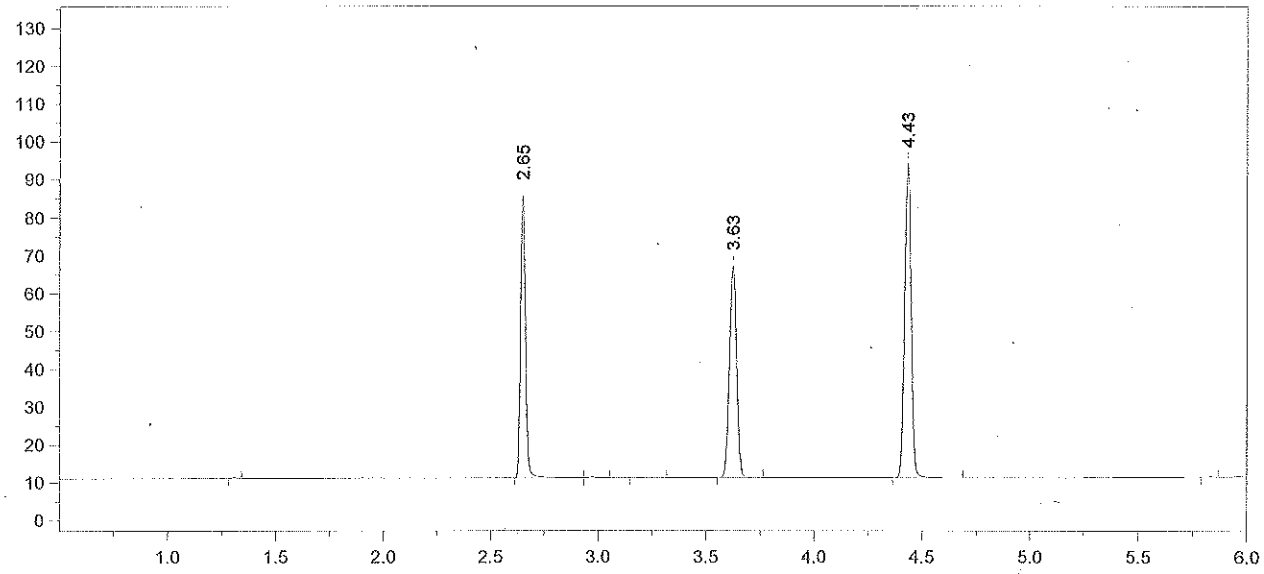
Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 2:00:43 PM
Bound File Name = SIM04292015.0020.RAW
Sample Name = CCS
Date Taken = 4/29/2015 2:00:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77530	0.0775
5	3.63	t-Butanol	149026	1.0230
6	4.44	n-Propanol	191193	1.0000

Avg vials 19 + 20 = 0.078
5/11/15 AB

15-06-100 23 AB

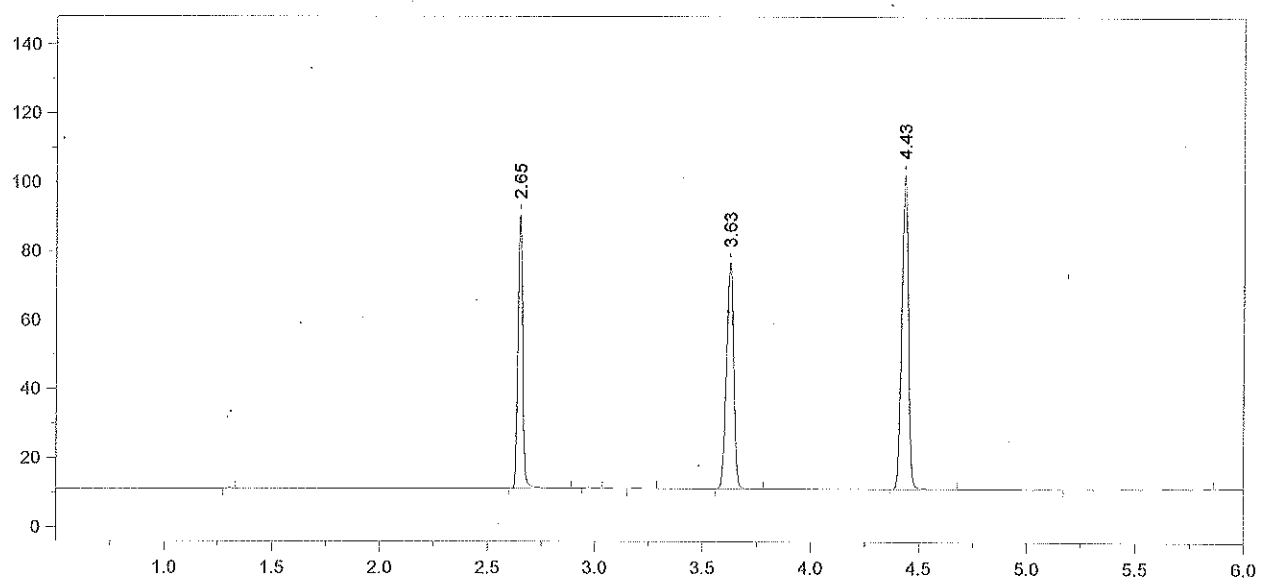


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 2:15:44 PM
Bound File Name = SIM04292015.0021.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 2:15:35 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	115636	0.1252	0.1022
5	3.63	t-Butanol	129870	0.9663	0.7887
6	4.43	n-Propanol	176406	1.0000	0.8162

15-06-100 24 AB

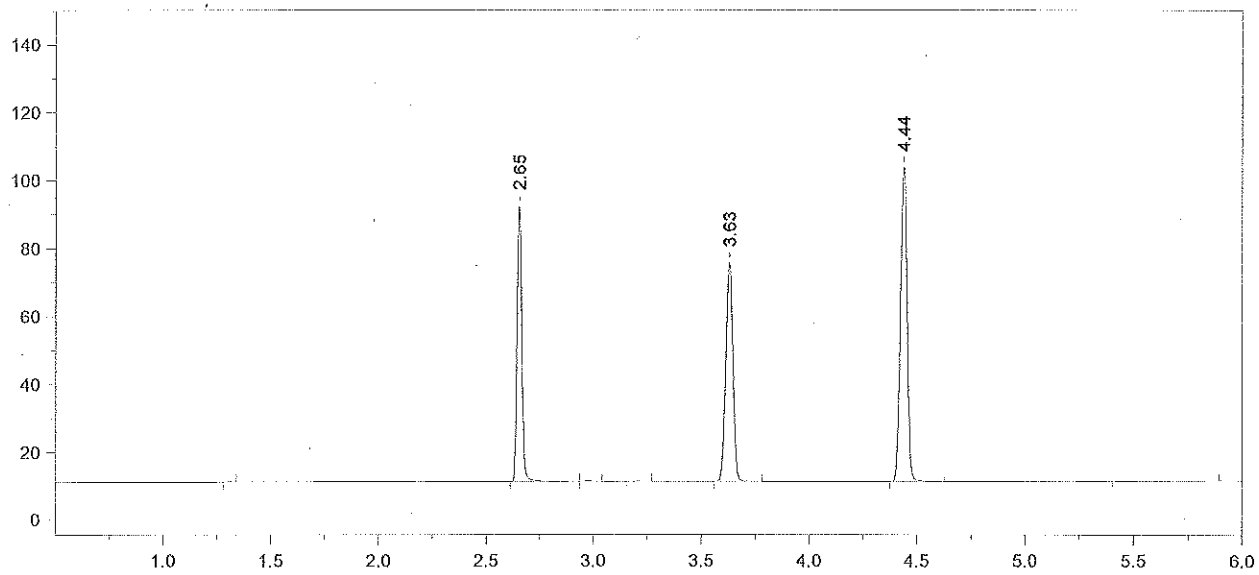


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 2:32:08 PM
Bound File Name = SIM04292015.0022.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 2:32:01 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123046	0.1213	0.0990
5	3.63	t-Butanol	152284	1.0317	0.8421
6	4.43	n-Propanol	193731	1.0000	0.8162

15-06-100 25 dB

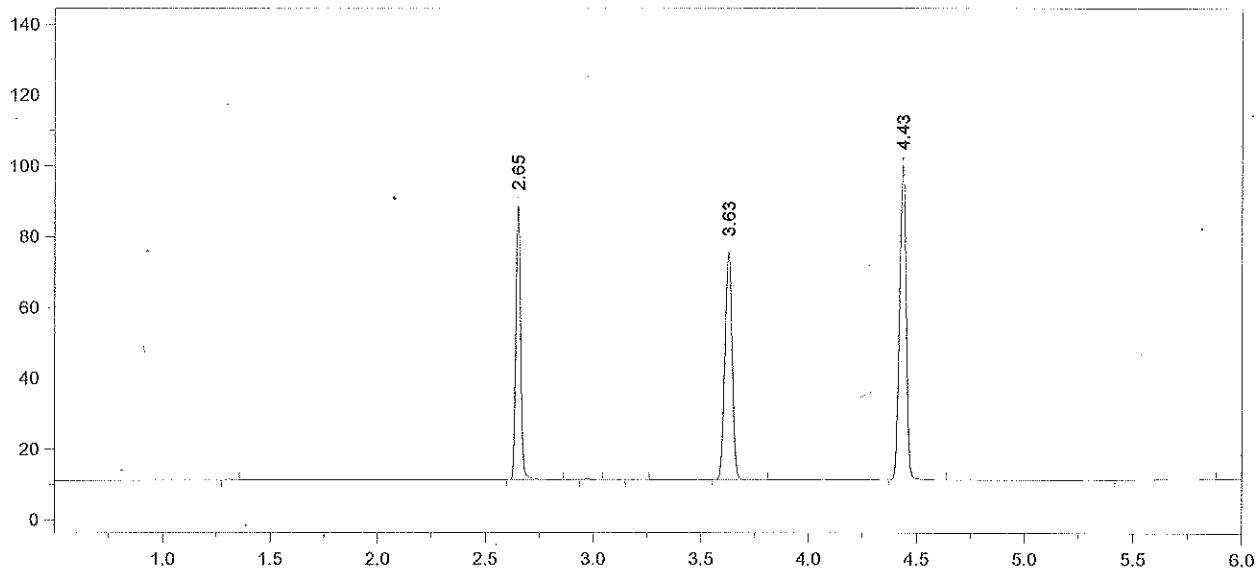


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 2:46:17 PM
Bound File Name = SIM04292015.0023.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 2:46:12 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	126417	0.1225	0.1000
5	3.63	t-Butanol	149183	0.9933	0.8107
6	4.44	n-Propanol	197127	1.0000	0.8162

15-06-100 26

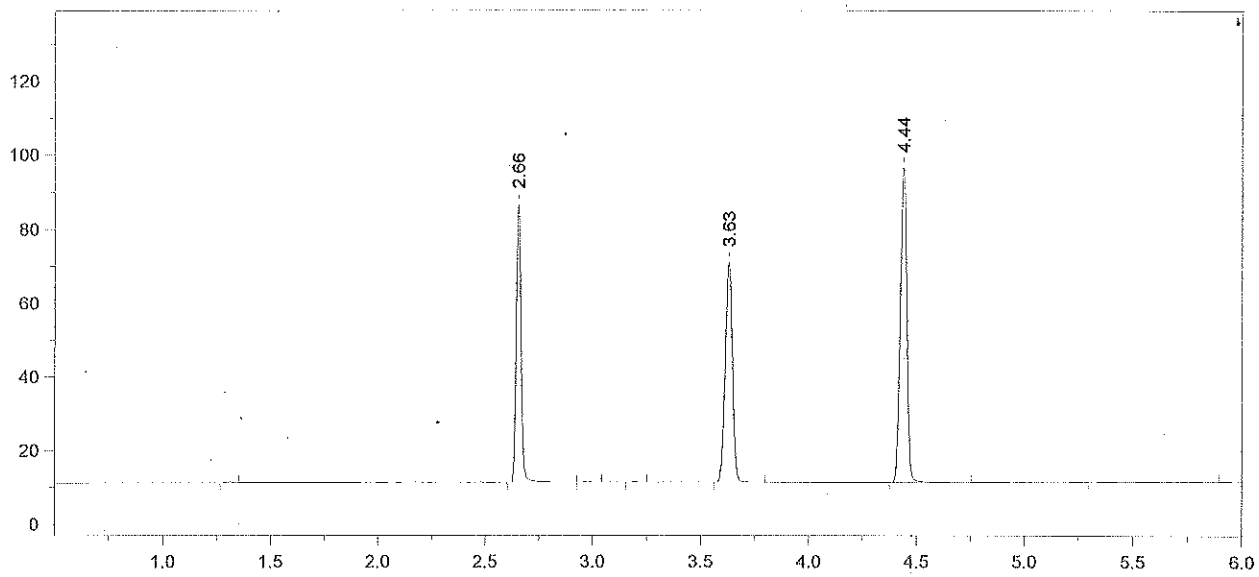


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 3:03:32 PM
Bound File Name = SIM04292015.0024.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 3:03:26 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	120478	0.1214	0.0991
5	3.63	t-Butanol	148756	1.0298	0.8405
6	4.43	n-Propanol	189599	1.0000	0.8162

15-06-100 27 AB

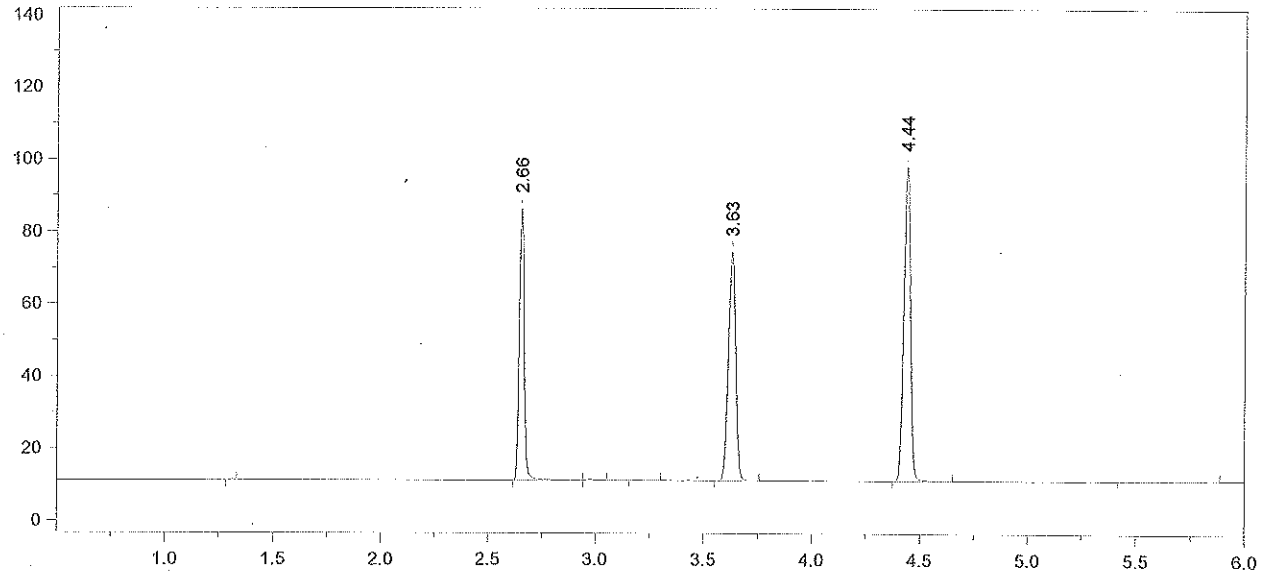


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 3:18:26 PM
Bound File Name = SIM04292015.0025.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 3:18:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117520	0.1229	0.1003
5	3.63	t-Butanol	137864	0.9908	0.8087
6	4.44	n-Propanol	182625	1.0000	0.8162

