VERMONT FORENSIC LABORATORY

SIMULATOR SOLUTION
~~BLOOD ALCOHOL~~ DATA REVIEW CHECKLIST
RLM 7/9/14

LOT #
~~AGENCY CASE#:~~ 14-08-080 ANALYST: RLM
LAB #: N/A RLM 7/9/14

TECHNICAL REVIEWER: [illegible] DATE: 7/11/14

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

Comments:

ADMINISTRATIVE REVIEWER: [illegible] DATE: 7/15/2014

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

Comments:

DIRECTOR REVIEWER: [illegible] DATE: 7/15/2014

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

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster Certification Solution

On 7/3/2014, 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 14-08-080 and an expiration date of 7/3/2015.

On 7/7/2014 and 7/8/2014, the solution was analyzed against calibration VFL07072014 and SIM07082014. 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 0.079 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Waterbury, Vermont on Wednesday, July 09, 2014.

Rebecca Mead

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.08 Certification Solution 5L
Lot # 14-08-080
Prepared 7/3/2014 by RLM
Exp 7/3/2015

RLM CALVFL07072014
RLM/ALB Vials
Analyzed on 7/7/2014

0.0780	rlm
0.0798	
0.0785	
0.0803	
0.0788	
0.0803	
0.0786	
0.0805	alb
0.0787	
0.0814	
0.0793	
0.0798	
0.0796	
0.0791	

Ave. =	0.0795
Std Dev. =	0.0009
Range =	0.0780-0.0814

ALB CAL SIM07082014
RLM/ALB Vials
Analyzed on 7/8/2014

0.0780	rlm
0.0793	
0.0778	
0.0791	
0.0778	
0.0810	
0.0779	
0.0789	alb
0.0793	
0.0805	
0.0790	
0.0807	
0.0799	
0.0809	

Ave. =	0.0793
Std Dev. =	0.0012
Range =	0.0778-0.0810

Total Values from Both Runs

Average	Mean
0.0780	0.0778
0.0798	
0.0785	0.0779
0.0803	0.0780
0.0788	
0.0803	0.0785
0.0786	0.0786
0.0805	0.0787
0.0787	0.0788
0.0814	0.0789
0.0793	0.0790
0.0798	0.0791
0.0796	
0.0791	0.0793
0.0780	
0.0793	
0.0778	0.0796
0.0791	0.0798
0.0778	
0.0810	0.0799
0.0779	0.0803
0.0789	
0.0793	0.0805
0.0805	
0.0790	0.0807
0.0807	0.0809
0.0799	0.0810
0.0809	0.0814

Ave. =	0.0794
Avg Std Dev. =	0.0010
Mean =	0.0794
Mean Std Dev. =	0.0011
Range =	0.0778-0.0814
RPD =	4.53%

File Name: C:\Methods\VFL07072014.CAL
Version: 7

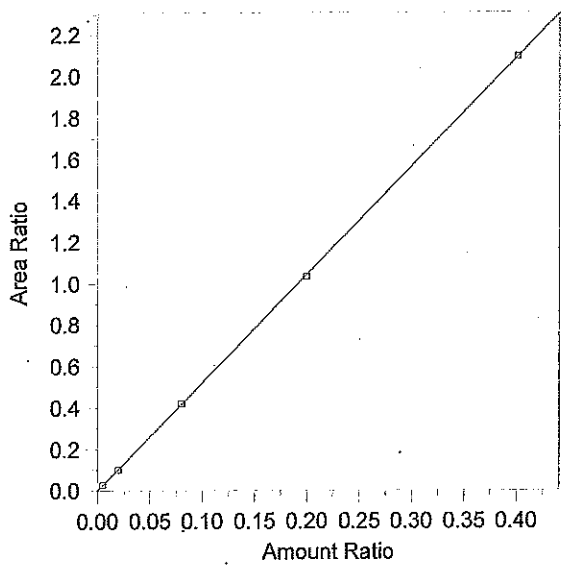
Creator:
Description:
Reason for change:

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 = 5.2187 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999595
Average error:	2.443%
Average CF:	5.280852
RSD:	4.011%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.091)	(85146)	--	--	0.091	85146	Manual	8/12/2013 4:03:34 PM
2	0.0049	5484.375	1119260	8.160	0.0049	0.0276584	C:\Alcohol Data\SIM07072014\SIM07072014.0003.BND	7/7/2014 12:33:56 PM
3	0.0197	19830.75	1006637	-2.250	0.0197	0.1004951	C:\Alcohol Data\SIM07072014\SIM07072014.0004.BND	7/7/2014 12:51:44 PM
4	0.0801	85044.93	1061735	0.730	0.0801	0.4210704	C:\Alcohol Data\SIM07072014\SIM07072014.0005.BND	7/7/2014 1:05:25 PM
5	0.1998	200734.3	1004676	-0.879	0.1998	1.033531	C:\Alcohol Data\SIM07072014\SIM07072014.0006.BND	7/7/2014 1:23:09 PM
6	0.4011	431571.6	1075970	0.193	0.4011	2.097265	C:\Alcohol Data\SIM07072014\SIM07072014.0007.BND	7/7/2014 1:36:21 PM

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File Name = C:\Alcohol Data\SIM07072014\SIM07072014.SEQ
Version = 1
File Date = 7/7/2014 11:24:00 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM07072014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM07072014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM07072014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM07072014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM07072014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM07072014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM07072014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM07072014.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM07072014.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM07072014.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM07072014.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM07072014.0012.raw	simsoln.met	0.1 RLM	1.00	1.00
13	SIM07072014.0013.raw	simsoln.met	0.1 RLM	1.00	1.00
14	SIM07072014.0014.raw	simsoln.met	0.1 RLM	1.00	1.00
15	SIM07072014.0015.raw	simsoln.met	0.1 RLM	1.00	1.00
16	SIM07072014.0016.raw	simsoln.met	0.1 RLM	1.00	1.00
17	SIM07072014.0017.raw	simsoln.met	0.1 RLM	1.00	1.00
18	SIM07072014.0018.raw	simsoln.met	0.1 RLM	1.00	1.00
19	SIM07072014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM07072014.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM07072014.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	SIM07072014.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	SIM07072014.0023.raw	simsoln.met	0.1 ALB	1.00	1.00
24	SIM07072014.0024.raw	simsoln.met	0.1 ALB	1.00	1.00
25	SIM07072014.0025.raw	simsoln.met	0.1 ALB	1.00	1.00
26	SIM07072014.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	SIM07072014.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	SIM07072014.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM07072014.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM07072014.0030.raw	simsoln.met	0.08 RLM	1.00	1.00
31	SIM07072014.0031.raw	simsoln.met	0.08 RLM	1.00	1.00
32	SIM07072014.0032.raw	simsoln.met	0.08 RLM	1.00	1.00
33	SIM07072014.0033.raw	simsoln.met	0.08 RLM	1.00	1.00
34	SIM07072014.0034.raw	simsoln.met	0.08 RLM	1.00	1.00
35	SIM07072014.0035.raw	simsoln.met	0.08 RLM	1.00	1.00
36	SIM07072014.0036.raw	simsoln.met	0.08 RLM	1.00	1.00
37	SIM07072014.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM07072014.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM07072014.0039.raw	simsoln.met	0.08 ALB	1.00	1.00
40	SIM07072014.0040.raw	simsoln.met	0.08 ALB	1.00	1.00
41	SIM07072014.0041.raw	simsoln.met	0.08 ALB	1.00	1.00
42	SIM07072014.0042.raw	simsoln.met	0.08 ALB	1.00	1.00
43	SIM07072014.0043.raw	simsoln.met	0.08 ALB	1.00	1.00
44	SIM07072014.0044.raw	simsoln.met	0.08 ALB	1.00	1.00
45	SIM07072014.0045.raw	simsoln.met	0.08 ALB	1.00	1.00
46	SIM07072014.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM07072014.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	SIM07072014.0048.raw	simsoln.met	0.4 RLM	1.00	1.00
49	SIM07072014.0049.raw	simsoln.met	0.4 RLM	1.00	1.00
50	SIM07072014.0050.raw	simsoln.met	0.4 RLM	1.00	1.00
51	SIM07072014.0051.raw	simsoln.met	0.4 RLM	1.00	1.00
52	SIM07072014.0052.raw	simsoln.met	0.4 RLM	1.00	1.00
53	SIM07072014.0053.raw	simsoln.met	0.4 RLM	1.00	1.00
54	SIM07072014.0054.raw	simsoln.met	0.4 RLM	1.00	1.00
55	SIM07072014.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	SIM07072014.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	SIM07072014.0057.raw	simsoln.met	0.4 ALB	1.00	1.00
58	SIM07072014.0058.raw	simsoln.met	0.4 ALB	1.00	1.00
59	SIM07072014.0059.raw	simsoln.met	0.4 ALB	1.00	1.00
60	SIM07072014.0060.raw	simsoln.met	0.4 ALB	1.00	1.00
61	SIM07072014.0061.raw	simsoln.met	0.4 ALB	1.00	1.00
62	SIM07072014.0062.raw	simsoln.met	0.4 ALB	1.00	1.00

Samples not included. RZM 7/9/14

Samples not included. RZM 7/9/14

Samples not included. RZM 7/9/14

Samples not included. RZM 7/9/14

14-08-080 3 RZM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM07072014.0063.raw	simsoln.met	0.4 ALB - sample not included. RZM 7/9/14	1.00	1.00
64	SIM07072014.0064.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
65	SIM07072014.0065.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Lot #s:

Internal Standard: IS-03202014

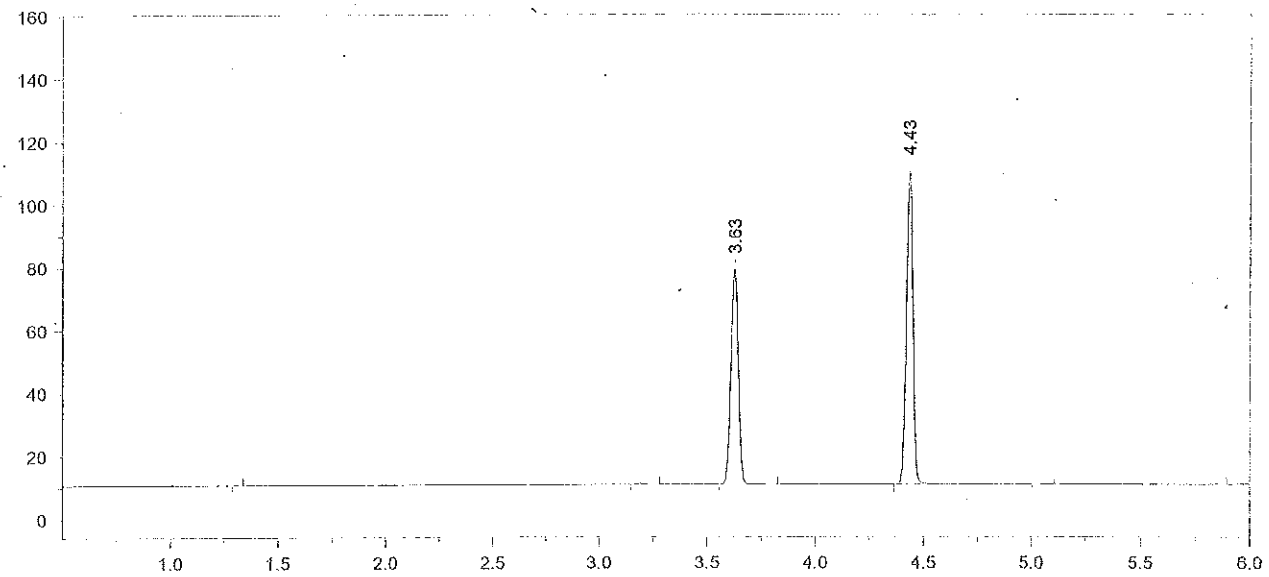
Timing Mix: TMX-08122013

AQ QC: Cerilliant FN 021111-03

Ethanol Standards: ES-06162014

RZM 7/8/14

Chrom Perfect Chromatogram Report

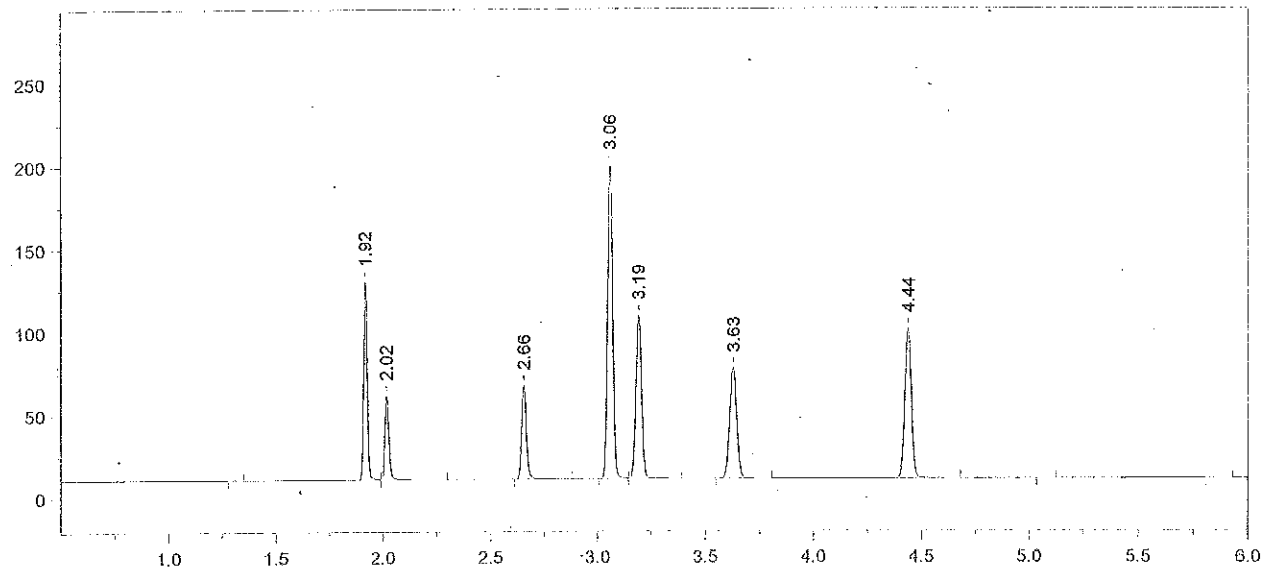


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:18 AM
Bound File Name = SIM07072014.0001.RAW
Sample Name = Blank
Date Taken = 7/7/2014 12:02:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.63	t-Butanol	158375	0.9573
4	4.43	n-Propanol	211192	1.0000

14-08-080 5 RZM

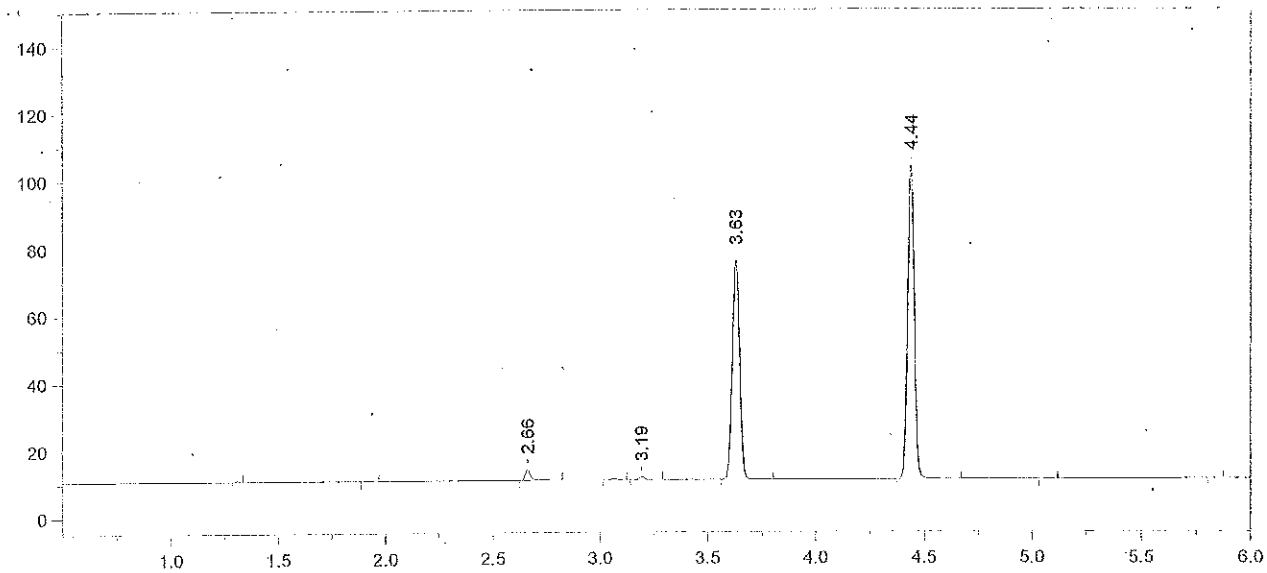


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:24 AM
Bound File Name = SIM07072014.0002.RAW
Sample Name = TMX
Date Taken = 7/7/2014 12:20:12 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	140617	0.0520
3	2.02	Methanol	65028	0.1370
4	2.66	Ethanol	89415	0.0893
5	3.06	Acetone	325691	0.0940
6	3.19	Isopropanol	185534	0.0850
7	3.63	t-Butanol	154608	1.0292
8	4.44	n-Propanol	191767	1.0000

14-08-080 6 RLM

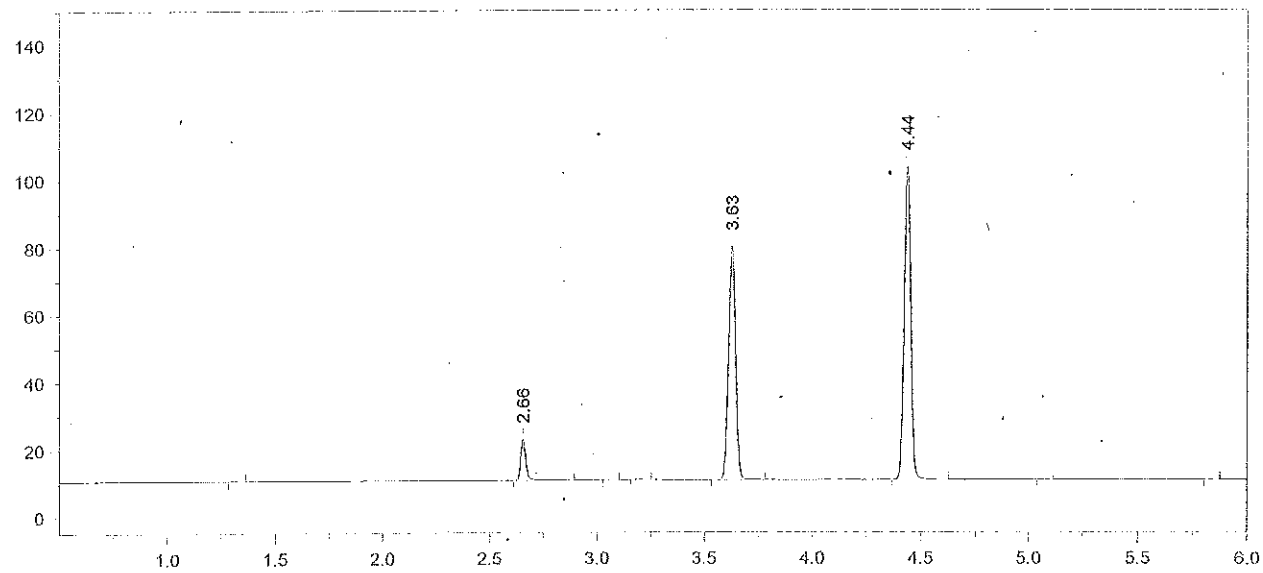


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:30 AM
Bound File Name = SIM07072014.0003.RAW
Sample Name = STD A
Date Taken = 7/7/2014 12:33:48 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05484	0.0053*
5	3.19	Isopropanol	01549	<0.004
6	3.63	t-Butanol	150359	0.9680
7	4.44	n-Propanol	198290	1.0000

14-08-080 7 KEM

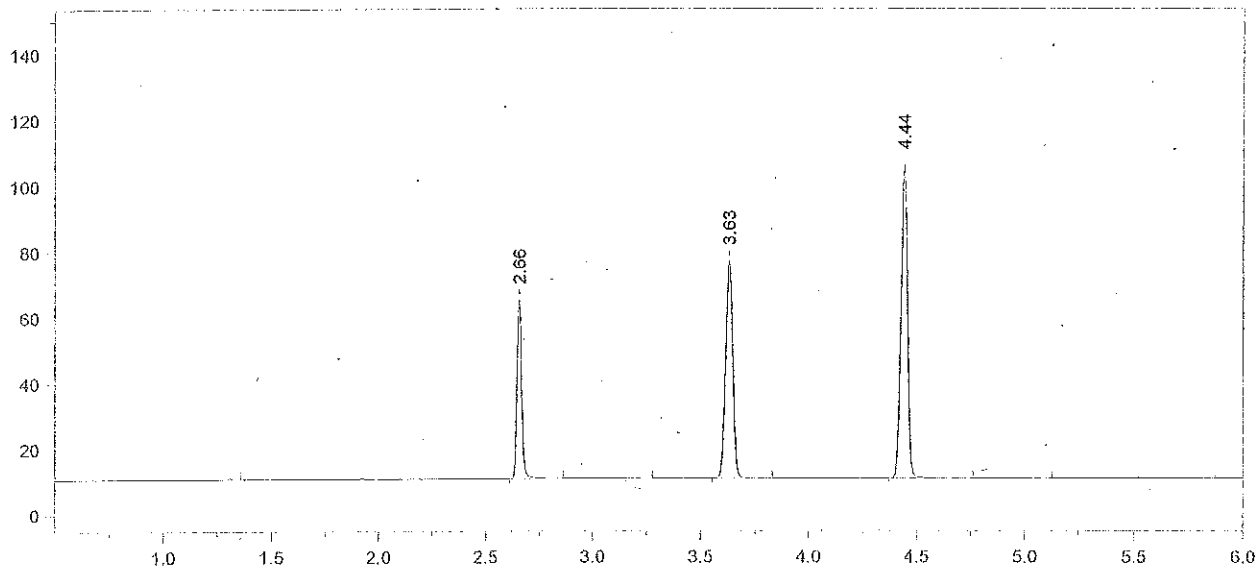


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:37 AM
Bound File Name = SIM07072014.0004.RAW
Sample Name = STD B
Date Taken = 7/7/2014 12:51:36 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	19831	0.0193 *
5	3.63	t-Butanol	160297	1.0370
6	4.44	n-Propanol	197331	1.0000

14-08-080 8 zlm

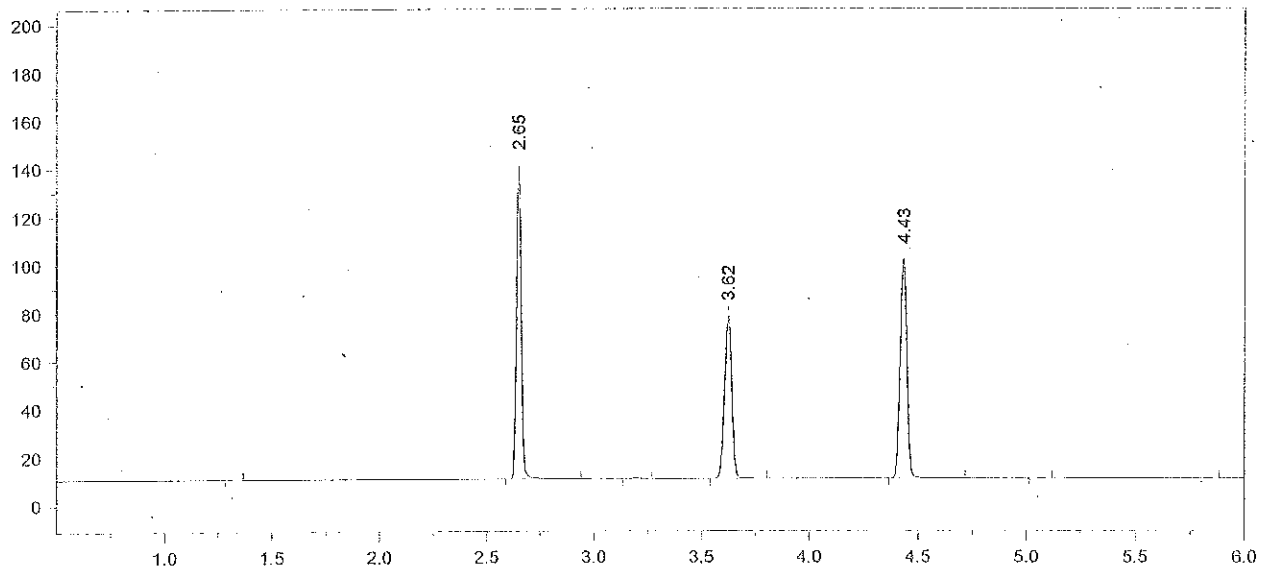


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:45 AM
Bound File Name = SIM07072014.0005.RAW
Sample Name = STD C
Date Taken = 7/7/2014 1:05:17 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	85045	0.0807 *
4	3.63	t-Butanol	153480	0.9701
5	4.44	n-Propanol	201973	1.0000

14-08-080 9

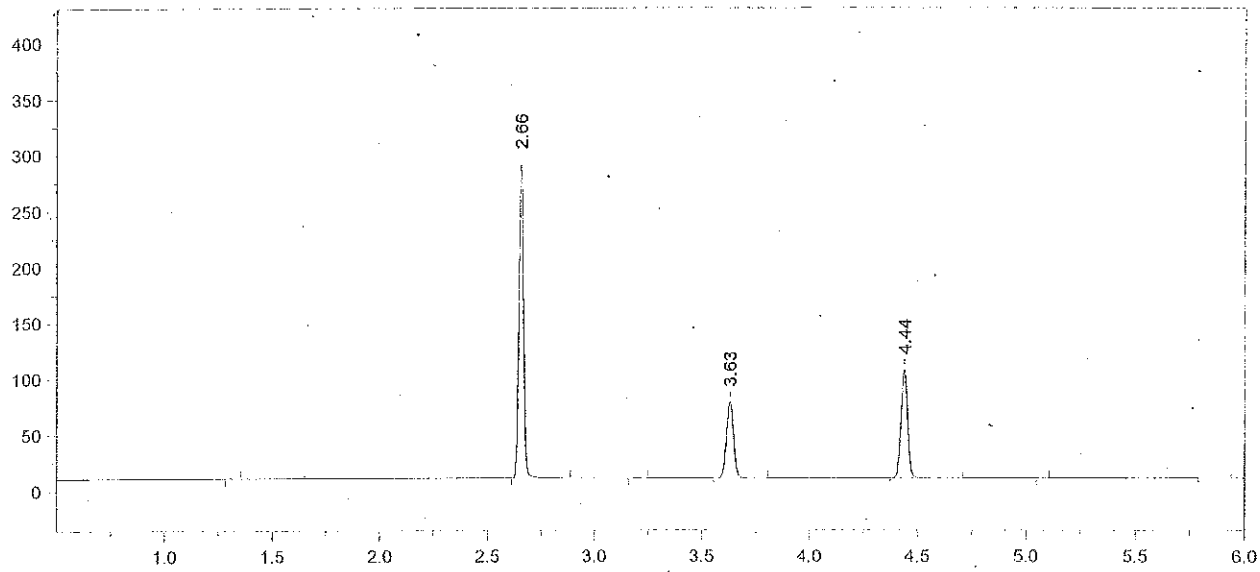


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:21:53 AM
Bound File Name = SIM07072014.0006.RAW
Sample Name = STD D
Date Taken = 7/7/2014 1:23:01 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	200734	0.1980 *
4	3.62	t-Butanol	156325	1.0275
5	4.43	n-Propanol	194222	1.0000

