VERMONT FORENSIC LABORATORY

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

LOT #:
~~AGENCY CASE#:~~ 14-09-400 ANALYST: RLM
LAB #: N/A RLM 7/9/14

TECHNICAL REVIEWER: AB DATE: 7/11/14

- [x] QC complete?
- [x] Pertinent standard lot numbers listed?
- [x] Data package is complete?
- [x] Transcribed data and calculations verified?
- [x] Calibration and control results all within ± 10% (± 20% for STD A) of the known values?
- [x] Calibration line correlation factor at least 0.99xx?
- [x] Average error for components of the calibration line less than 10%?
- [x] Timing mix chromatogram demonstrates appropriate identification of components and separation from ethanol?
- [x] Surrogate compound concentrations all within 0.900 to 1.100 range?
- [x] 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: [signature] 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: [signature] 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 14-09-400 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 0.398 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

0.40 Certification Solution 2L
Lot # 14-09-400
Prepared 7/3/2014 by RLM
Exp 7/3/2015

RLM CAL VFL07072014
RLM/ALB Vials
Analyzed on 7/7/2014

0.3918	rlm
0.4001	
0.3939	
0.4018	
0.3930	
0.3990	
0.3931	
0.4015	alb
0.3875	
0.4042	
0.3975	
0.3989	
0.3962	
0.3979	

Ave. =	0.3969
Std Dev. =	0.0046
Range =	0.3875-0.4042

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

0.3894	rlm
0.4023	
0.3949	
0.3995	
0.3930	
0.4024	
0.3932	
0.4034	alb
0.3964	
0.4108	
0.3991	
0.3983	
0.3995	
0.4145	

Ave. =	0.3998
Std Dev. =	0.0068
Range =	0.3894-0.4145

Total Values from Both Runs

Average	**Mean**
0.3918	0.3875
0.4001	0.3894
0.3939	0.3918
0.4018	0.3930
0.3930	
0.3990	0.3931
0.3931	0.3932
0.4015	0.3939
0.3875	0.3949
0.4042	0.3962
0.3975	0.3964
0.3989	0.3975
0.3962	0.3979
0.3979	0.3983
0.3894	0.3989
0.4023	0.3990
0.3949	0.3991
0.3995	0.3995
0.3930	
0.4024	0.4001
0.3932	0.4015
0.4034	0.4018
0.3964	0.4023
0.4108	0.4024
0.3991	0.4034
0.3983	0.4042
0.3995	0.4108
0.4145	0.4145

Ave. =	0.3983
Avg Std Dev. =	0.0059
Mean =	0.3985
Mean Std Dev. =	0.0060
Range =	0.3875-0.4145
RPD =	6.78%

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

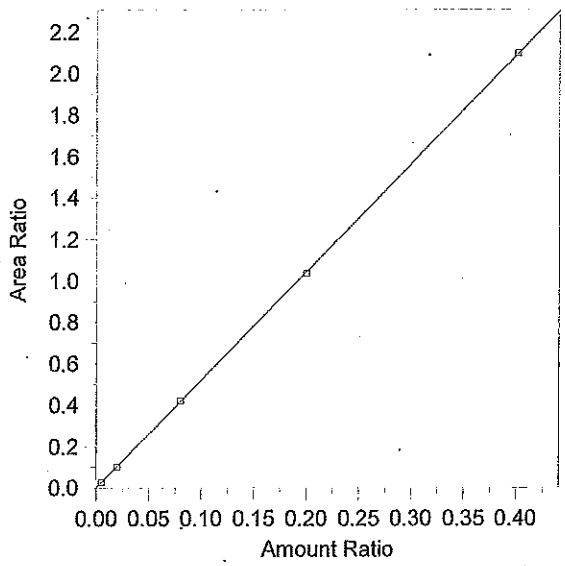
Creator:
Description:
Reason for change:

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

14-09-400 2 RLM

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 samples	1.00	1.00
13	SIM07072014.0013.raw	simsoln.met	0.1 RLM not included.	1.00	1.00
14	SIM07072014.0014.raw	simsoln.met	0.1 RLM RZM 7/9/14	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 samples	1.00	1.00
22	SIM07072014.0022.raw	simsoln.met	0.1 ALB not included.	1.00	1.00
23	SIM07072014.0023.raw	simsoln.met	0.1 ALB RZM 7/9/14	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 samples	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 not included.	1.00	1.00
33	SIM07072014.0033.raw	simsoln.met	0.08 RLM RZM 7/9/14	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 samples	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 not included.	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 RZM 7/9/14	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

14-09-400 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	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