15-06-100 28 AB

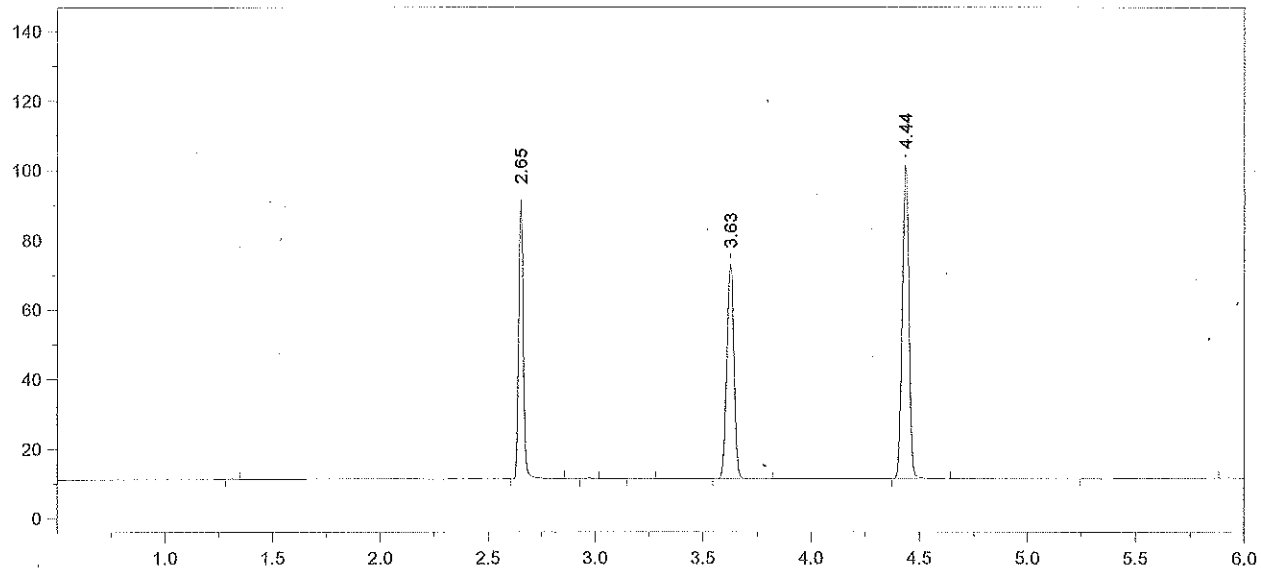


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 3:34:55 PM
Bound File Name = SIM04292015.0026.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 3:34:49 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117602	0.1212	0.0989
5	3.63	t-Butanol	146214	1.0355	0.8452
6	4.44	n-Propanol	185332	1.0000	0.8162

15-06-100 29 AB

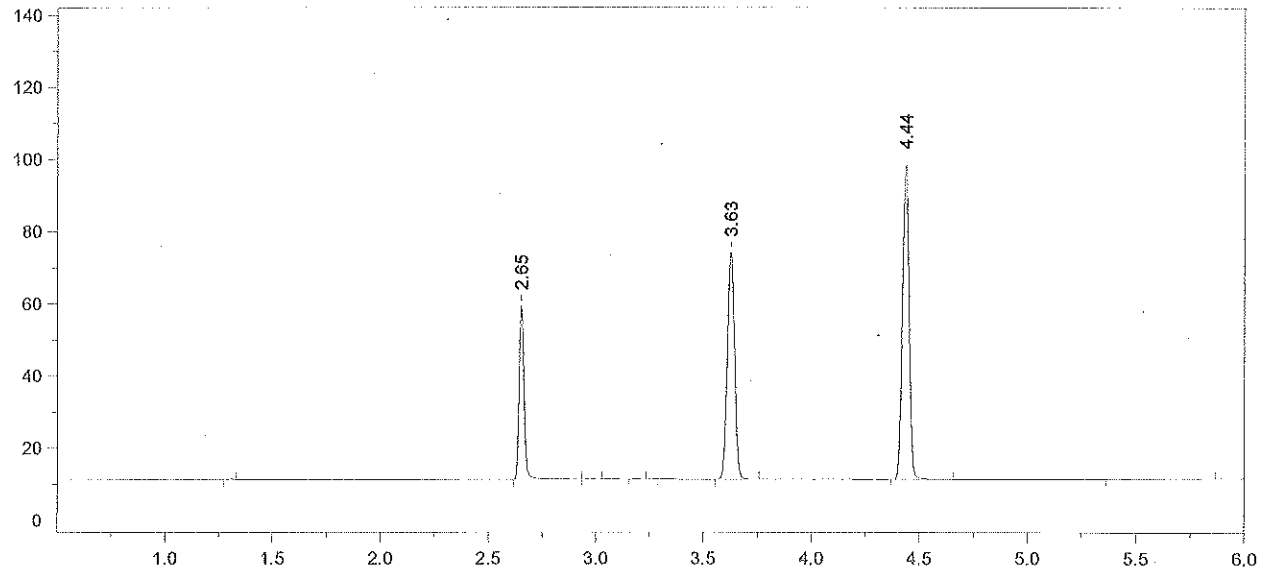


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/29/2015 Today's Time = 3:49:19 PM
Bound File Name = SIM04292015.0027.RAW
Sample Name = 0.10 RLM
Date Taken = 4/29/2015 3:49:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM04292015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	123810	0.1234	0.1007
5	3.63	t-Butanol	143293	0.9809	0.8006
6	4.44	n-Propanol	191726	1.0000	0.8162

15-06-100 30 AB

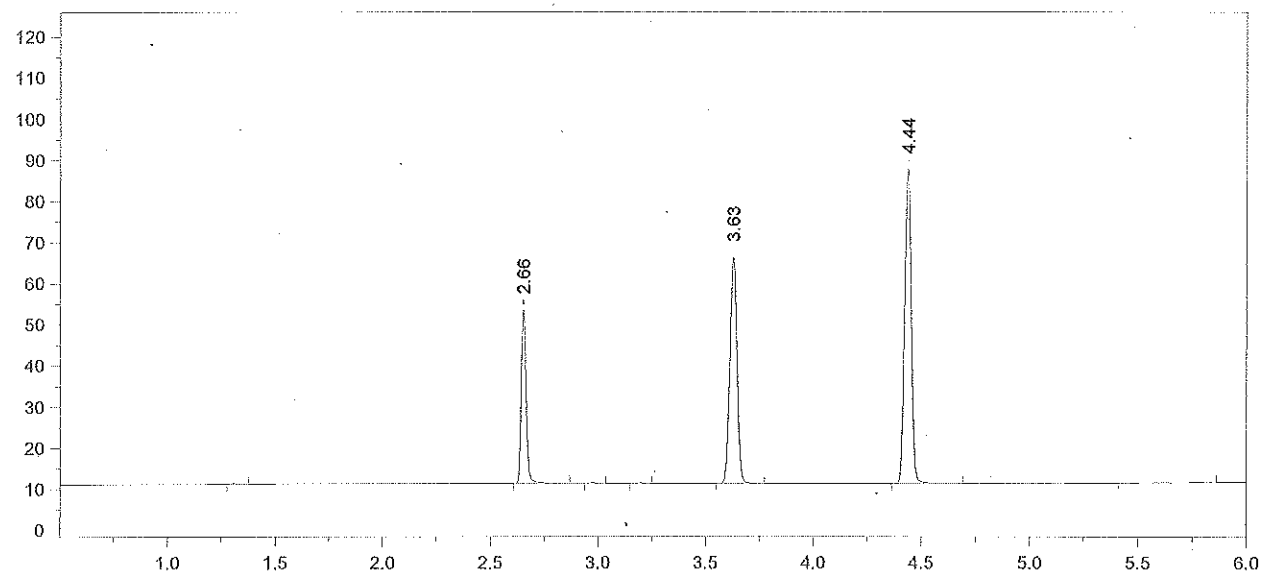


Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 4:06:22 PM
Bound File Name = SIM04292015.0028.RAW
Sample Name = CCS
Date Taken = 4/29/2015 4:06:14 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75094	0.0775
5	3.63	t-Butanol	146215	1.0373
6	4.44	n-Propanol	185008	1.0000

15-06-100 31 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 4/29/2015
Today's Time = 4:20:26 PM
Bound File Name = SIM04292015.0029.RAW
Sample Name = CCS
Date Taken = 4/29/2015 4:20:20 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM04292015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	66838	0.0781
5	3.63	t-Butanol	127345	1.0225
6	4.44	n-Propanol	163465	1.0000

Avg vals 28+29 = 0.078
5/1/15 AB

15-06-100 32 AB

File Name = C:\Alcohol Data\VFL04302015\VFL04302015.SEQ
Version = 1
File Date = 4/30/2015 1:56:39 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL04302015.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL04302015.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL04302015.0003.raw	Blood Alc temp VFL.MET	Std A	1.00	1.00
4	VFL04302015.0004.raw	Blood Alc temp VFL.MET	Std B	1.00	1.00
5	VFL04302015.0005.raw	Blood Alc temp VFL.MET	Std C	1.00	1.00
6	VFL04302015.0006.raw	Blood Alc temp VFL.MET	Std D	1.00	1.00
7	VFL04302015.0007.raw	Blood Alc temp VFL.MET	Std E	1.00	1.00
8	VFL04302015.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	VFL04302015.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	VFL04302015.0010.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
11	VFL04302015.0011.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
12	VFL04302015.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL04302015.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL04302015.0014.raw	Blood Alc temp VFL.MET	V15-682 A1-1	1.00	1.00
15	VFL04302015.0015.raw	Blood Alc temp VFL.MET	V15-682 A1-1	1.00	1.00
16	VFL04302015.0016.raw	Blood Alc temp VFL.MET	V15-705 A1-1	1.00	1.00
17	VFL04302015.0017.raw	Blood Alc temp VFL.MET	V15-705 A1-1	1.00	1.00
18	VFL04302015.0018.raw	Blood Alc temp VFL.MET	V15-724 A1-1	1.00	1.00
19	VFL04302015.0019.raw	Blood Alc temp VFL.MET	V15-724 A1-1	1.00	1.00
20	VFL04302015.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	VFL04302015.0021.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
22	VFL04302015.0022.raw	simsoln.met	0.10 ALB	1.00	1.00
23	VFL04302015.0023.raw	simsoln.met	0.10 ALB	1.00	1.00
24	VFL04302015.0024.raw	simsoln.met	0.10 ALB	1.00	1.00
25	VFL04302015.0025.raw	simsoln.met	0.10 ALB	1.00	1.00
26	VFL04302015.0026.raw	simsoln.met	0.10 ALB	1.00	1.00
27	VFL04302015.0027.raw	simsoln.met	0.10 ALB	1.00	1.00
28	VFL04302015.0028.raw	simsoln.met	0.10 ALB	1.00	1.00
29	VFL04302015.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	VFL04302015.0030.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
31	VFL04302015.0031.raw	simsoln.met	0.10 RLM	1.00	1.00
32	VFL04302015.0032.raw	simsoln.met	0.10 RLM	1.00	1.00
33	VFL04302015.0033.raw	simsoln.met	0.10 RLM	1.00	1.00
34	VFL04302015.0034.raw	simsoln.met	0.10 RLM	1.00	1.00
35	VFL04302015.0035.raw	simsoln.met	0.10 RLM	1.00	1.00
36	VFL04302015.0036.raw	simsoln.met	0.10 RLM	1.00	1.00
37	VFL04302015.0037.raw	simsoln.met	0.10 RLM	1.00	1.00
38	VFL04302015.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	VFL04302015.0039.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

case work samples not included AB 5/1/15

15-06-100 33 AB

File Name: C:\Methods\VFL04302015.CAL
Version: 7

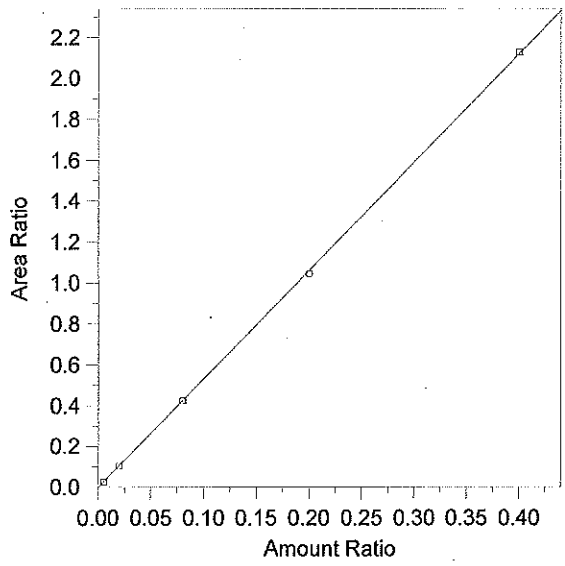
Creator:
Description:
Reason for change:

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: 2.657 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