14-08-080 10 KEM

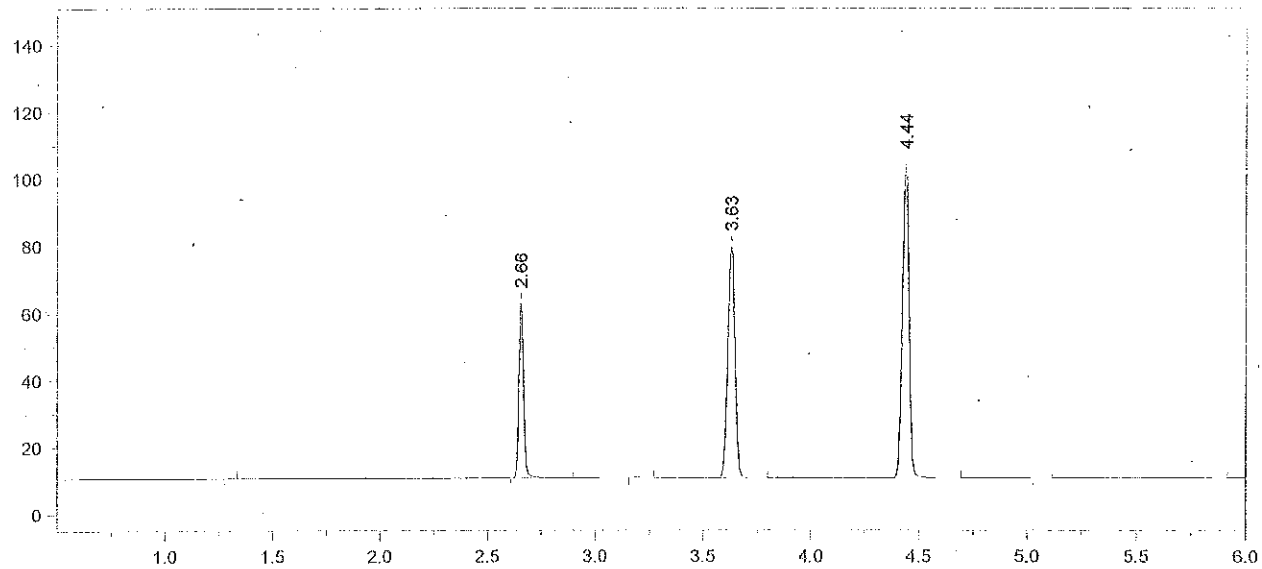


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:22:01 AM
Bound File Name = SIM07072014.0007.RAW
Sample Name = STD E
Date Taken = 7/7/2014 1:36:16 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	431572	0.4019
4	3.63	t-Butanol	156085	0.9683
5	4.44	n-Propanol	205778	1.0000

14-08-080 11 RZM

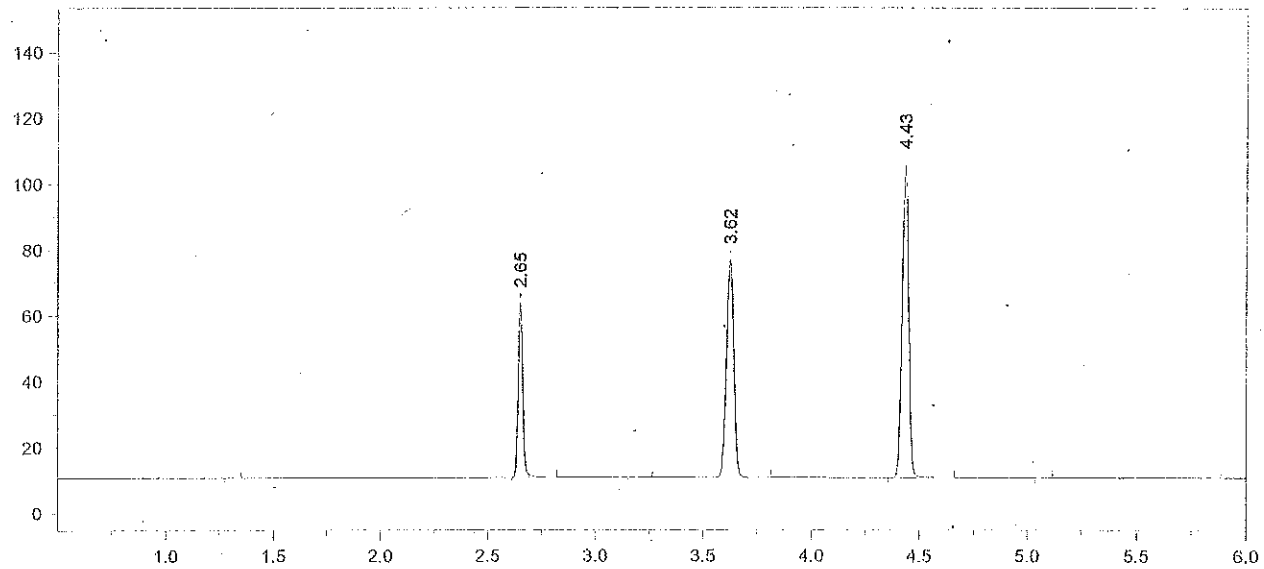


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 1:54:41 PM
Bound File Name = SIM07072014.0008.RAW
Sample Name = AQ QC
Date Taken = 7/7/2014 1:54:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	81181	0.0780
4	3.63	t-Butanol	159558	1.0217
5	4.44	n-Propanol	199359	1.0000

14-08-080 12 RZM



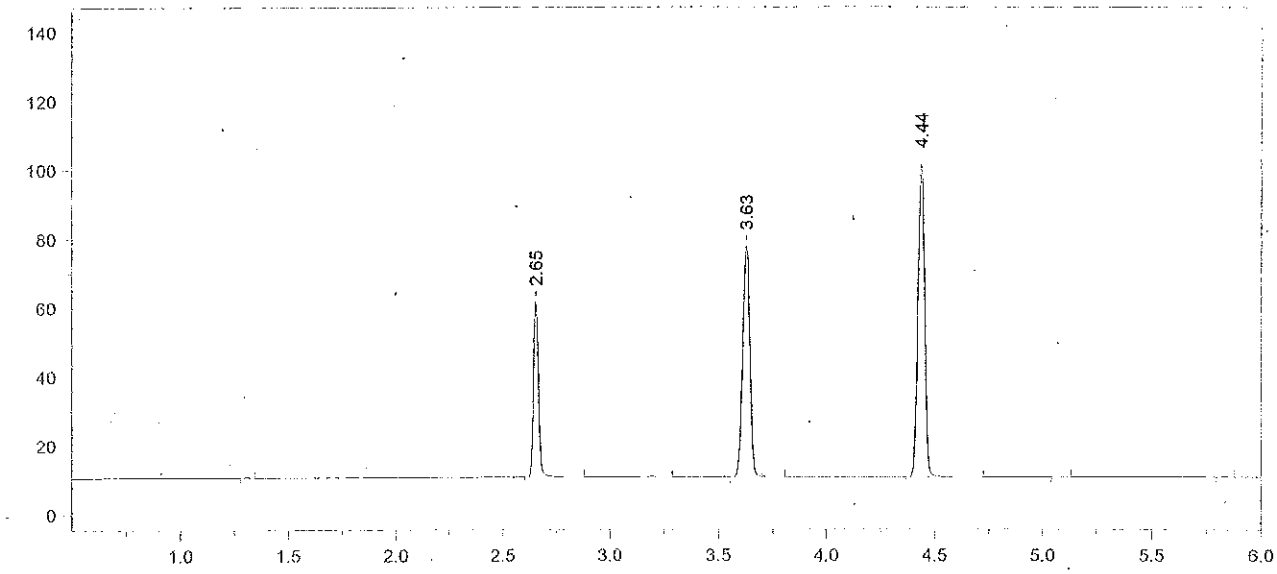
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 2:08:19 PM
Bound File Name = SIM07072014.0009.RAW
Sample Name = AQ QC
Date Taken = 7/7/2014 2:08:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82262	0.0779 *
4	3.62	t-Butanol	153218	0.9665
5	4.43	n-Propanol	202366	1.0000

Avg #8 + #9 = 0.078
Target value: 0.080
% recovery = 97 %
RZM 7/8/14

14-08-080 13 RZM

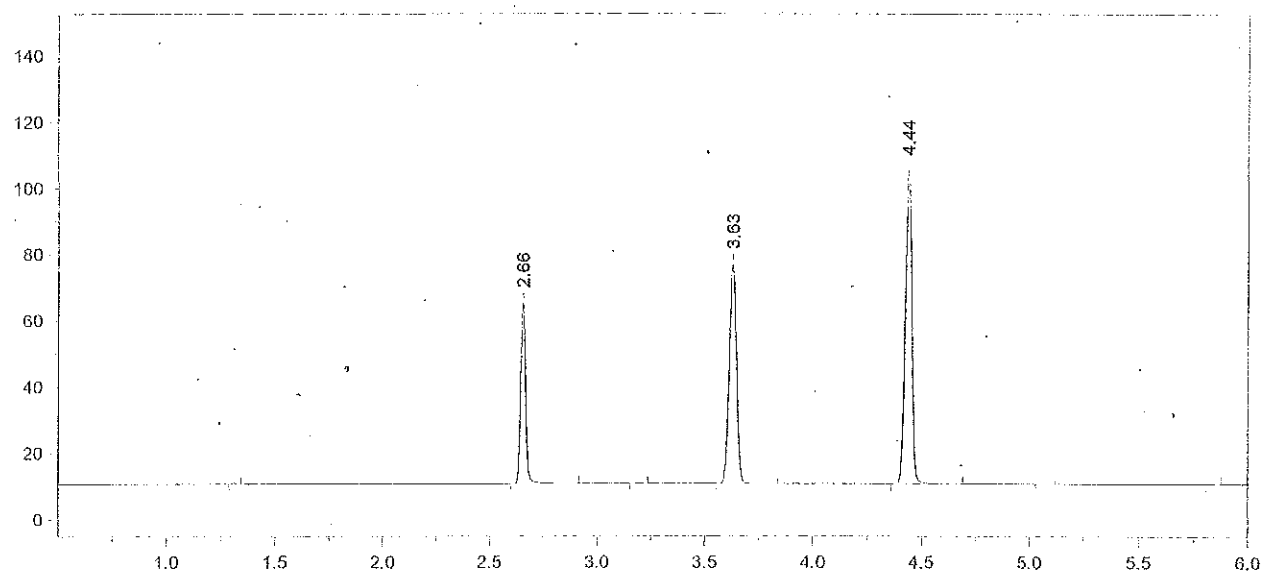


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 2:26:05 PM
Bound File Name = SIM07072014.0010.RAW
Sample Name = CCS
Date Taken = 7/7/2014 2:25:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	79654	0.0789 *
4	3.63	t-Butanol	155812	1.0284
5	4.44	n-Propanol	193404	1.0000

14-08-080 14 Rem



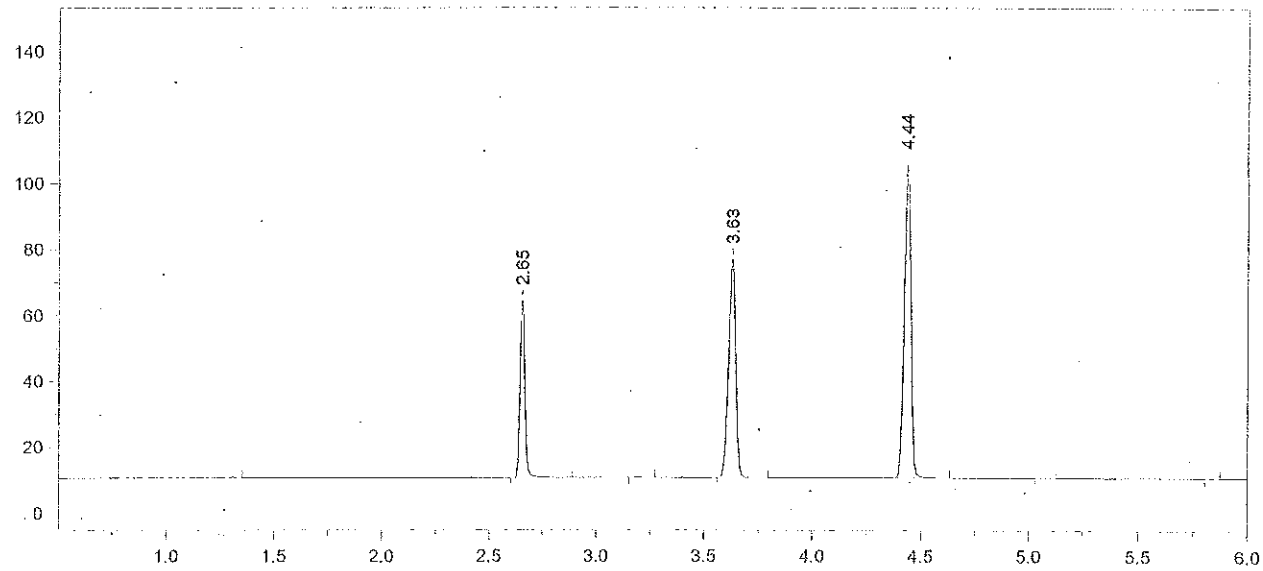
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 2:39:52 PM
Bound File Name = SIM07072014.0011.RAW
Sample Name = CCS
Date Taken = 7/7/2014 2:39:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	85019	0.0807 *
4	3.63	t-Butanol	152799	0.9661
5	4.44	n-Propanol	201909	1.0000

Avg #10 + #11 = 0.080
RZM 7/8/14

14-08-080 15 RZM

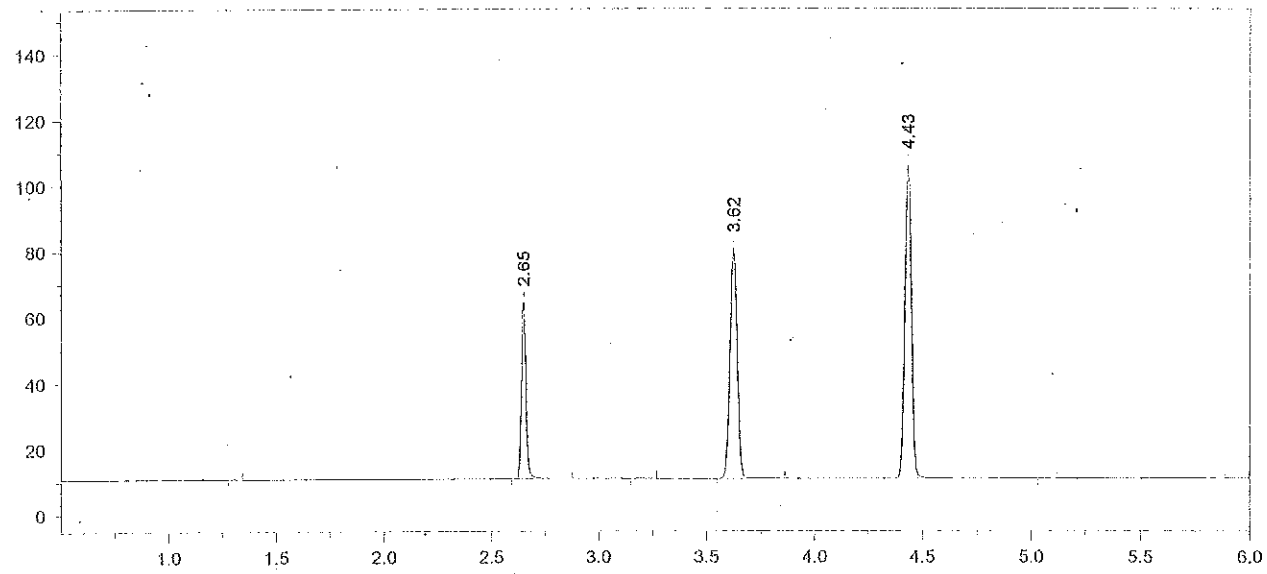


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 4:45:26 PM
Bound File Name = SIM07072014.0019.RAW
Sample Name = CCS
Date Taken = 7/7/2014 4:45:20 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85086	0.0809
4	3.63	t-Butanol	152991	0.9687
5	4.44	n-Propanol	201613	1.0000

14-08-080 16



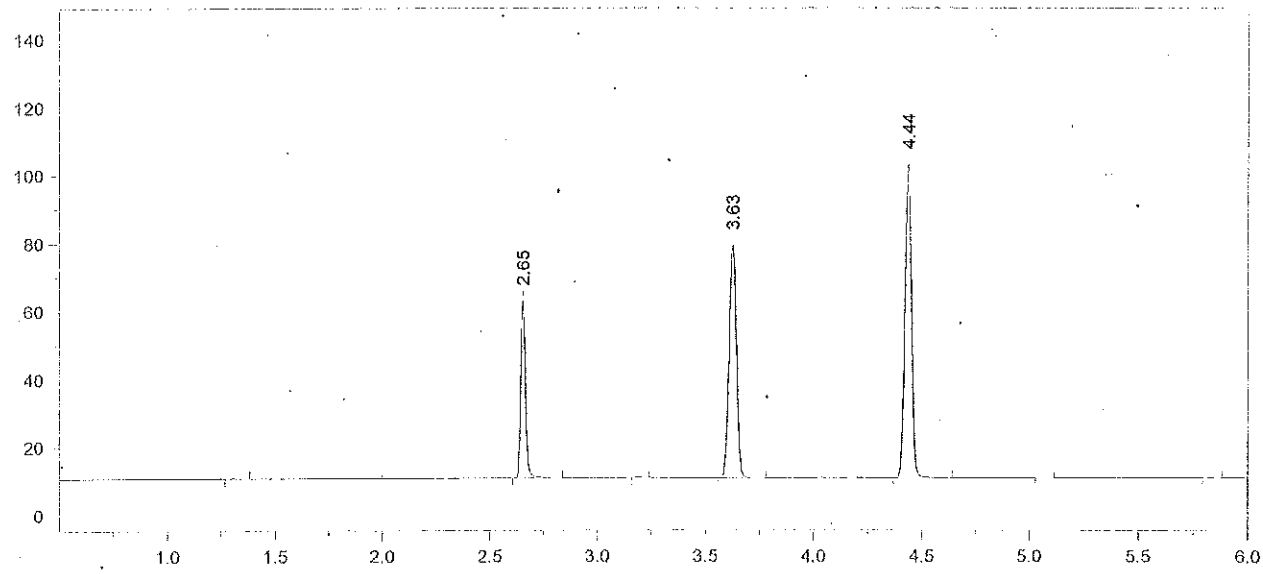
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 5:03:12 PM
Bound File Name = SIM07072014.0020.RAW
Sample Name = CCS
Date Taken = 7/7/2014 5:03:04 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83621	0.0788 *
4	3.62	t-Butanol	161951	1.0173
5	4.43	n-Propanol	203224	1.0000

Avg #19 + #20 = 0.080
RZM 7/8/14

14-~~08~~ 08-080
17
RZM

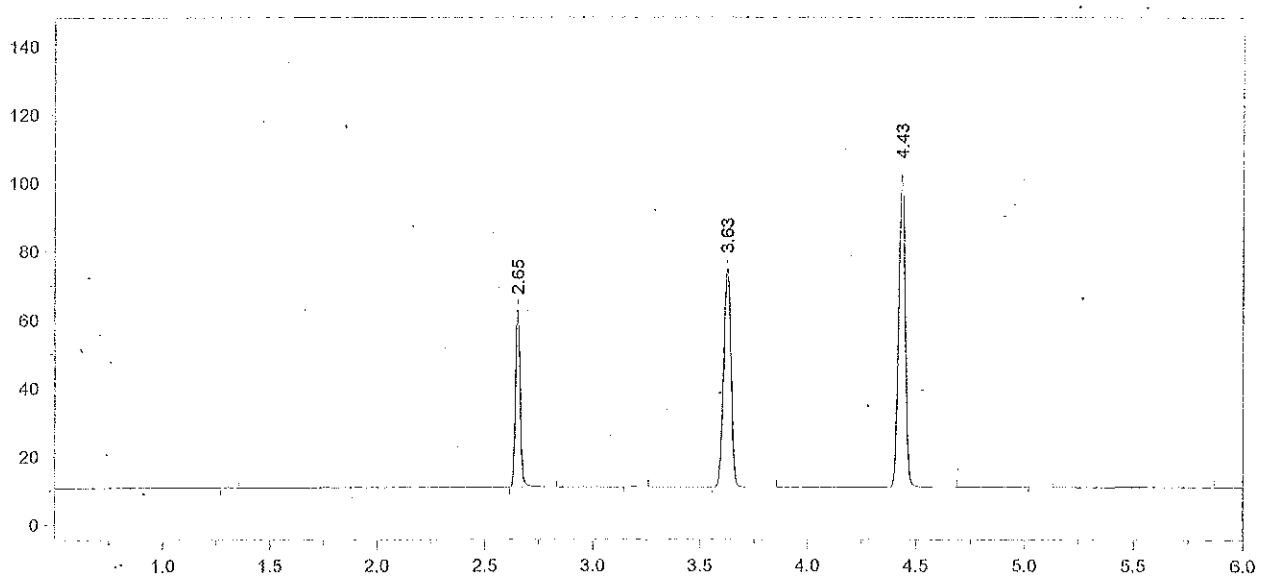


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 7:08:54 PM
Bound File Name = SIM07072014.0028.RAW
Sample Name = CCS
Date Taken = 7/7/2014 7:08:46 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80782	0.0788*
4	3.63	t-Butanol	158460	1.0303
5	4.44	n-Propanol	196341	1.0000

14-08-080 18 RZm



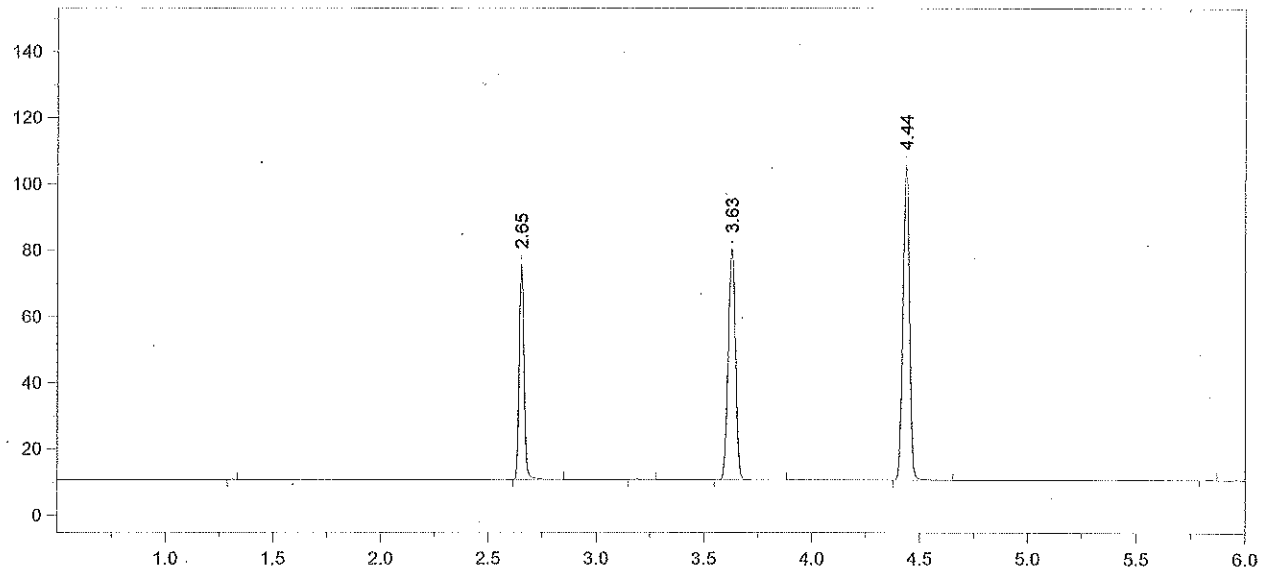
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 7:22:29 PM
Bound File Name = SIM07072014.0029.RAW
Sample Name = CCS
Date Taken = 7/7/2014 7:22:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81628	0.0801 *
4	3.63	t-Butanol	148365	0.9701
5	4.43	n-Propanol	195236	1.0000

Avg #28 + #29 = 0.079
RZM 7/8/14

14-08-080 19 RZM

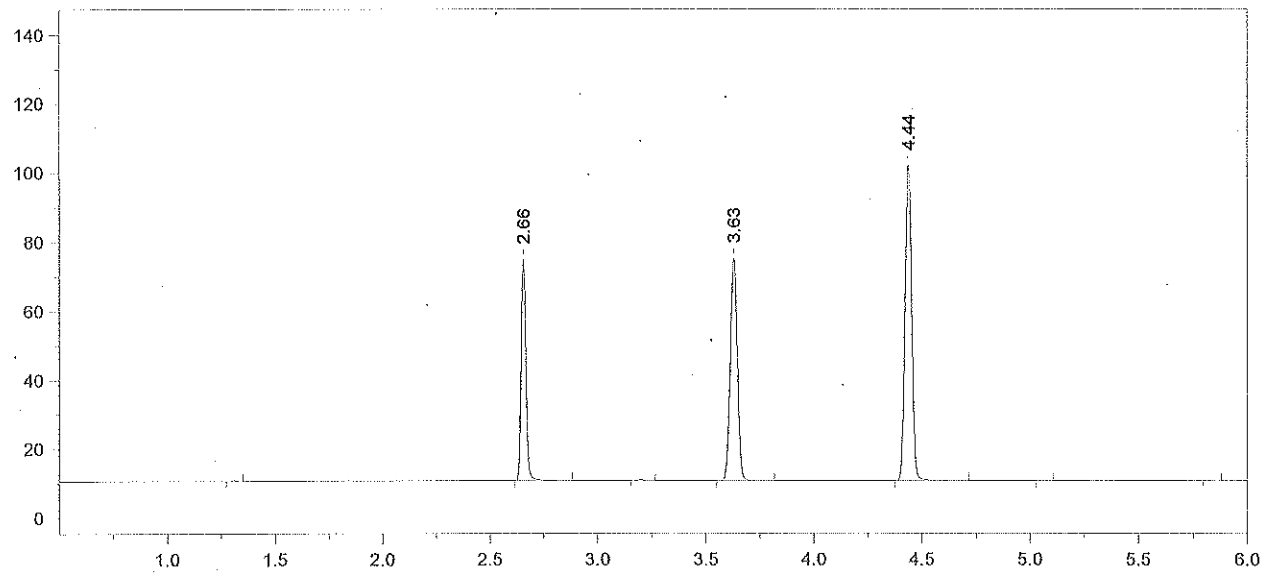


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 7:38:41 PM
Bound File Name = SIM07072014.0030.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 7:38:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	100730	0.0956	0.0780
4	3.63	t-Butanol	162212	1.0253	0.8369
5	4.44	n-Propanol	201963	1.0000	0.8162