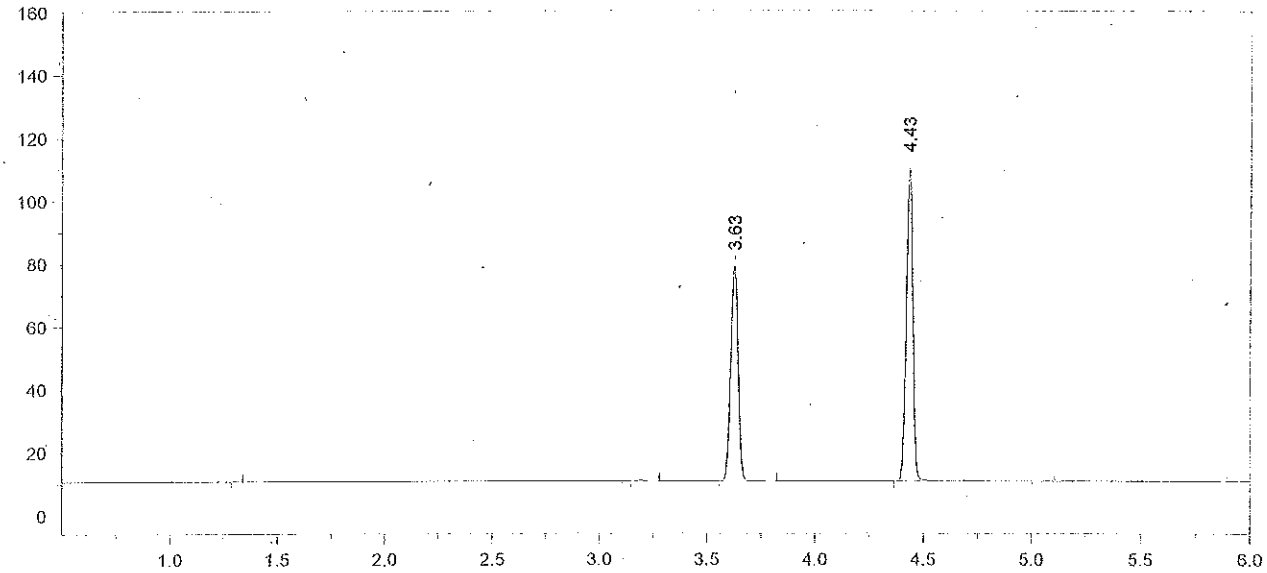
Timing Mix: TMX-0812 2013

AQ QC: Cerilliant FN021111-03

Ethanol Standards: ES-06162014

RZm 7/8/14

Chrom Perfect Chromatogram Report

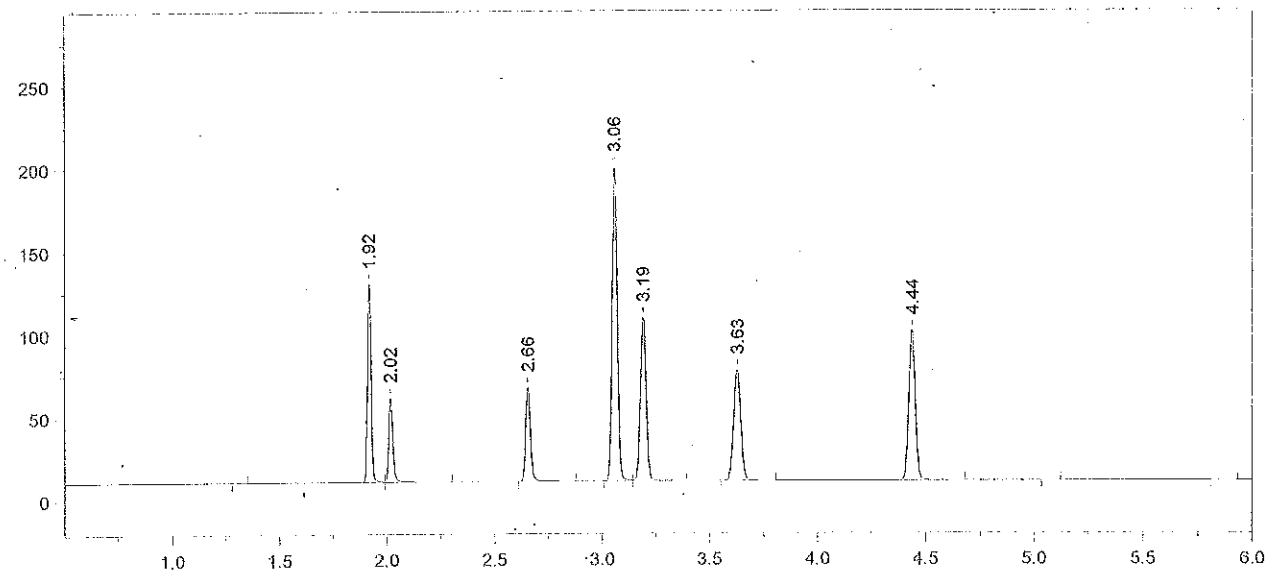


Format File Name = AlcoholVFL.FMT

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

14-09-400 5 RLM



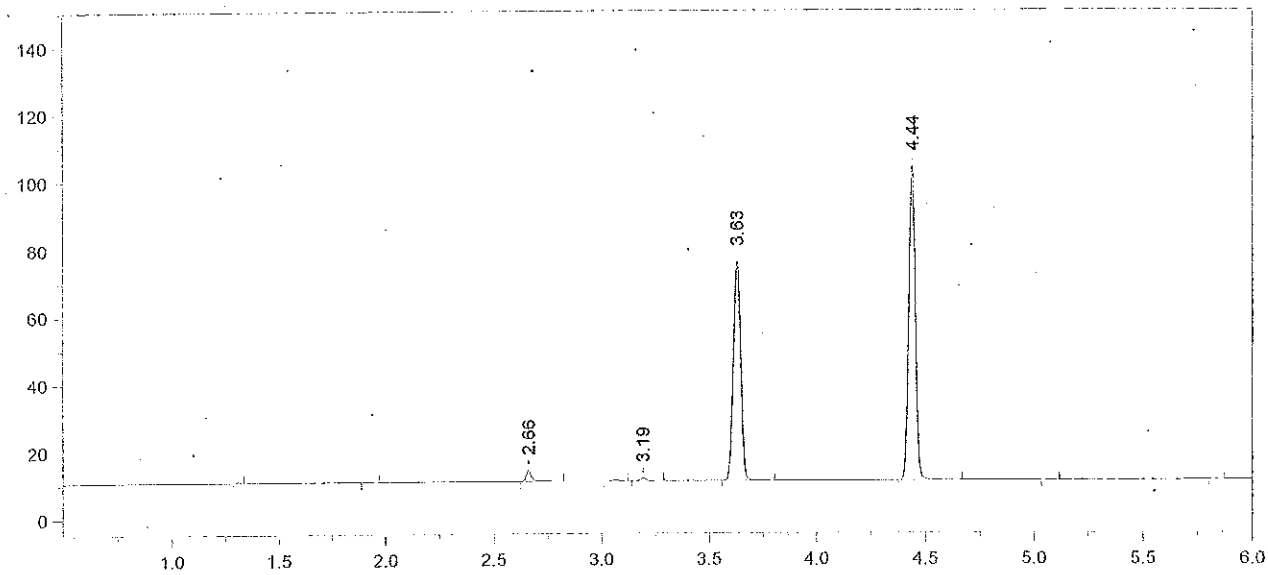
Format File Name = AlcoholVFL.FMT

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

14-09-400 6 RLM

Chrom Perfect Chromatogram Report

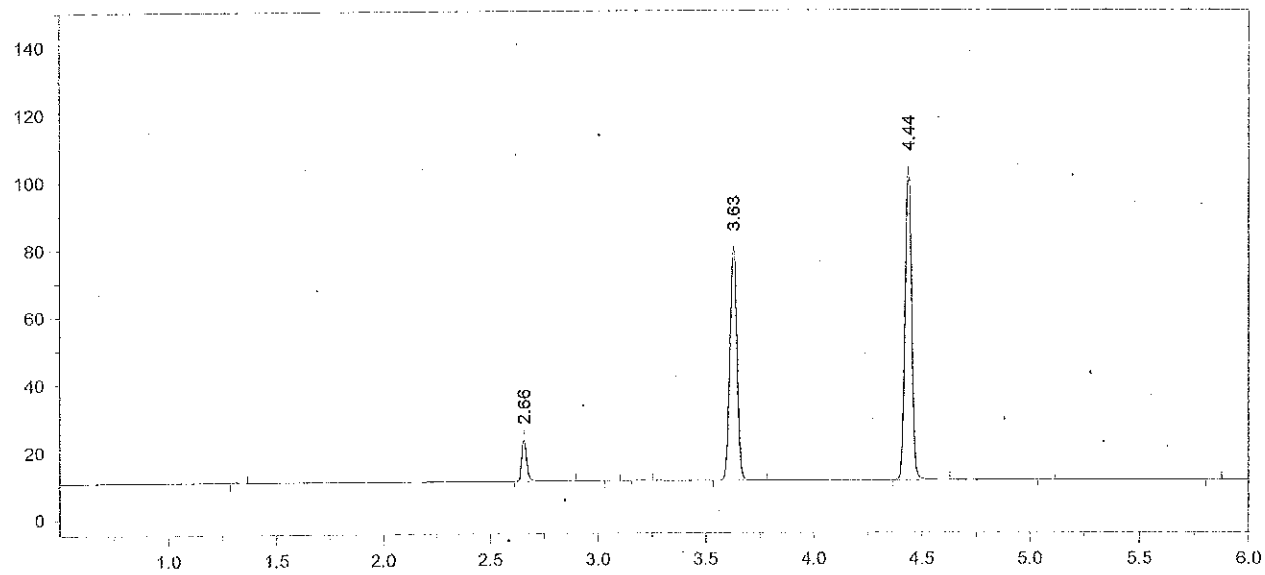


Format File Name = AlcoholVFL.FMT

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

14-09-400 7 RZM

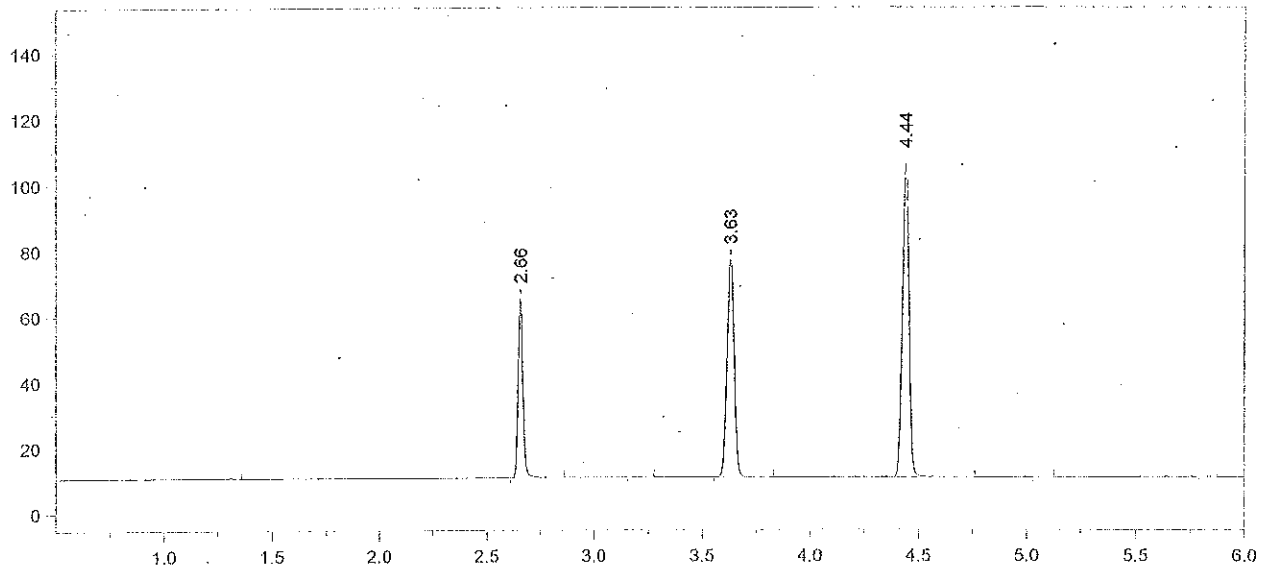


Format File Name = AlcoholVFL.FMT

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

14-09-400 8 RZM

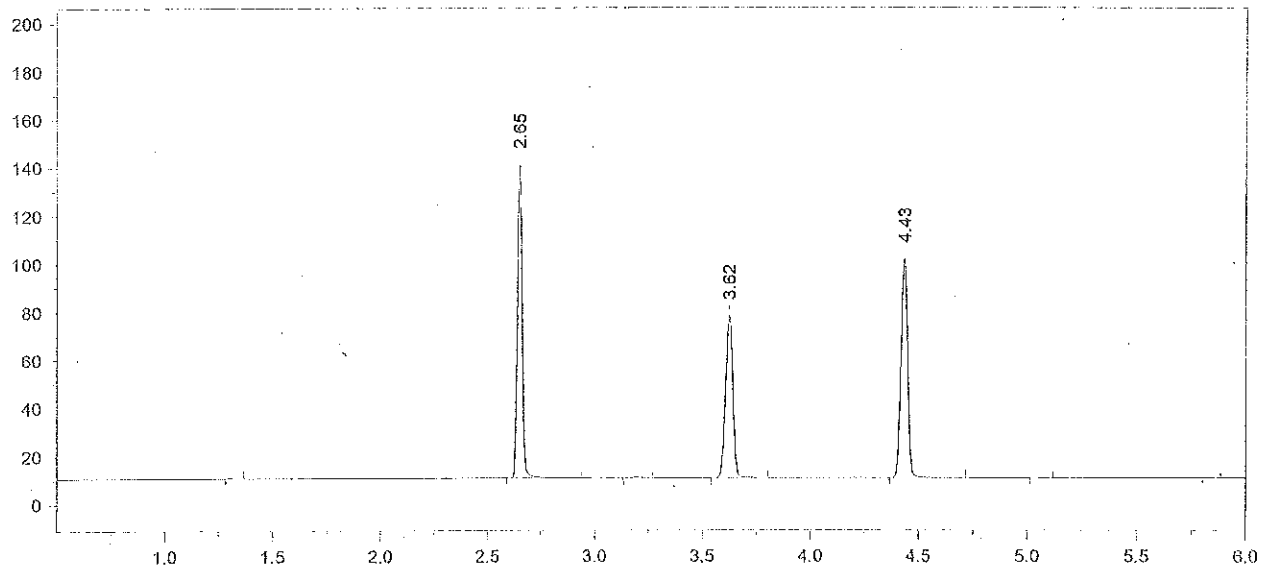


Format File Name = AlcoholVFL.FMT

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

14-09-400 9 RZm

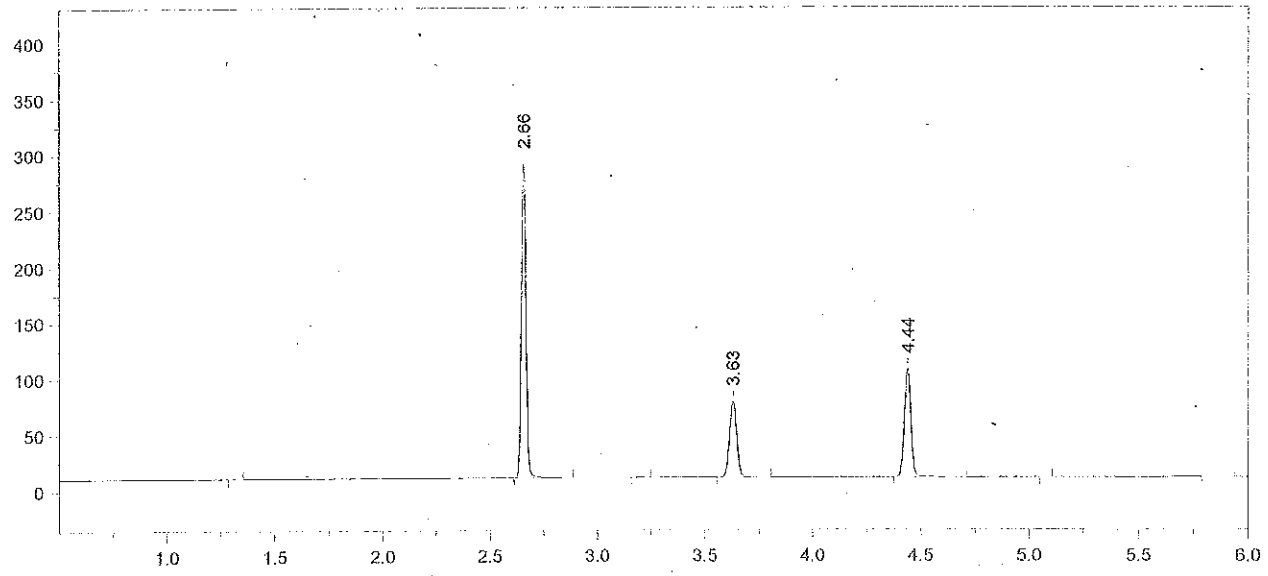


Format File Name = AlcoholVFL.FMT

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

14-09-400 10 KZM



Format File Name = AlcoholVFL.FMT

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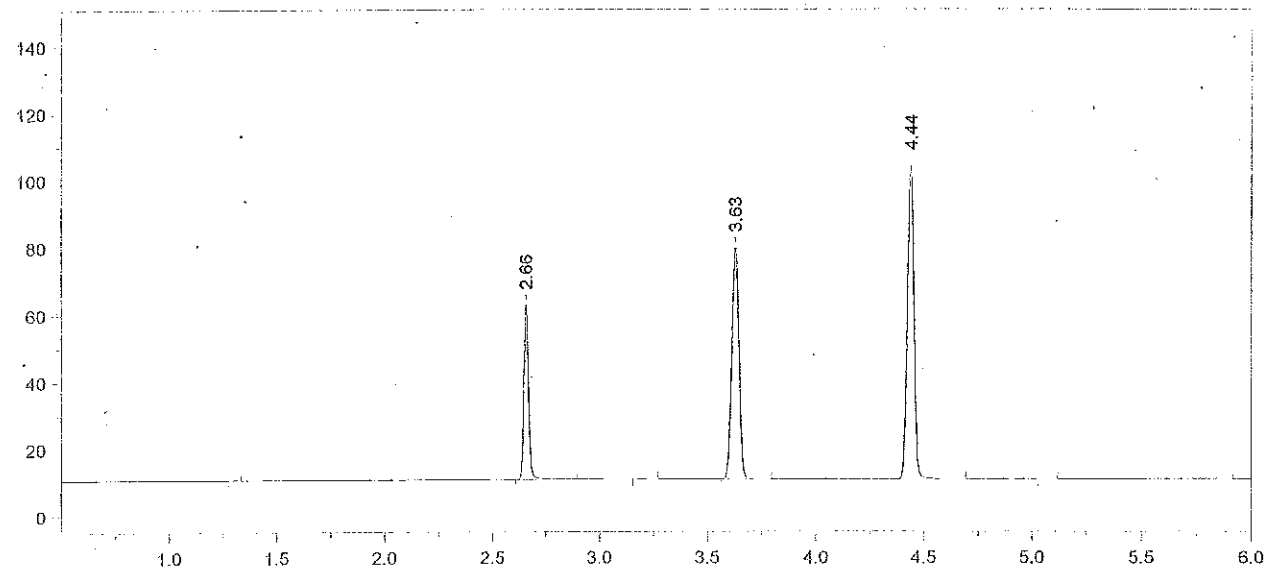
Today's Time = 8:22:01 AM
Bound File Name = SIM07072014.0007.RAW
Sample Name = STD E
Date Taken = 7/7/2014 1:36:16 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