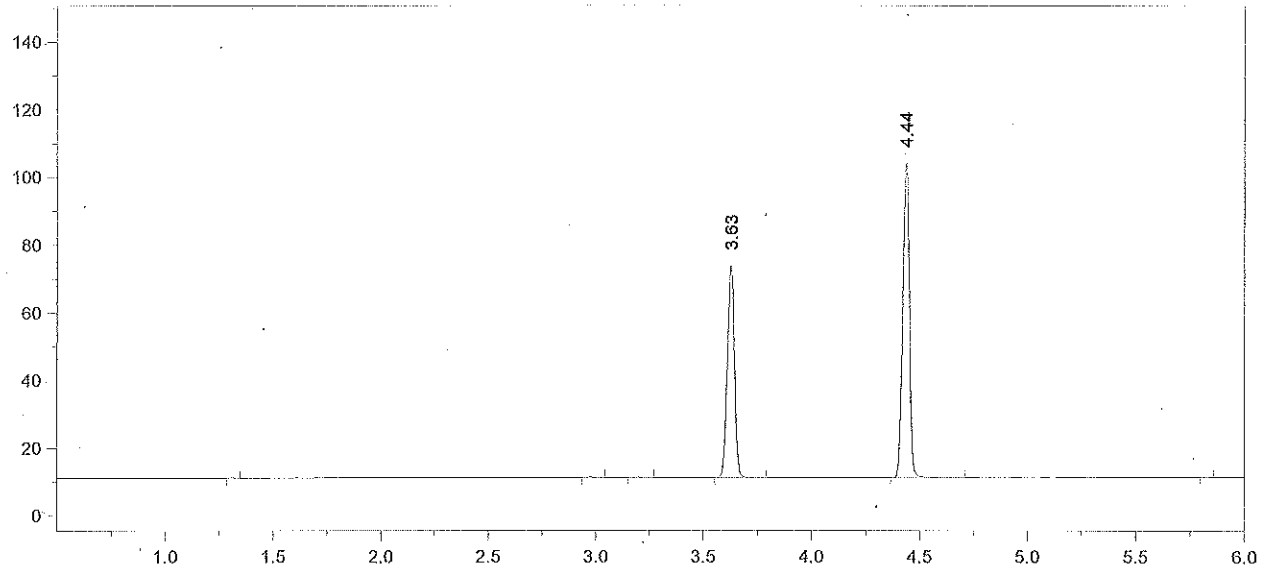
Single peak quantification by area

$Y = 5.297876 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.999912
Average error: 1.277%
Average CF: 5.271395
RSD: 1.754%

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	4905.885	981177	1.595	0.005	2.691186E-02	C:\Alcohol Data\VFL04302015\VFL04302015.0003.BND	4/30/2015 3:03:57 PM
3	0.02	18517.07	925853.6	-2.993	0.02	0.1027863	C:\Alcohol Data\VFL04302015\VFL04302015.0004.BND	4/30/2015 3:22:04 PM
4	0.08	79319.69	991496.1	-0.106	0.08	0.4233813	C:\Alcohol Data\VFL04302015\VFL04302015.0005.BND	4/30/2015 3:35:54 PM
5	0.2	192116	960580	-1.342	0.2	1.045352	C:\Alcohol Data\VFL04302015\VFL04302015.0006.BND	4/30/2015 3:53:27 PM
6	0.4	379198.8	947997	0.347	0.4	2.126505	C:\Alcohol Data\VFL04302015\VFL04302015.0007.BND	4/30/2015 4:08:19 PM

15-06-100 34 AB

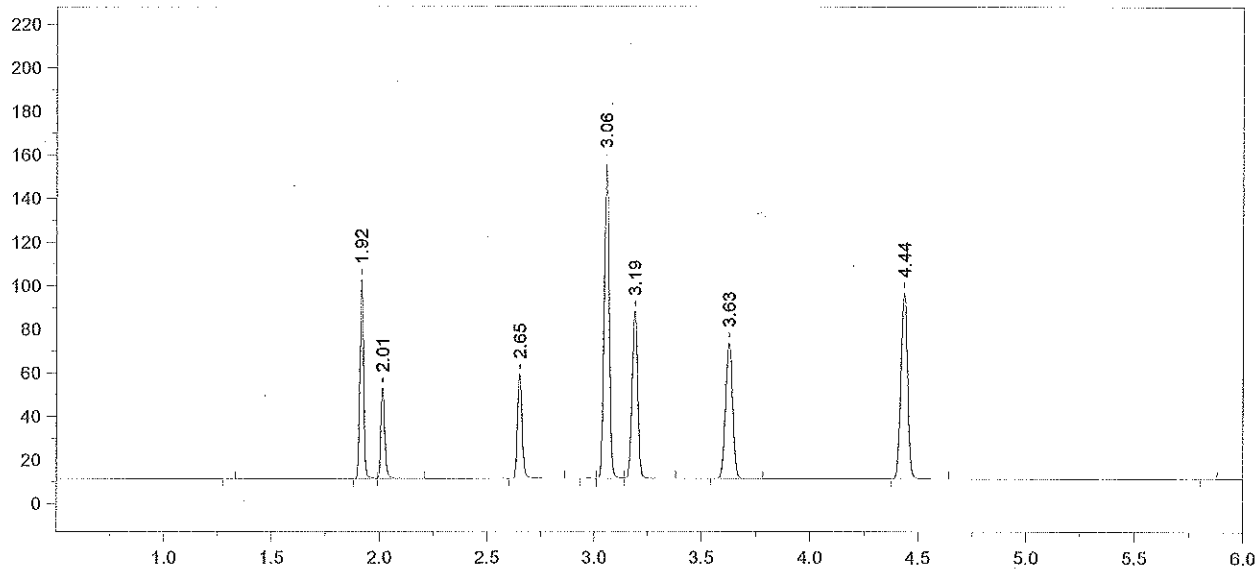


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:21:47 AM
Bound File Name = VFL04302015.0001.RAW
Sample Name = Blank
Date Taken = 4/30/2015 2:33:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	144741	0.9429
5	4.44	n-Propanol	199002	1.0000

15-06-100 35 AB

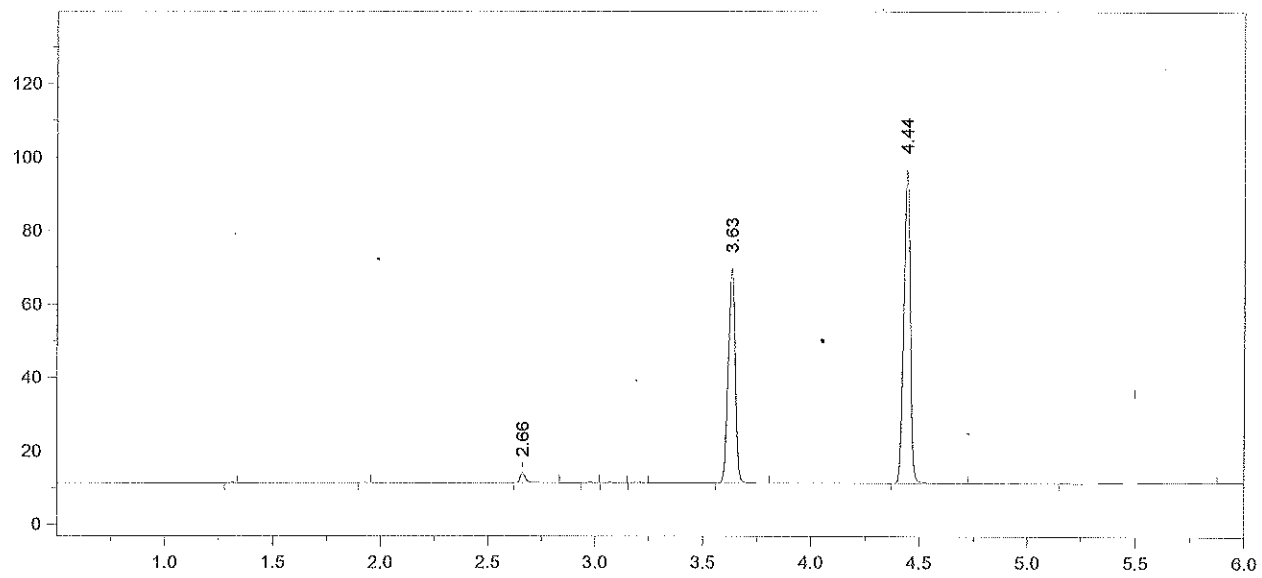


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:21:55 AM
Bound File Name = VFL04302015.0002.RAW
Sample Name = TMX
Date Taken = 4/30/2015 2:50:32 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	1.92	Acetaldehyde	106872	0.0695
4	2.01	Methanol	53524	0.1232
5	2.65	Ethanol	74708	0.0777
7	3.06	Acetone	247388	0.0657
8	3.19	Isopropanol	144369	0.0848
9	3.63	t-Butanol	144250	1.0301
10	4.44	n-Propanol	181538	1.0000

15-06-100 36 AB

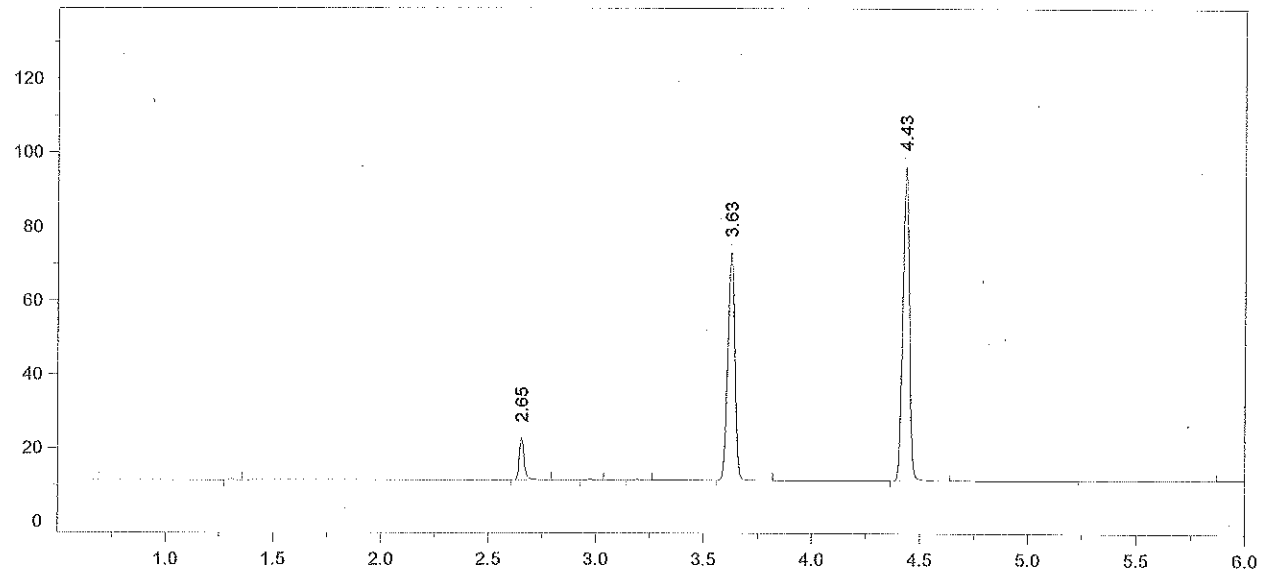


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:22:00 AM
Bound File Name = VFL04302015.0003.RAW
Sample Name = Std A
Date Taken = 4/30/2015 3:03:48 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	04906	0.0051
7	3.63	t-Butanol	135811	0.9658
8	4.44	n-Propanol	182295	1.0000

15-06-100 37 AB

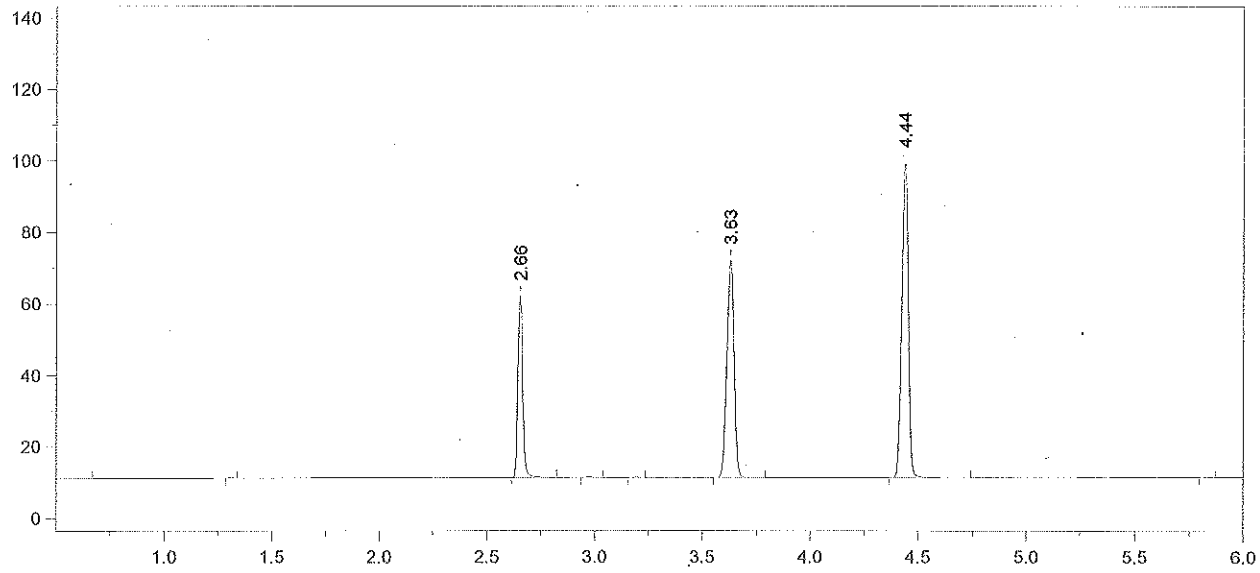


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:22:06 AM
Bound File Name = VFL04302015.0004.RAW
Sample Name = Std B
Date Taken = 4/30/2015 3:21:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	18517	0.0194
5	3.63	t-Butanol	142922	1.0285
6	4.43	n-Propanol	180151	1.0000

15-06-100 38 AB

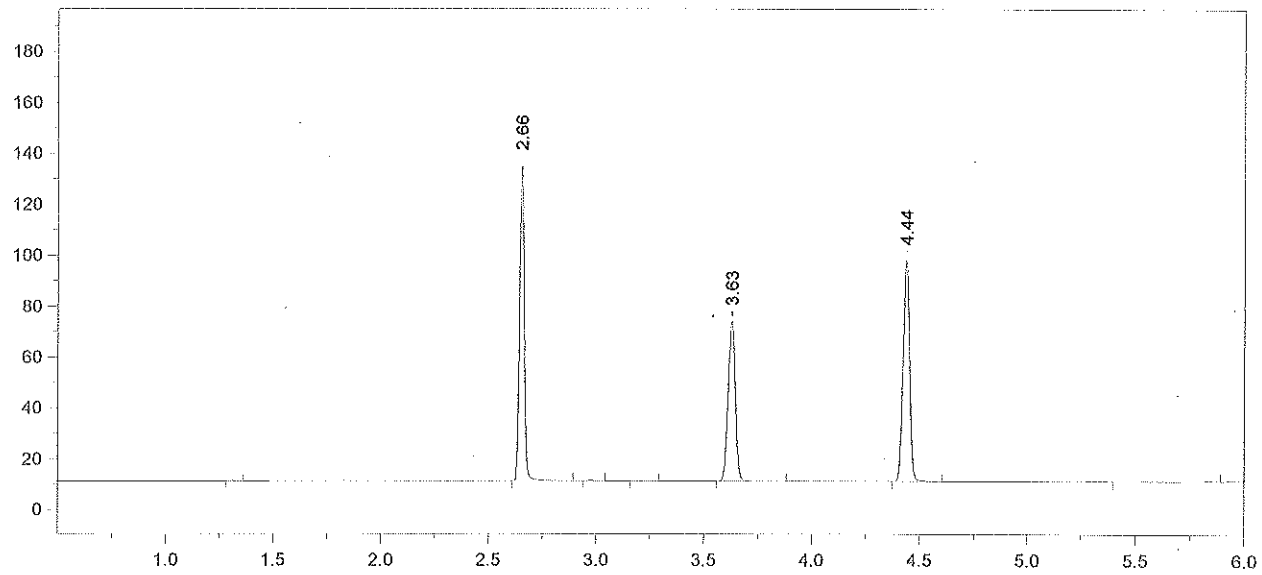


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:22:12 AM
Bound File Name = VFL04302015.0005.RAW
Sample Name = Std C
Date Taken = 4/30/2015 3:35:44 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	79320	0.0799
6	3.63	t-Butanol	140505	0.9722
7	4.44	n-Propanol	187348	1.0000