14-08-080 20 RLM

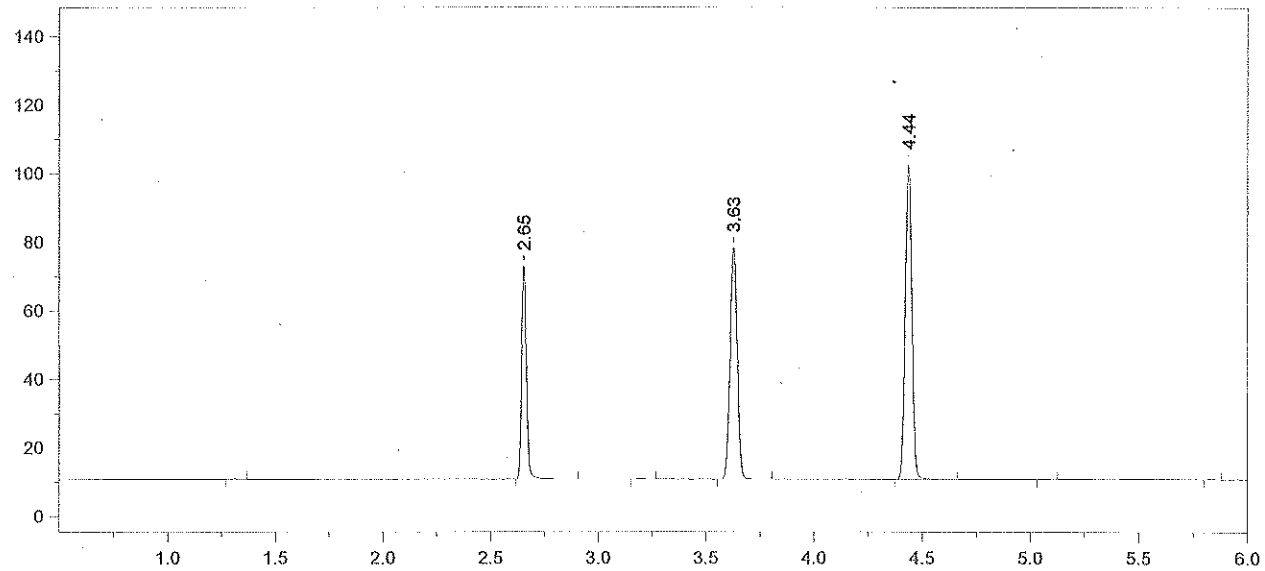


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 7:54:01 PM
Bound File Name = SIM07072014.0031.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 7:53:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	99531	0.0977	0.0798
4	3.63	t-Butanol	148762	0.9731	0.7943
5	4.44	n-Propanol	195149	1.0000	0.8162

14-08-080 21 RZm

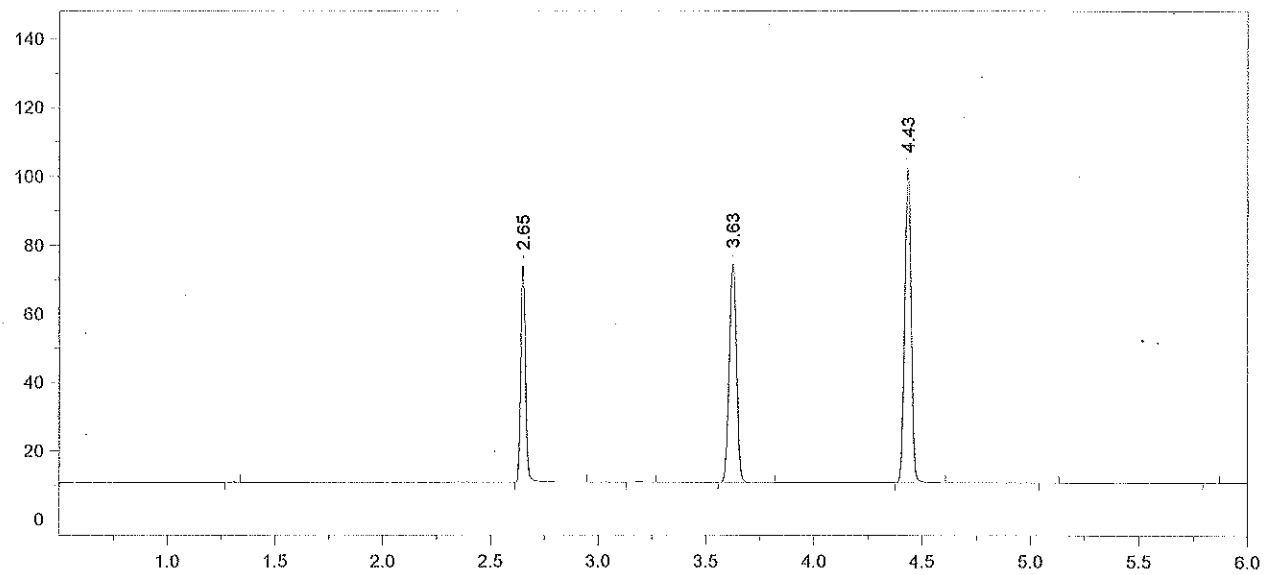


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014 Today's Time = 8:10:10 PM
Bound File Name = SIM07072014.0032.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 8:10:05 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	97695	0.0962	0.0785
4	3.63	t-Butanol	156820	1.0291	0.8400
5	4.44	n-Propanol	194523	1.0000	0.8162

14-08-080 22 ZZm

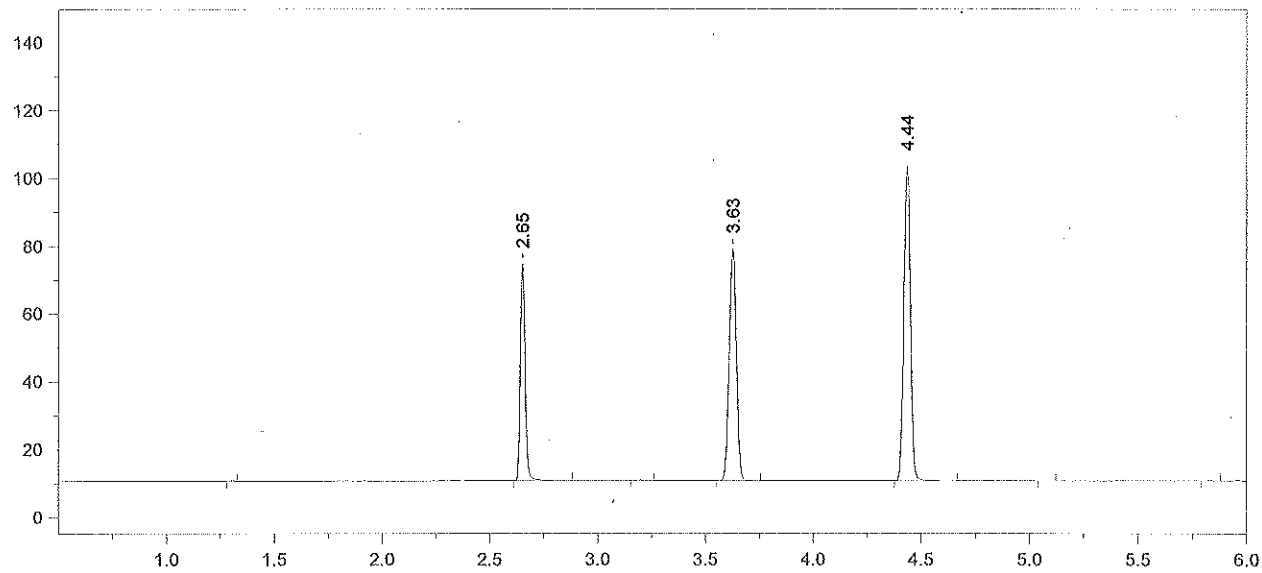


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014 Today's Time = 8:24:18 PM
Bound File Name = SIM07072014.0033.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 8:24:13 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	99328	0.0984	0.0803
4	3.63	t-Butanol	148626	0.9804	0.8002
5	4.43	n-Propanol	193521	1.0000	0.8162

14-08-080 23 RLM

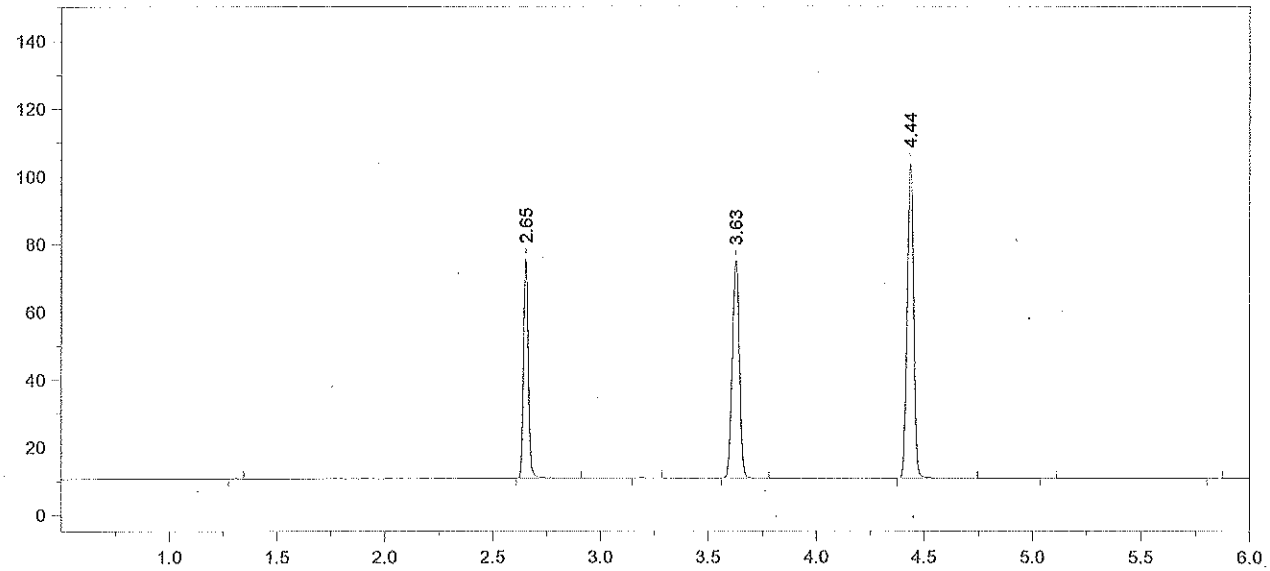


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 8:40:01 PM
Bound File Name = SIM07072014.0034.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 8:39:51 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	99421	0.0965	0.0788
4	3.63	t-Butanol	157756	1.0204	0.8329
5	4.44	n-Propanol	197353	1.0000	0.8162

14-08-080 24 RZm

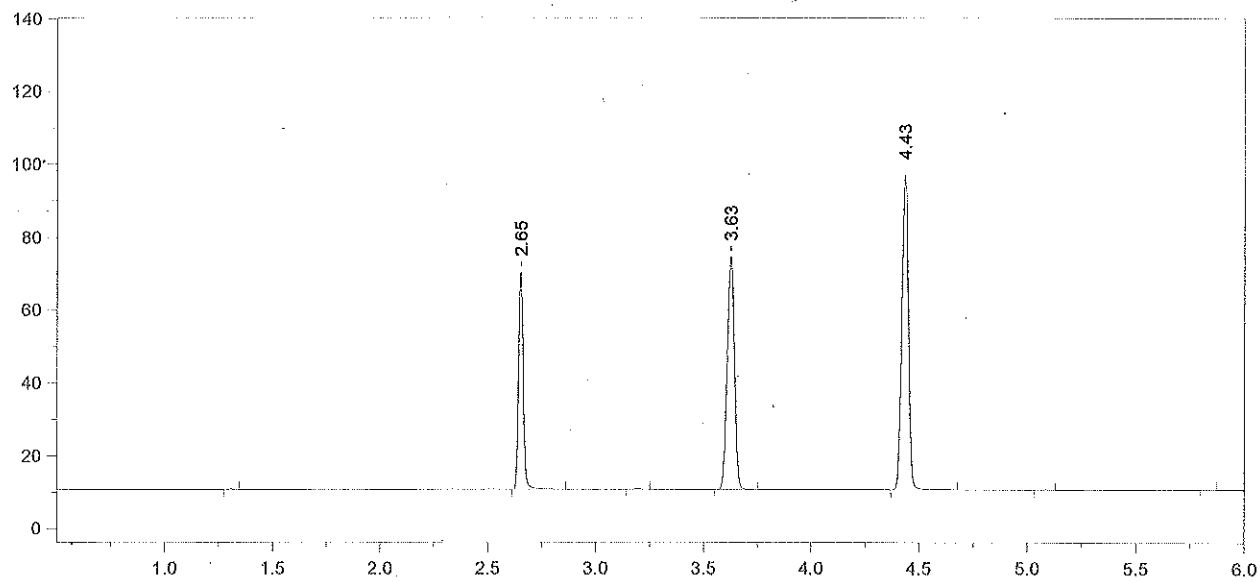


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 8:55:22 PM
Bound File Name = SIM07072014.0035.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 8:55:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101163	0.0984	0.0803
4	3.63	t-Butanol	149085	0.9660	0.7884
5	4.44	n-Propanol	197023	1.0000	0.8162

14-08-080 25 RLM

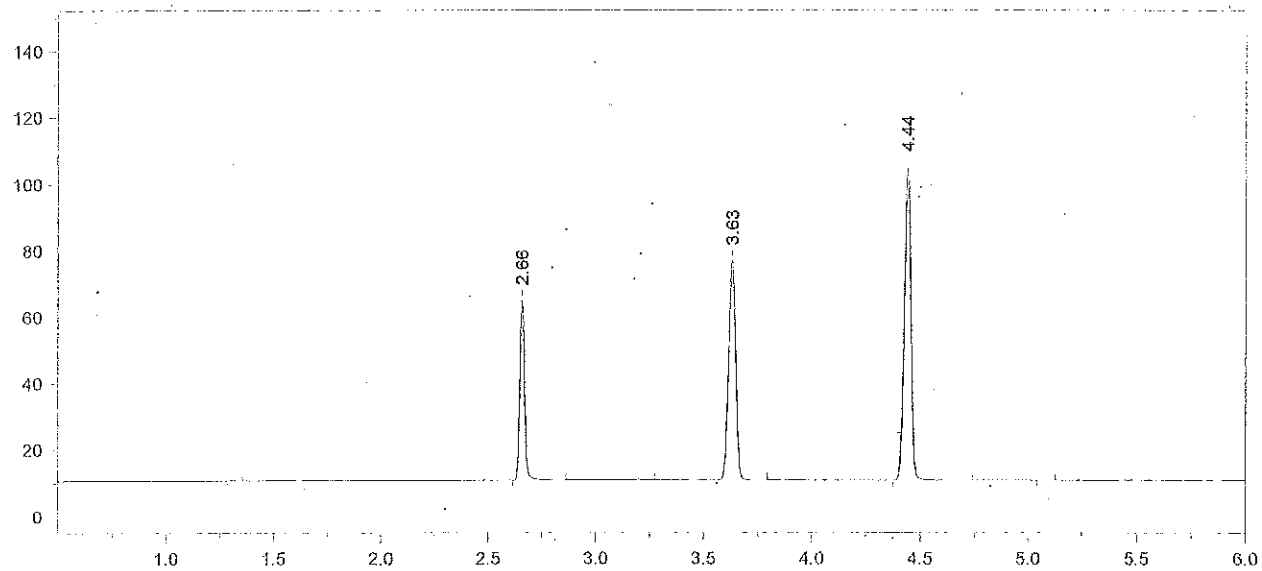


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 9:11:31 PM
Bound File Name = SIM07072014.0036.RAW
Sample Name = 0.08 RLM
Date Taken = 7/7/2014 9:11:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	92709	0.0963	0.0786
4	3.63	t-Butanol	148220	1.0255	0.8370
5	4.43	n-Propanol	184513	1.0000	0.8162

14-08-080 26 RLM

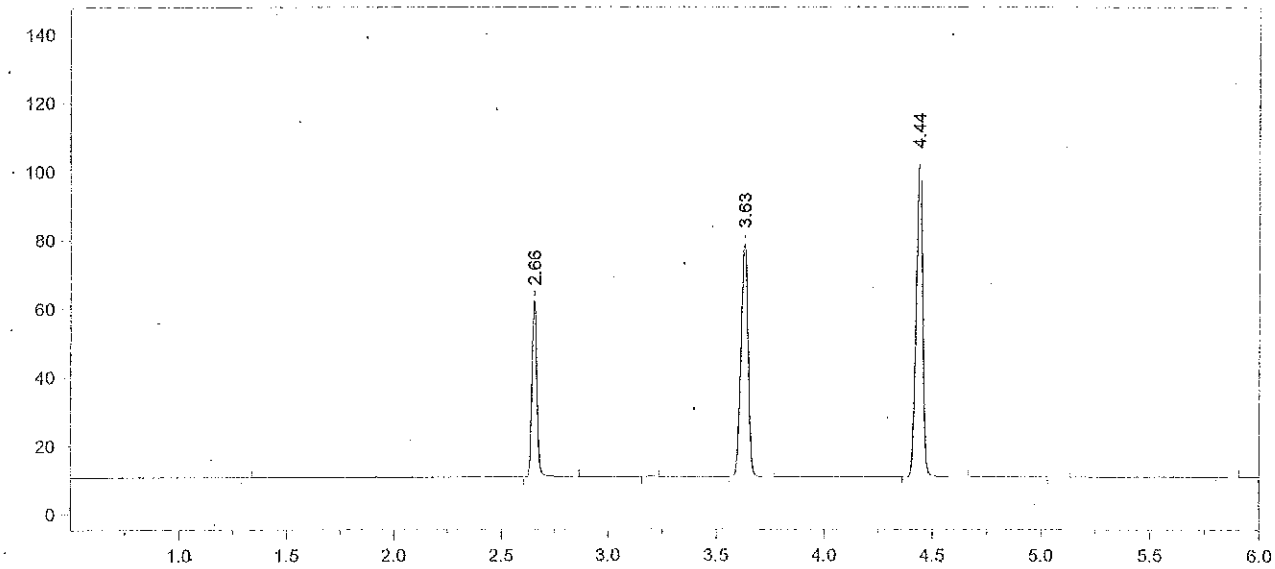


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 9:25:39 PM
Bound File Name = SIM07072014.0037.RAW
Sample Name = CCS
Date Taken = 7/7/2014 9:25:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	84015	0.0803*
4	3.63	t-Butanol	152766	0.9721
5	4.44	n-Propanol	200605	1.0000

14-08-080 27 Rem



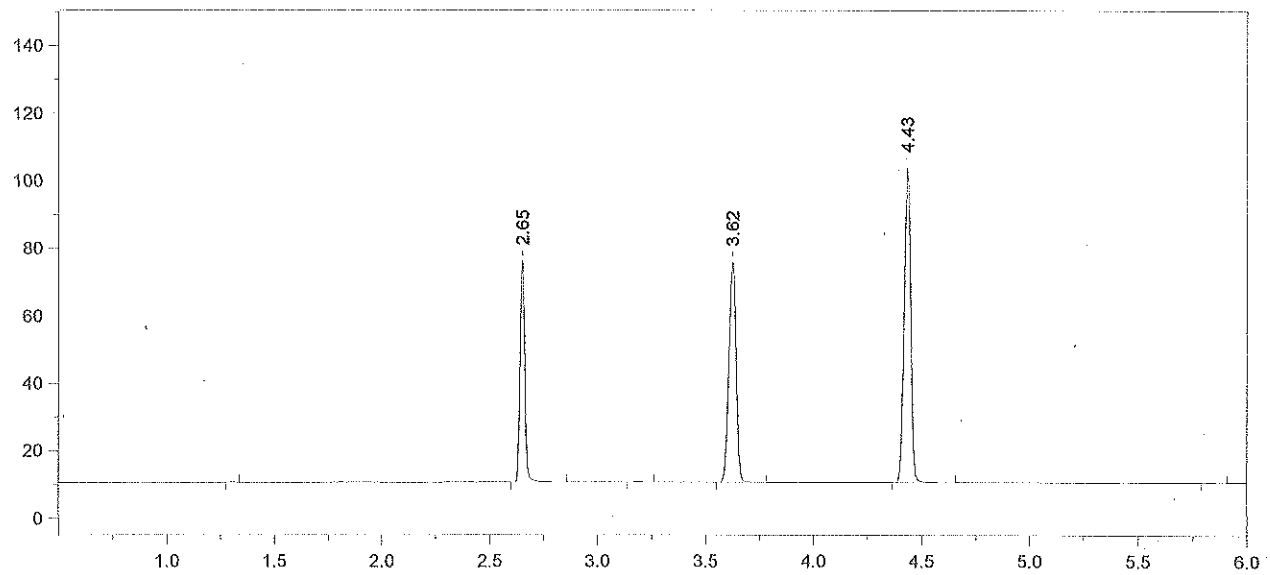
Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 9:41:18 PM
Bound File Name = SIM07072014.0038.RAW
Sample Name = CCS
Date Taken = 7/7/2014 9:41:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80241	0.0787 *
4	3.63	t-Butanol	157152	1.0267
5	4.44	n-Propanol	195396	1.0000

Avg # 37 + # 38 = 0.079
RZM 7/8/14

14-08-080 28 RZM

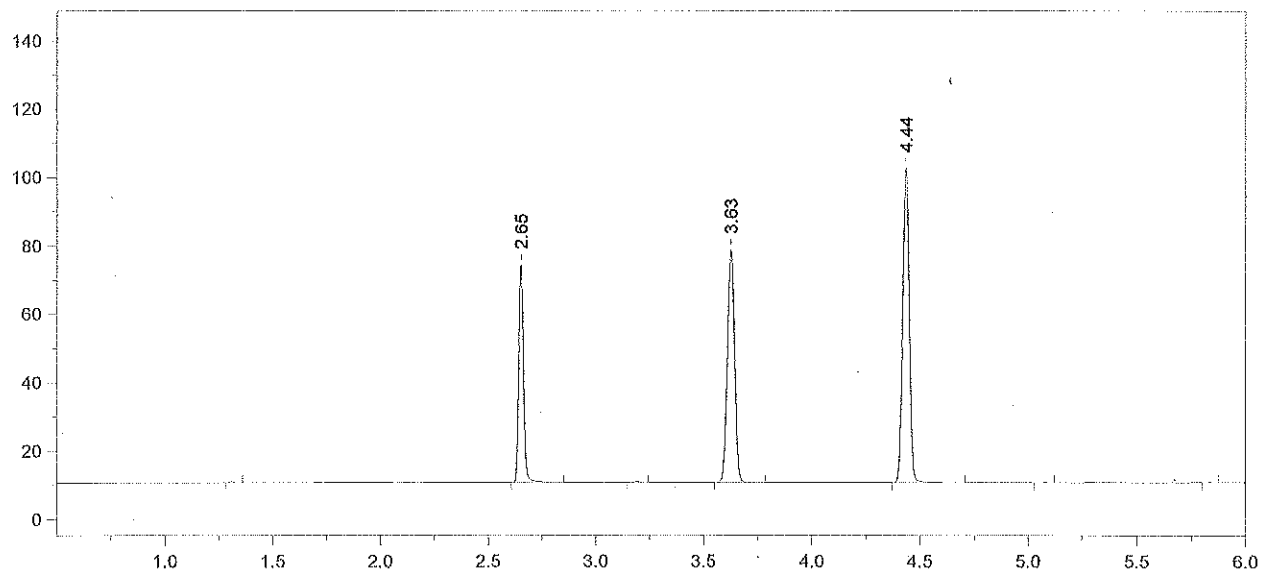


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 9:56:46 PM
Bound File Name = SIM07072014.0039.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 9:56:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101795	0.0987	0.0805
4	3.62	t-Butanol	151170	0.9764	0.7969
5	4.43	n-Propanol	197649	1.0000	0.8162

14-08-080 29 KLM

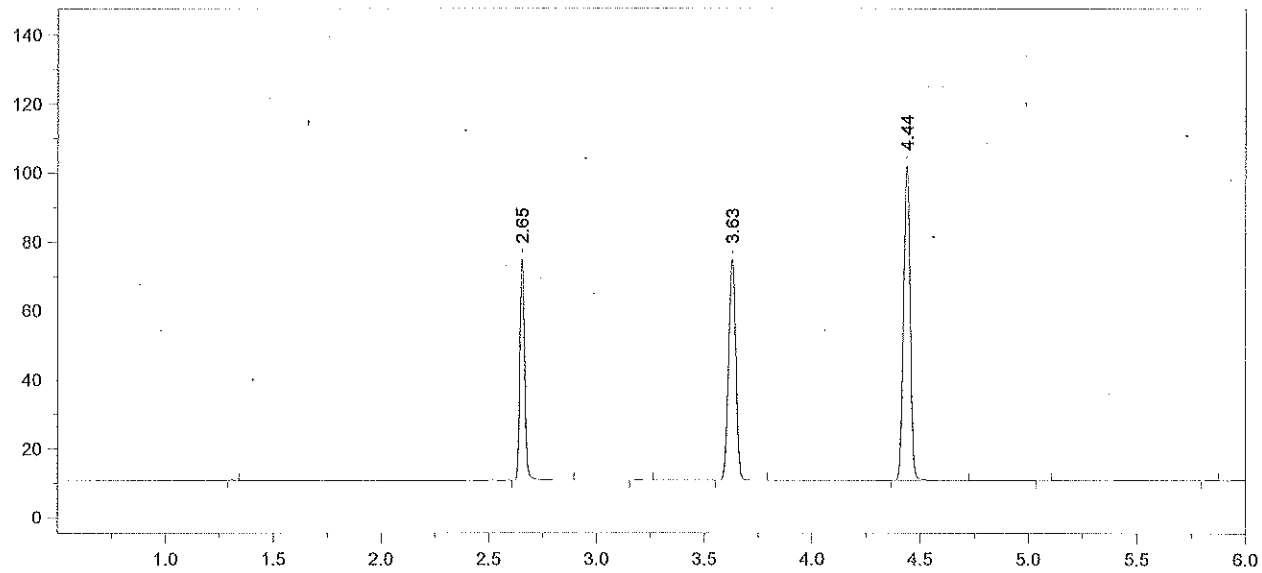


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 10:12:46 PM
Bound File Name = SIM07072014.0040.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 10:12:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98729	0.0964	0.0787
4	3.63	t-Butanol	157794	1.0260	0.8374
5	4.44	n-Propanol	196324	1.0000	0.8162