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

14-09-400 11 RM



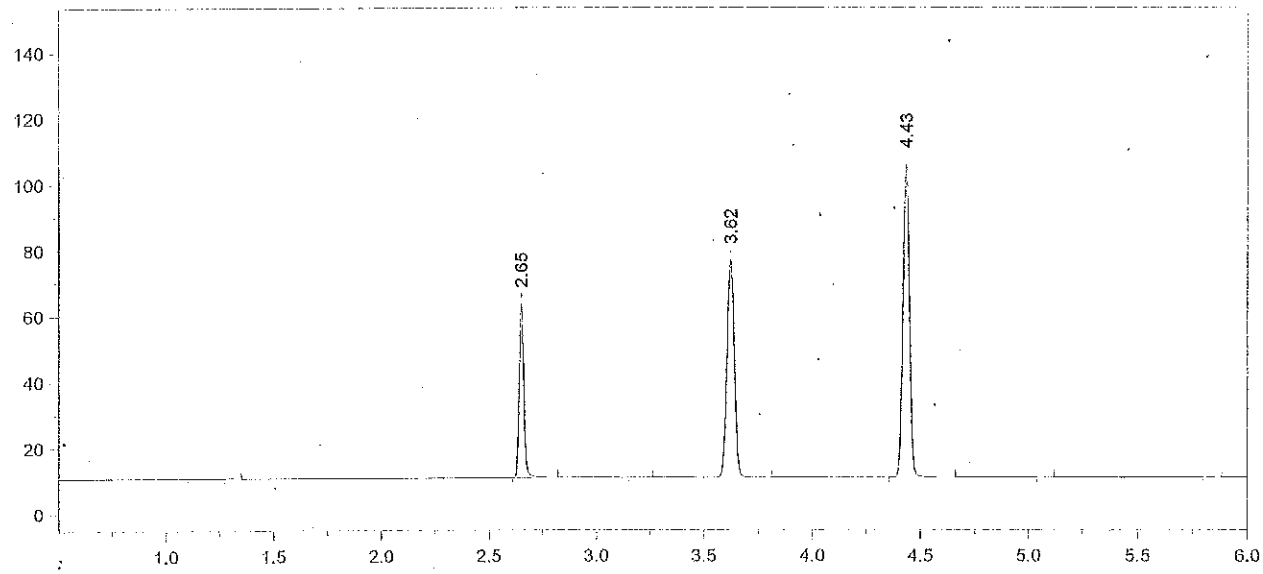
Format File Name = AlcoholVFL.FMT

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

14-09-400 12 Zen

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

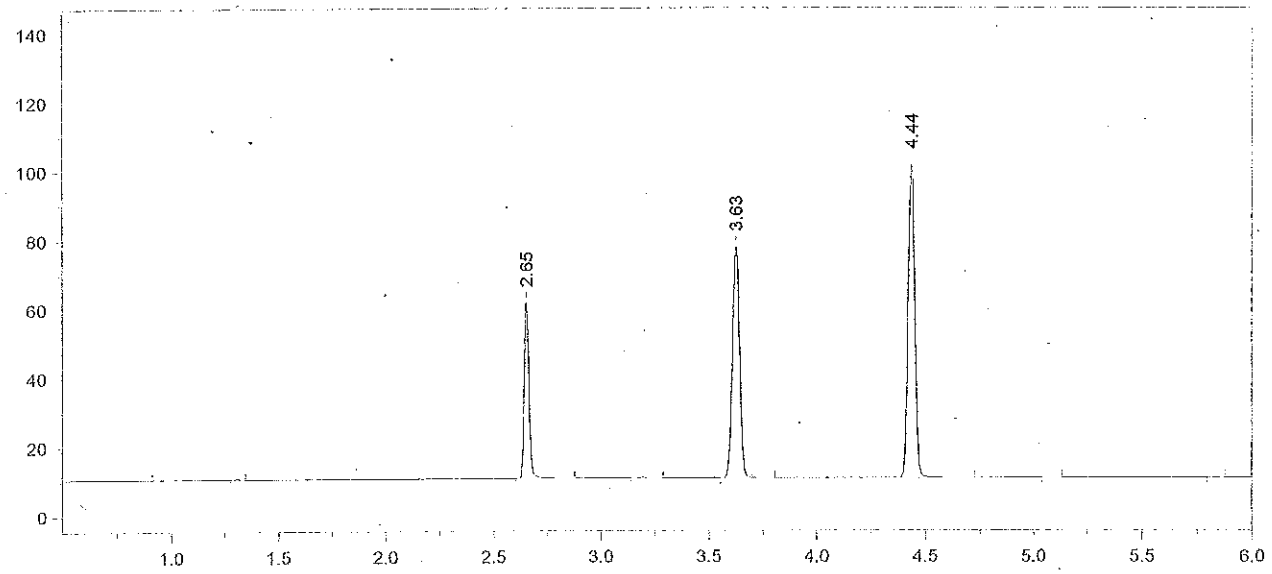
Today's Date = 7/7/2014
Today's Time = 2:08:19 PM
Bound File Name = SIM07072014.0009.RAW
Sample Name = AQ QC
Date Taken = 7/7/2014 2:08:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL07072014.CAL
Calibration Version = 7