15-06-102 39 AB

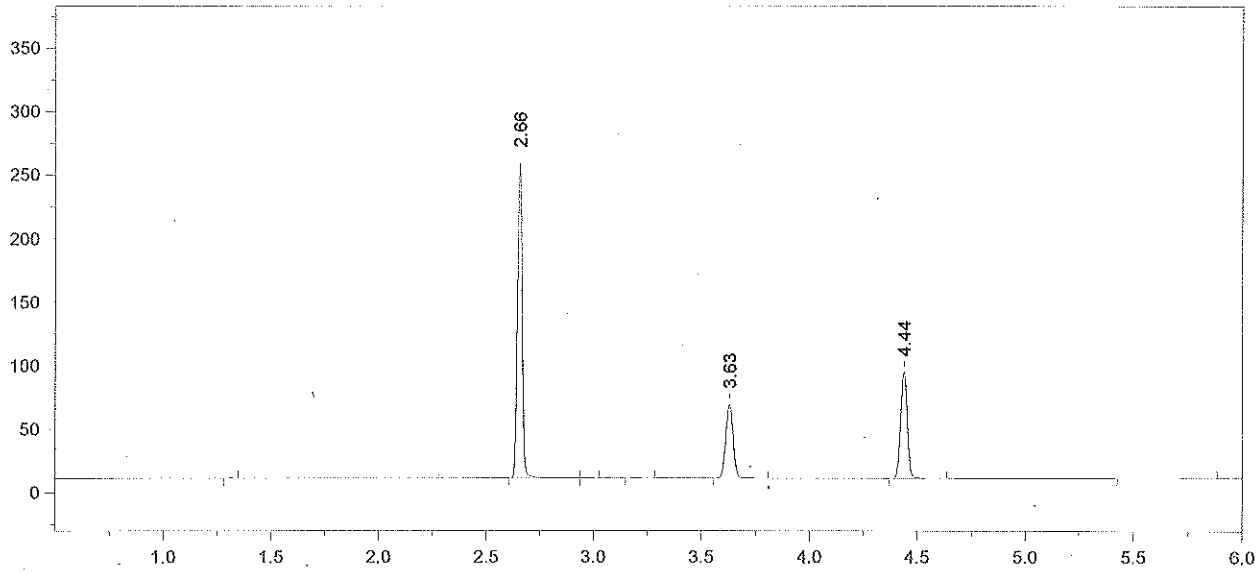


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:22:18 AM
Bound File Name = VFL04302015.0006.RAW
Sample Name = Std D
Date Taken = 4/30/2015 3:53:21 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	192116	0.1973
5	3.63	t-Butanol	145070	1.0233
6	4.44	n-Propanol	183781	1.0000

15-06-100 40 AB

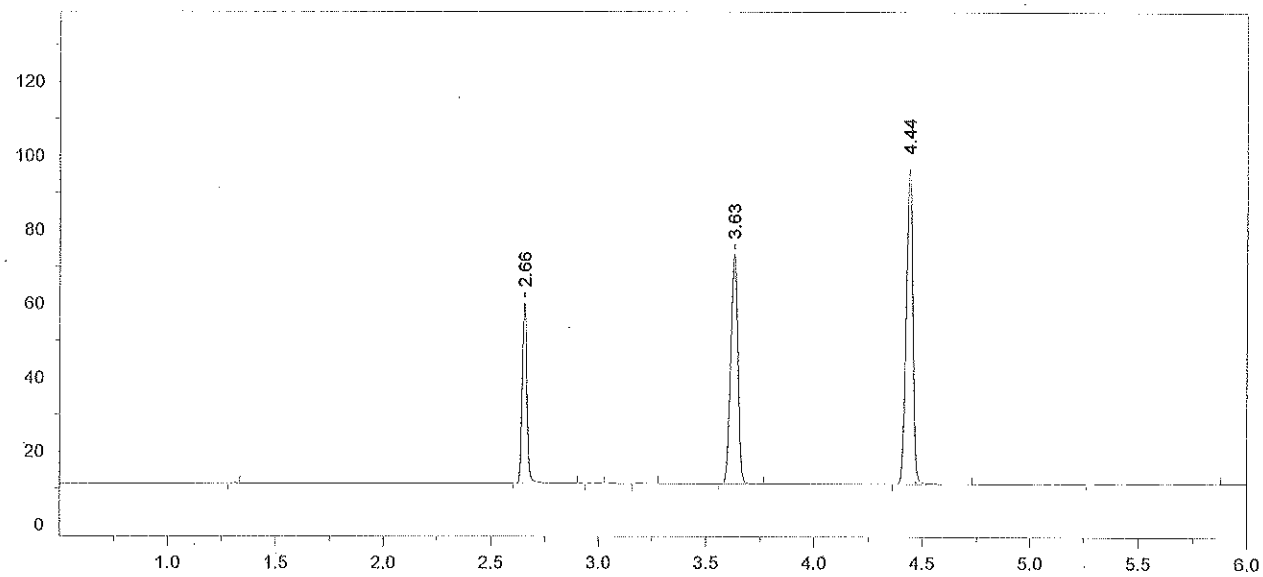


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 7:22:24 AM
Bound File Name = VFL04302015.0007.RAW
Sample Name = Std E
Date Taken = 4/30/2015 4:08:14 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	379199	0.4014
6	3.63	t-Butanol	134828	0.9802
7	4.44	n-Propanol	178320	1.0000

15-06-100 41 AB

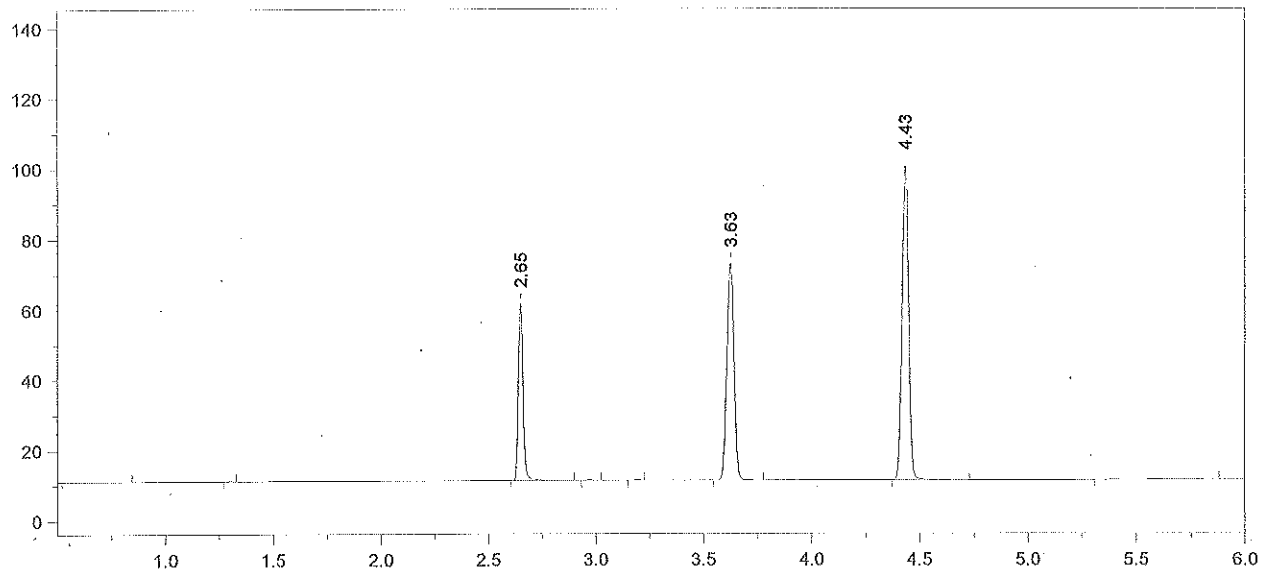


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 4:24:53 PM
Bound File Name = VFL04302015.0008.RAW
Sample Name = AQ QC
Date Taken = 4/30/2015 4:24:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76555	0.0793
5	3.63	t-Butanol	143917	1.0240
6	4.44	n-Propanol	182200	1.0000

15-06-100 42 AKB



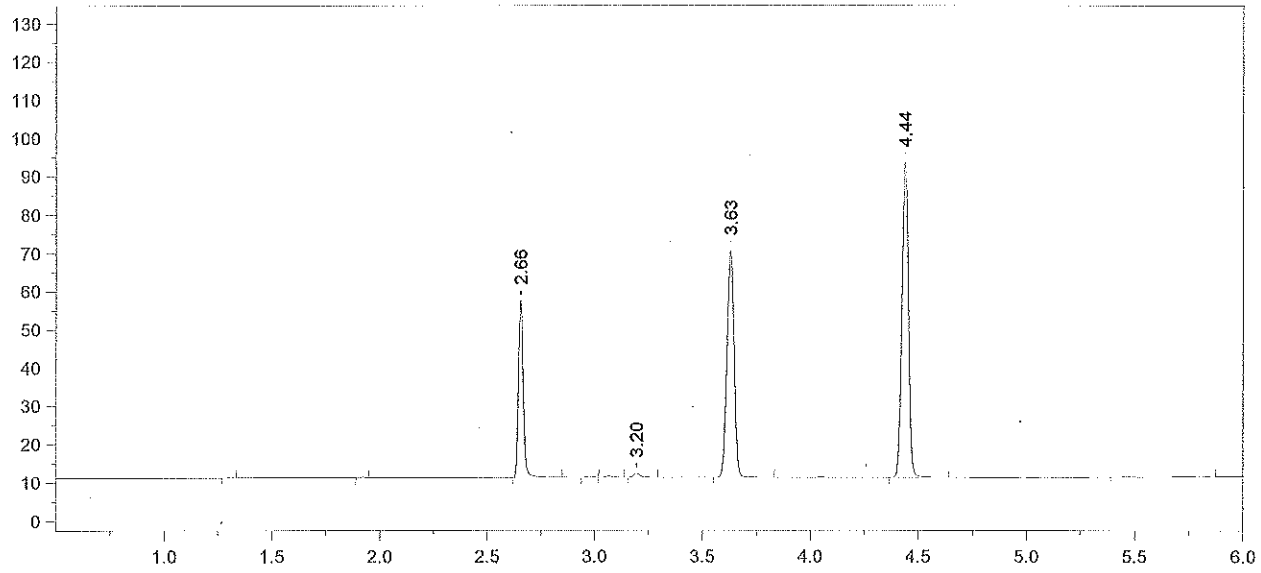
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 4:38:59 PM
Bound File Name = VFL04302015.0009.RAW
Sample Name = AQ QC
Date Taken = 4/30/2015 4:38:54 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	79180	0.0785
6	3.63	t-Butanol	143304	0.9755
7	4.43	n-Propanol	190429	1.0000

Cerilliant TV = 0.080
Lot # FN021111-03
Avg vals 8 + 9 = 0.079
AB 5/1/15

15-86-100 43 AB

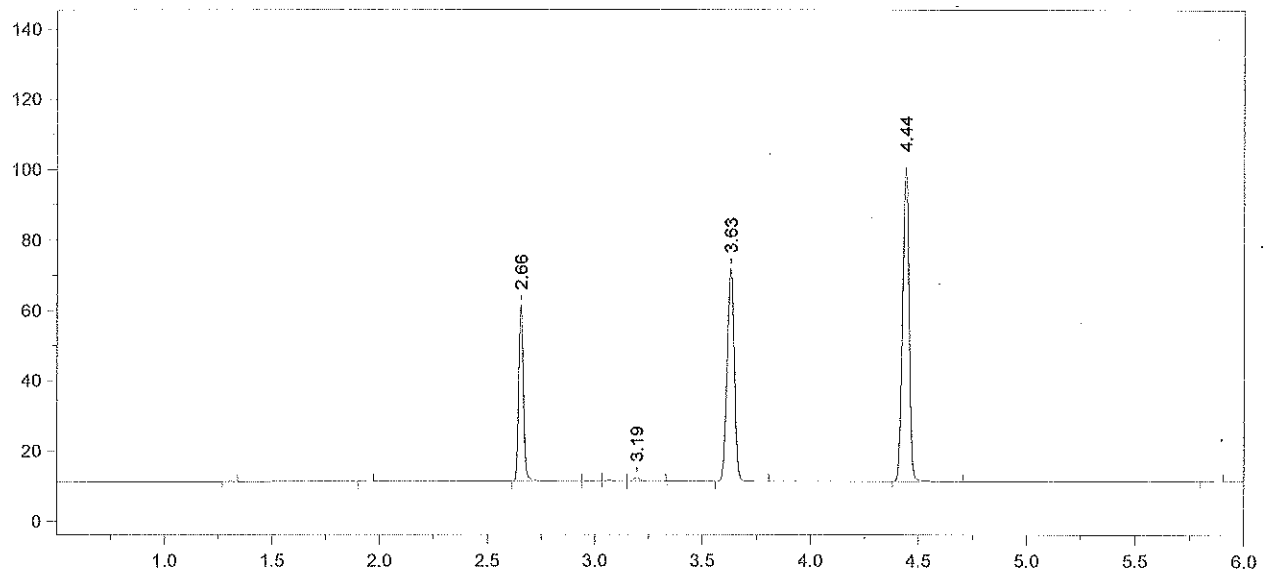


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 4:56:16 PM
Bound File Name = VFL04302015.0010.RAW
Sample Name = WB QC
Date Taken = 4/30/2015 4:56:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	72351	0.0778
6	3.20	Isopropanol	02079	<0.004
7	3.63	t-Butanol	137140	1.0133
8	4.44	n-Propanol	175442	1.0000