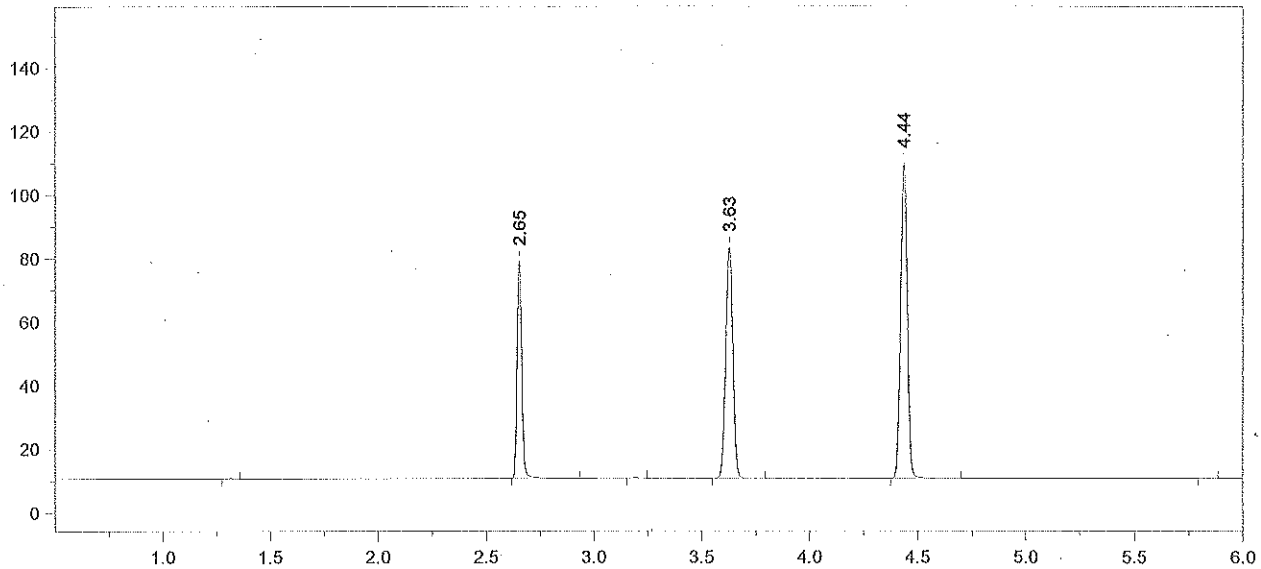
14-08-080 30



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014 Today's Time = 10:27:12 PM
Bound File Name = SIM07072014.0041.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 10:27:03 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	100900	0.0997	0.0814
4	3.63	t-Butanol	148766	0.9792	0.7992
5	4.44	n-Propanol	193938	1.0000	0.8162

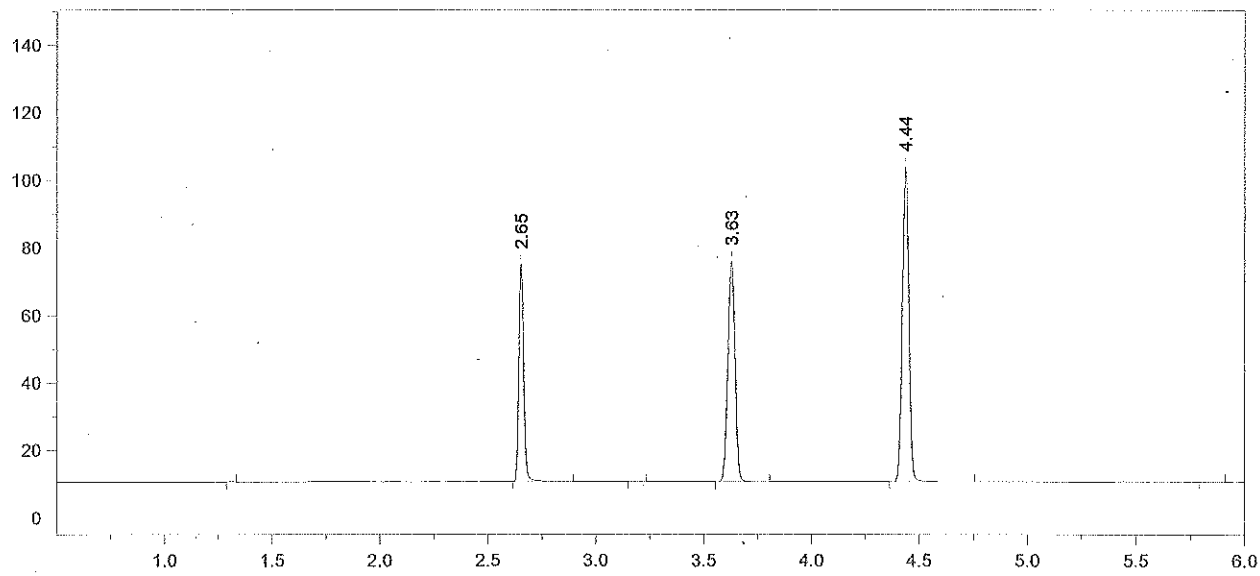


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 10:44:16 PM
Bound File Name = SIM07072014.0042.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 10:44:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	106727	0.0972	0.0793
4	3.63	t-Butanol	168736	1.0238	0.8356
5	4.44	n-Propanol	210400	1.0000	0.8162

14-08-080 32

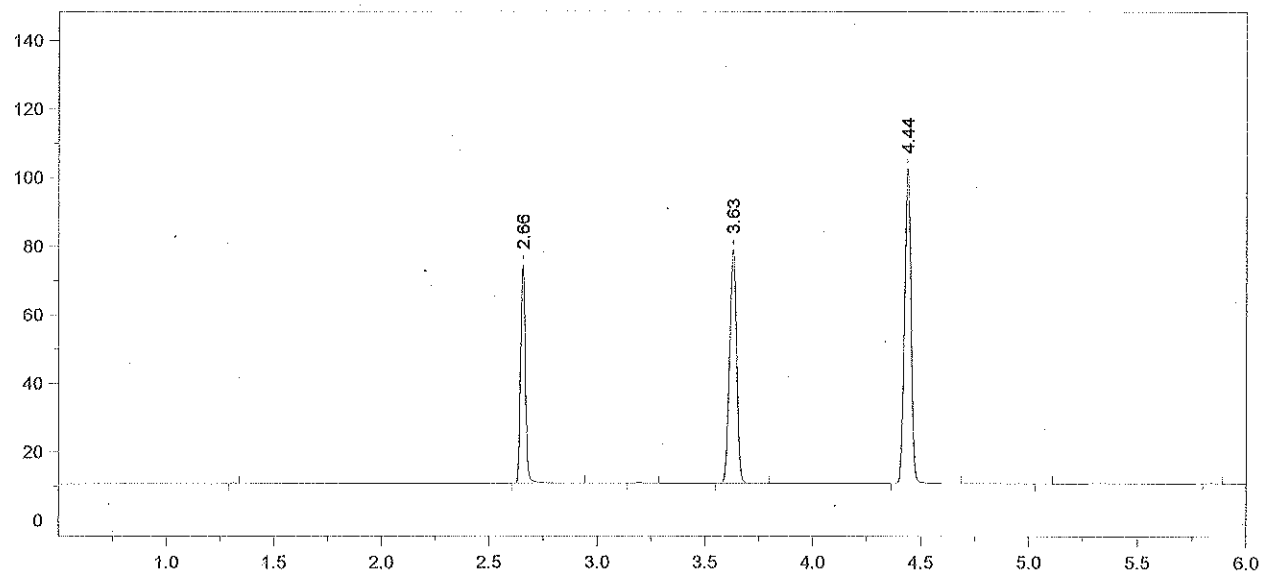


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 10:58:06 PM
Bound File Name = SIM07072014.0043.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 10:57:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101330	0.0978	0.0798
4	3.63	t-Butanol	151268	0.9725	0.7938
5	4.44	n-Propanol	198554	1.0000	0.8162

14-08-080 33 Km

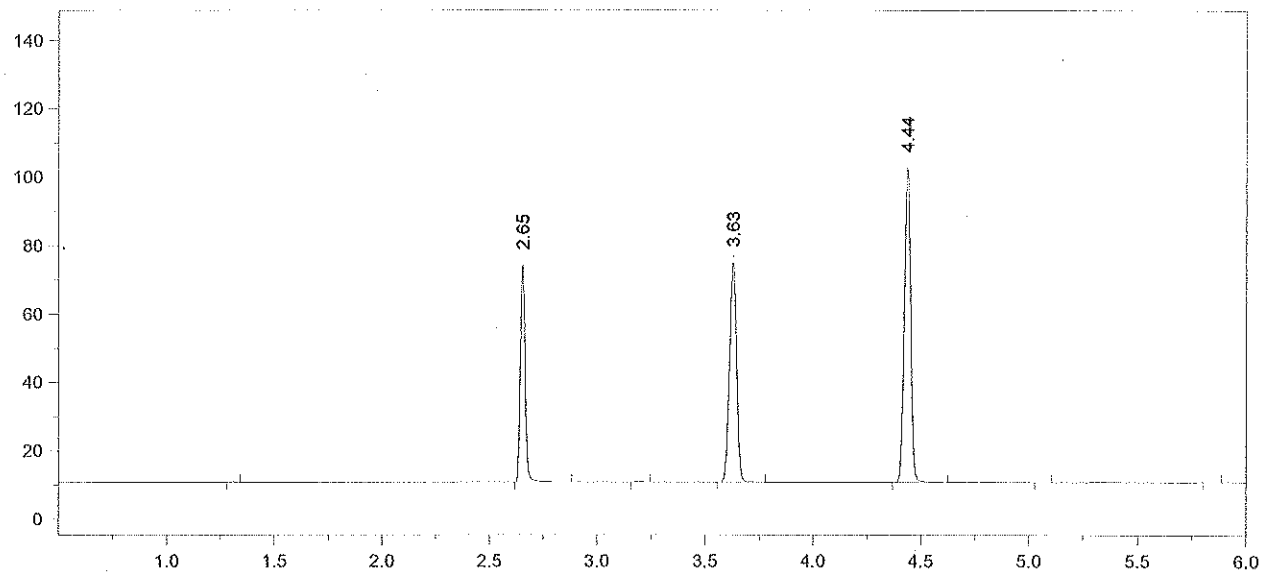


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 11:15:46 PM
Bound File Name = SIM07072014.0044.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 11:15:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	99554	0.0975	0.0796
4	3.63	t-Butanol	158364	1.0337	0.8437
5	4.44	n-Propanol	195570	1.0000	0.8162

14-08-080 34 RM



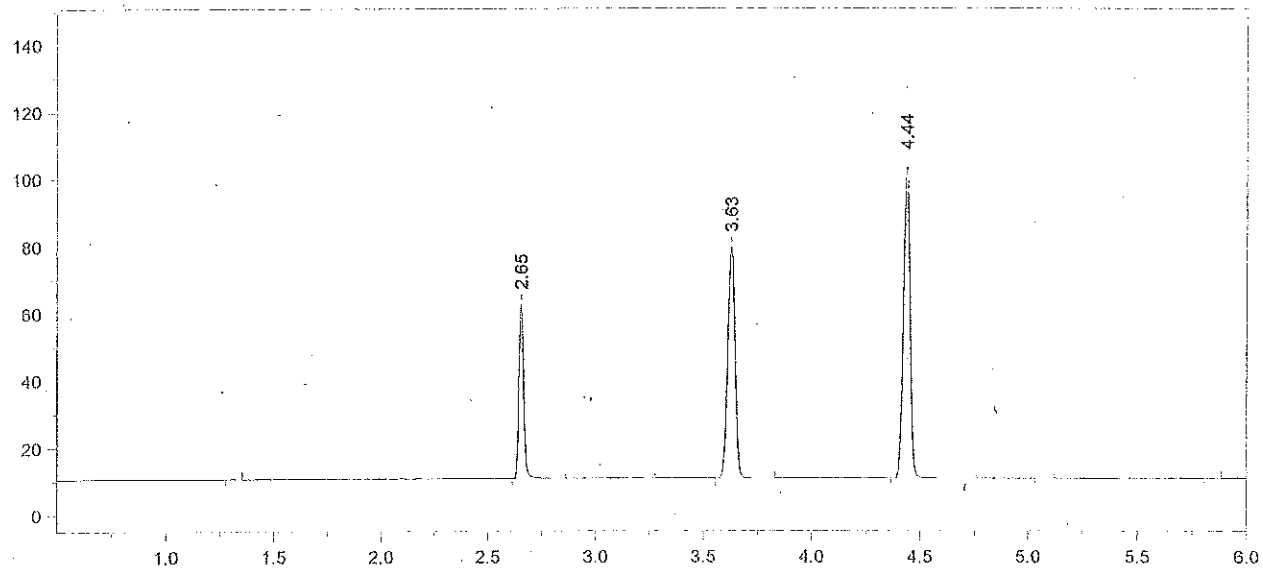
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/7/2014
Today's Time = 11:29:34 PM
Bound File Name = SIM07072014.0045.RAW
Sample Name = 0.08 ALB
Date Taken = 7/7/2014 11:29:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	98176	0.0969	0.0791
4	3.63	t-Butanol	148873	0.9786	0.7987
5	4.44	n-Propanol	194208	1.0000	0.8162

14-08-080 35 KEM

Chrom Perfect Chromatogram Report

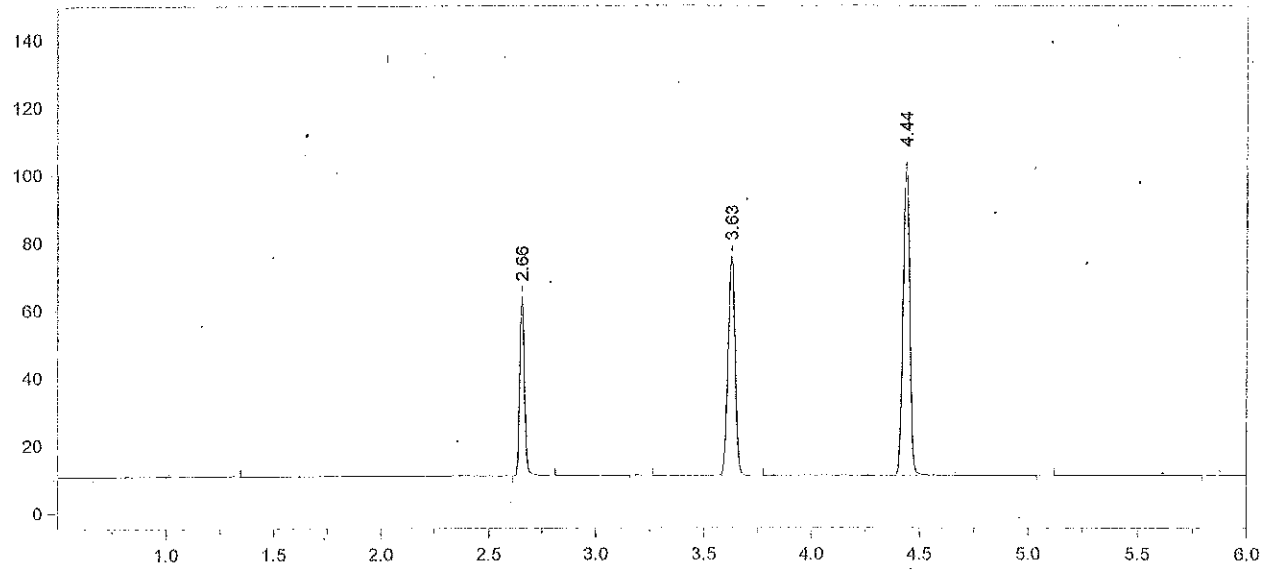


Format File Name = AlcoholVFL.FMT

Today's Date = 7/7/2014
Today's Time = 11:47:11 PM
Bound File Name = SIM07072014.0046.RAW
Sample Name = CCS
Date Taken = 7/7/2014 11:47:05 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81097	0.0785 *
4	3.63	t-Butanol	160151	1.0325
5	4.44	n-Propanol	197998	1.0000

14-08-080 36 RZM



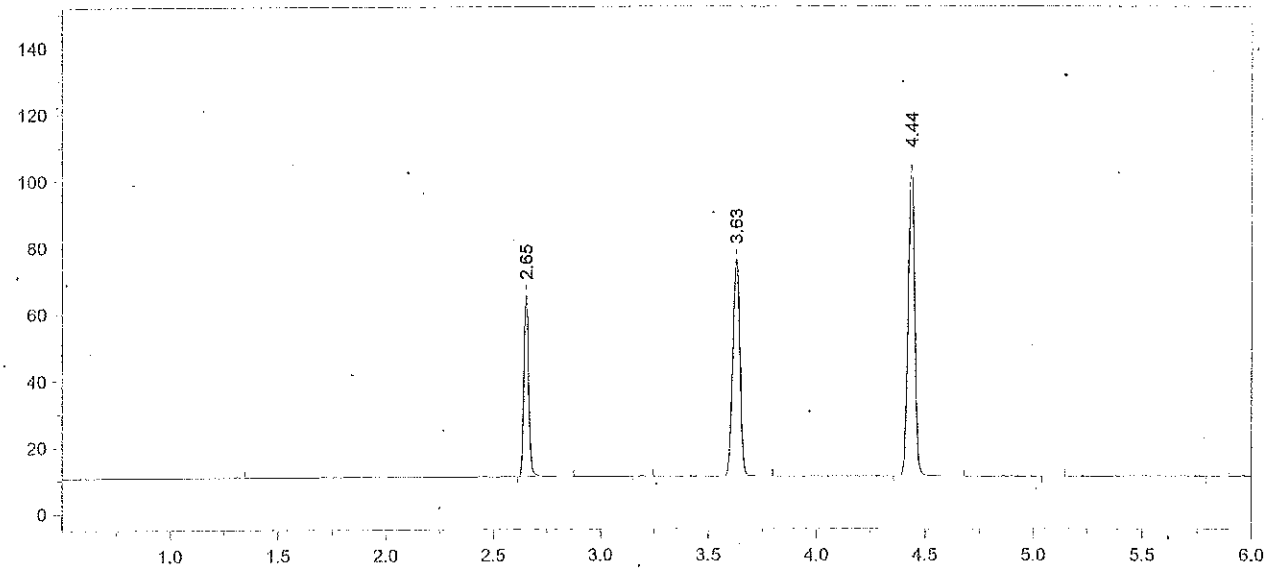
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 12:00:53 AM
Bound File Name = SIM07072014.0047.RAW
Sample Name = CCS
Date Taken = 7/8/2014 12:00:48 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82150	0.0800 *
4	3.63	t-Butanol	149970	0.9734
5	4.44	n-Propanol	196668	1.0000

Avg #46 + #47 = 0.079
RZM 7/8/14

14-08-080 37 RZM



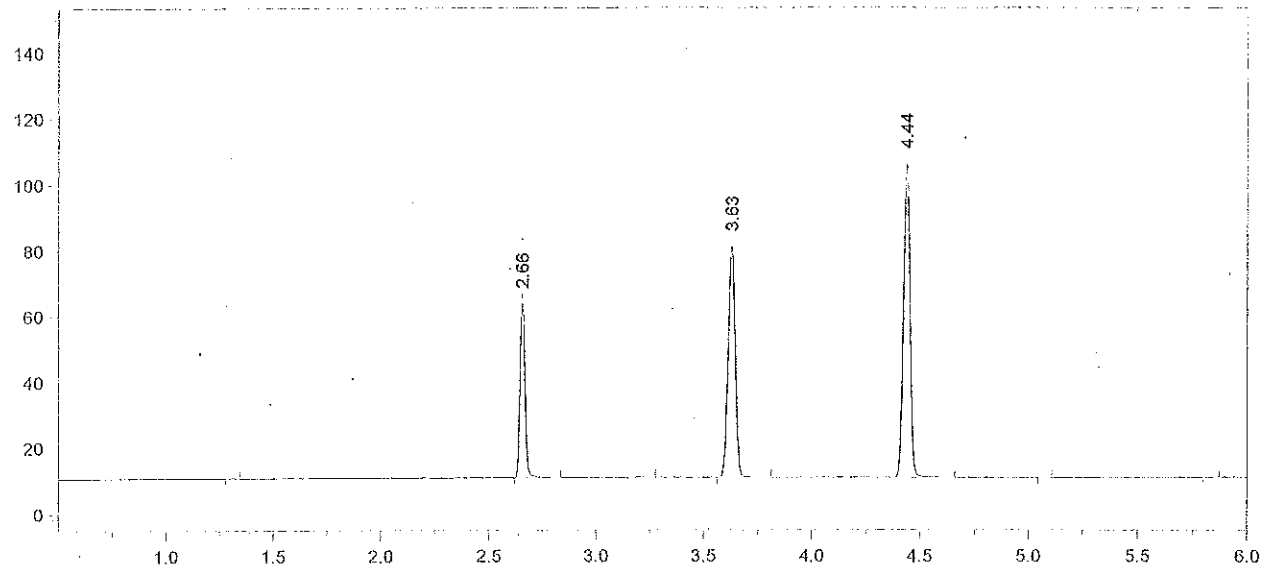
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 2:05:20 AM
Bound File Name = SIM07072014.0055.RAW
Sample Name = CCS
Date Taken = 7/8/2014 2:05:15 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85450	0.0823 *
4	3.63	t-Butanol	151634	0.9725
5	4.44	n-Propanol	199047	1.0000

14-08-080 38 HEM

Chrom Perfect Chromatogram Report



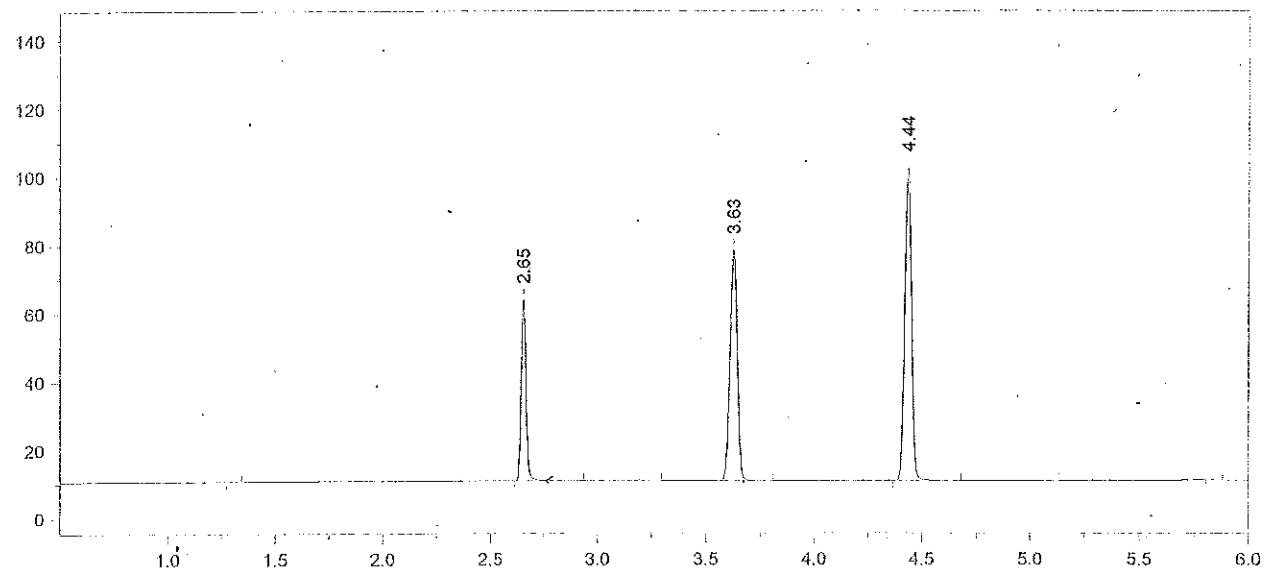
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 2:19:52 AM
Bound File Name = SIM07072014.0056.RAW
Sample Name = CCS
Date Taken = 7/8/2014 2:19:46 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	83024	0.0785 *
4	3.63	t-Butanol	162439	1.0231
5	4.44	n-Propanol	202679	1.0000

Avg #55 + #56 = 0.080
RZm 7/8/14

14-08-080 39 RZm



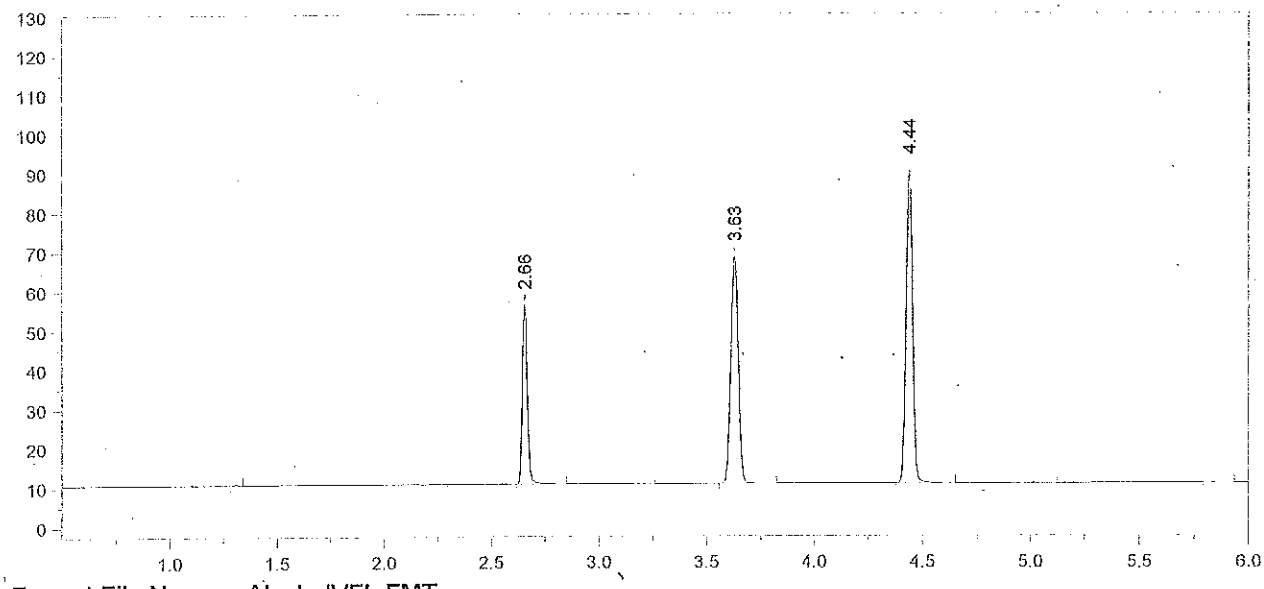
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 4:26:07 AM
Bound File Name = SIM07072014.0064.RAW
Sample Name = CCS
Date Taken = 7/8/2014 4:26:01 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82901	0.0812 *
4	3.63	t-Butanol	156638	1.0227
5	4.44	n-Propanol	195525	1.0000