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 %
RLM 7/8/14

14-09-400 13 RLM

Chrom Perfect Chromatogram Report

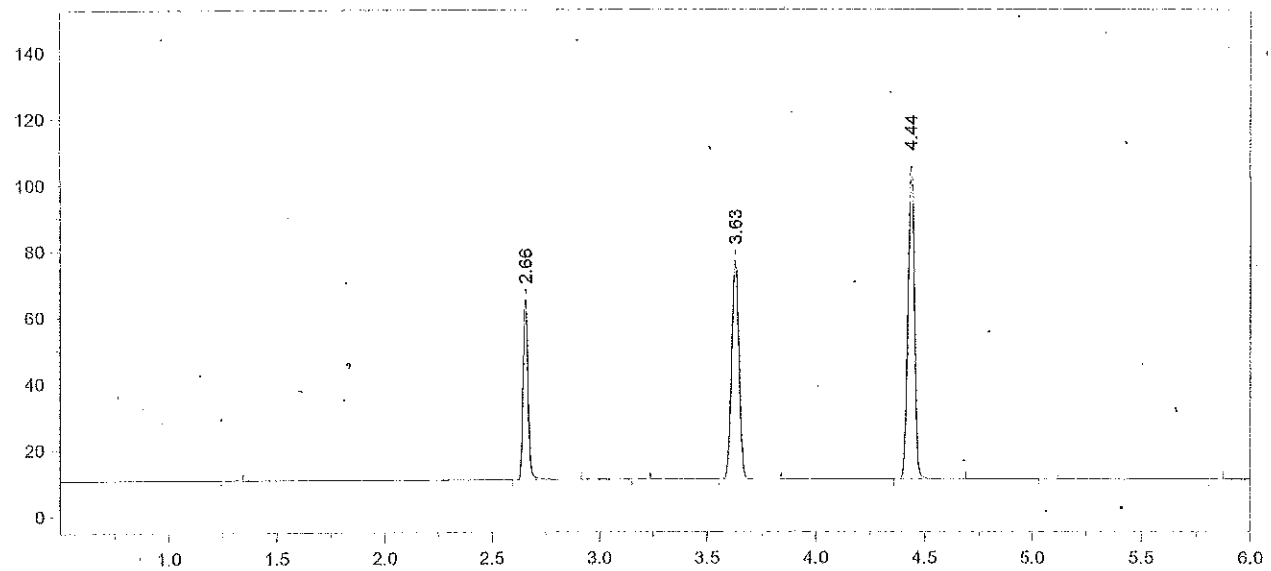


Format File Name = AlcoholVFL.FMT

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

14-09-400 14 Rem



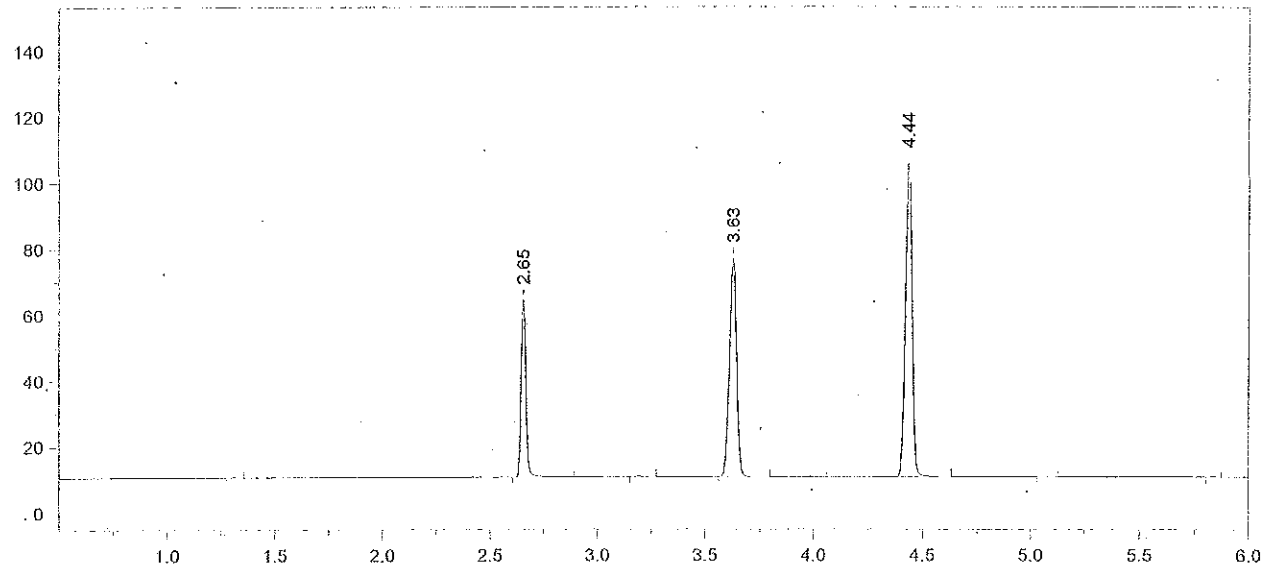
Format File Name = AlcoholVFL.FMT

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
RLM 7/8/14

14-09-400 15 RLM

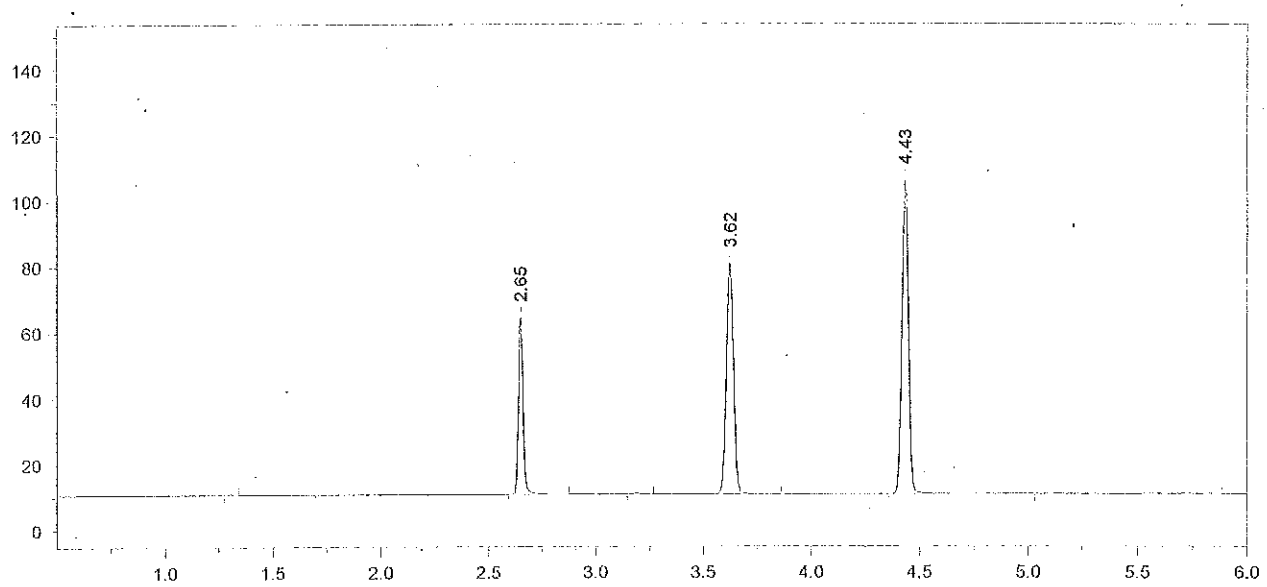


Format File Name = AlcoholVFL.FMT

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

14-09-400 16



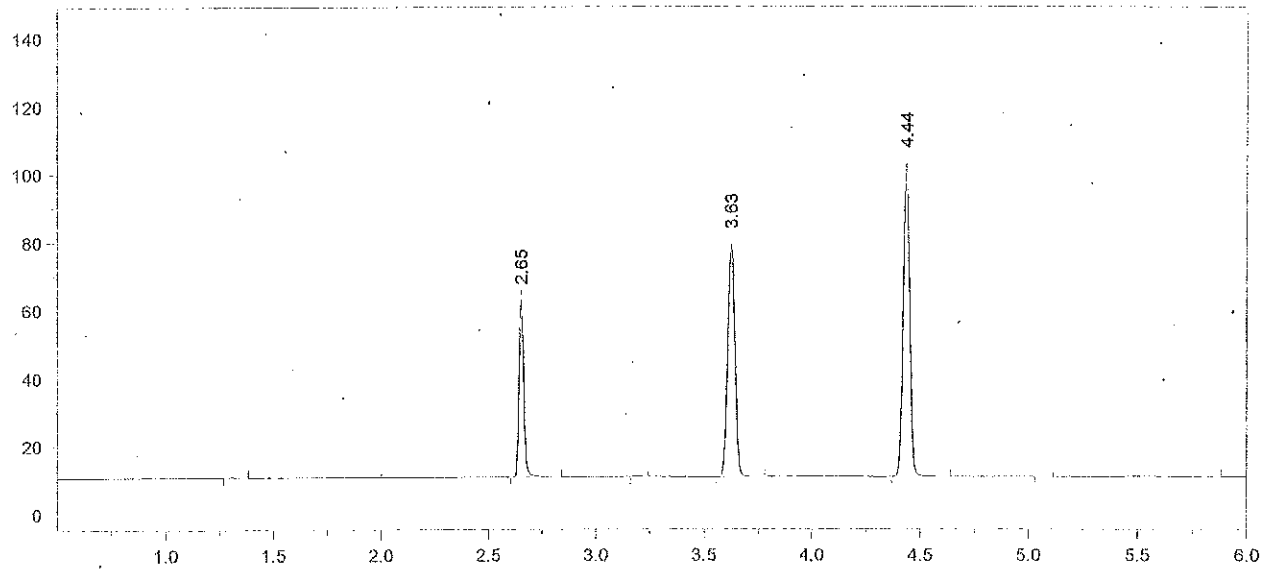
Format File Name = AlcoholVFL.FMT

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

14-09-400 17 RZM

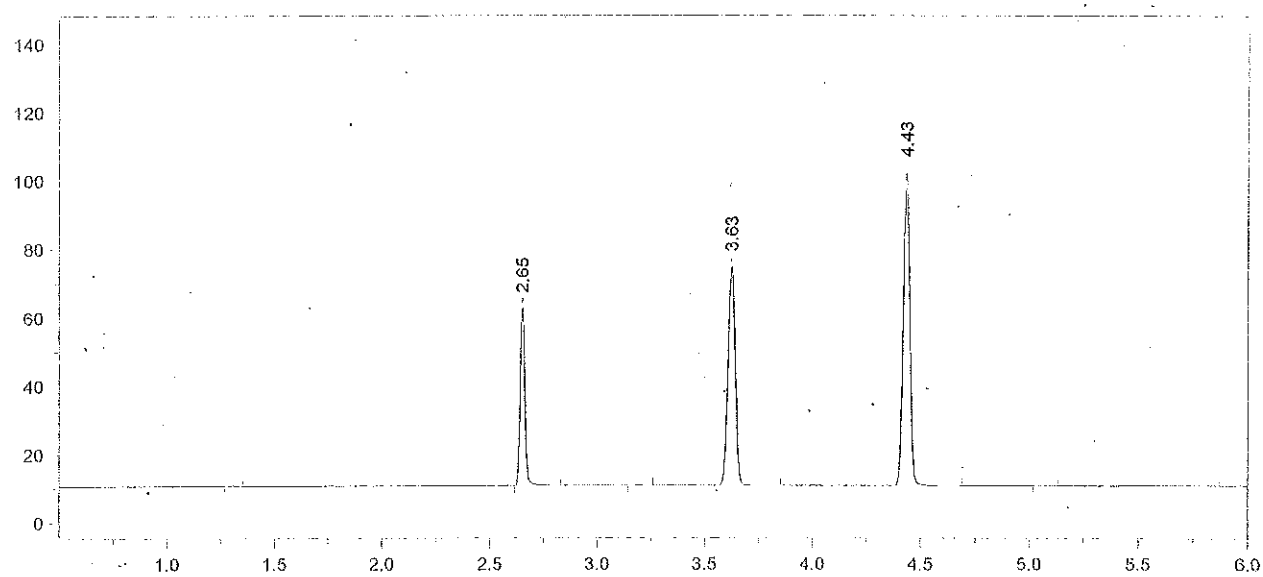


Format File Name = AlcoholVFL.FMT

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

14-09-400 18 KZM



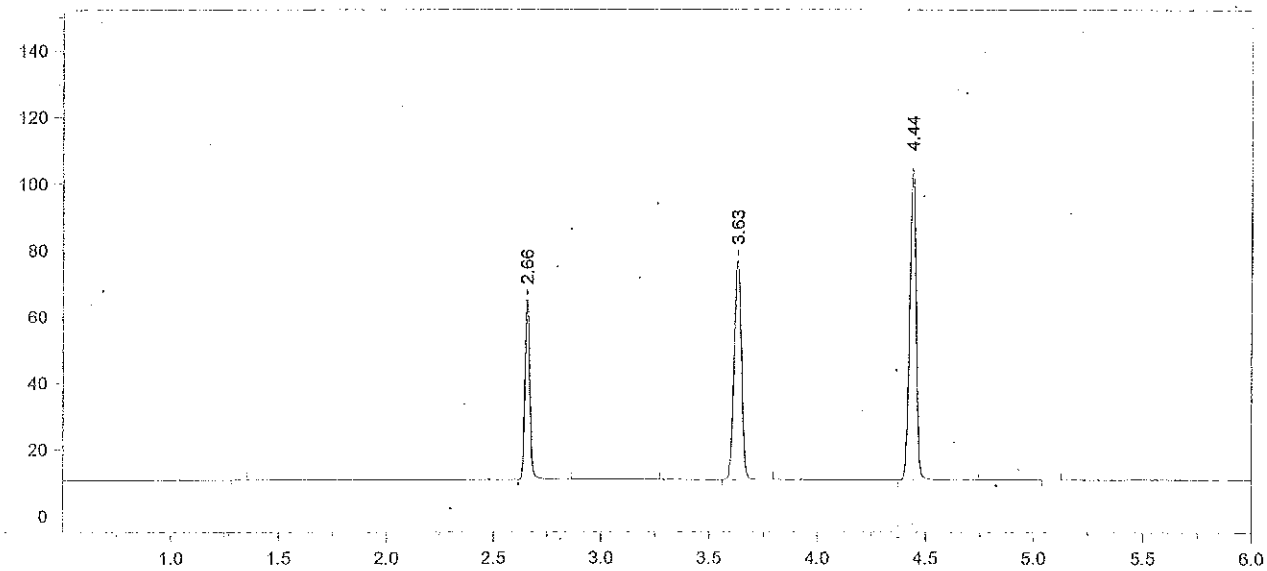
Format File Name = AlcoholVFL.FMT

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
RM 7/8/14

14-09-400 19 RM

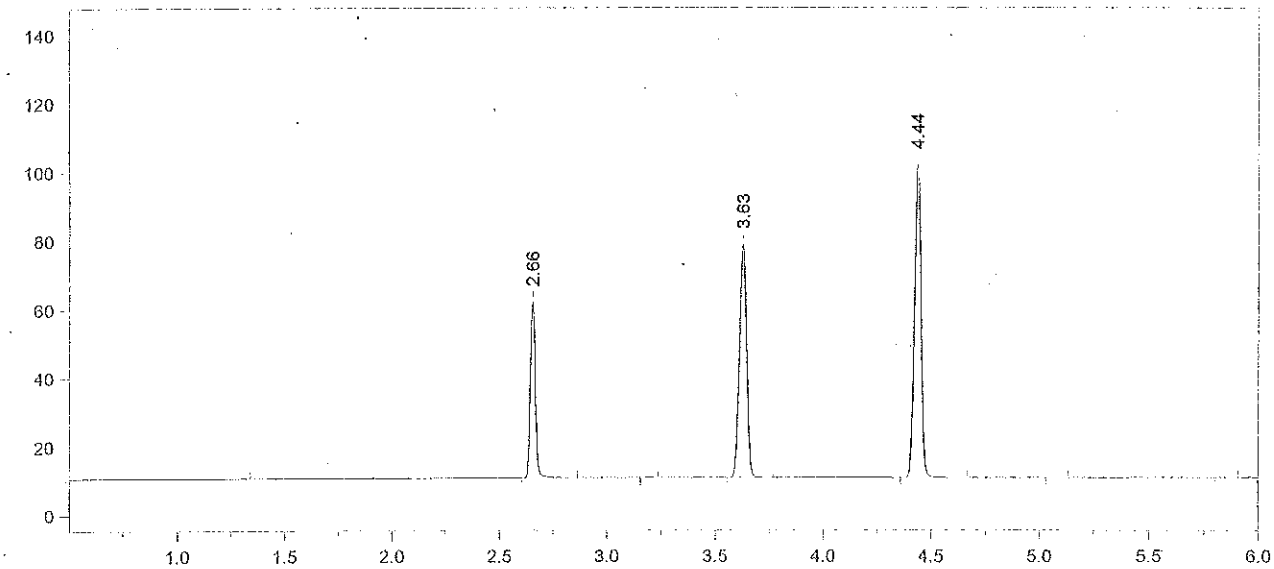


Format File Name = AlcoholVFL.FMT

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

14-09-400 20 KZM