15-06-100 44 AB



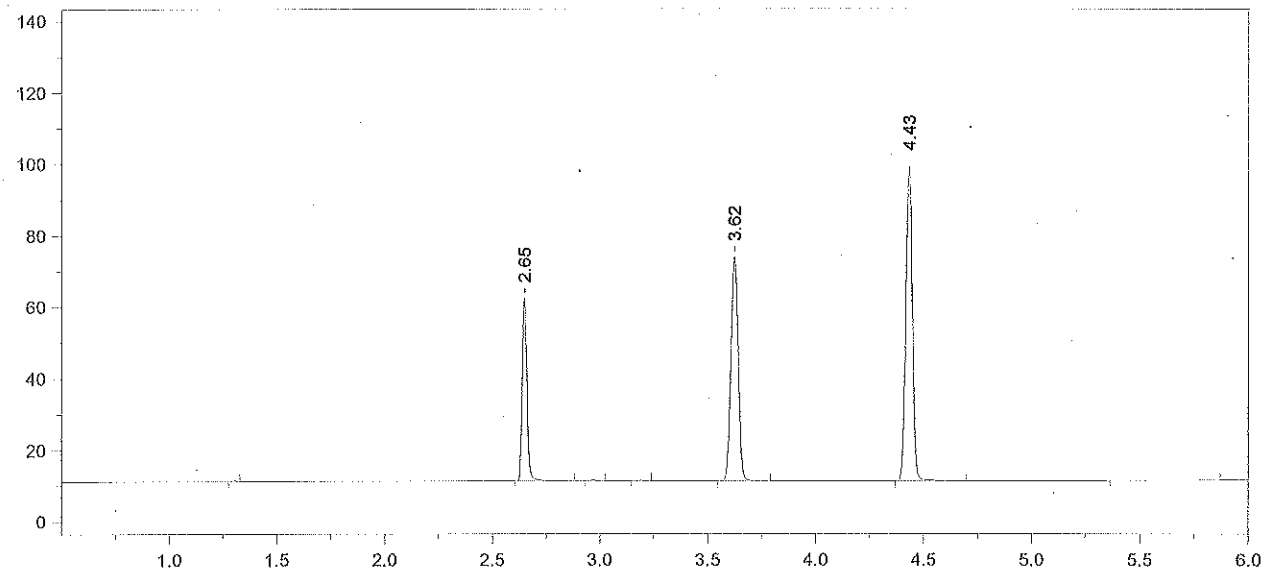
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 5:09:31 PM
Bound File Name = VFL04302015.0011.RAW
Sample Name = WB QC
Date Taken = 4/30/2015 5:09:27 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	78640	0.0780
6	3.19	Isopropanol	02262	<0.004
7	3.63	t-Butanol	140042	0.9538
8	4.44	n-Propanol	190343	1.0000

Cliniqa Lot # 1212090
TV = 0.080
Avg vals 10 + 11 = 0.078
5/1/15 AB

15-06-100 45 AB

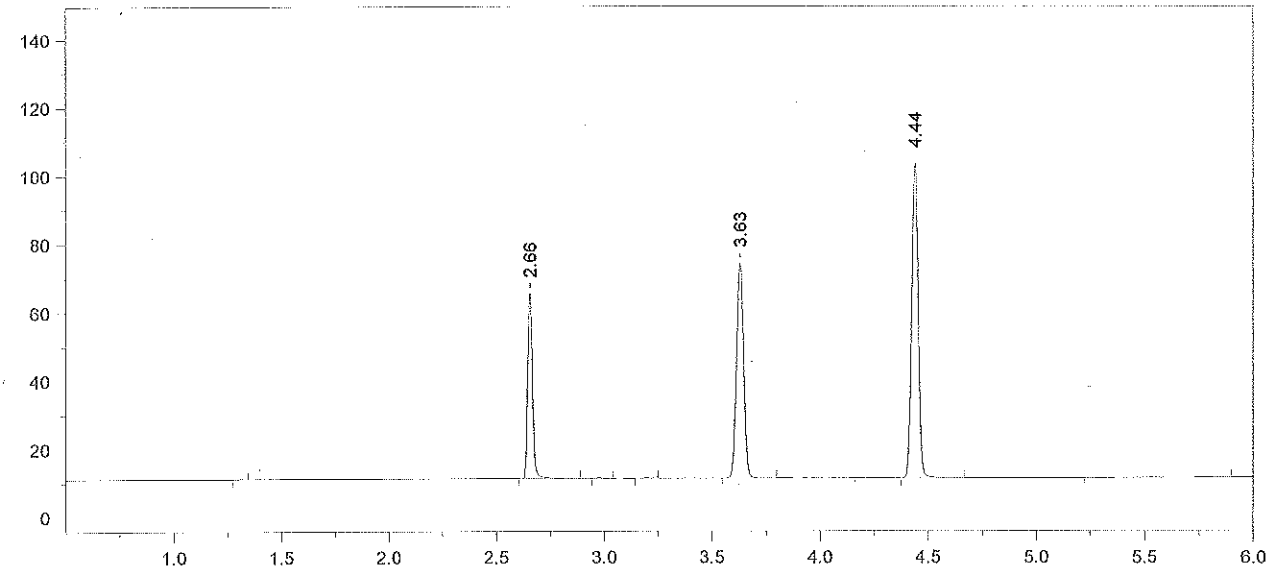


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 5:27:37 PM
Bound File Name = VFL04302015.0012.RAW
Sample Name = CCS
Date Taken = 4/30/2015 5:27:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79545	0.0802
5	3.62	t-Butanol	145462	1.0074
6	4.43	n-Propanol	187189	1.0000

15-06-100 46 A3



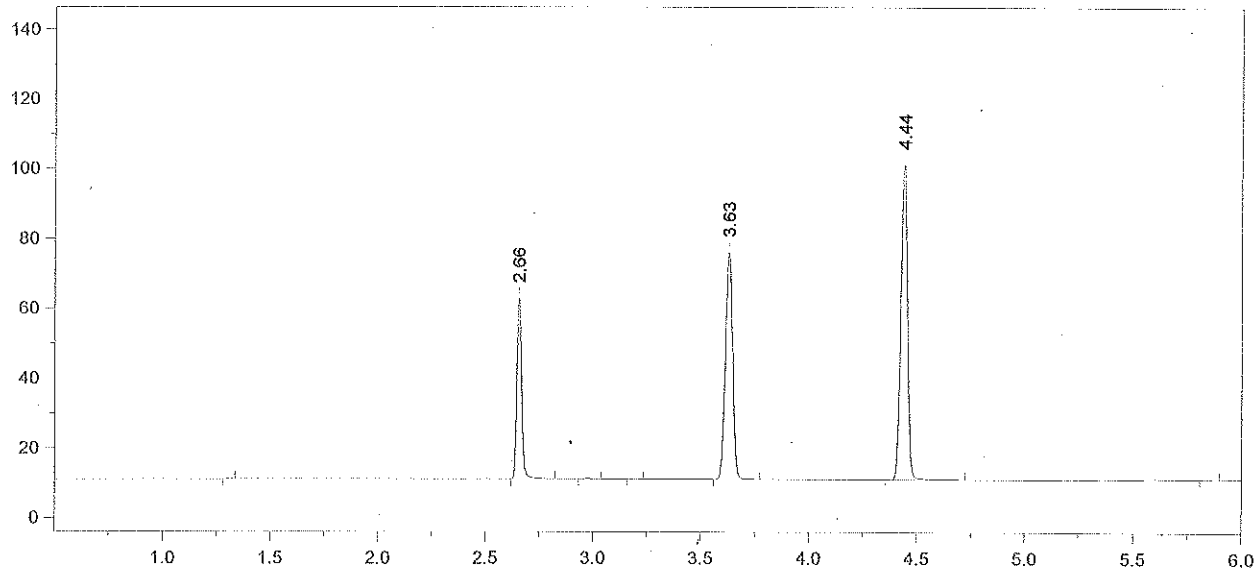
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 5:42:36 PM
Bound File Name = VFL04302015.0013.RAW
Sample Name = CCS
Date Taken = 4/30/2015 5:42:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	84410	0.0814
6	3.63	t-Butanol	145831	0.9659
7	4.44	n-Propanol	195720	1.0000

Avg vials 12 + 13 = 0.081
5/1/15 AB

15-06-100 47 AB

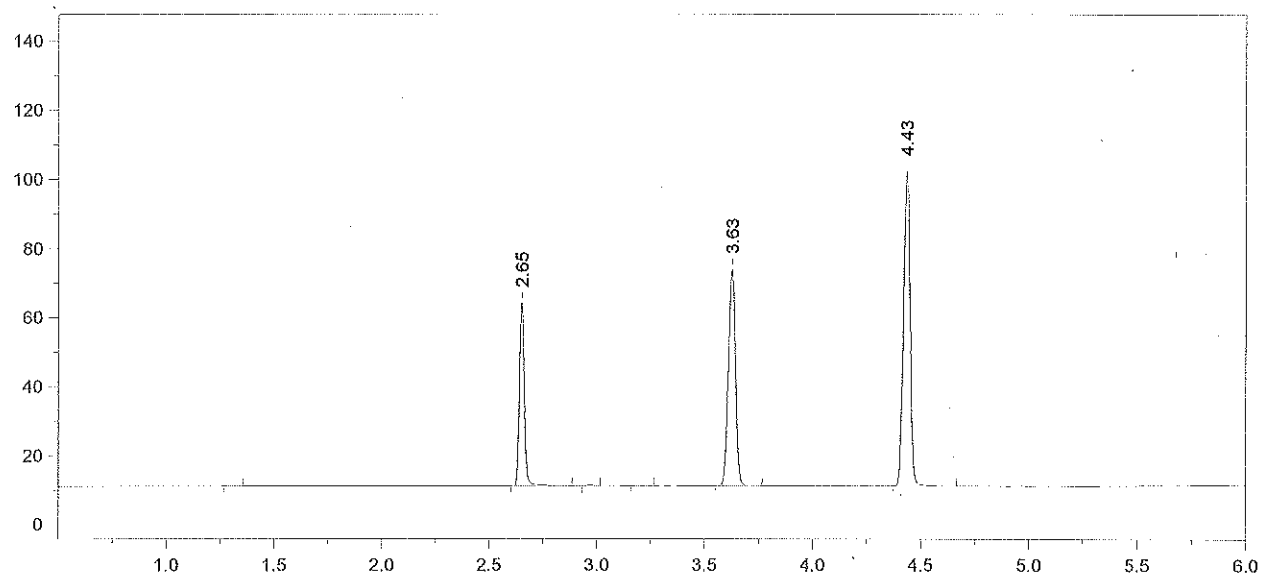


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 7:33:03 PM
Bound File Name = VFL04302015.0020.RAW
Sample Name = CCS
Date Taken = 4/30/2015 7:32:59 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80804	0.0793
5	3.63	t-Butanol	150345	1.0137
6	4.44	n-Propanol	192263	1.0000

15-06-100 48 AB



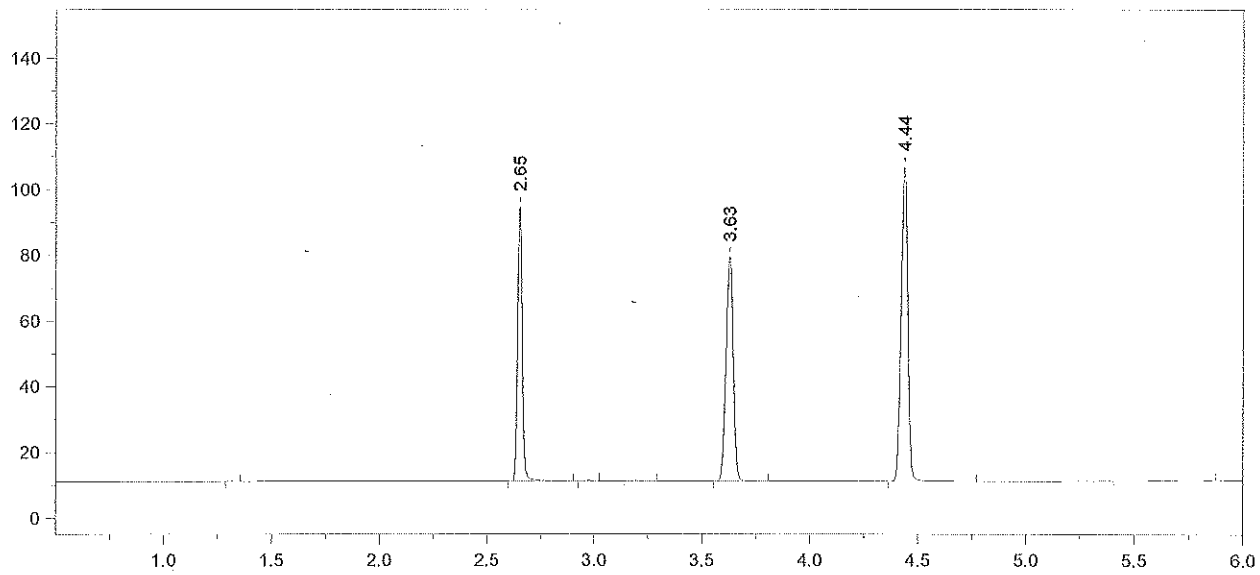
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 7:47:07 PM
Bound File Name = VFL04302015.0021.RAW
Sample Name = CCS
Date Taken = 4/30/2015 7:47:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83085	0.0808
5	3.63	t-Butanol	145251	0.9705
6	4.43	n-Propanol	194022	1.0000

Avg vals 20 + 21 = 0.080
5/1/15 AB

15-06-100 49 AB

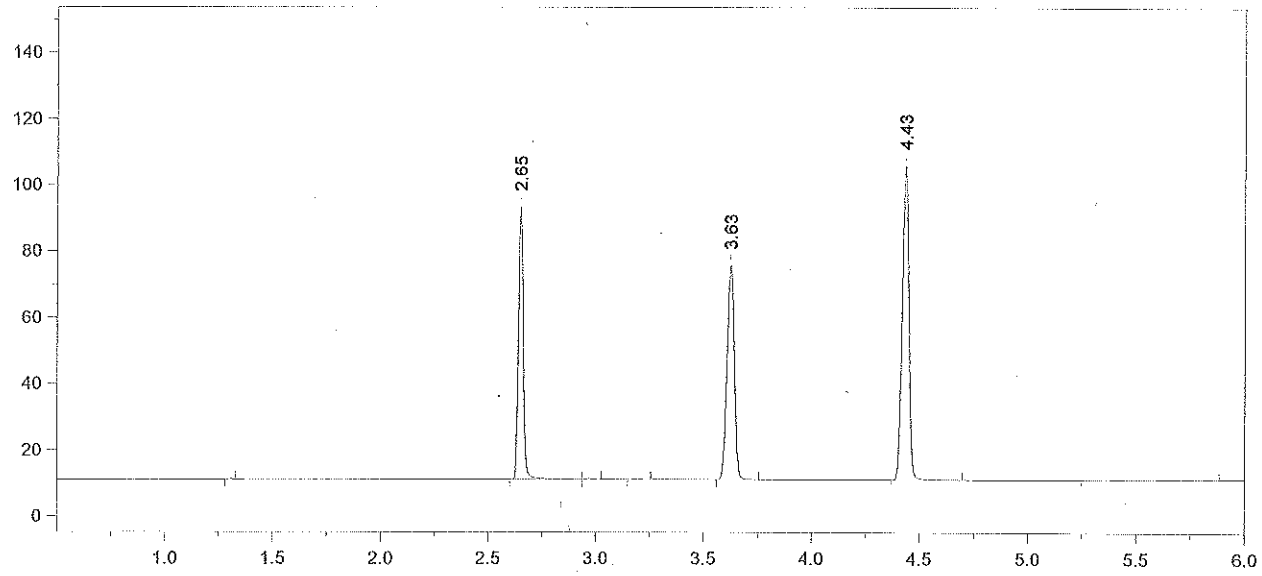


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 8:02:48 PM
Bound File Name = VFL04302015.0022.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 8:02:43 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128571	0.1189	0.0970
5	3.63	t-Butanol	158602	1.0070	0.8219
6	4.44	n-Propanol	204166	1.0000	0.8162