14-08-080 40 RZM

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 4:39:53 AM
Bound File Name = SIM07072014.0065.RAW
Sample Name = CCS
Date Taken = 7/8/2014 4:39:44 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	71391	0.0805 *
4	3.63	t-Butanol	133351	1.0012
5	4.44	n-Propanol	170031	1.0000

Avg #64 + #65 = 0.081
RZM 7/8/14

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File Name: C:\Methods\SIM07082014.CAL
Version: 7

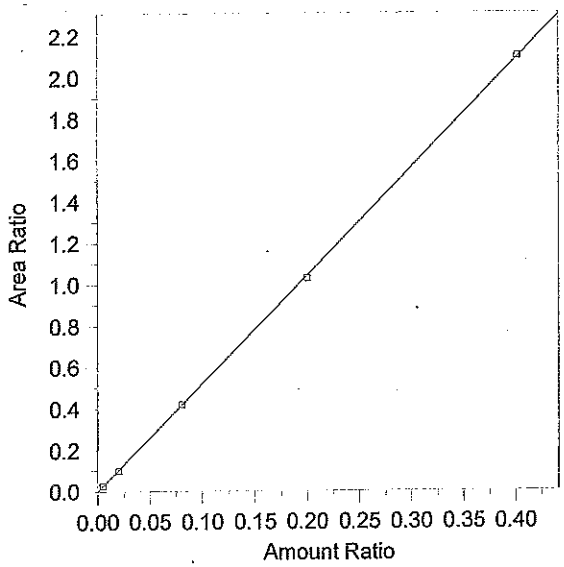
Creator:
Description:
Reason for change:

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 = 5.219236 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999113
Average error:	2.894%
Average CF:	5.27753
RSD:	4.671%

Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.091)	(85146)	--	--	0.091	85146	Manual	8/12/2013 4:03:34 PM
2	0.0049	5762.442	1176009	9.145	0.0049	2.791311E-02	C:\Alcohol Data\SIM07082014\SIM07082014.0003.BND	7/8/2014 11:04:16 AM
3	0.0197	19819.48	1006065	-3.097	0.0197	9.963418E-02	C:\Alcohol Data\SIM07082014\SIM07082014.0004.BND	7/8/2014 11:22:01 AM
4	0.0801	83102.71	1037487	0.564	0.0801	0.4204182	C:\Alcohol Data\SIM07082014\SIM07082014.0005.BND	7/8/2014 11:35:13 AM
5	0.1998	203236	1017197	-1.345	0.1998	1.028783	C:\Alcohol Data\SIM07082014\SIM07082014.0006.BND	7/8/2014 11:53:21 AM
6	0.4011	414131.8	1032490	0.317	0.4011	2.100077	C:\Alcohol Data\SIM07082014\SIM07082014.0007.BND	7/8/2014 12:06:45 PM

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Chrom Perfect Sequence File

File Name = C:\Alcohol Data\SIM07082014\SIM07082014.SEQ
Version = 1
File Date = 7/8/2014 9:56:42 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM07082014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM07082014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM07082014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM07082014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM07082014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM07082014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM07082014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM07082014.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM07082014.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM07082014.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM07082014.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM07082014.0012.raw	simsoln.met	0.1 RLM	1.00	1.00
13	SIM07082014.0013.raw	simsoln.met	0.1 RLM	1.00	1.00
14	SIM07082014.0014.raw	simsoln.met	0.1 RLM	1.00	1.00
15	SIM07082014.0015.raw	simsoln.met	0.1 RLM	1.00	1.00
16	SIM07082014.0016.raw	simsoln.met	0.1 RLM	1.00	1.00
17	SIM07082014.0017.raw	simsoln.met	0.1 RLM	1.00	1.00
18	SIM07082014.0018.raw	simsoln.met	0.1 RLM	1.00	1.00
19	SIM07082014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM07082014.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM07082014.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	SIM07082014.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	SIM07082014.0023.raw	simsoln.met	0.1 ALB	1.00	1.00
24	SIM07082014.0024.raw	simsoln.met	0.1 ALB	1.00	1.00
25	SIM07082014.0025.raw	simsoln.met	0.1 ALB	1.00	1.00
26	SIM07082014.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	SIM07082014.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	SIM07082014.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM07082014.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
30	SIM07082014.0030.raw	simsoln.met	0.08 RLM	1.00	1.00
31	SIM07082014.0031.raw	simsoln.met	0.08 RLM	1.00	1.00
32	SIM07082014.0032.raw	simsoln.met	0.08 RLM	1.00	1.00
33	SIM07082014.0033.raw	simsoln.met	0.08 RLM	1.00	1.00
34	SIM07082014.0034.raw	simsoln.met	0.08 RLM	1.00	1.00
35	SIM07082014.0035.raw	simsoln.met	0.08 RLM	1.00	1.00
36	SIM07082014.0036.raw	simsoln.met	0.08 RLM	1.00	1.00
37	SIM07082014.0037.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
38	SIM07082014.0038.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
39	SIM07082014.0039.raw	simsoln.met	0.08 ALB	1.00	1.00
40	SIM07082014.0040.raw	simsoln.met	0.08 ALB	1.00	1.00
41	SIM07082014.0041.raw	simsoln.met	0.08 ALB	1.00	1.00
42	SIM07082014.0042.raw	simsoln.met	0.08 ALB	1.00	1.00
43	SIM07082014.0043.raw	simsoln.met	0.08 ALB	1.00	1.00
44	SIM07082014.0044.raw	simsoln.met	0.08 ALB	1.00	1.00
45	SIM07082014.0045.raw	simsoln.met	0.08 ALB	1.00	1.00
46	SIM07082014.0046.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
47	SIM07082014.0047.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
48	SIM07082014.0048.raw	simsoln.met	0.4 RLM	1.00	1.00
49	SIM07082014.0049.raw	simsoln.met	0.4 RLM	1.00	1.00
50	SIM07082014.0050.raw	simsoln.met	0.4 RLM	1.00	1.00
51	SIM07082014.0051.raw	simsoln.met	0.4 RLM	1.00	1.00
52	SIM07082014.0052.raw	simsoln.met	0.4 RLM	1.00	1.00
53	SIM07082014.0053.raw	simsoln.met	0.4 RLM	1.00	1.00
54	SIM07082014.0054.raw	simsoln.met	0.4 RLM	1.00	1.00
55	SIM07082014.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
56	SIM07082014.0056.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
57	SIM07082014.0057.raw	simsoln.met	0.4 ALB	1.00	1.00
58	SIM07082014.0058.raw	simsoln.met	0.4 ALB	1.00	1.00
59	SIM07082014.0059.raw	simsoln.met	0.4 ALB	1.00	1.00
60	SIM07082014.0060.raw	simsoln.met	0.4 ALB	1.00	1.00
61	SIM07082014.0061.raw	simsoln.met	0.4 ALB	1.00	1.00
62	SIM07082014.0062.raw	simsoln.met	0.4 ALB	1.00	1.00

other concentration of sim solutions not included
dm 7/9/14

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Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM07082014.0063.raw	simsoln.met	0.4 ALB	1.00	1.00
64	SIM07082014.0064.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
65	SIM07082014.0065.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

IS-03202014

TMX-08122013

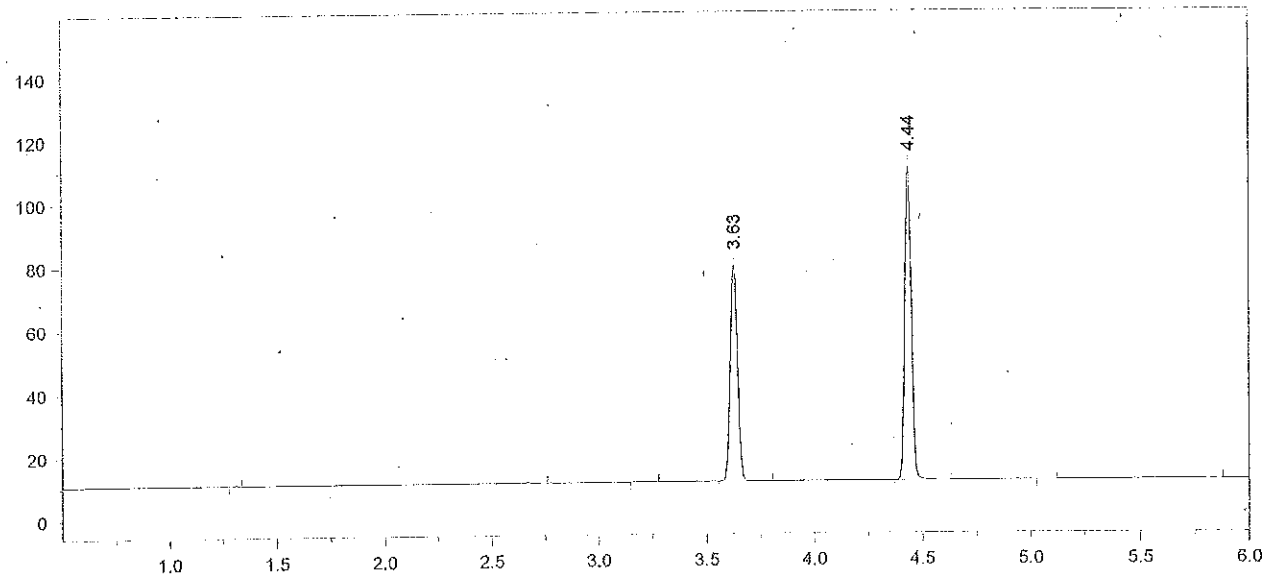
ES-06162014

AQ QC ~~Ctr~~ 7/9/14 Ceilliant FN021111-03

7/9/14 [illegible]

14-08-080 44 [illegible]

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:02:37 AM
Bound File Name = SIM07082014.0001.RAW
Sample Name = Blank
Date Taken = 7/8/2014 10:33:06 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	159001	0.9664
5	4.44	n-Propanol	209992	1.0000

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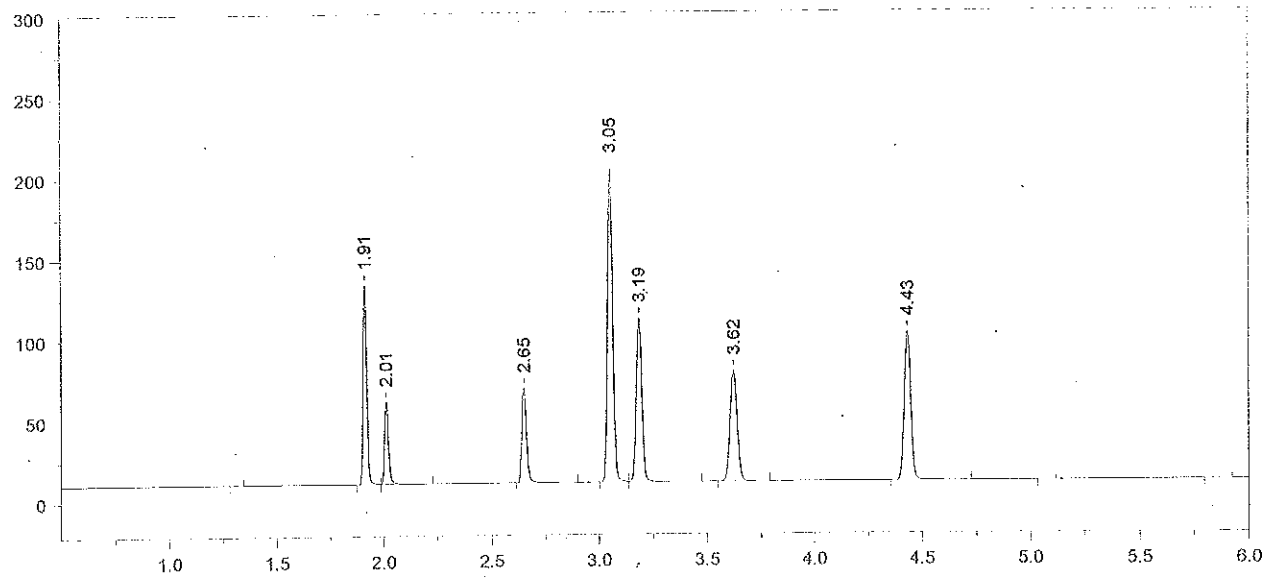
Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:02:54 AM
Bound File Name = SIM07082014.0002.RAW
Sample Name = TMX
Date Taken = 7/8/2014 10:50:25 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.91	Acetaldehyde	142576	0.0520
3	2.01	Methanol	65163	0.1370
4	2.65	Ethanol	90624	0.0887
5	3.05	Acetone	330510	0.0940
6	3.19	Isopropanol	188601	0.0850
7	3.62	t-Butanol	157696	1.0283
8	4.43	n-Propanol	195729	1.0000

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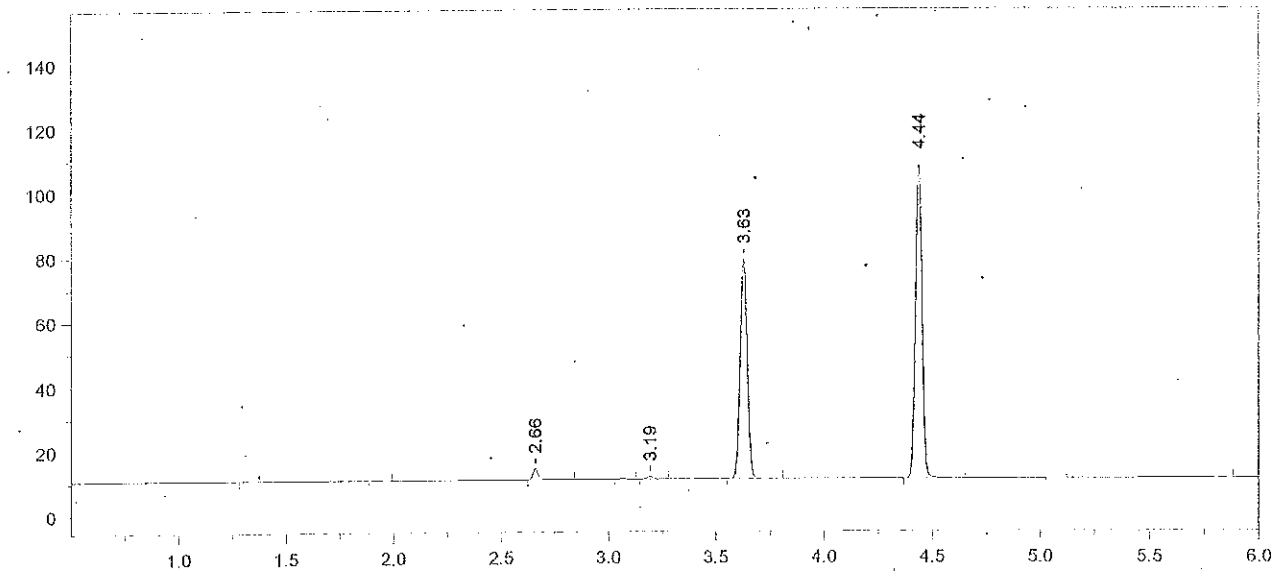
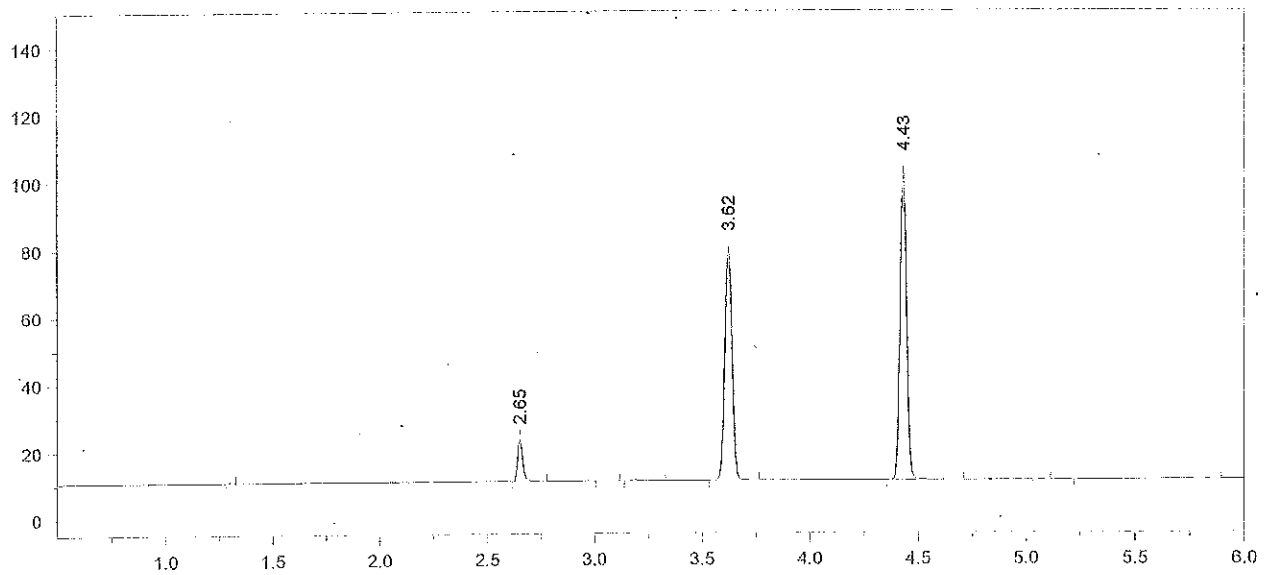


Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:03:02 AM
Bound File Name = SIM07082014.0003.RAW
Sample Name = STD A
Date Taken = 7/8/2014 11:04:08 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05762	0.0053
5	3.19	Isopropanol	01502	<0.004
6	3.63	t-Butanol	157332	0.9727
7	4.44	n-Propanol	206442	1.0000



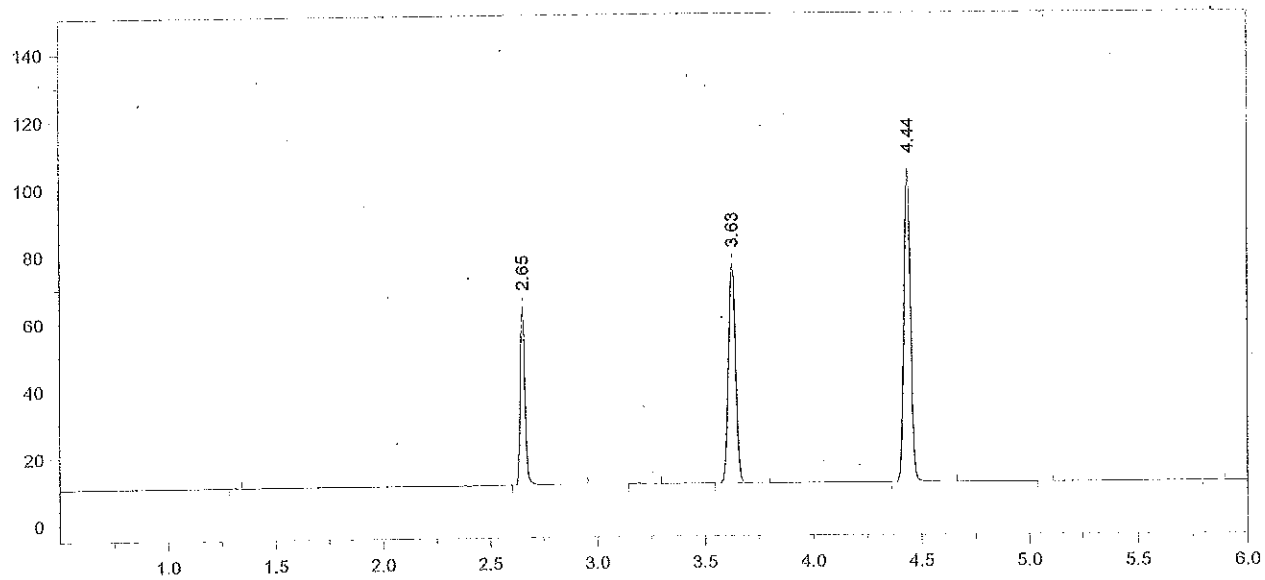
Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:03:10 AM
Bound File Name = SIM07082014.0004.RAW
Sample Name = STD B
Date Taken = 7/8/2014 11:21:52 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	19819	0.0191
5	3.62	t-Butanol	160402	1.0291
6	4.43	n-Propanol	198923	1.0000

14-08-080 48 KZm

Chrom Perfect Chromatogram Report



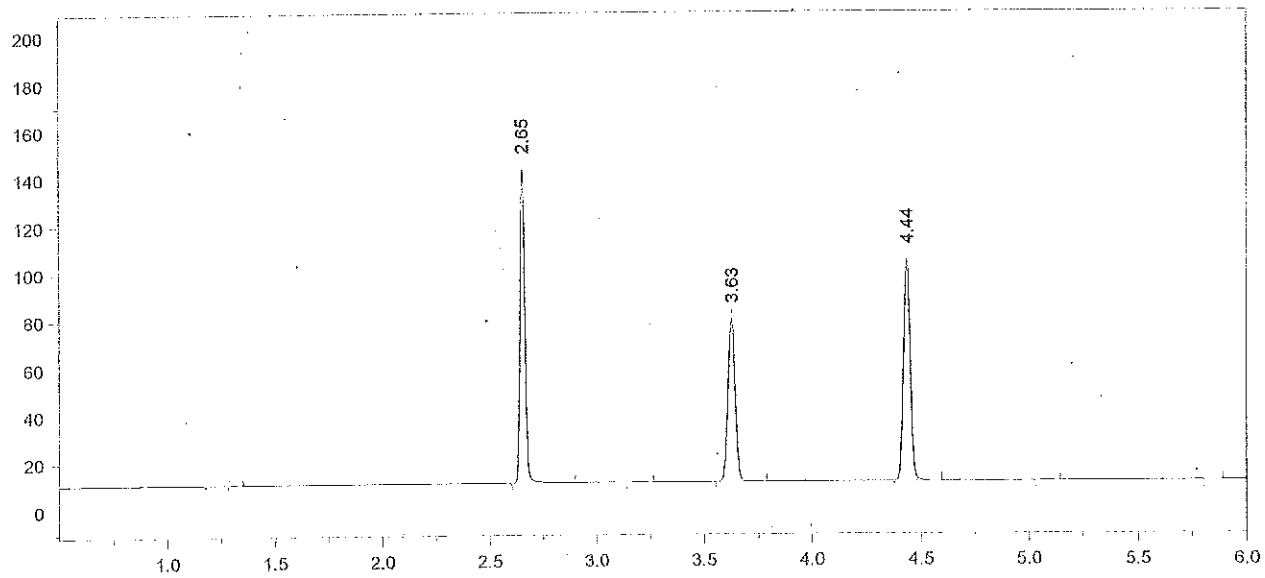
Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:03:17 AM
Bound File Name = SIM07082014.0005.RAW
Sample Name = STD C
Date Taken = 7/8/2014 11:35:05 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83103	0.0806
4	3.63	t-Butanol	151074	0.9754
5	4.44	n-Propanol	197667	1.0000

14-08-080 49 RZM

Chrom Perfect Chromatogram Report

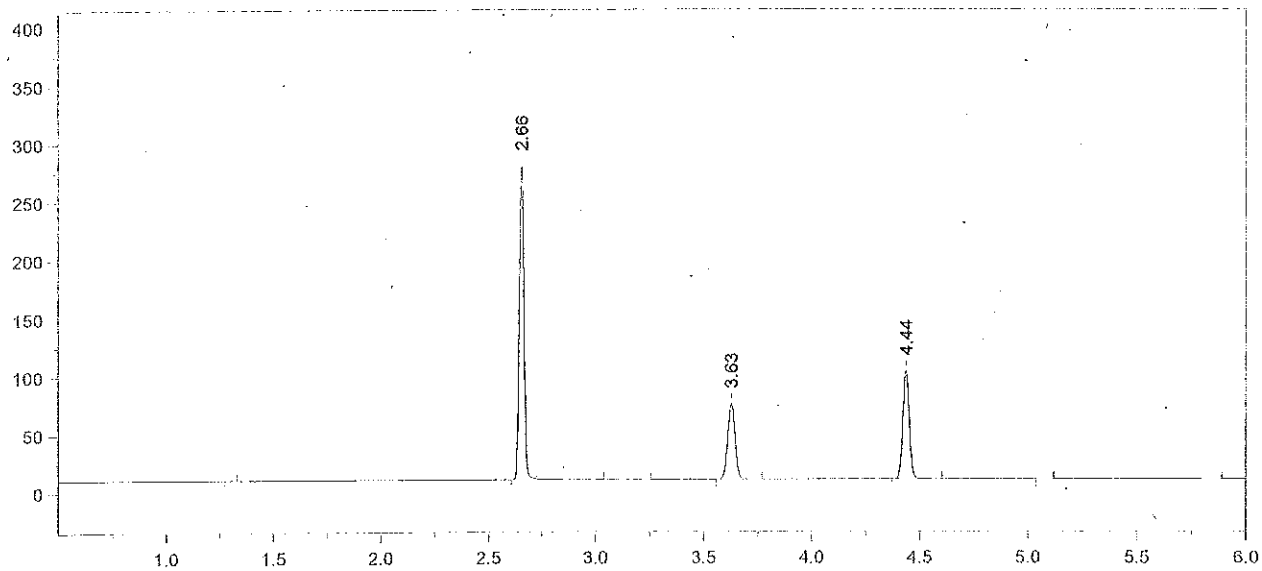


Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:03:25 AM
Bound File Name = SIM07082014.0006.RAW
Sample Name = STD D
Date Taken = 7/8/2014 11:53:16 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	203236	0.1971
4	3.63	t-Butanol	158742	1.0256
5	4.44	n-Propanol	197550	1.0000