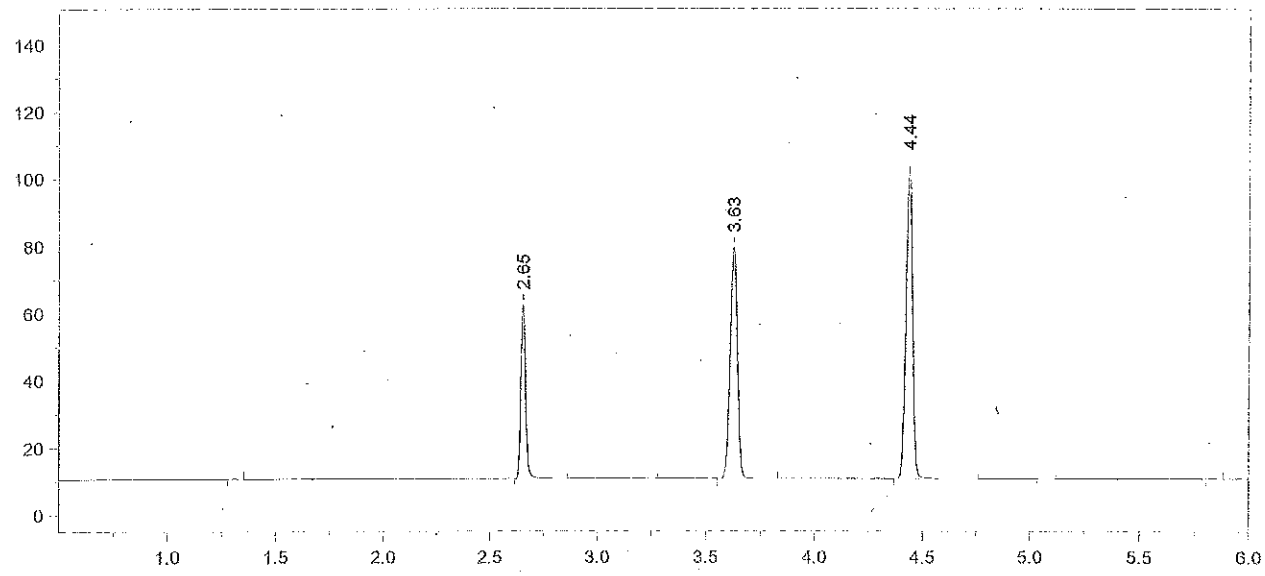
Format File Name = AlcoholVFL.FMT

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

14-09-400 21 RZM

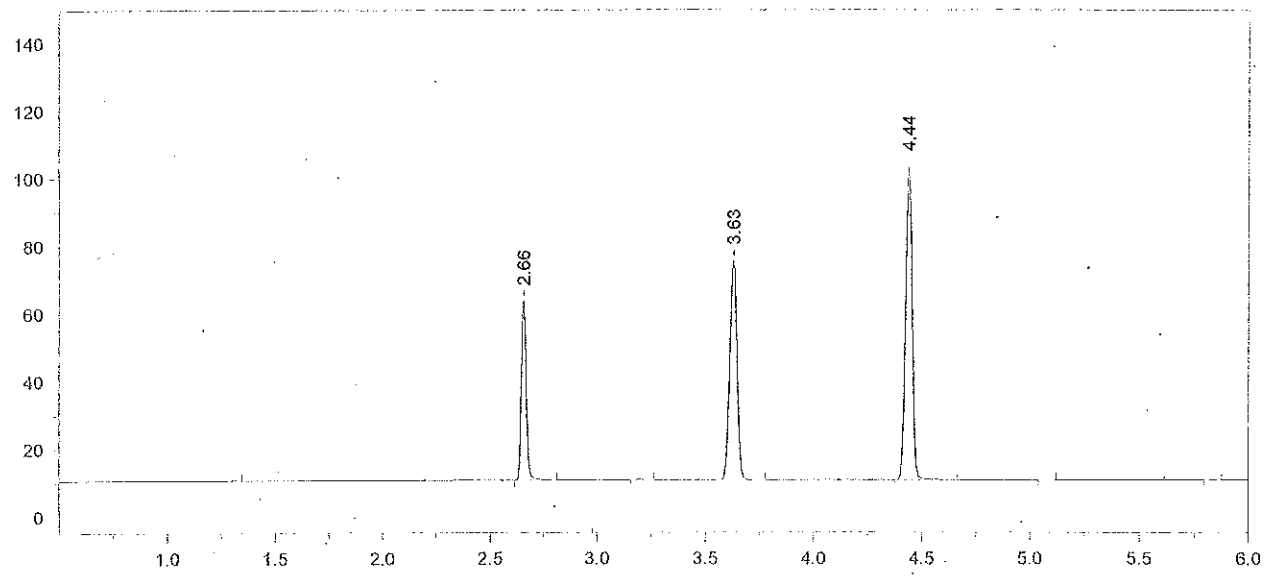


Format File Name = AlcoholVFL.FMT

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

14-09-400 22



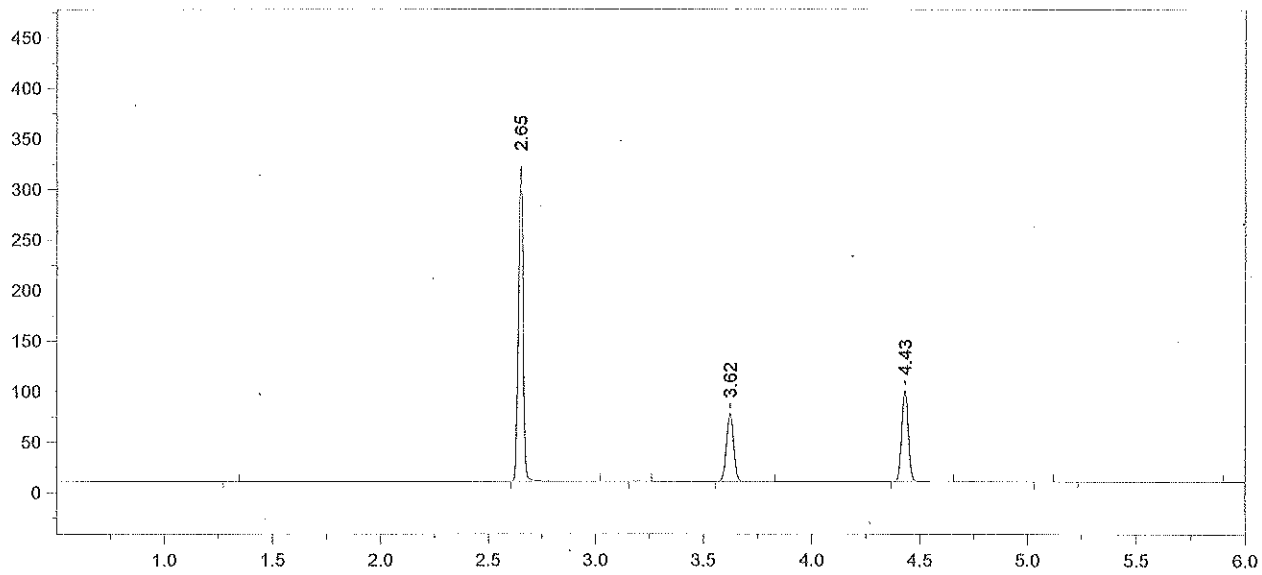
Format File Name = AlcoholVFL.FMT

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

14-09-400 23 RZM

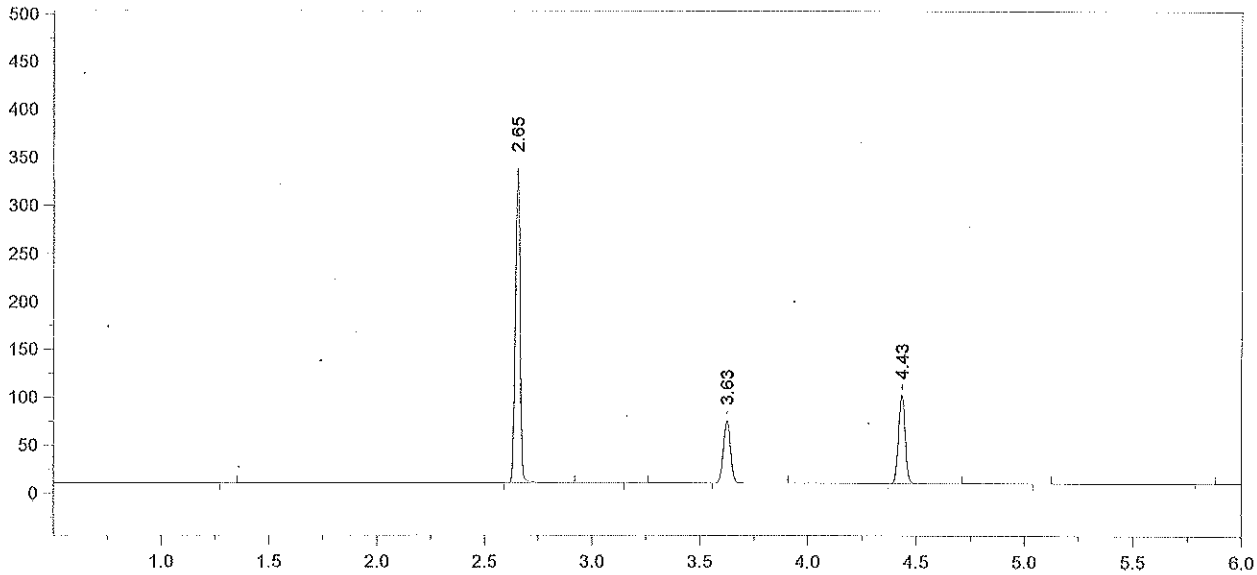


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 12:18:41 AM
Bound File Name = SIM07072014.0048.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 12:18:32 AM 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	481927	0.4801	0.3918
4	3.62	t-Butanol	154961	1.0283	0.8393
5	4.43	n-Propanol	192367	1.0000	0.8162

14-09-400 24 RZM

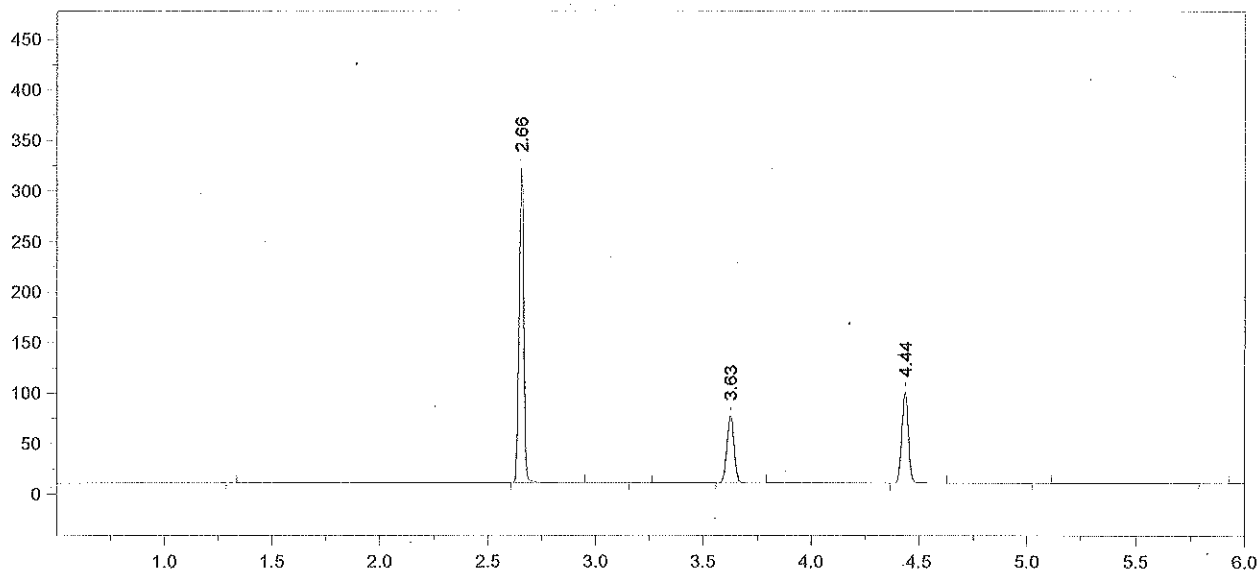


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 12:32:33 AM
Bound File Name = SIM07072014.0049.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 12:32:25 AM 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	503274	0.4902	0.4001
4	3.63	t-Butanol	150704	0.9778	0.7981
5	4.43	n-Propanol	196746	1.0000	0.8162