15-06-100 50 AB

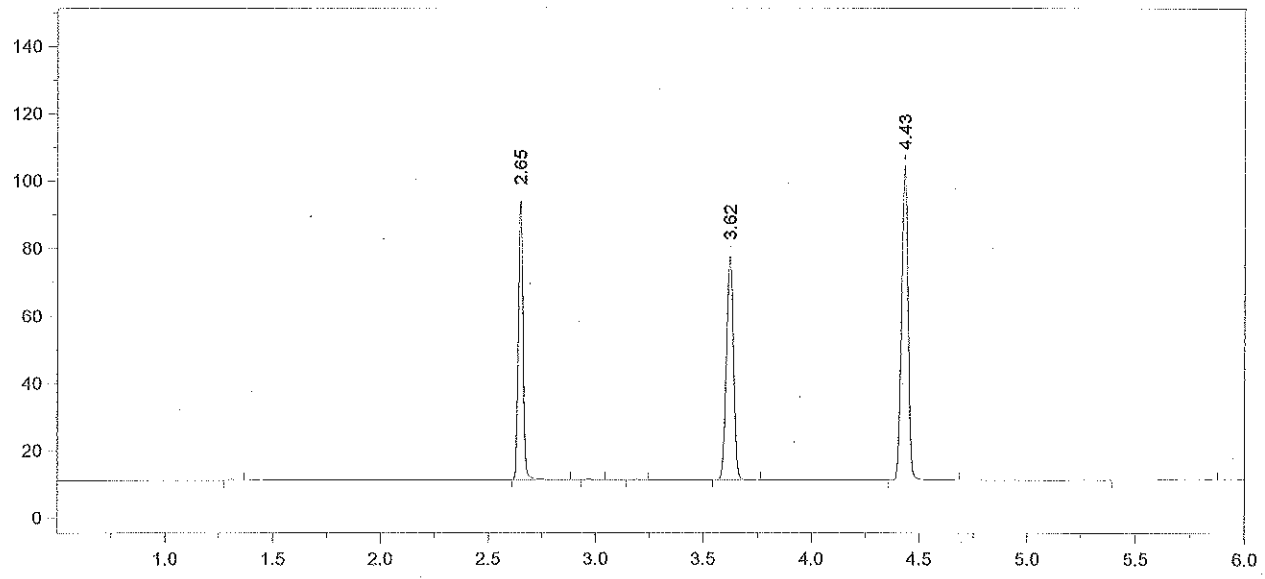


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 8:17:47 PM
Bound File Name = VFL04302015.0023.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 8:17:41 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	127117	0.1191	0.0972
5	3.63	t-Butanol	150222	0.9669	0.7892
6	4.43	n-Propanol	201405	1.0000	0.8162

15-06-100 51 AB

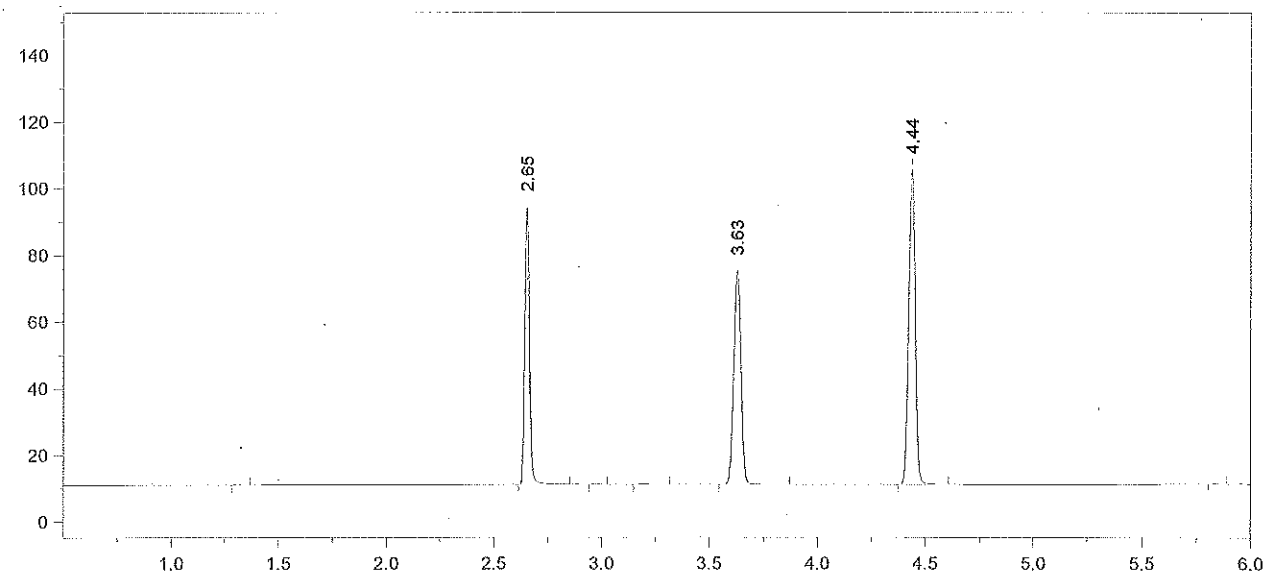


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 8:34:22 PM
Bound File Name = VFL04302015.0024.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 8:34:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128180	0.1213	0.0990
5	3.62	t-Butanol	154204	1.0022	0.8180
6	4.43	n-Propanol	199456	1.0000	0.8162

15-06-100 52 AB

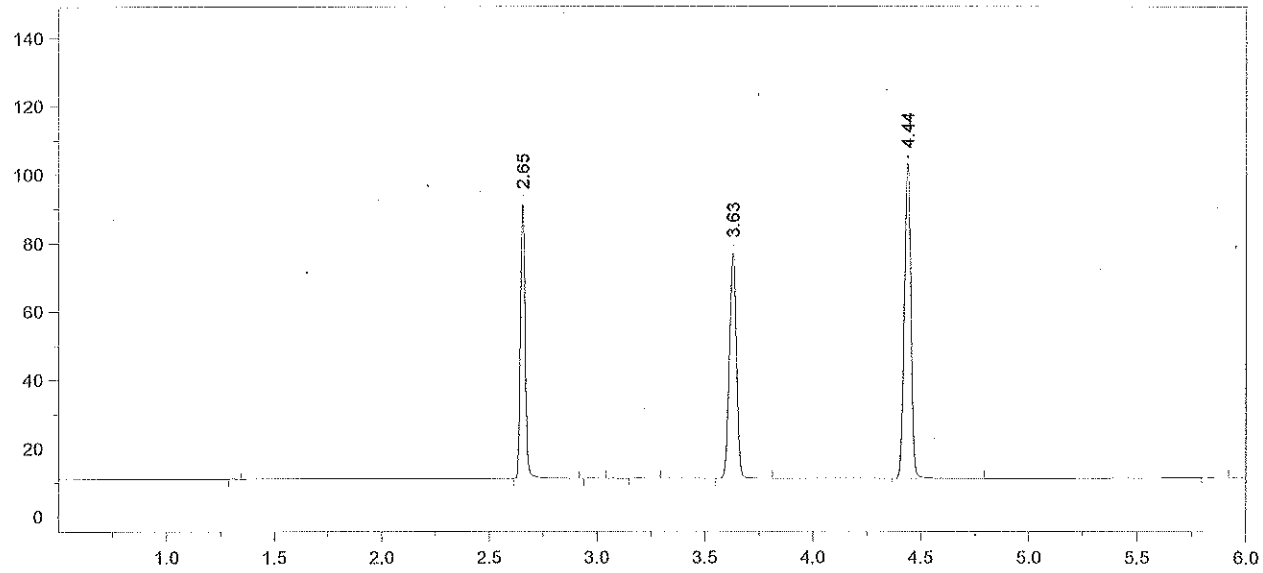


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 8:49:02 PM
Bound File Name = VFL04302015.0025.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 8:48:53 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	128625	0.1215	0.0992
5	3.63	t-Butanol	149701	0.9714	0.7929
6	4.44	n-Propanol	199771	1.0000	0.8162

15-06-100 53 AB

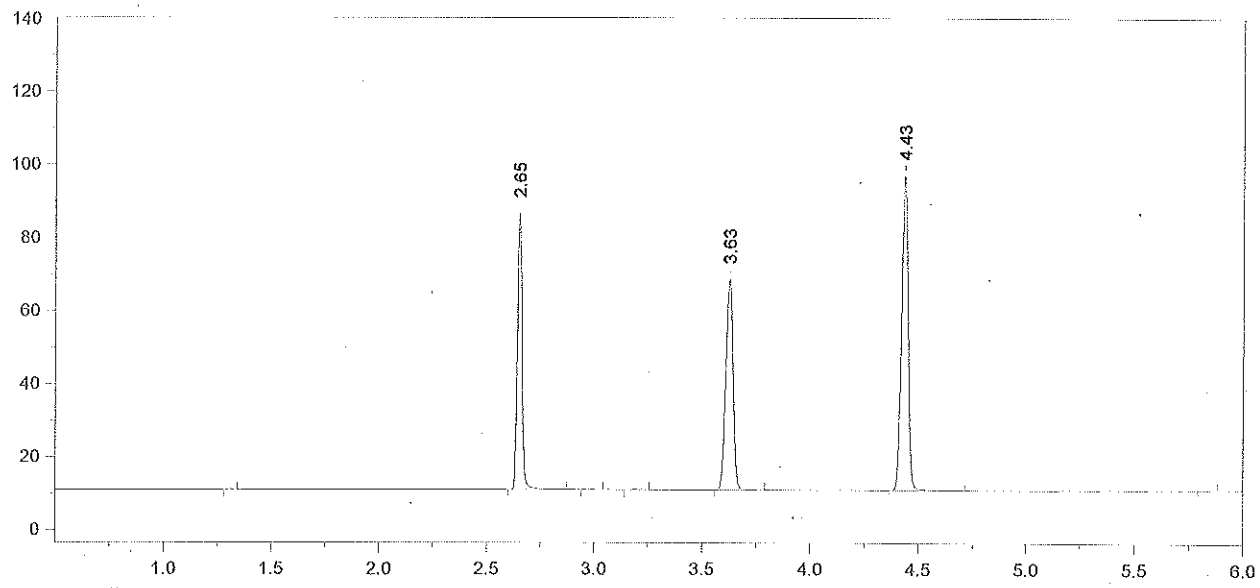


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 9:04:03 PM
Bound File Name = VFL04302015.0026.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 9:03:56 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	125229	0.1201	0.0980
5	3.63	t-Butanol	152290	1.0032	0.8188
6	4.44	n-Propanol	196795	1.0000	0.8162

15-06-100 54 AB

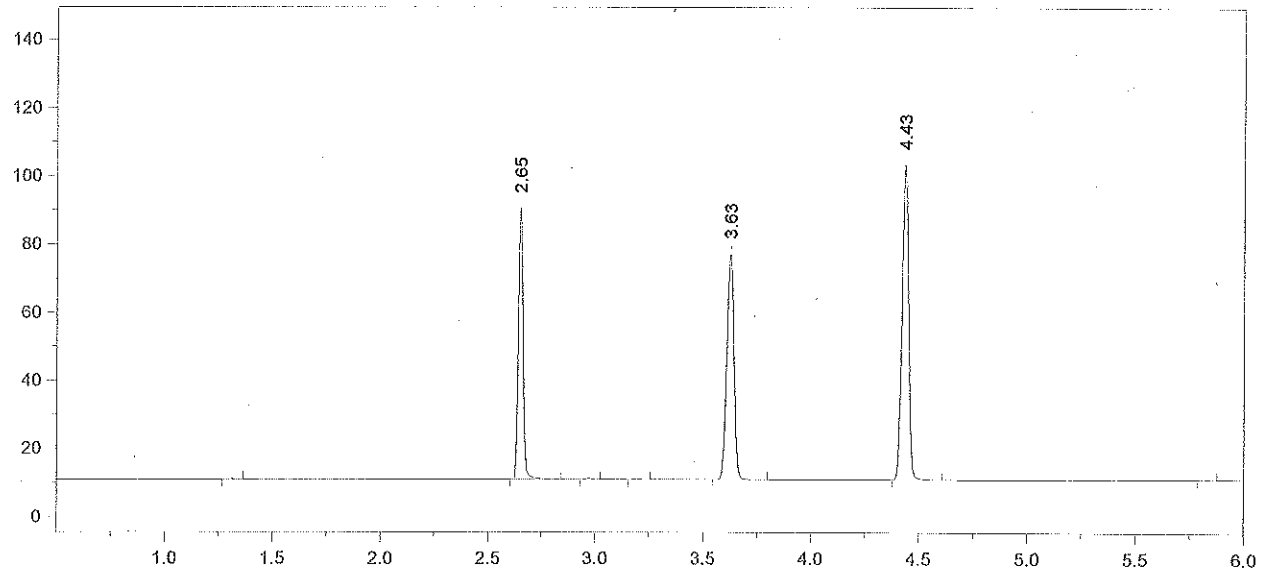


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 9:19:02 PM
Bound File Name = VFL04302015.0027.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 9:18:54 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	118424	0.1222	0.0997
5	3.63	t-Butanol	133936	0.9490	0.7746
6	4.43	n-Propanol	182962	1.0000	0.8162