14-08-080 50 MM

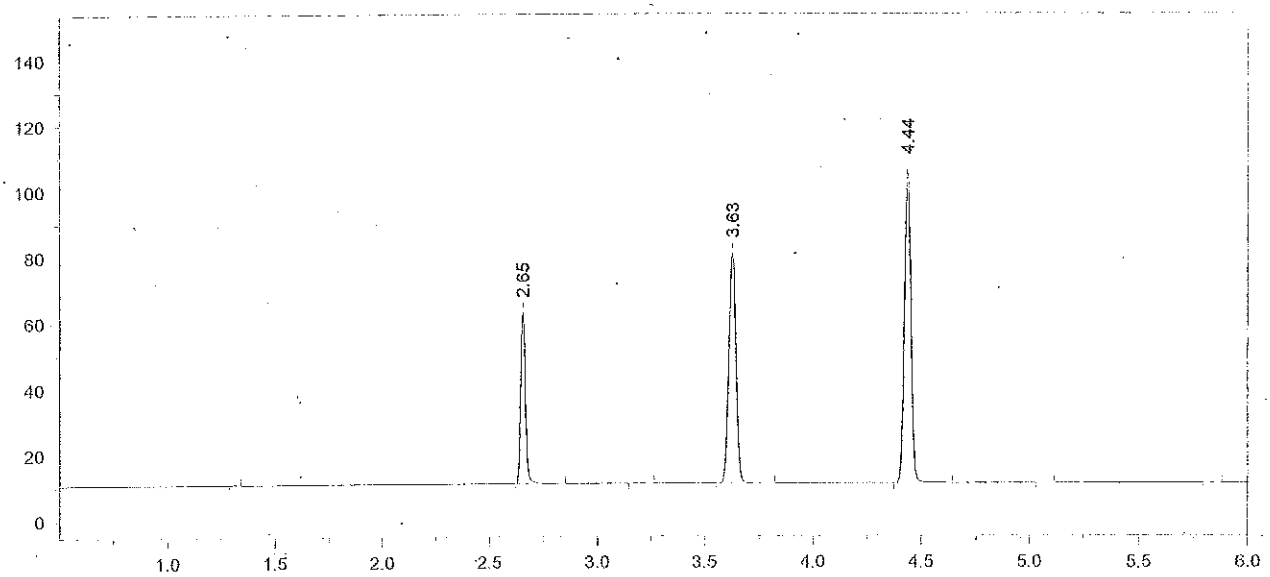


Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 8:03:33 AM
Bound File Name = SIM07082014.0007.RAW
Sample Name = STD E
Date Taken = 7/8/2014 12:06:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	414132	0.4024
4	3.63	t-Butanol	149715	0.9690
5	4.44	n-Propanol	197198	1.0000

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 12:24:51 PM
Bound File Name = SIM07082014.0008.RAW
Sample Name = AQ QC
Date Taken = 7/8/2014 12:24:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81474	0.0775
4	3.63	t-Butanol	162062	1.0268
5	4.44	n-Propanol	201446	1.0000

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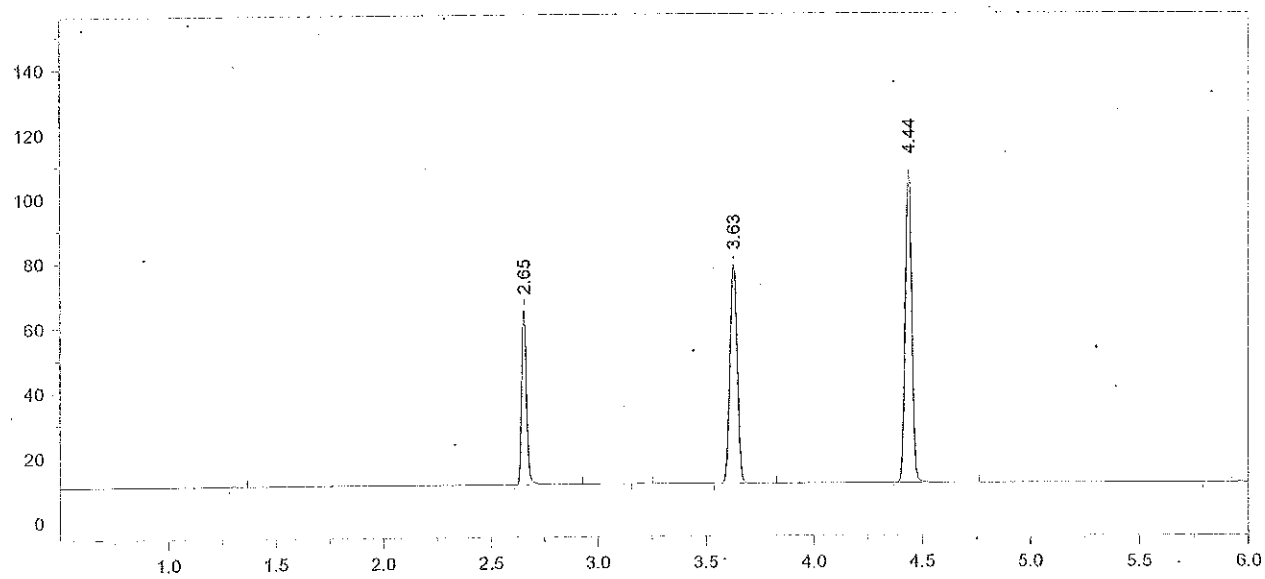


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 12:38:02 PM
Bound File Name = SIM07082014.0009.RAW
Sample Name = AQ QC
Date Taken = 7/8/2014 12:37:56 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

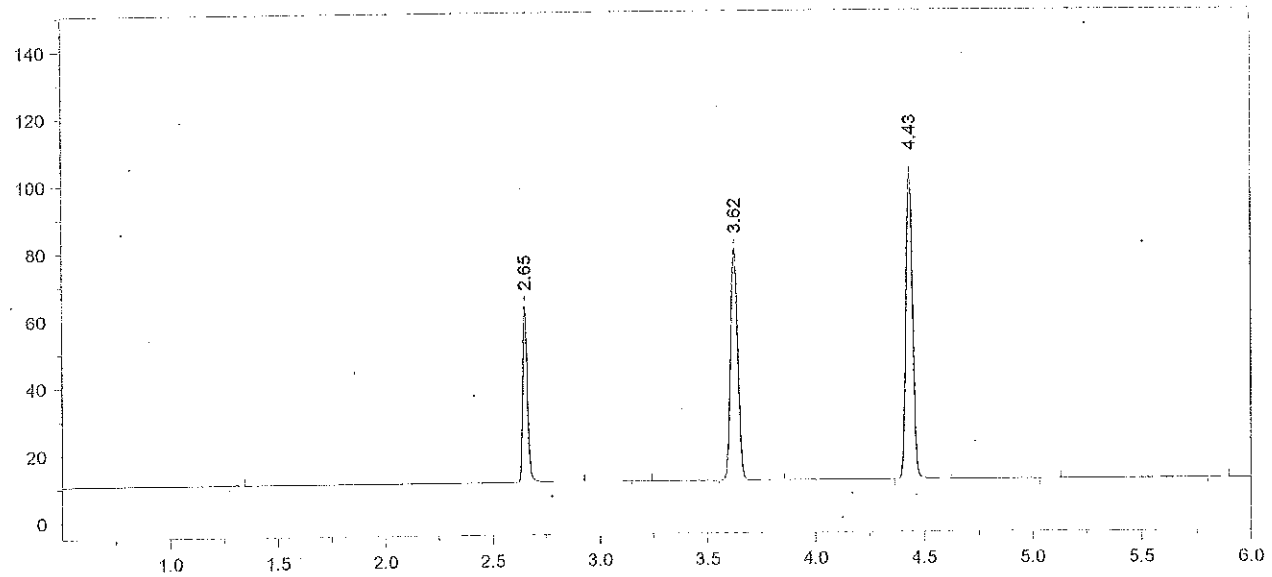
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84779	0.0789
4	3.63	t-Butanol	156903	0.9732
5	4.44	n-Propanol	205762	1.0000

Avg vials 8+9= 0.078
7/9/14 [illegible]

TV= 0.080 97% recovery
7/9/14 [illegible]

14-08-080 53 [illegible]

Chrom Perfect Chromatogram Report

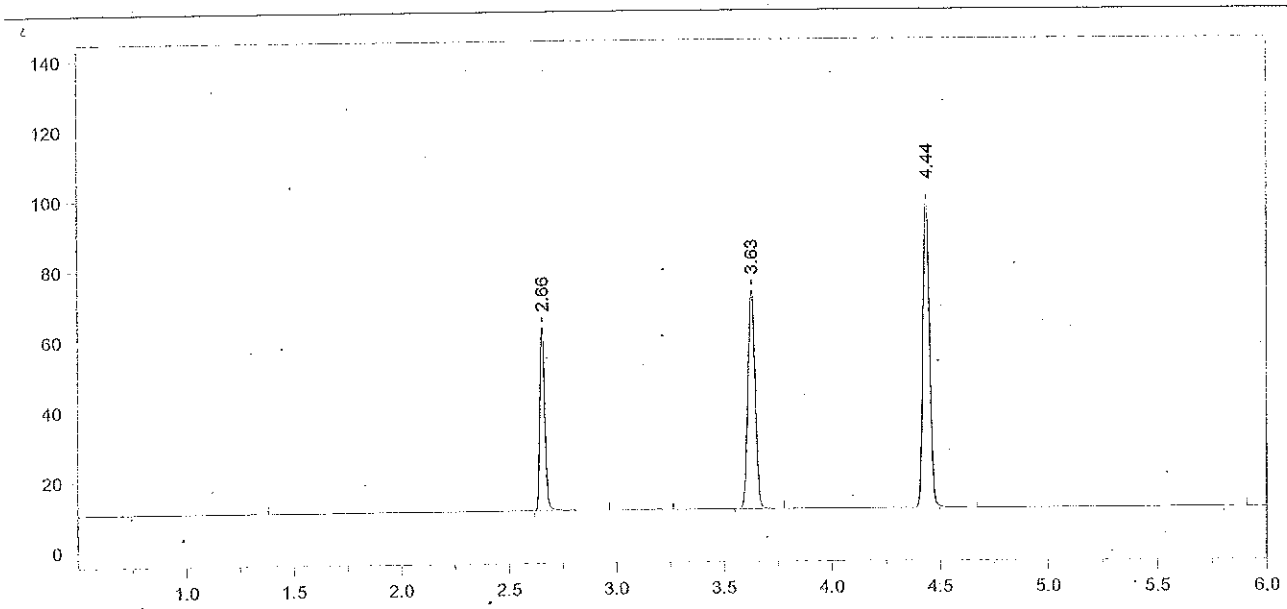


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 12:56:19 PM
Bound File Name = SIM07082014.0010.RAW
Sample Name = CCS
Date Taken = 7/8/2014 12:56:10 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82115	0.0796
4	3.62	t-Butanol	159958	1.0327
5	4.43	n-Propanol	197682	1.0000

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 1:10:08 PM
Bound File Name = SIM07082014.0011.RAW
Sample Name = CCS
Date Taken = 7/8/2014 1:10:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

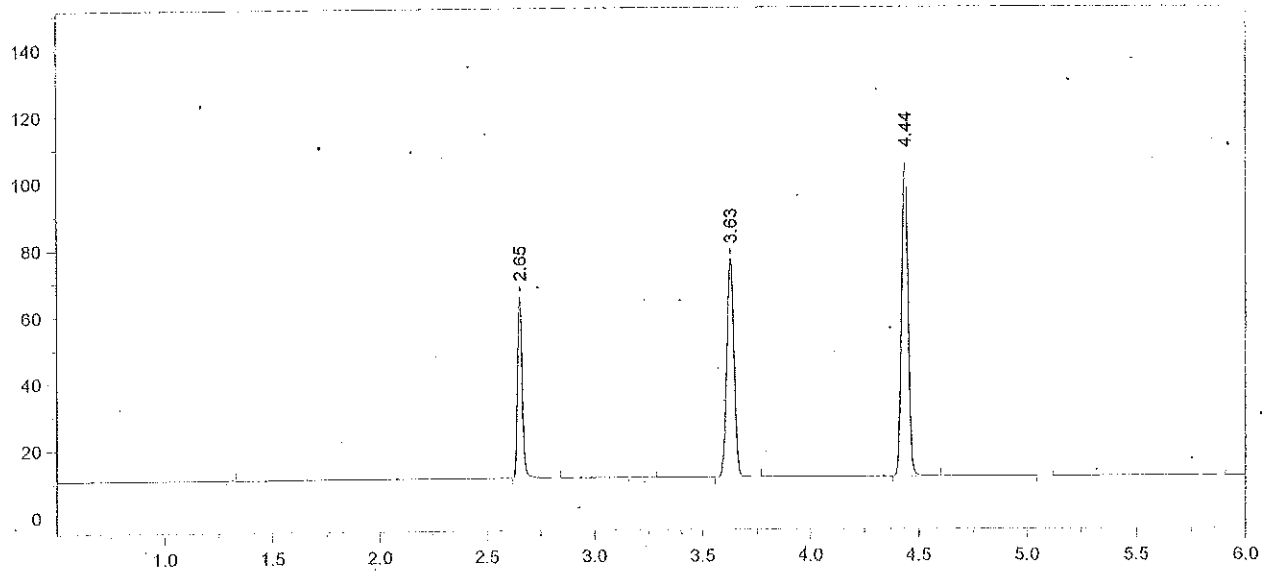
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82100	0.0825
4	3.63	t-Butanol	144073	0.9645
5	4.44	n-Propanol	190647	1.0000

Avg vials 10 + 11 = 0.081

7/9/14 [illegible]

14-08-080 55 [illegible]

Chrom Perfect Chromatogram Report

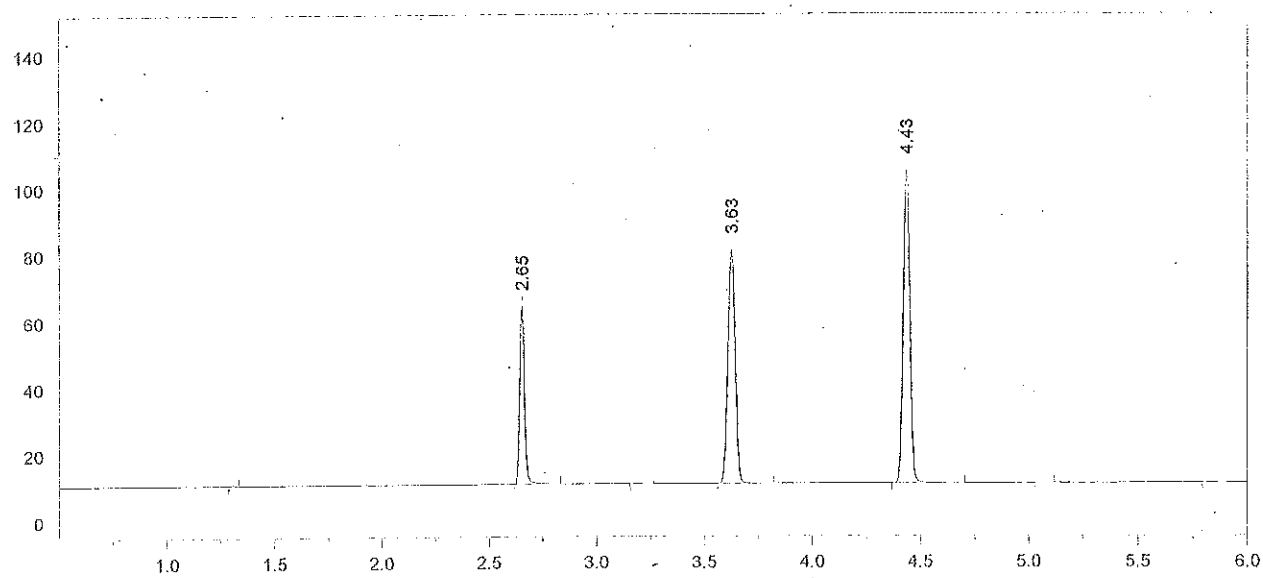


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 3:15:46 PM
Bound File Name = SIM07082014.0019.RAW
Sample Name = CCS
Date Taken = 7/8/2014 3:15:40 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84698	0.0817
4	3.63	t-Butanol	151996	0.9763
5	4.44	n-Propanol	198689	1.0000

14-08-080 56 RZM

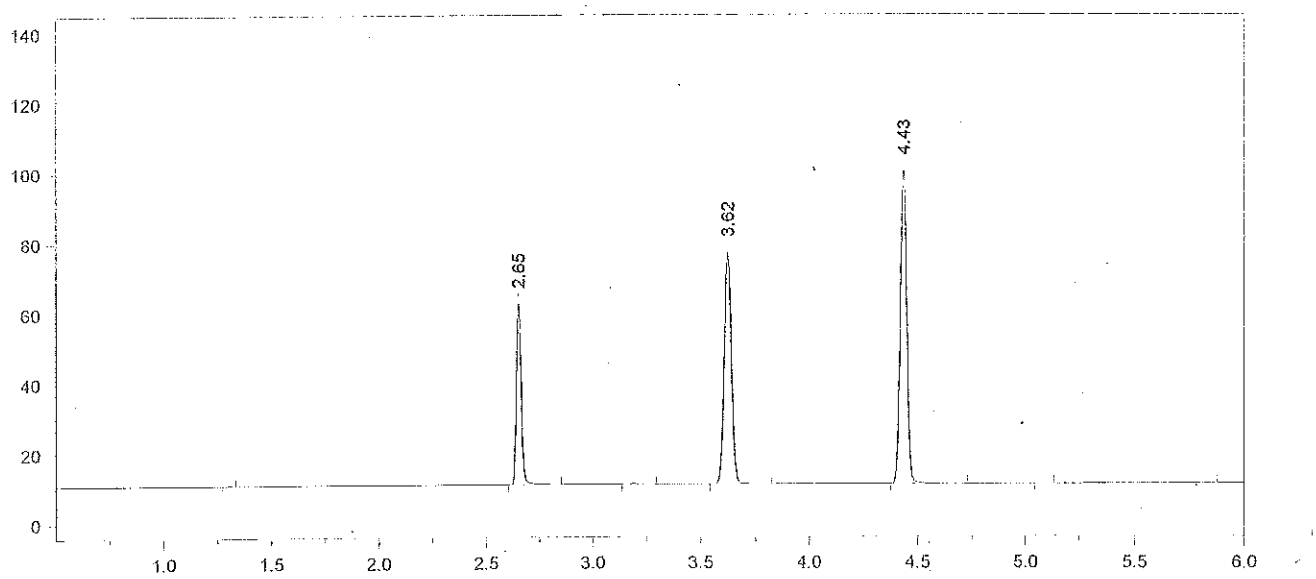


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 3:33:28 PM
Bound File Name = SIM07082014.0020.RAW
Sample Name = CCS
Date Taken = 7/8/2014 3:33:19 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83166	0.0790
4	3.63	t-Butanol	162704	1.0294
5	4.43	n-Propanol	201717	1.0000

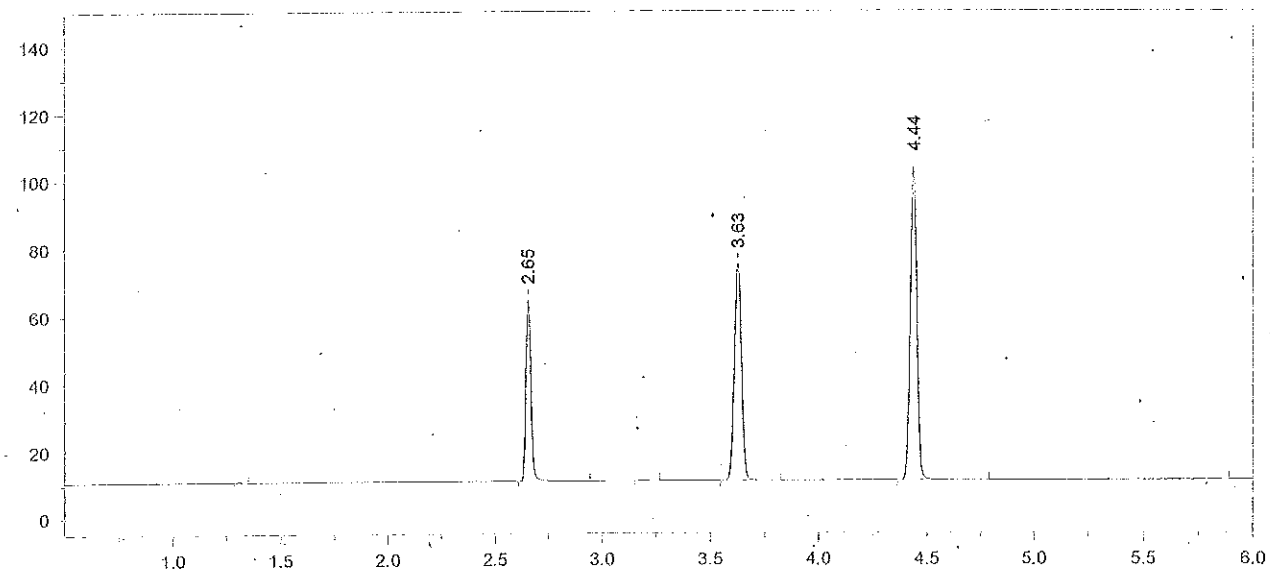
Avg vials 19 + 20 = 0.080
AHO 7/9/14



Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 5:37:40 PM
Bound File Name = SIM07082014.0028.RAW
Sample Name = CCS
Date Taken = 7/8/2014 5:37:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80106	0.0806
4	3.62	t-Butanol	153207	1.0267
5	4.43	n-Propanol	190441	1.0000

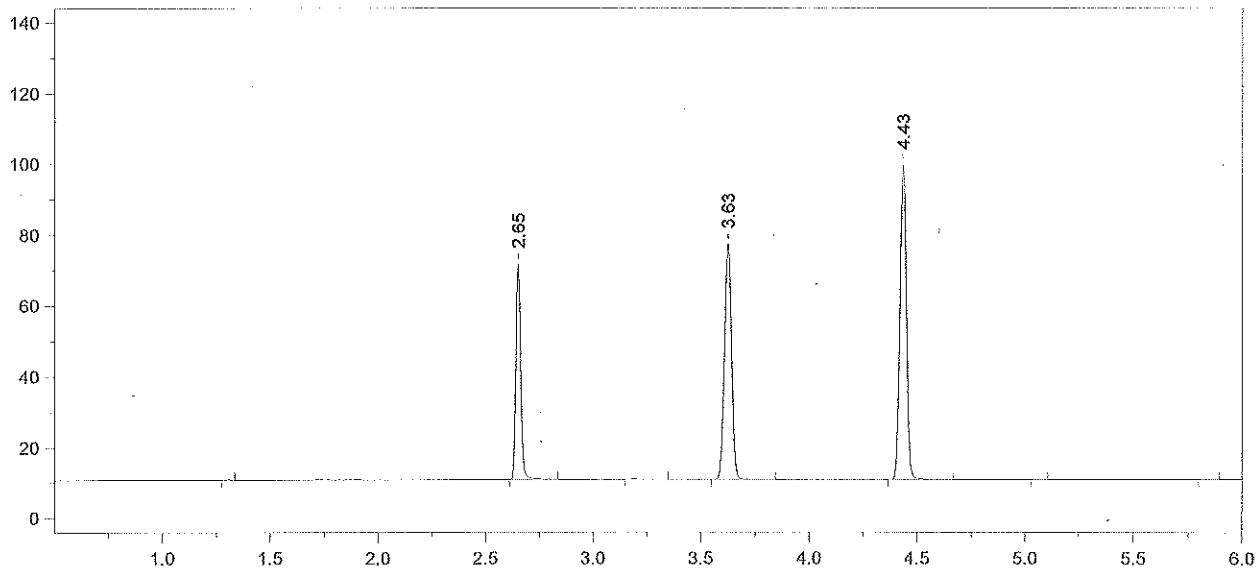


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 5:51:20 PM
Bound File Name = SIM07082014.0029.RAW
Sample Name = CCS
Date Taken = 7/8/2014 5:51:09 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84323	0.0820
4	3.63	t-Butanol	149424	0.9681
5	4.44	n-Propanol	196980	1.0000

Avg vials 28+29 = 0.081
7/9/14 AWB

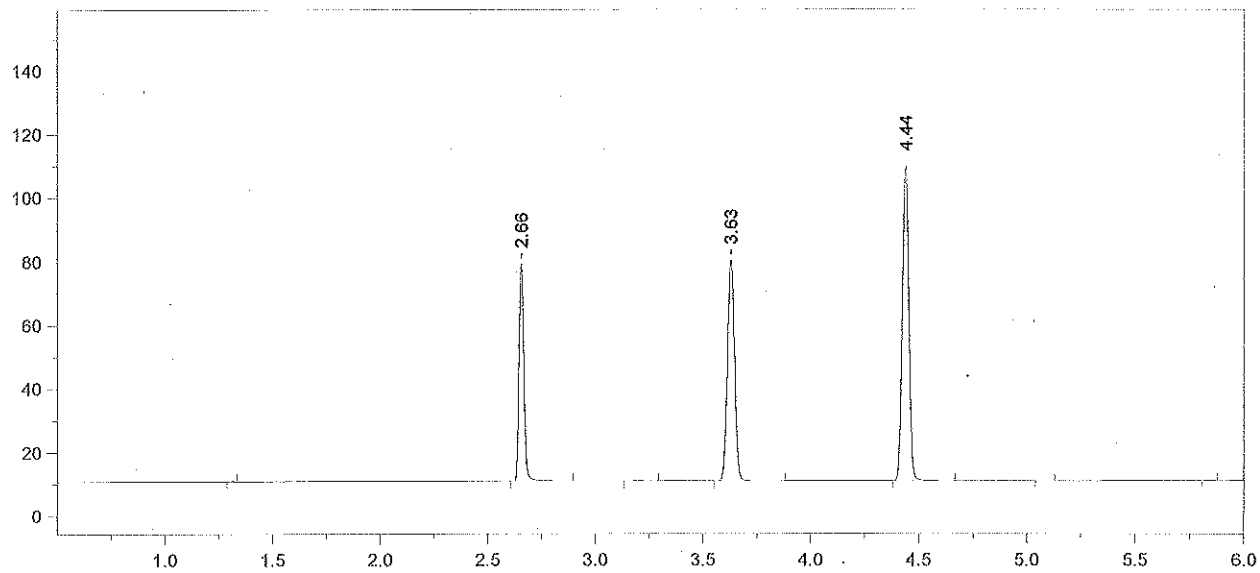


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 6:09:04 PM
Bound File Name = SIM07082014.0030.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 6:08:53 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94362	0.0955	0.0780
4	3.63	t-Butanol	153649	1.0361	0.8457
5	4.43	n-Propanol	189256	1.0000	0.8162