14-09-400 25 RZm

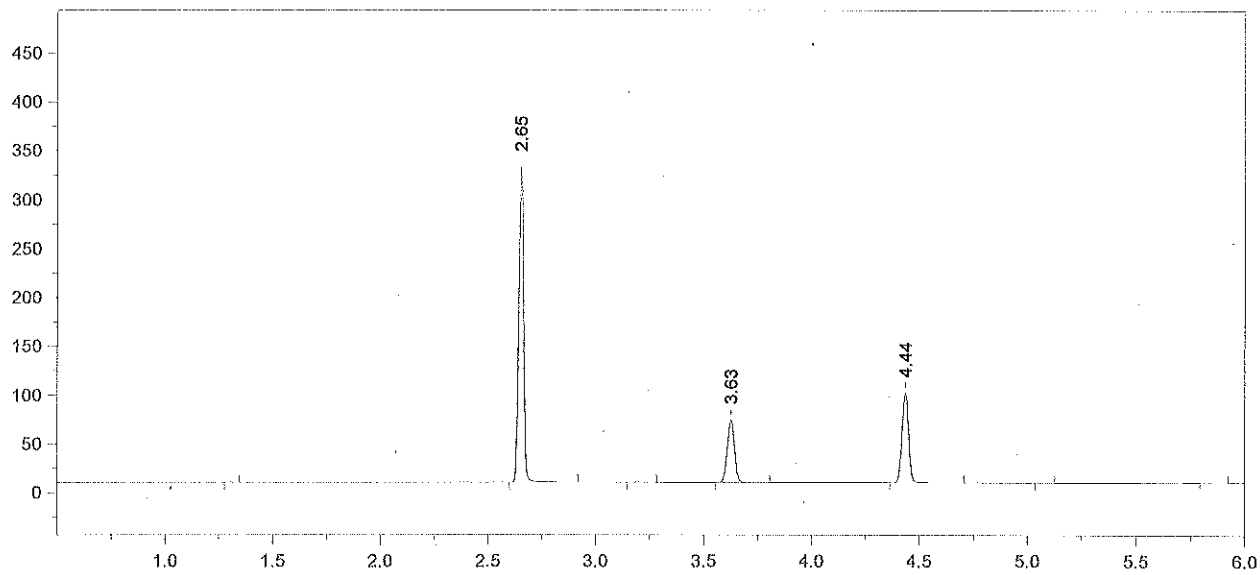


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 12:50:05 AM
Bound File Name = SIM07072014.0050.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 12:50:01 AM
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	477737	0.4825	0.3939
4	3.63	t-Butanol	153460	1.0326	0.8428
5	4.44	n-Propanol	189711	1.0000	0.8162

14-09-400 26 RLM

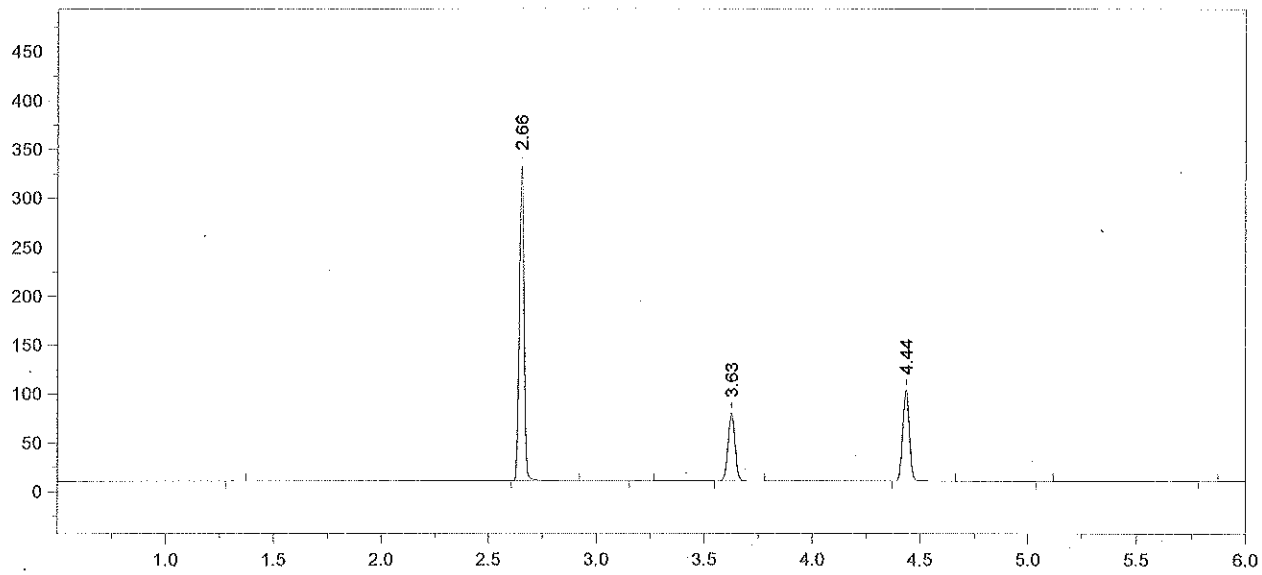


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 1:03:53 AM
Bound File Name = SIM07072014.0051.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 1:03:44 AM 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	501604	0.4922	0.4018
4	3.63	t-Butanol	148043	0.9678	0.7900
5	4.44	n-Propanol	195265	1.0000	0.8162

14-09-400 27 RLM

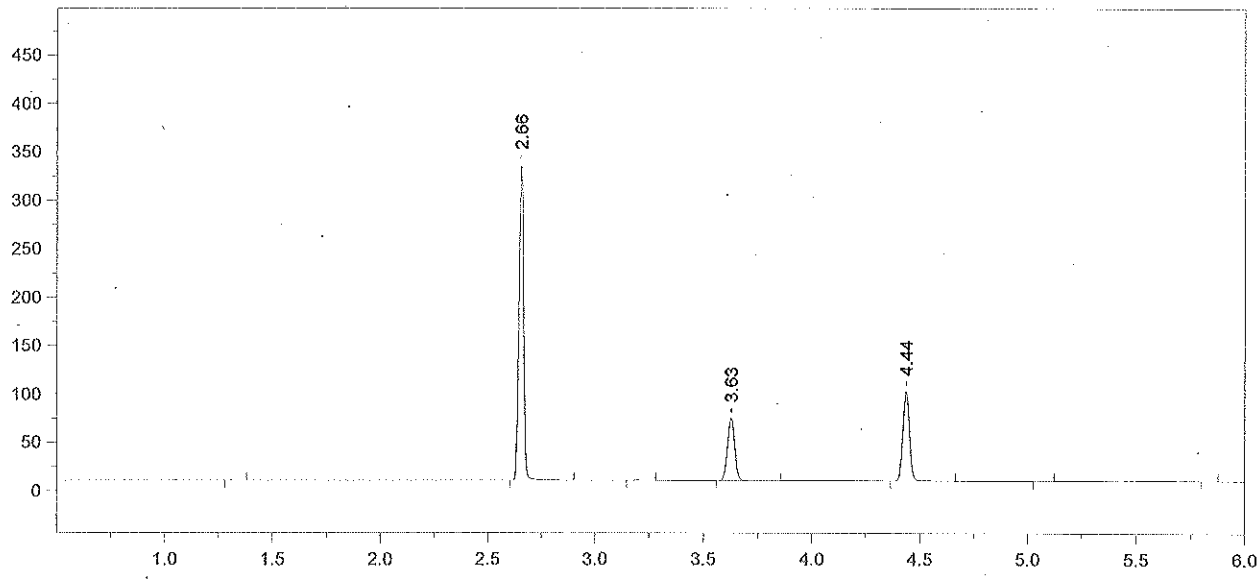


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 1:19:57 AM
Bound File Name = SIM07072014.0052.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 1:19:48 AM 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	498947	0.4815	0.3930
4	3.63	t-Butanol	159695	1.0266	0.8379
5	4.44	n-Propanol	198573	1.0000	0.8162

14-09-400 28 RLM

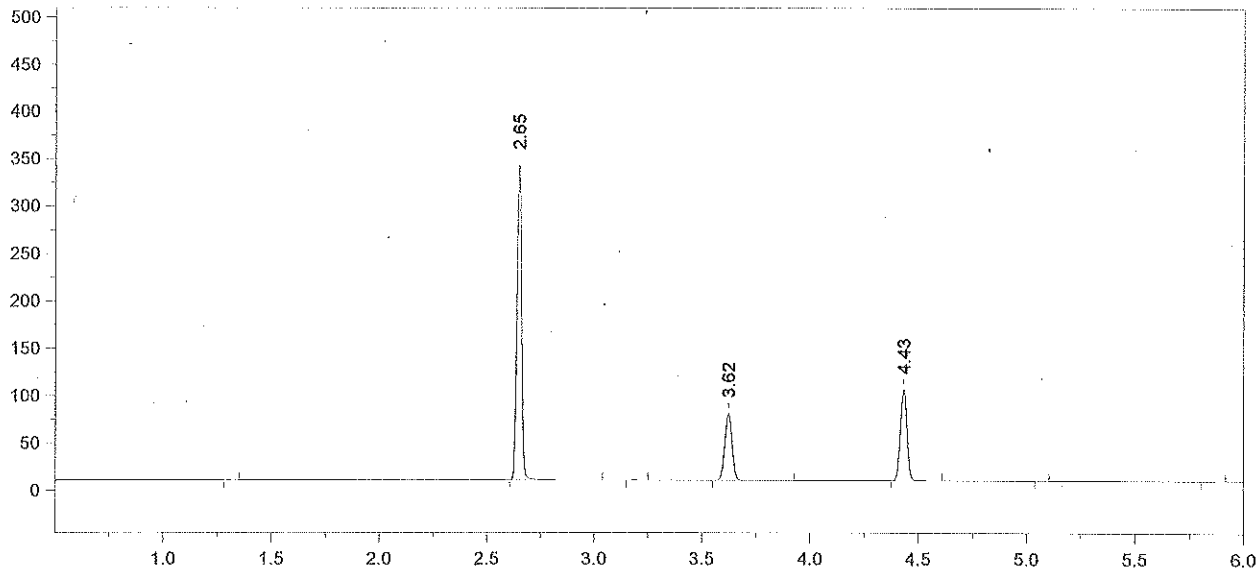


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 1:35:13 AM
Bound File Name = SIM07072014.0053.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 1:35:03 AM
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	501310	0.4888	0.3990
4	3.63	t-Butanol	149210	0.9692	0.7911
5	4.44	n-Propanol	196520	1.0000	0.8162

14-09-400 29 Zm

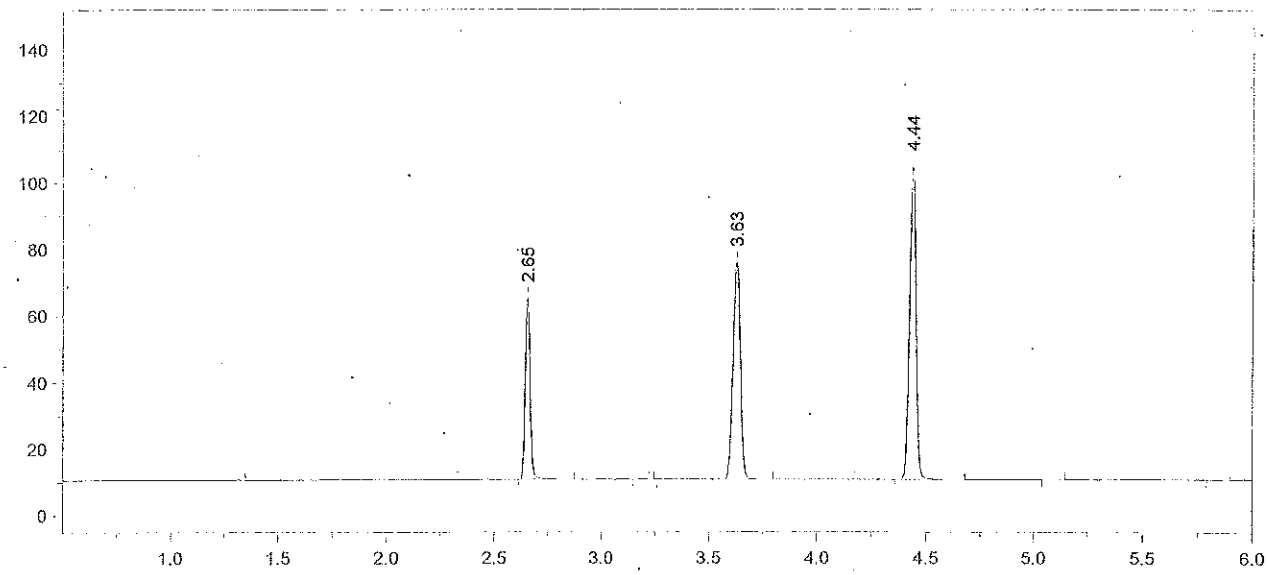


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 1:49:47 AM
Bound File Name = SIM07072014.0054.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 1:49:39 AM 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	513807	0.4817	0.3931
4	3.62	t-Butanol	163607	1.0218	0.8340
5	4.43	n-Propanol	204408	1.0000	0.8162