15-06-100 55 AB

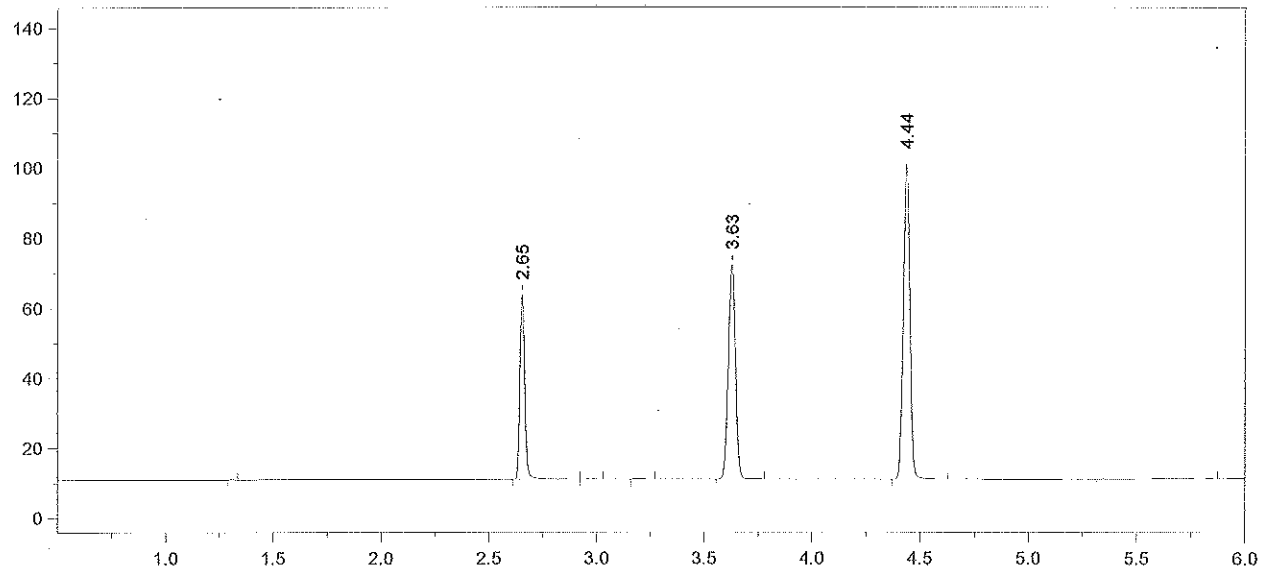


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 9:35:35 PM
Bound File Name = VFL04302015.0028.RAW
Sample Name = 0.10 ALB
Date Taken = 4/30/2015 9:35:31 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	124155	0.1191	0.0972
5	3.63	t-Butanol	153181	1.0088	0.8234
6	4.43	n-Propanol	196840	1.0000	0.8162

AB 5/11/15
X 15-06-100 56 AB

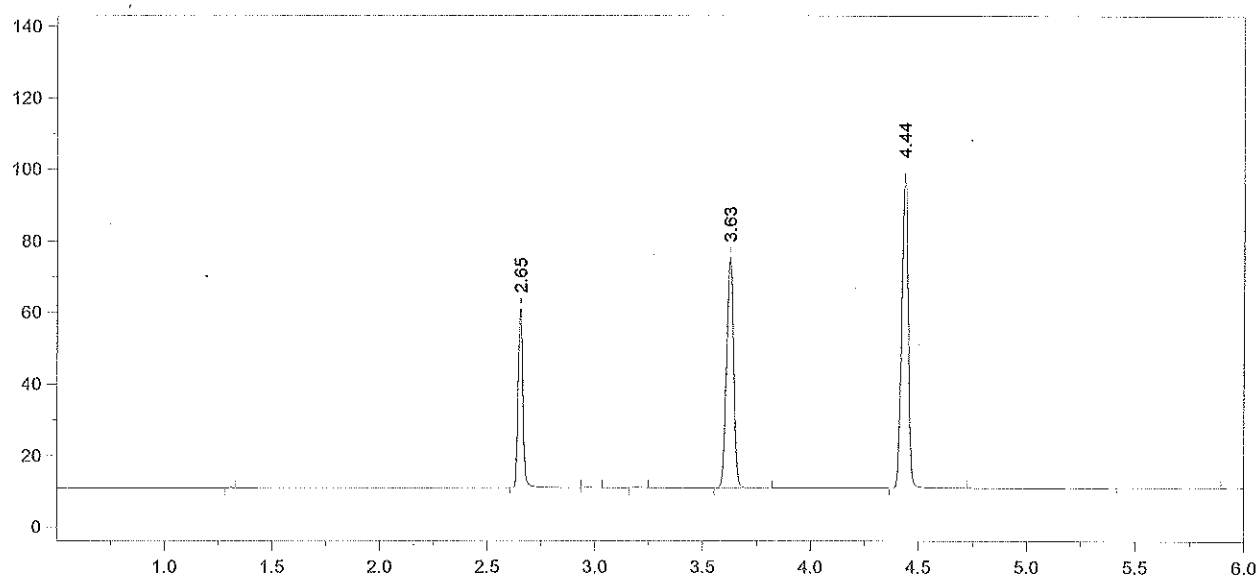


Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 9:49:32 PM
Bound File Name = VFL04302015.0029.RAW
Sample Name = CCS
Date Taken = 4/30/2015 9:49:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82251	0.0815
5	3.63	t-Butanol	142078	0.9666
6	4.44	n-Propanol	190541	1.0000

15-06-100 57 AB



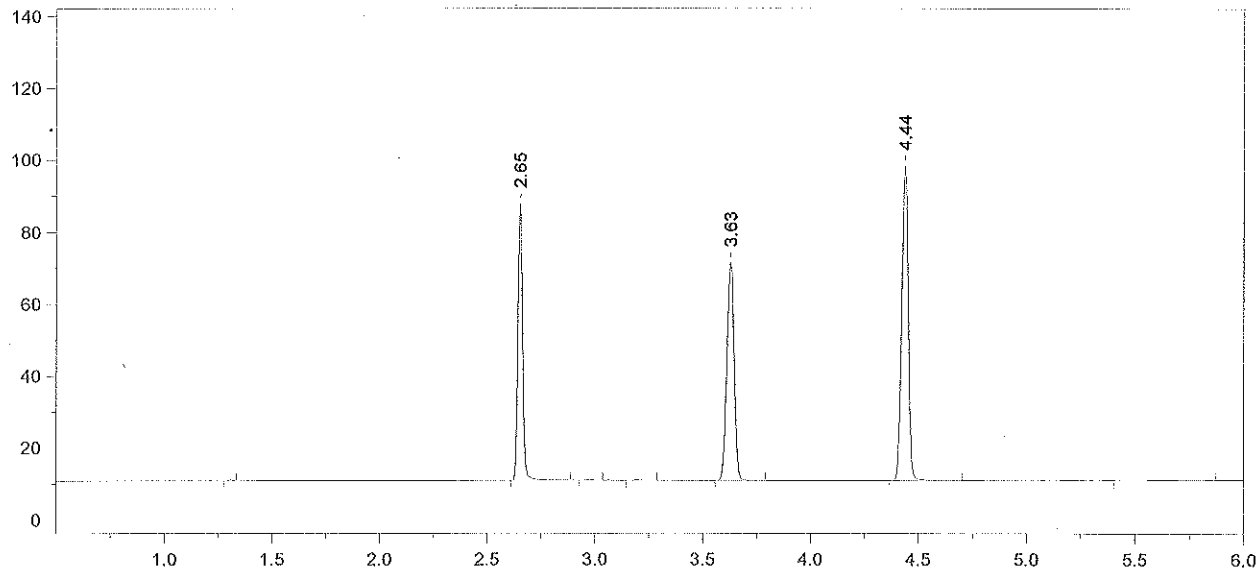
Format File Name = AlcoholVFL.FMT

Today's Date = 4/30/2015
Today's Time = 10:07:00 PM
Bound File Name = VFL04302015.0030.RAW
Sample Name = CCS
Date Taken = 4/30/2015 10:06:55 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78105	0.0783
5	3.63	t-Butanol	149267	1.0280
6	4.44	n-Propanol	188239	1.0000

Avg vals 29 + 30 = 0.080
5/1/15 AB

15-06-100 58 AB

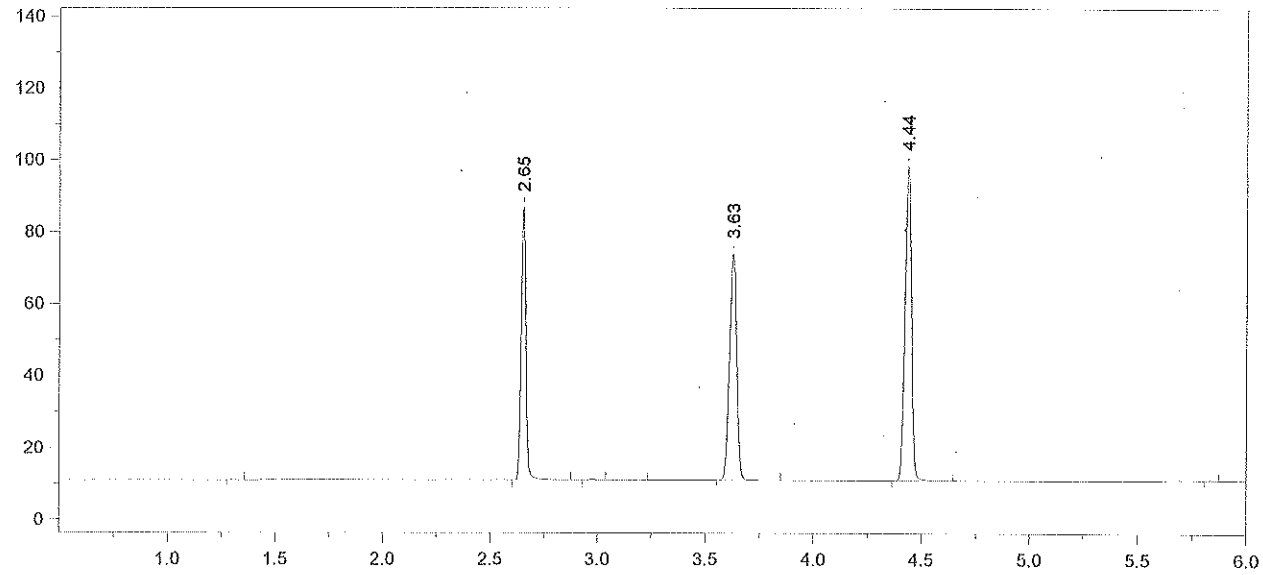


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 10:21:11 PM
Bound File Name = VFL04302015.0031.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 10:21:03 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	118997	0.1209	0.0987
5	3.63	t-Butanol	140732	0.9817	0.8013
6	4.44	n-Propanol	185831	1.0000	0.8162

15-06-100 59

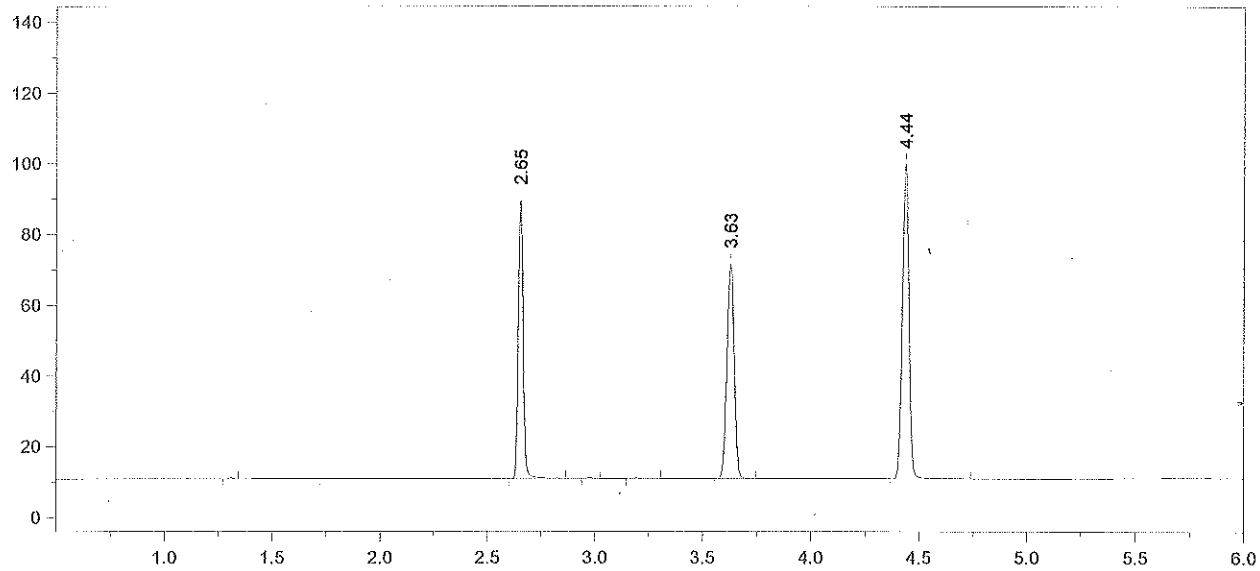


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 10:36:52 PM
Bound File Name = VFL04302015.0032.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 10:36:44 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	117303	0.1193	0.0974
5	3.63	t-Butanol	146504	1.0231	0.8351
6	4.44	n-Propanol	185631	1.0000	0.8162

15-06-100 60 AB

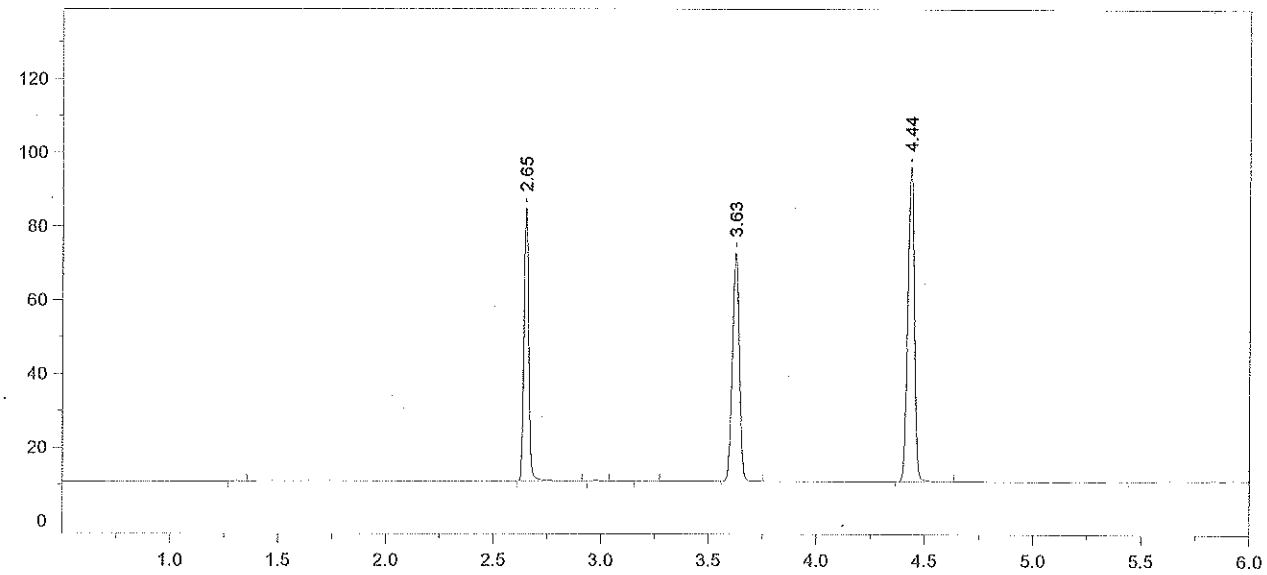


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 10:52:20 PM
Bound File Name = VFL04302015.0033.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 10:52:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	121419	0.1215	0.0992
5	3.63	t-Butanol	140616	0.9664	0.7888
6	4.44	n-Propanol	188622	1.0000	0.8162