14-08-080 60 RLM

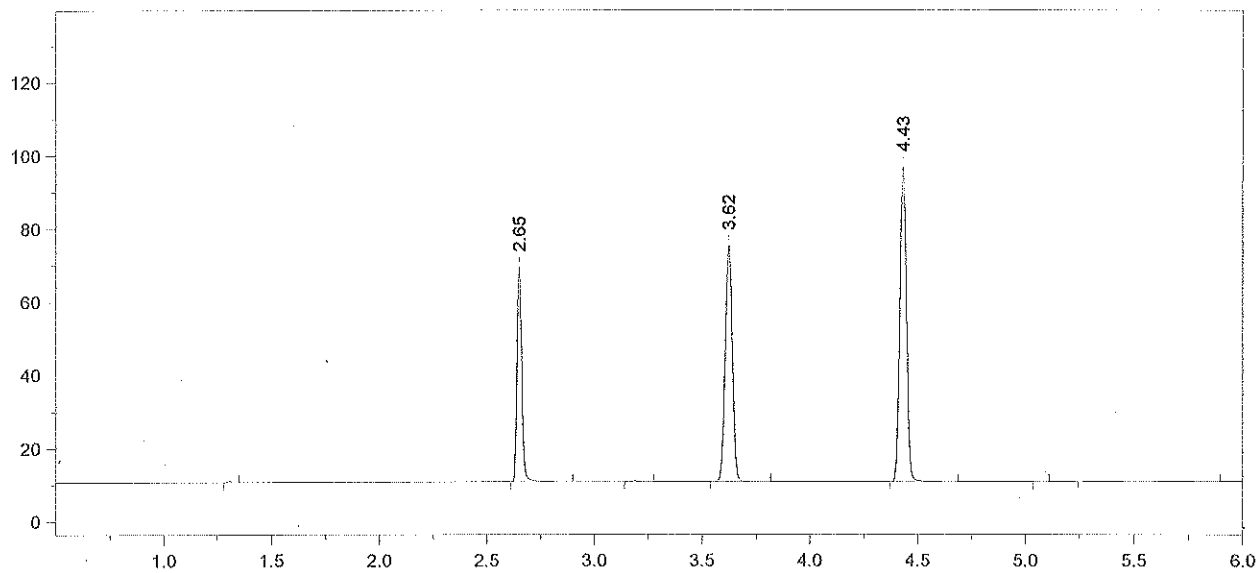


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 6:22:44 PM
Bound File Name = SIM07082014.0031.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 6:22:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	106788	0.0972	0.0793
4	3.63	t-Butanol	160906	0.9757	0.7963
5	4.44	n-Propanol	210481	1.0000	0.8162

14-08-080 61 RLM

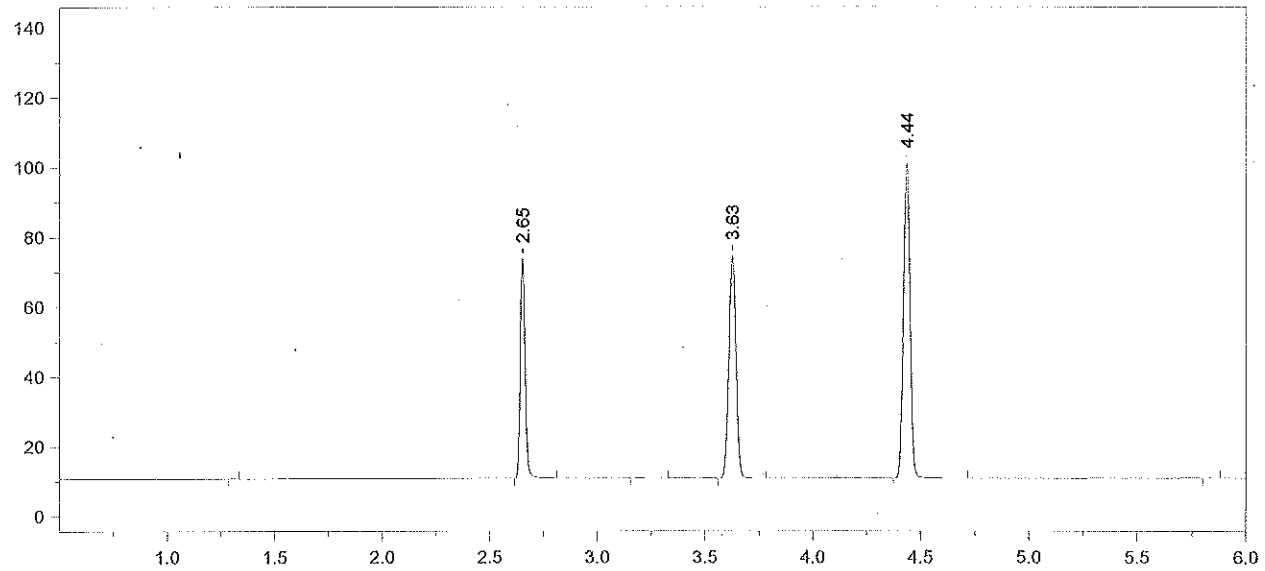


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 6:40:28 PM
Bound File Name = SIM07082014.0032.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 6:40:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	91251	0.0954	0.0778
4	3.62	t-Butanol	148748	1.0354	0.8451
5	4.43	n-Propanol	183359	1.0000	0.8162

14-08-080 62 RZM

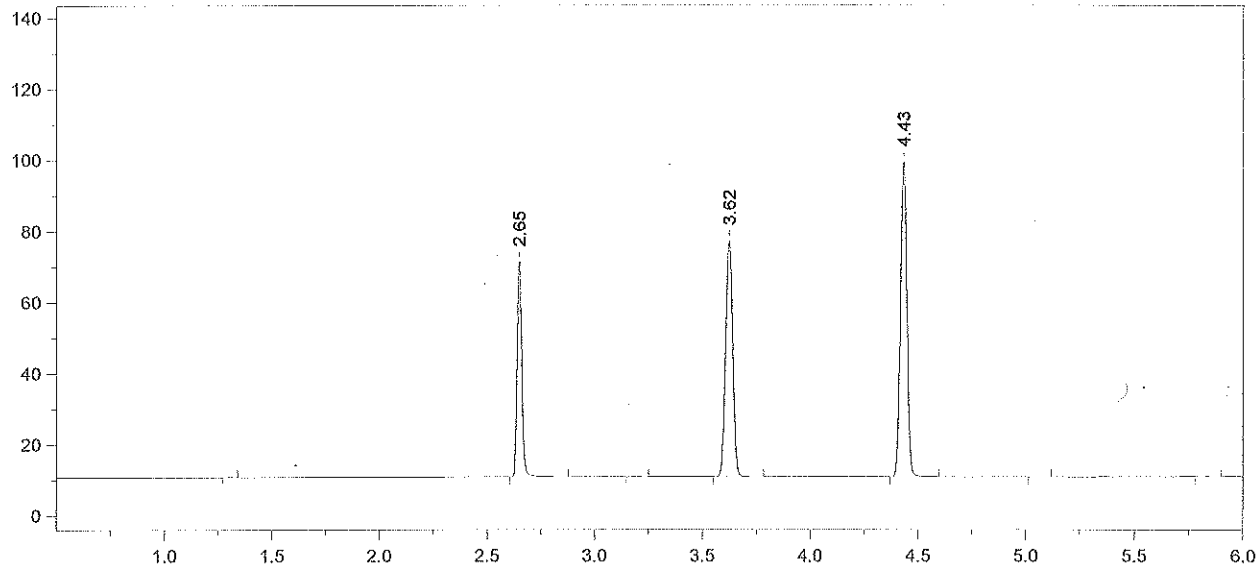


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 6:54:08 PM
Bound File Name = SIM07082014.0033.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 6:53:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	97535	0.0969	0.0791
4	3.63	t-Butanol	147366	0.9755	0.7962
5	4.44	n-Propanol	192805	1.0000	0.8162

14-08-080 63 RZM

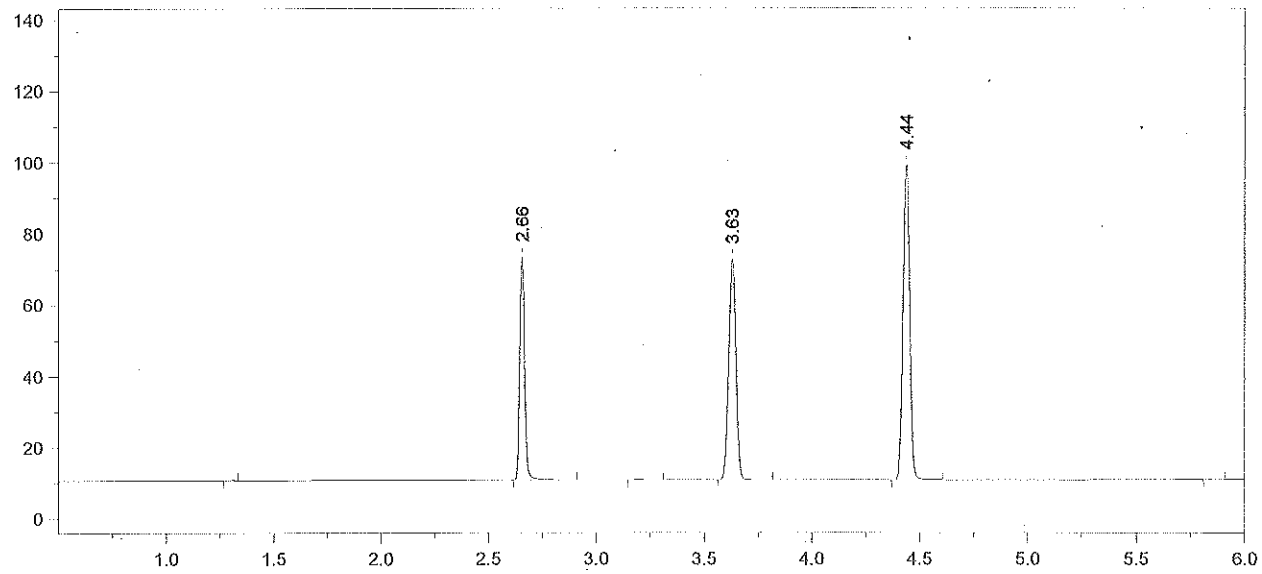


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 7:11:54 PM
Bound File Name = SIM07082014.0034.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 7:11:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94050	0.0953	0.0778
4	3.62	t-Butanol	153621	1.0366	0.8461
5	4.43	n-Propanol	189132	1.0000	0.8162

14-08-080 64 RLM

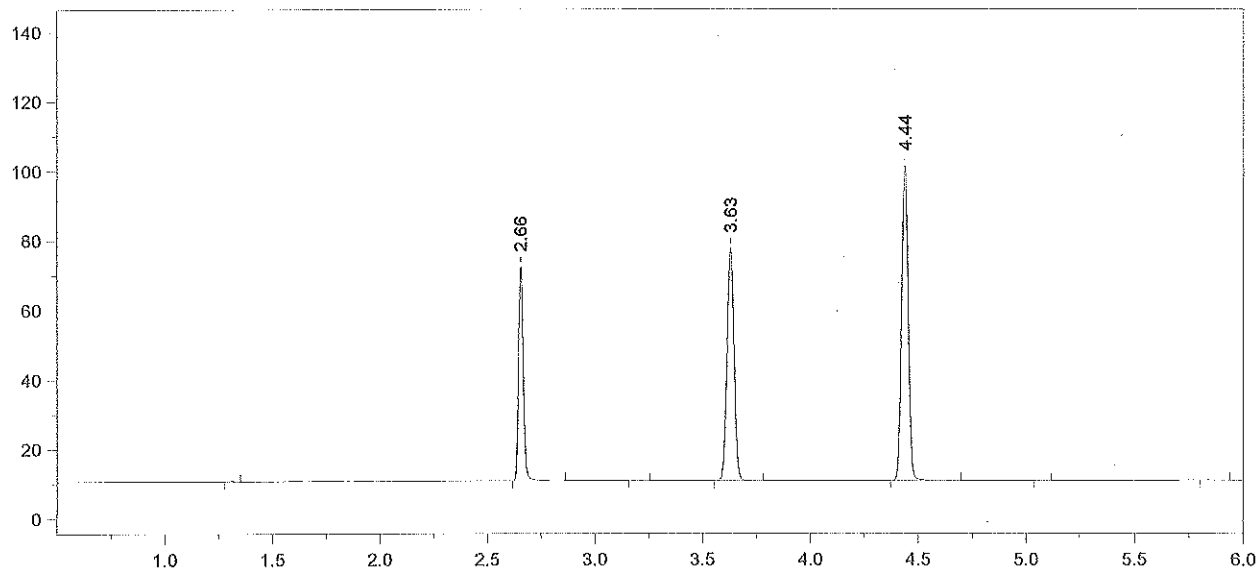


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 7:25:54 PM
Bound File Name = SIM07082014.0035.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 7:25:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	97502	0.0993	0.0810
4	3.63	t-Butanol	142906	0.9693	0.7911
5	4.44	n-Propanol	188161	1.0000	0.8162

14-08-080 65 RZM

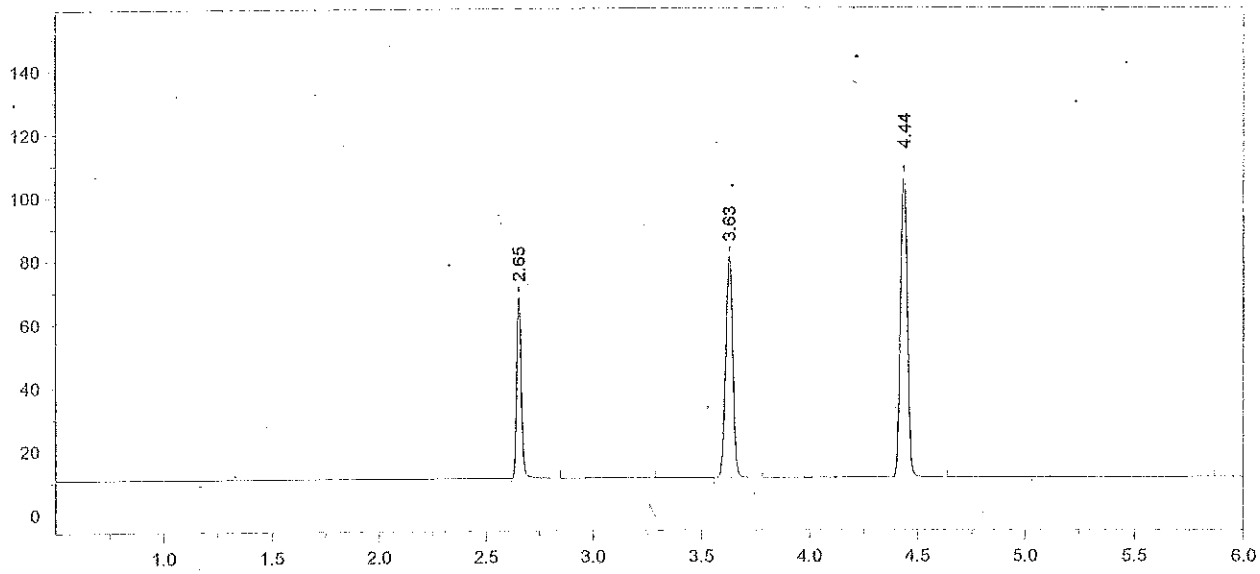


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 7:43:24 PM
Bound File Name = SIM07082014.0036.RAW
Sample Name = 0.08 RLM
Date Taken = 7/8/2014 7:43:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	95741	0.0955	0.0779
4	3.63	t-Butanol	154352	1.0253	0.8369
5	4.44	n-Propanol	192127	1.0000	0.8162

14-08-080 66 RLM

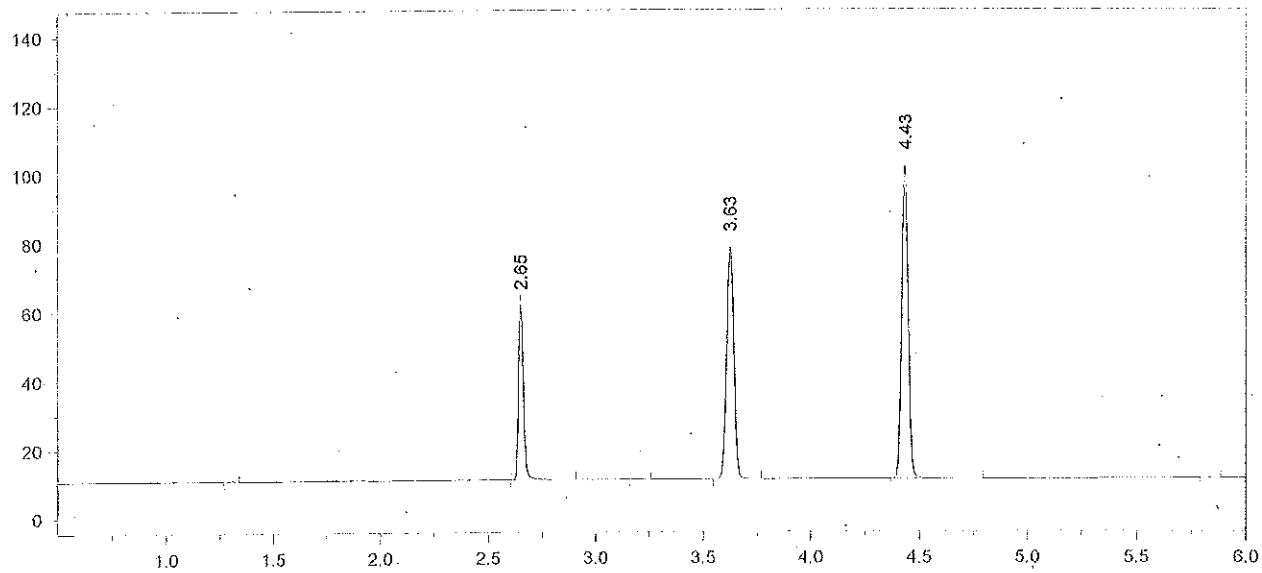


Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 7:56:36 PM
Bound File Name = SIM07082014.0037.RAW
Sample Name = CCS
Date Taken = 7/8/2014 7:56:27 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	88715	0.0811
4	3.63	t-Butanol	161995	0.9860
5	4.44	n-Propanol	209691	1.0000

Chrom Perfect Chromatogram Report



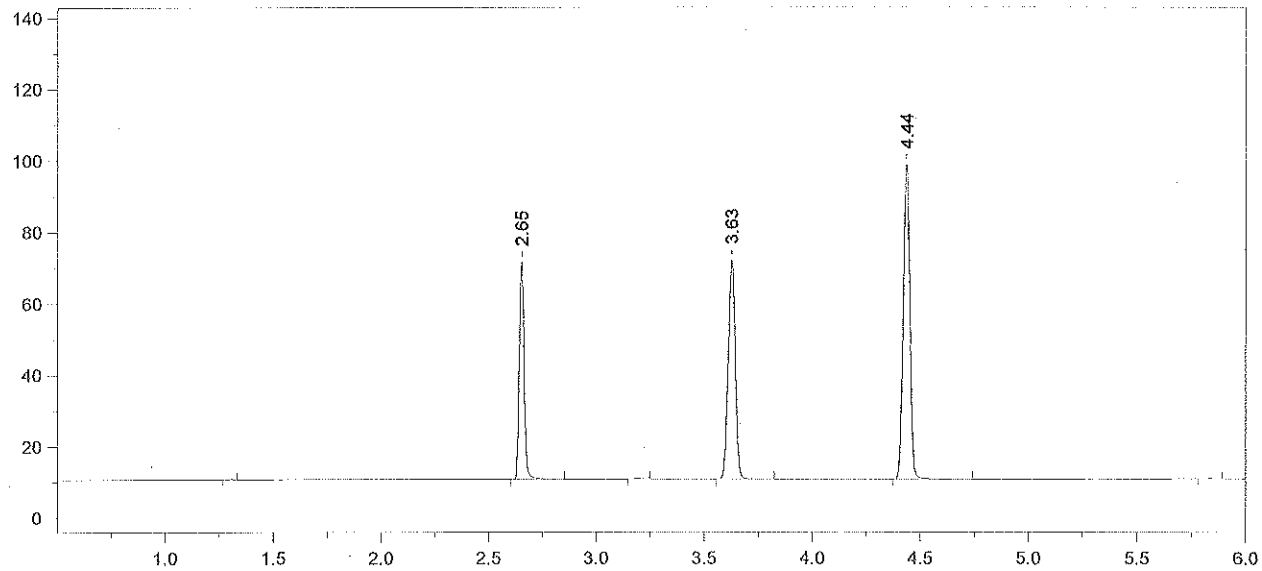
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 8:14:52 PM
Bound File Name = SIM07082014.0038.RAW
Sample Name = CCS
Date Taken = 7/8/2014 8:14:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	80040	0.0797
4	3.63	t-Butanol	156171	1.0352
5	4.43	n-Propanol	192534	1.0000

Avg vials 37 + 38 = 0.080
7/9/14. AHS

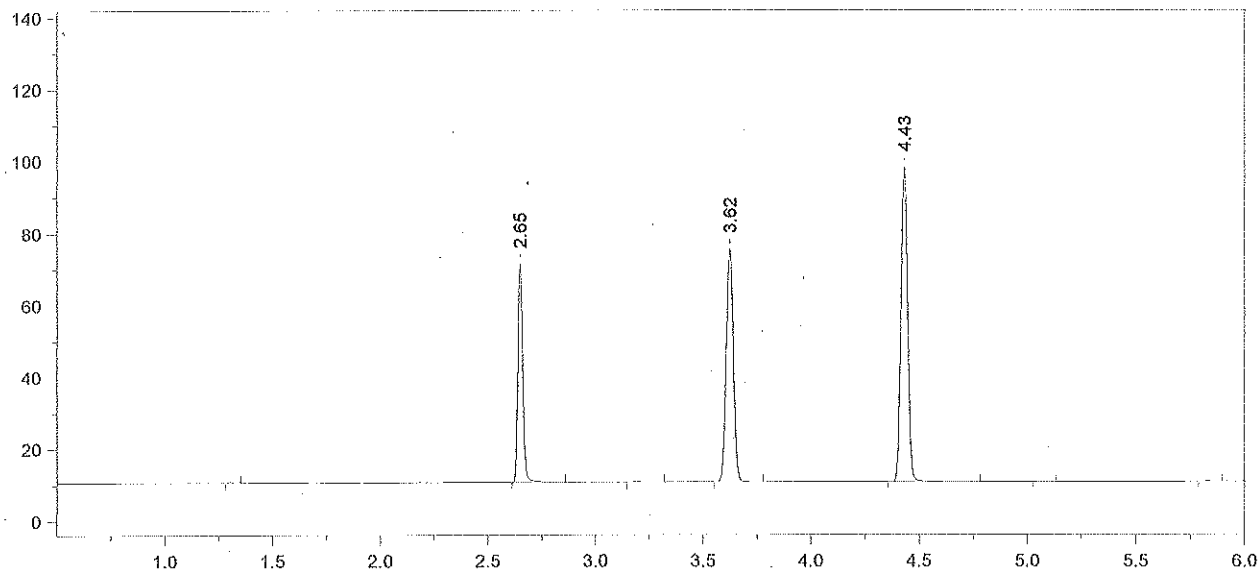
14-08-080
68
RZM



Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 8:28:04 PM
Bound File Name = SIM07082014.0039.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 8:27:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94659	0.0966	0.0789
4	3.63	t-Butanol	142147	0.9665	0.7888
5	4.44	n-Propanol	187714	1.0000	0.8162

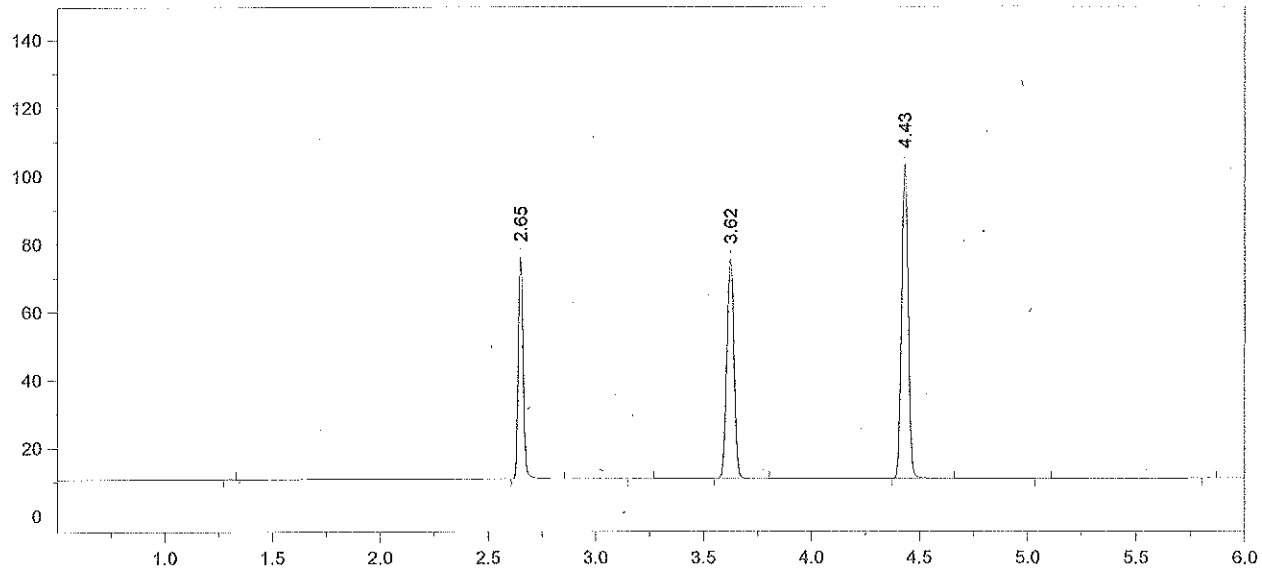


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 8:46:23 PM
Bound File Name = SIM07082014.0040.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 8:46:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	94451	0.0972	0.0793
4	3.62	t-Butanol	150075	1.0287	0.8396
5	4.43	n-Propanol	186200	1.0000	0.8162