14-09-400 30 RLM

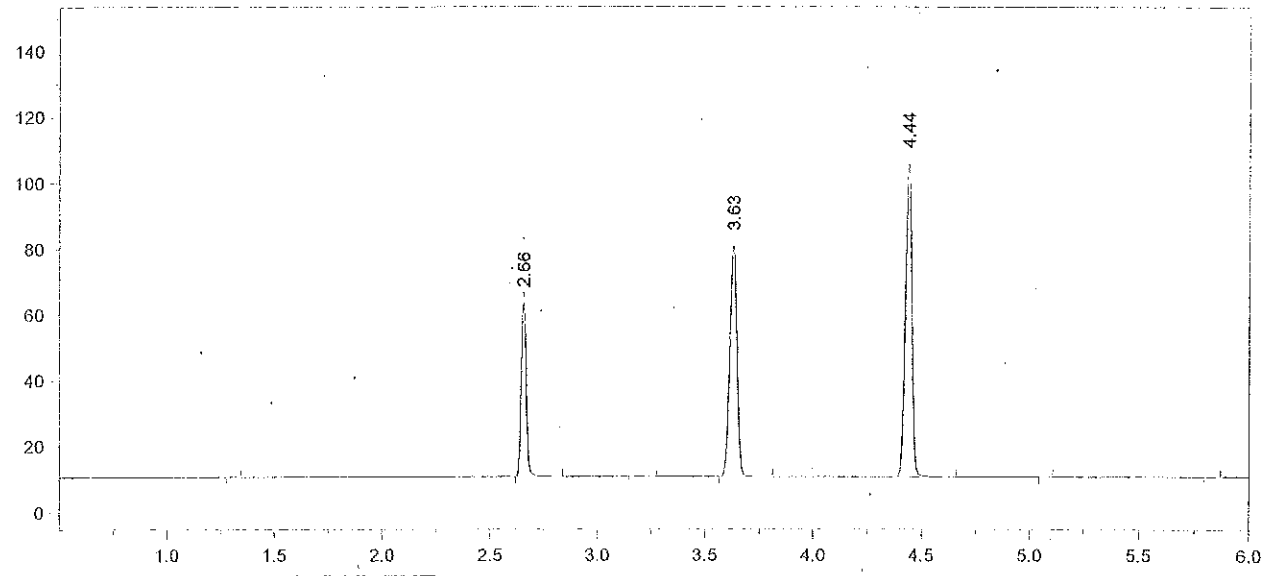


Format File Name = AlcoholVFL.FMT

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

14-09-400 31 ZLM



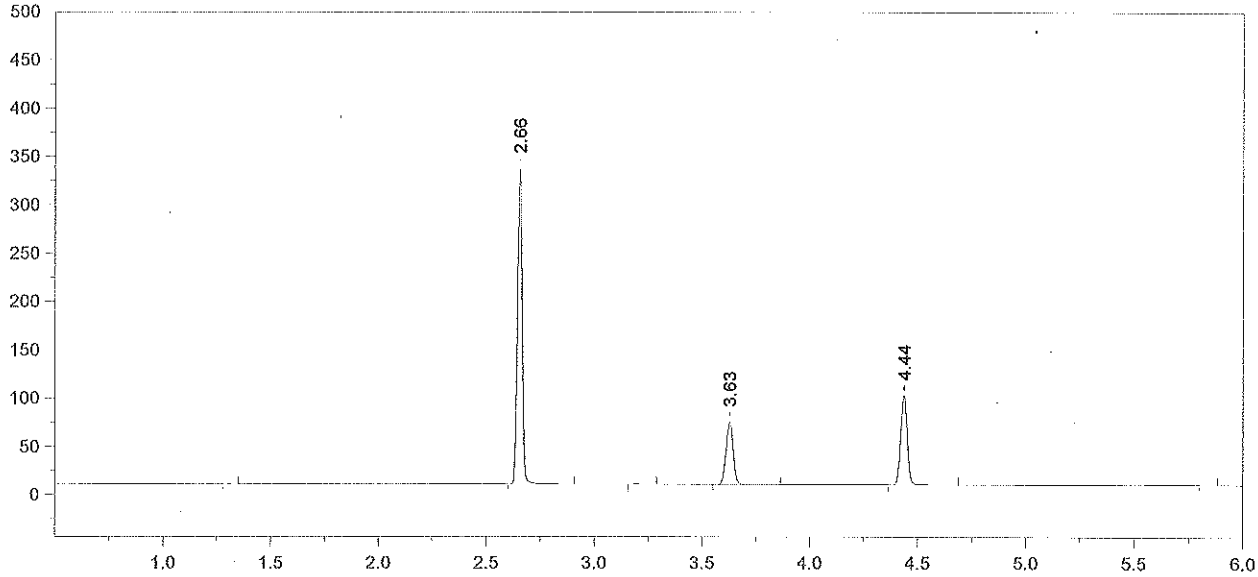
Format File Name = AlcoholVFL.FMT

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

14-09-400 32 RZM

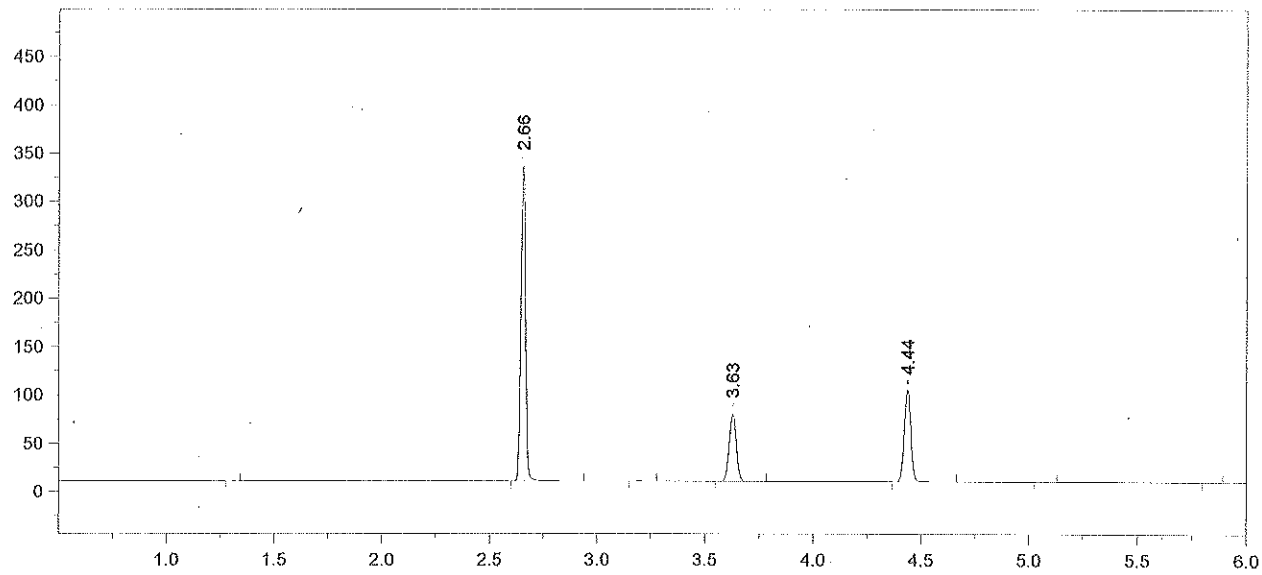


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 2:35:36 AM
Bound File Name = SIM07072014.0057.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 2:35:29 AM 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	500373	0.4920	0.4015
4	3.63	t-Butanol	148682	0.9739	0.7949
5	4.44	n-Propanol	194892	1.0000	0.8162

14-09-400 33 Rem

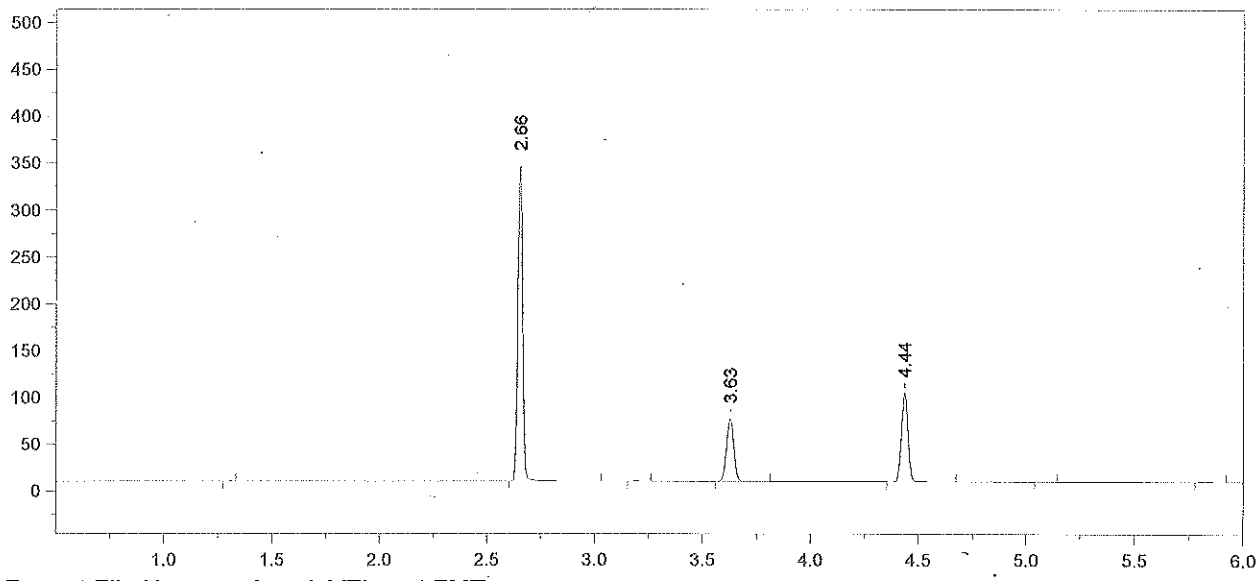


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 2:51:40 AM
Bound File Name = SIM07072014.0058.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 2:51:35 AM 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	499658	0.4748	0.3875
4	3.63	t-Butanol	162199	1.0267	0.8380
5	4.44	n-Propanol	201666	1.0000	0.8162

14-09-400 34 RZM

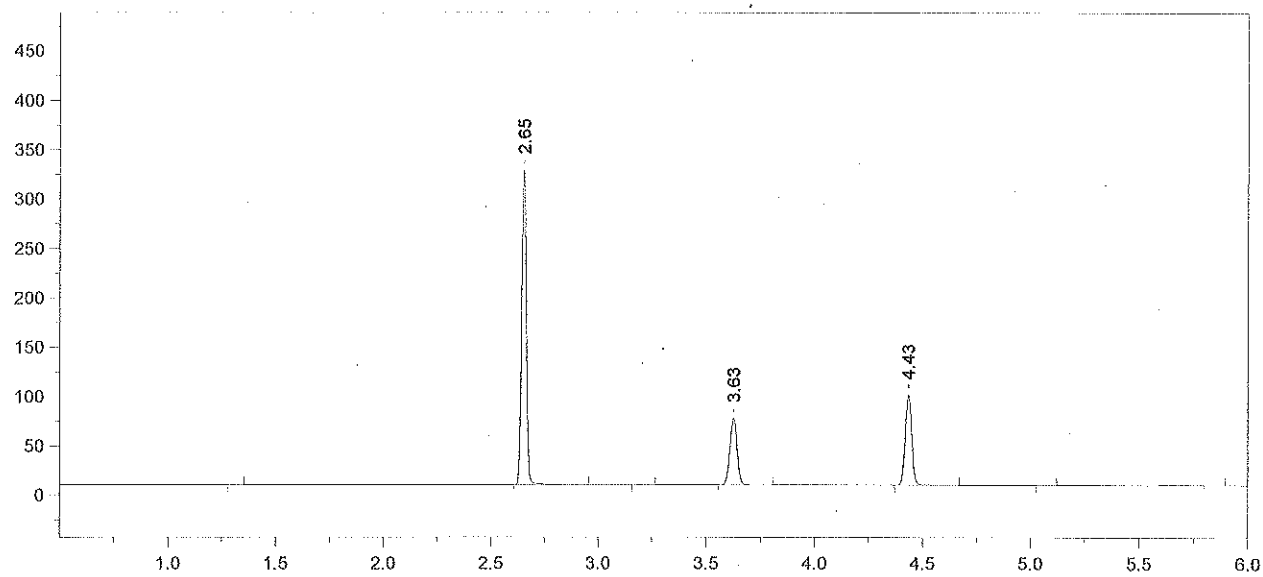


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 3:05:54 AM
Bound File Name = SIM07072014.0059.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 3:05:48 AM 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	517376	0.4952	0.4042
4	3.63	t-Butanol	153978	0.9818	0.8014
5	4.44	n-Propanol	200203	1.0000	0.8162