15-06-100 61 AB

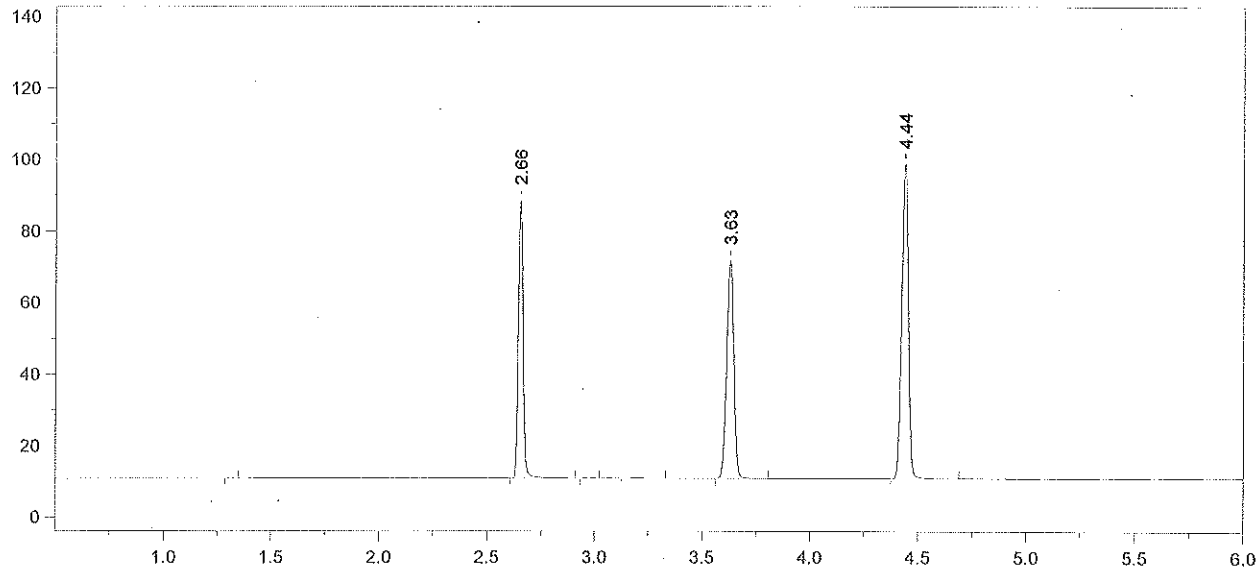


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 11:08:19 PM
Bound File Name = VFL04302015.0034.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 11:08:11 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	115236	0.1193	0.0974
5	3.63	t-Butanol	143742	1.0223	0.8344
6	4.44	n-Propanol	182275	1.0000	0.8162

15-06-100 62

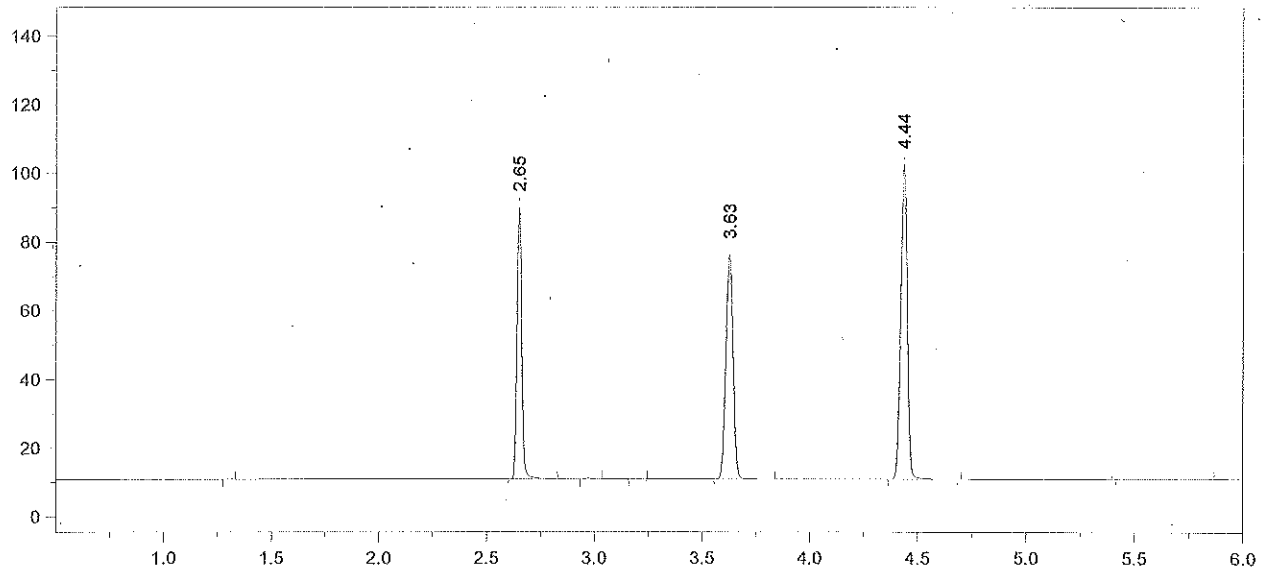


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 11:22:30 PM
Bound File Name = VFL04302015.0035.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 11:22:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120442	0.1211	0.0989
5	3.63	t-Butanol	140789	0.9725	0.7937
6	4.44	n-Propanol	187674	1.0000	0.8162

15-06-100 63 AB

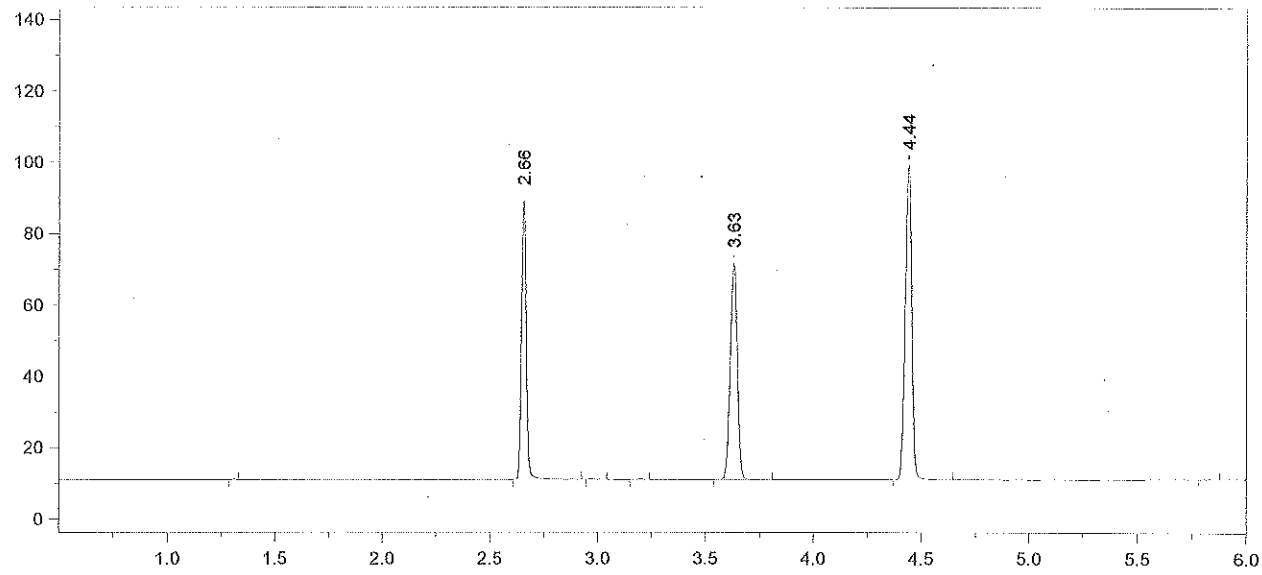


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 11:38:00 PM
Bound File Name = VFL04302015.0036.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 11:37:55 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.65	Ethanol	121996	0.1186	0.0968
6	3.63	t-Butanol	152388	1.0171	0.8302
7	4.44	n-Propanol	194220	1.0000	0.8162

15-06-100 64 AB

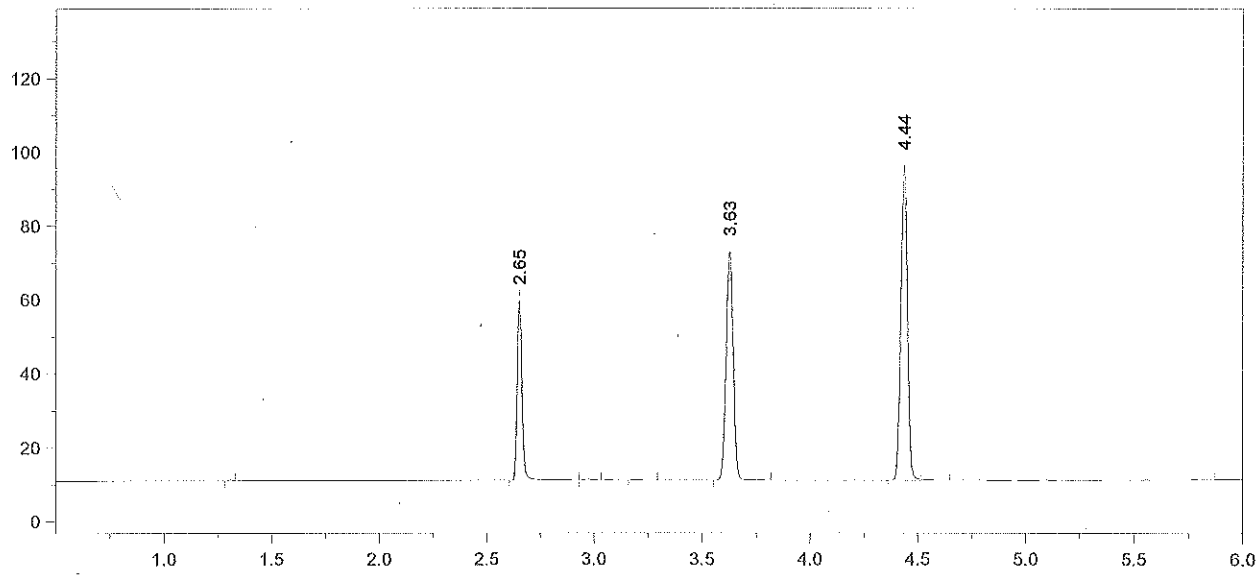


Format File Name = simsolnVFL.met.FMT

Today's Date = 4/30/2015 Today's Time = 11:53:29 PM
Bound File Name = VFL04302015.0037.RAW
Sample Name = 0.10 RLM
Date Taken = 4/30/2015 11:53:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL04302015.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120797	0.1216	0.0993
5	3.63	t-Butanol	140631	0.9723	0.7936
6	4.44	n-Propanol	187492	1.0000	0.8162

15-06-100 65 AB

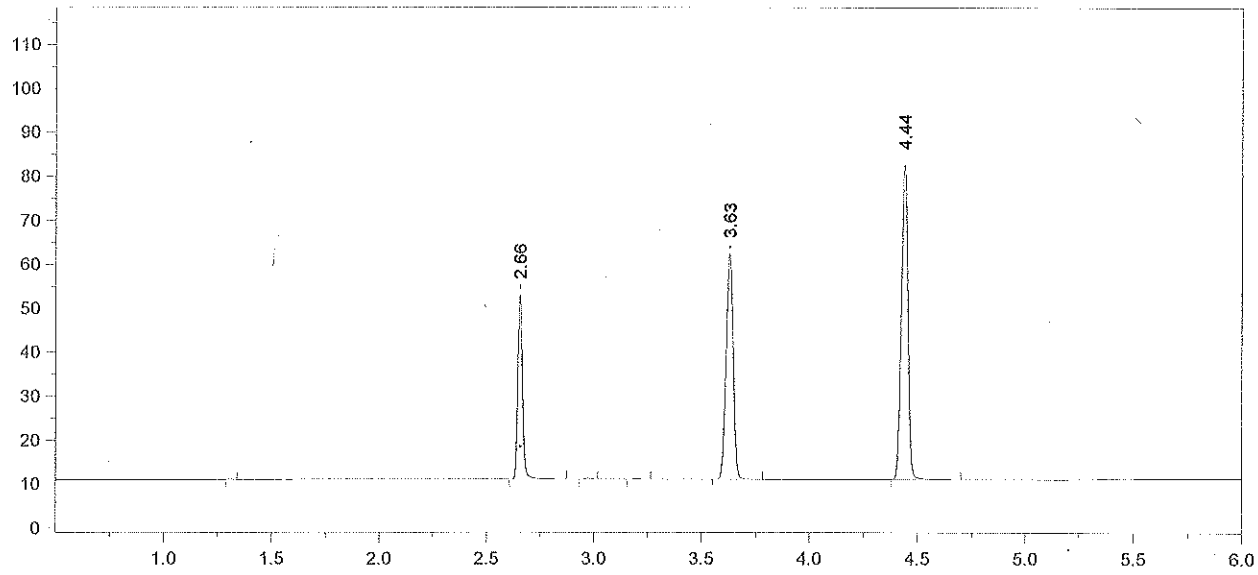


Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 12:09:34 AM
Bound File Name = VFL04302015.0038.RAW
Sample Name = CCS
Date Taken = 5/1/2015 12:09:27 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75940	0.0793
5	3.63	t-Butanol	143853	1.0320
6	4.44	n-Propanol	180705	1.0000

15-06-100 66 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 5/1/2015
Today's Time = 12:23:43 AM
Bound File Name = VFL04302015.0039.RAW
Sample Name = CCS
Date Taken = 5/1/2015 12:23:38 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL04302015.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	65648	0.0810
5	3.63	t-Butanol	118929	1.0074
6	4.44	n-Propanol	153035	1.0000

Avg vals 38 + 39 = 0.080
5/1/15 AS

15-06-100 67 AB