14-08-080 70 KZM

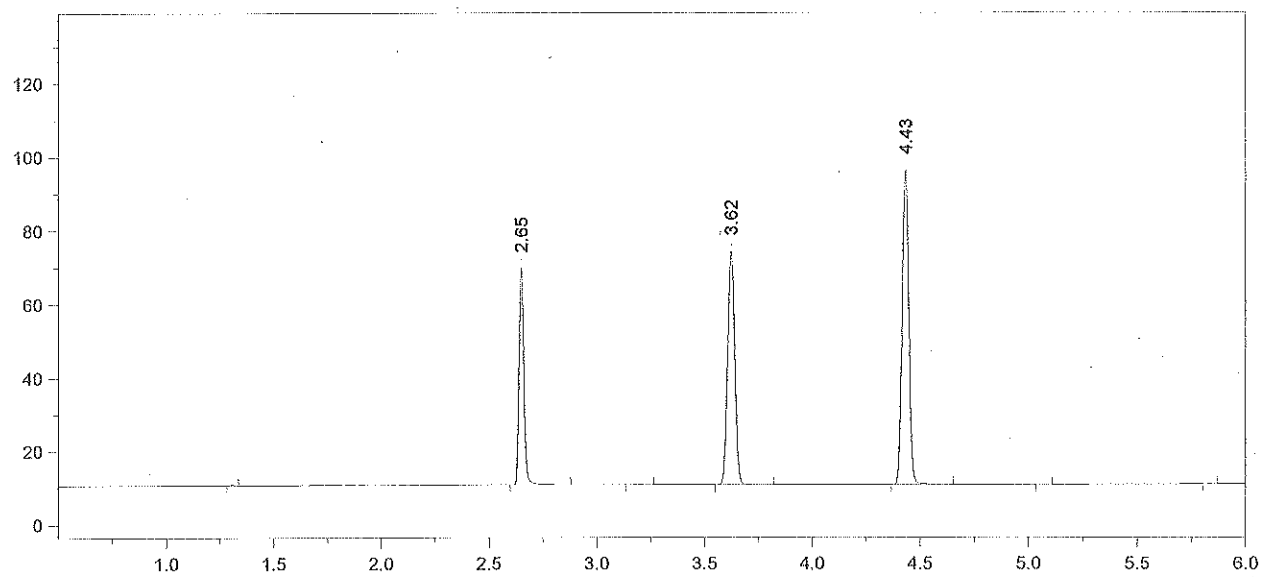


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 9:00:24 PM
Bound File Name = SIM07082014.0041.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 9:00:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101209	0.0986	0.0805
4	3.62	t-Butanol	150040	0.9738	0.7948
5	4.43	n-Propanol	196638	1.0000	0.8162

14-08-080 71 TZM

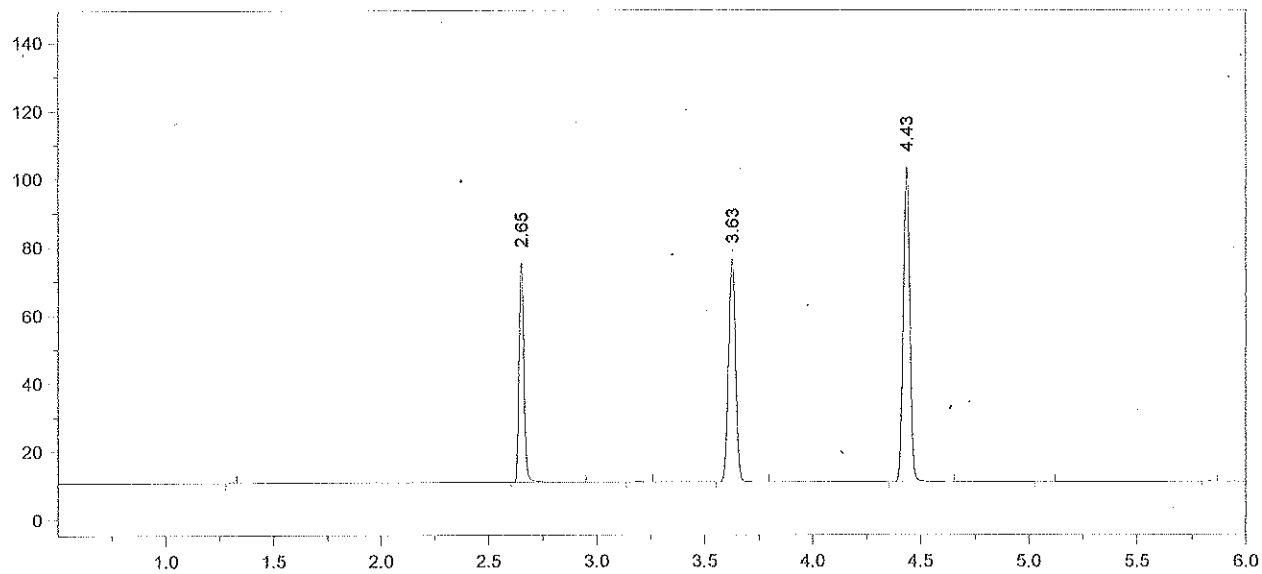


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 9:17:50 PM
Bound File Name = SIM07082014.0042.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 9:17:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	91700	0.0968	0.0790
4	3.62	t-Butanol	147072	1.0346	0.8445
5	4.43	n-Propanol	181419	1.0000	0.8162

14-08-080 72 Kcm

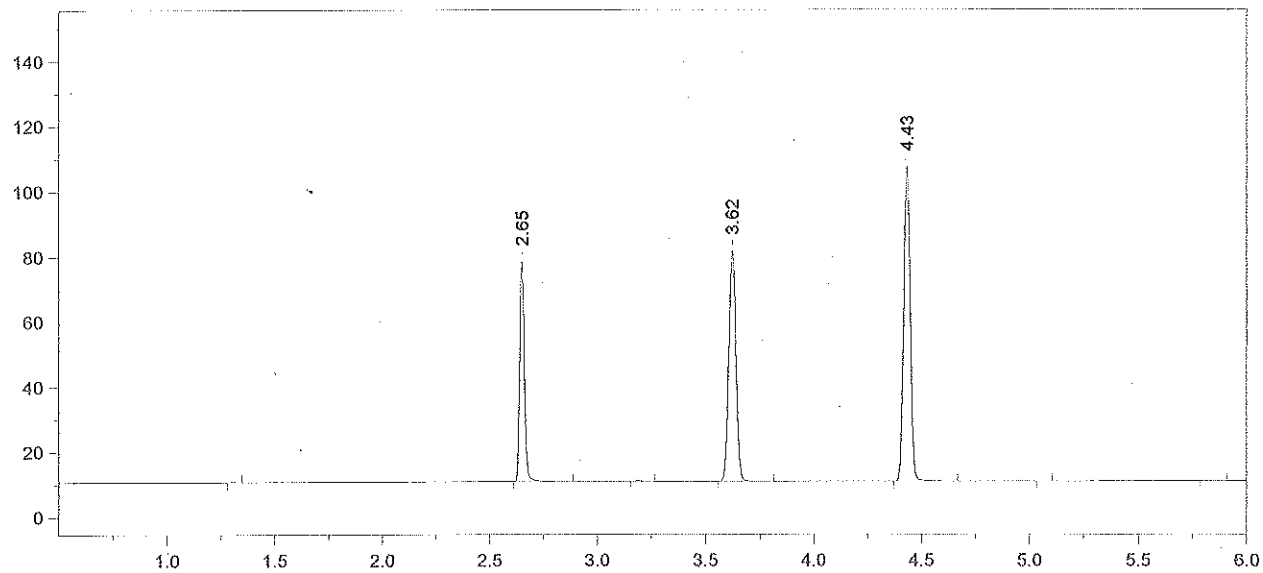


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 9:31:05 PM
Bound File Name = SIM07082014.0043.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 9:30:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	101471	0.0989	0.0807
4	3.63	t-Butanol	151653	0.9844	0.8035
5	4.43	n-Propanol	196610	1.0000	0.8162

14-08-080 73 RLM

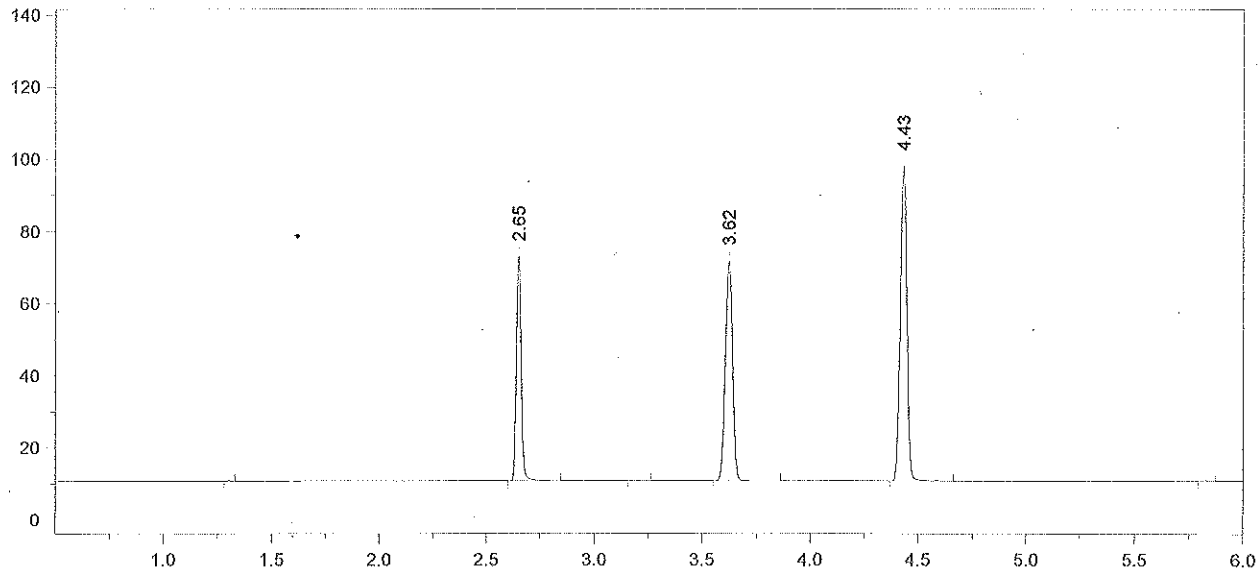


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 9:47:33 PM
Bound File Name = SIM07082014.0044.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 9:47:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	105032	0.0979	0.0799
4	3.62	t-Butanol	164691	1.0228	0.8348
5	4.43	n-Propanol	205495	1.0000	0.8162

14-08-080 74 RM



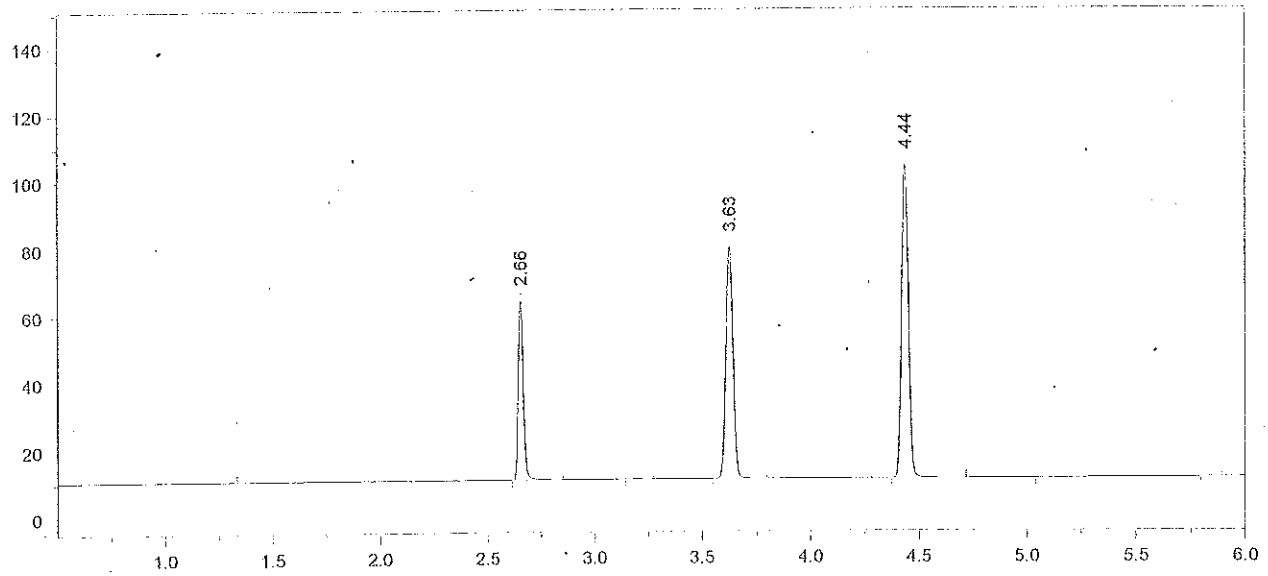
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 10:02:32 PM
Bound File Name = SIM07082014.0045.RAW
Sample Name = 0.08 ALB
Date Taken = 7/8/2014 10:02:25 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM07082014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	96131	0.0991	0.0809
4	3.62	t-Butanol	141187	0.9700	0.7917
5	4.43	n-Propanol	185774	1.0000	0.8162

14-08-080 75

Chrom Perfect Chromatogram Report



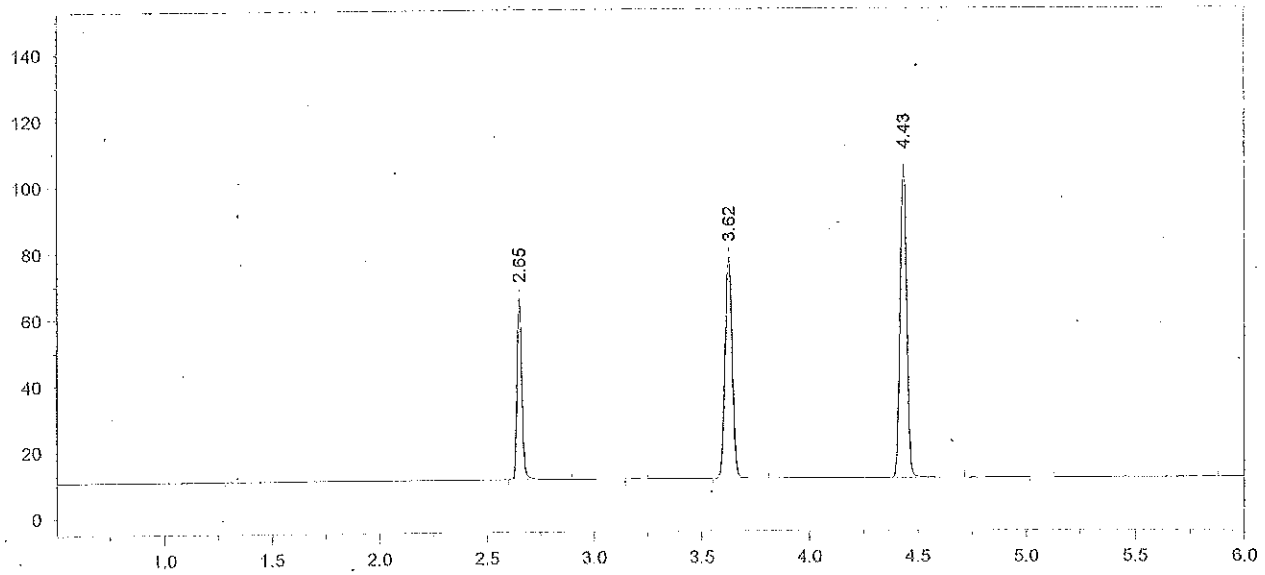
Format File Name = AlcoholVFL.FMT

Today's Date = 7/8/2014
Today's Time = 10:19:08 PM
Bound File Name = SIM07082014.0046.RAW
Sample Name = CCS
Date Taken = 7/8/2014 10:19:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	83507	0.0805
4	3.63	t-Butanol	159860	1.0271
5	4.44	n-Propanol	198639	1.0000

14-08-080 76 Kem

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

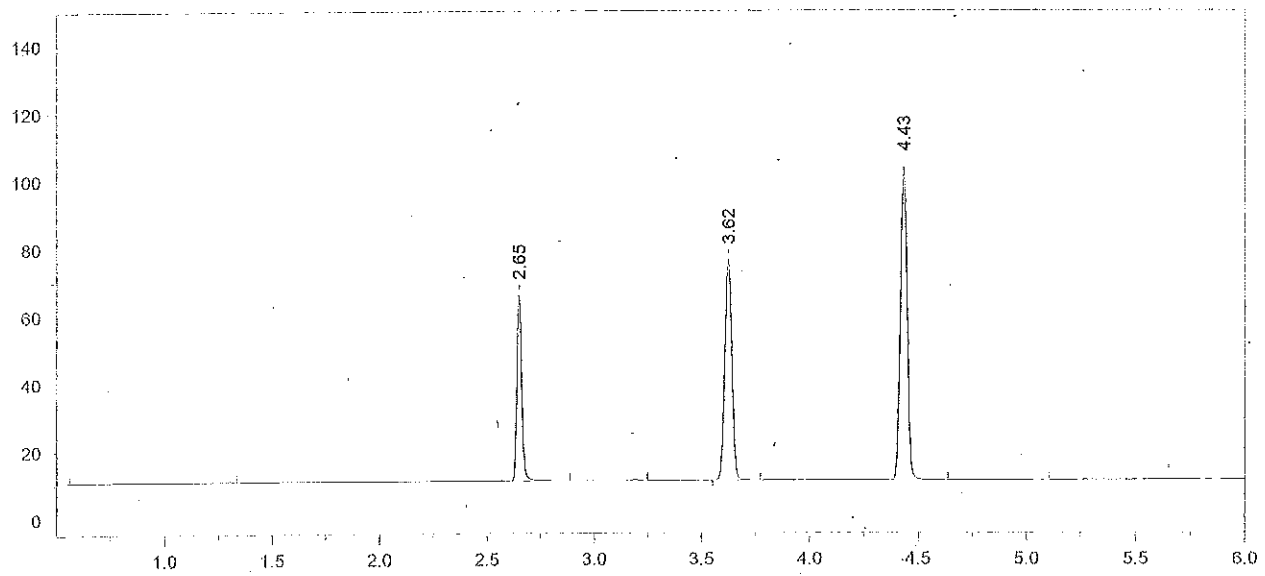
Today's Date = 7/8/2014
Today's Time = 10:32:48 PM
Bound File Name = SIM07082014.0047.RAW
Sample Name = CCS
Date Taken = 7/8/2014 10:32:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85487	0.0815
4	3.62	t-Butanol	154844	0.9837
5	4.43	n-Propanol	200889	1.0000

Avg vals 46 + 47 = 0.081
7/9/14 dcs

14-08-080
77

Chrom Perfect Chromatogram Report

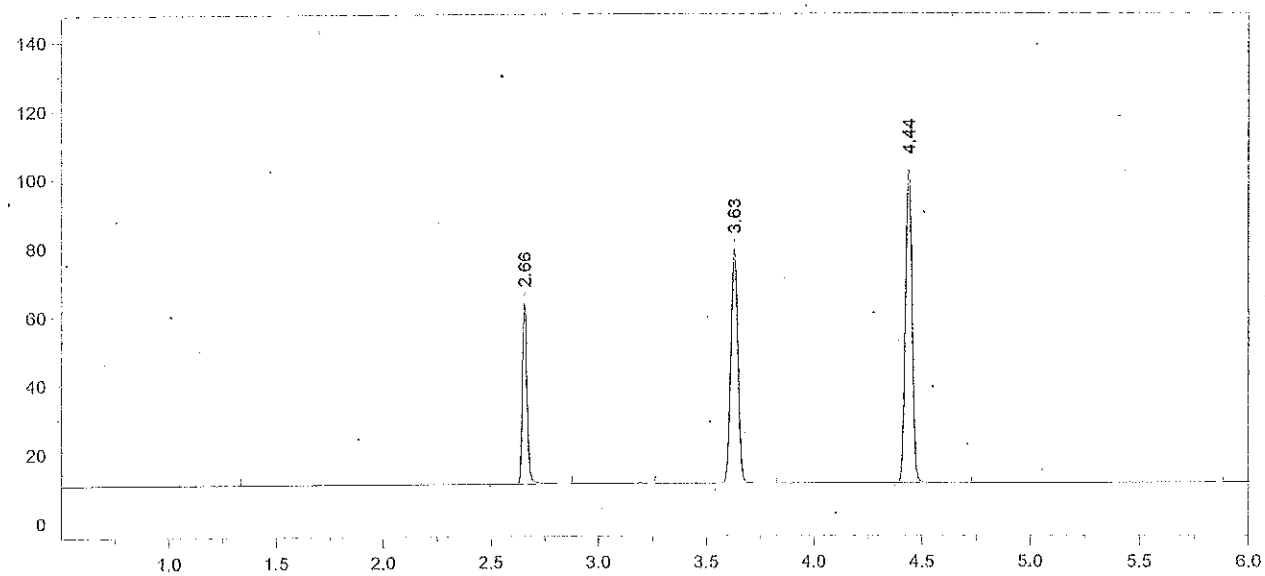


Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 12:37:14 AM
Bound File Name = SIM07082014.0055.RAW
Sample Name = CCS
Date Taken = 7/9/2014 12:37:06 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	85796	0.0836
5	3.62	t-Butanol	151748	0.9854
6	4.43	n-Propanol	196541	1.0000

Chrom Perfect Chromatogram Report



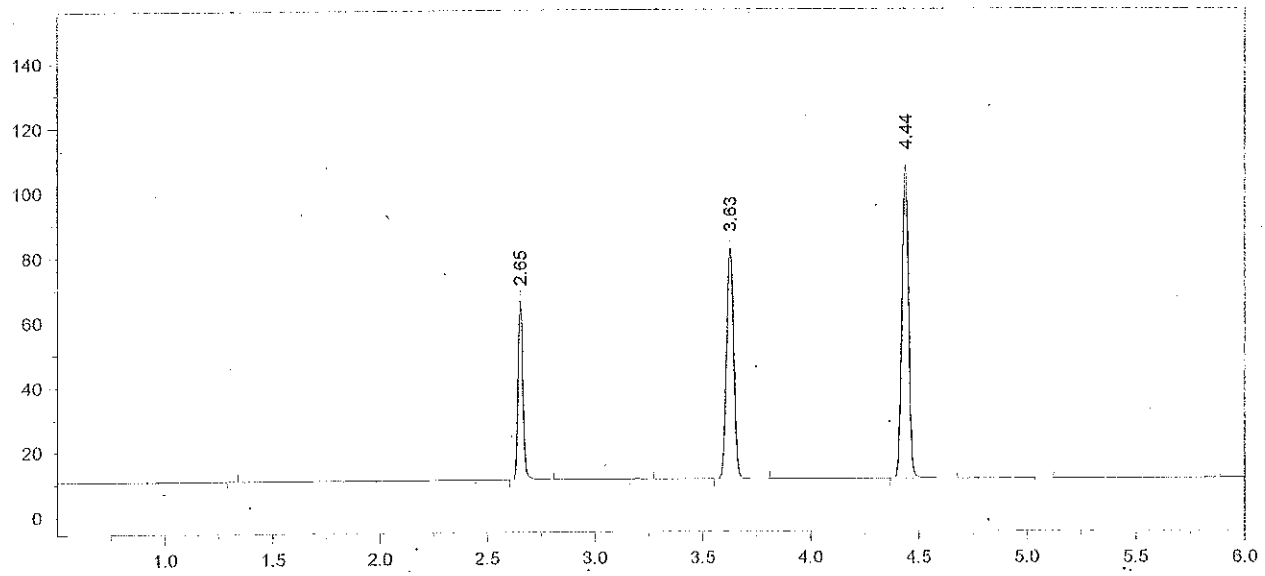
Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 12:54:55 AM
Bound File Name = SIM07082014.0056.RAW
Sample Name = CCS
Date Taken = 7/9/2014 12:54:46 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82367	0.0811
4	3.63	t-Butanol	157607	1.0343
5	4.44	n-Propanol	194477	1.0000

Avg vals 55+56 = 0.082
7/9/14 dks

Chrom Perfect Chromatogram Report



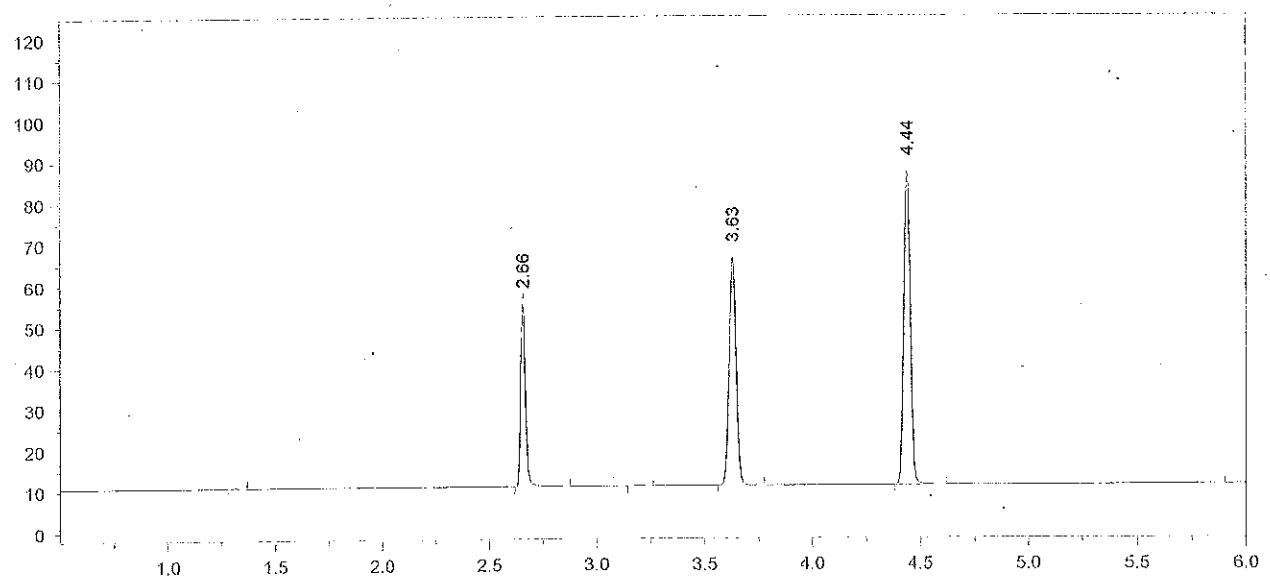
Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 2:58:54 AM
Bound File Name = SIM07082014.0064.RAW
Sample Name = CCS
Date Taken = 7/9/2014 2:58:49 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85461	0.0797
4	3.63	t-Butanol	165519	1.0277
5	4.44	n-Propanol	205561	1.0000

14-08-080 80 RLM

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 7/9/2014
Today's Time = 3:13:56 AM
Bound File Name = SIM07082014.0065.RAW
Sample Name = CCS
Date Taken = 7/9/2014 3:13:47 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	69339	0.0821
4	3.63	t-Butanol	127936	1.0087
5	4.44	n-Propanol	161873	1.0000

Avg vials 64 + 65 = 0.081

AS 7/9/14

14-08-080 81 RZM