14-09-0400 35 RZM

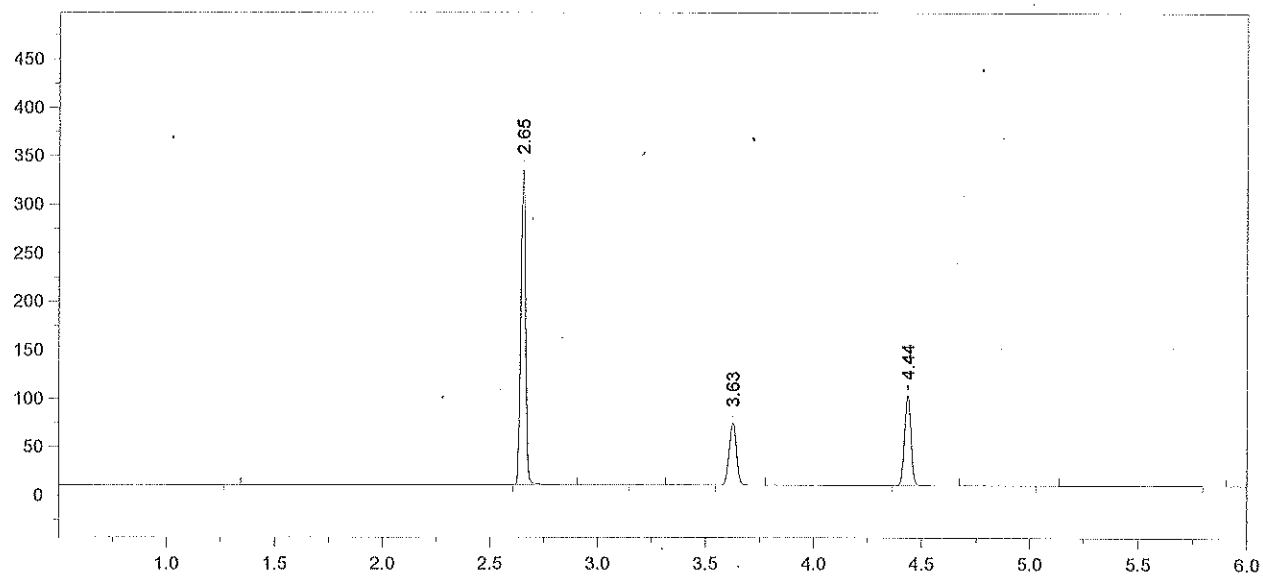


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 3:23:12 AM
Bound File Name = SIM07072014.0060.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 3:23:05 AM 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	492511	0.4870	0.3975
4	3.63	t-Butanol	155760	1.0260	0.8375
5	4.43	n-Propanol	193790	1.0000	0.8162

14-09-400 36 RM

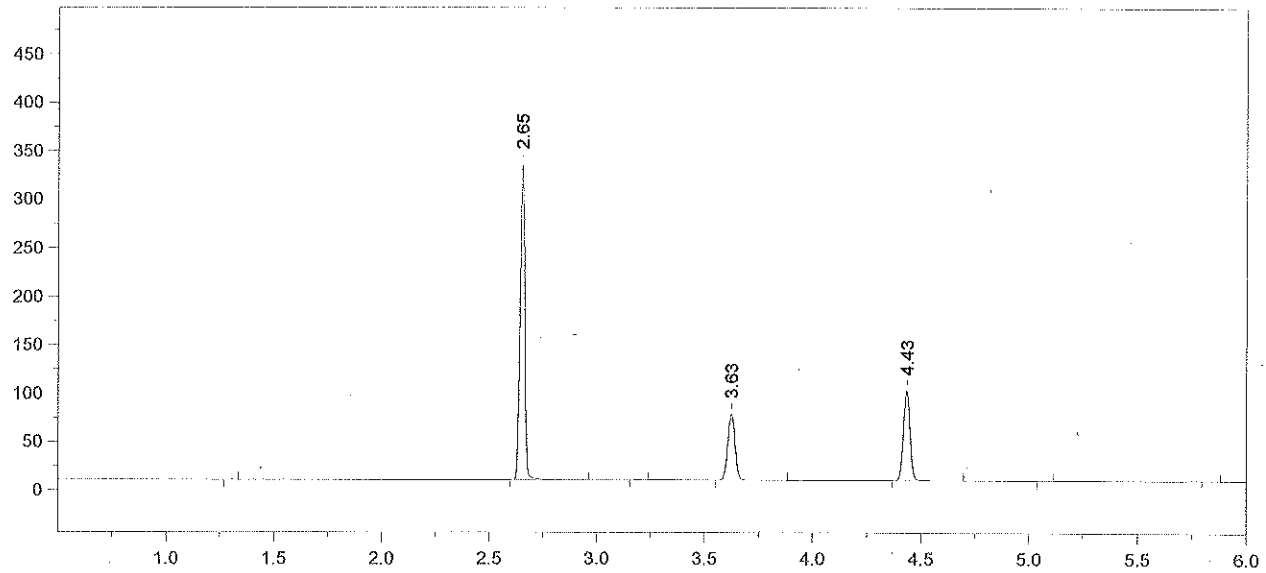


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 3:36:24 AM
Bound File Name = SIM07072014.0061.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 3:36:20 AM 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	503029	0.4887	0.3989
4	3.63	t-Butanol	149023	0.9645	0.7872
5	4.44	n-Propanol	197234	1.0000	0.8162

14-09-400 37 RZM

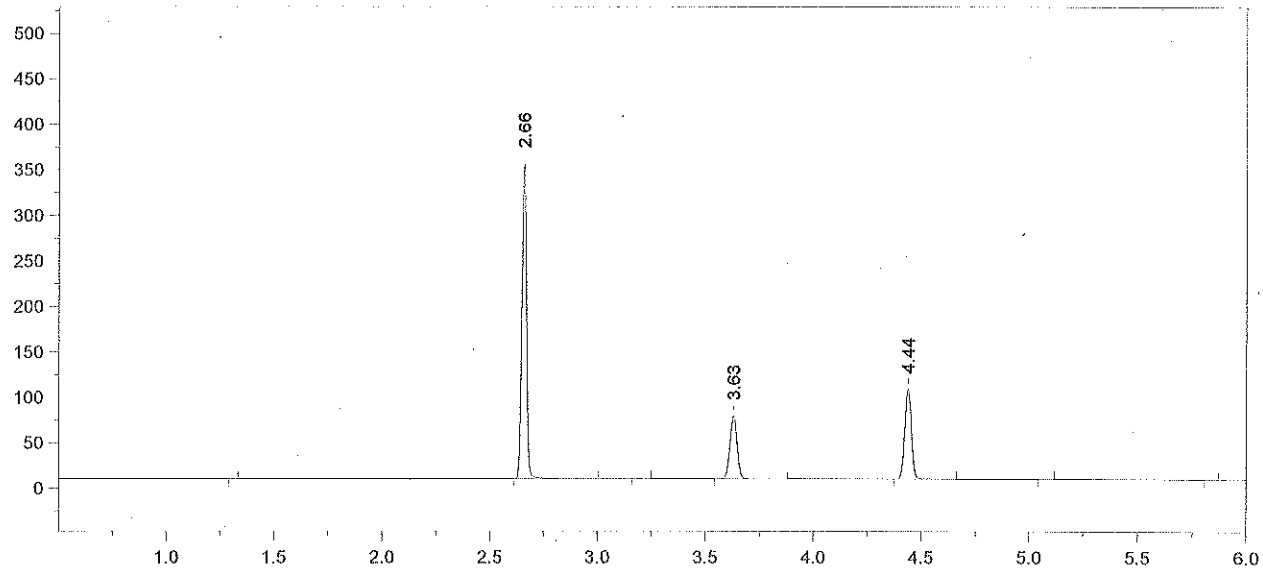


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 3:54:43 AM
Bound File Name = SIM07072014.0062.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 3:54:34 AM
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	498500	0.4855	0.3962
4	3.63	t-Butanol	158069	1.0255	0.8370
5	4.43	n-Propanol	196770	1.0000	0.8162

14-09-400 38 TEM

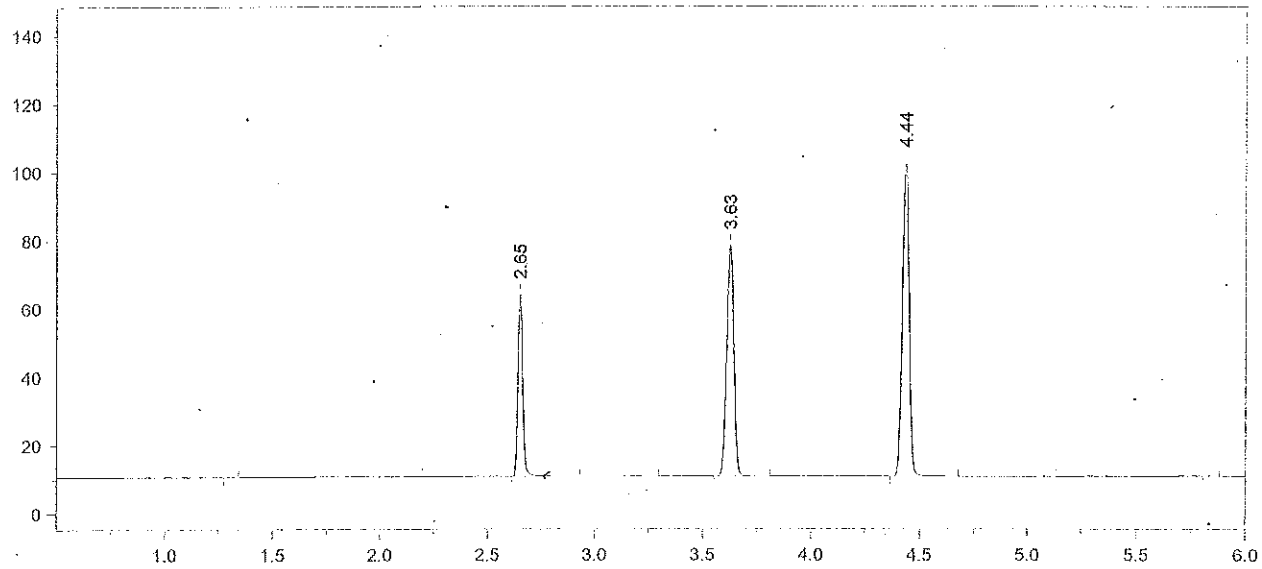


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014 Today's Time = 4:08:31 AM
Bound File Name = SIM07072014.0063.RAW
Sample Name = 0.4 ALB
Date Taken = 7/8/2014 4:08:24 AM 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	534516	0.4875	0.3979
4	3.63	t-Butanol	159748	0.9706	0.7922
5	4.44	n-Propanol	210112	1.0000	0.8162

14-09-400 39 RZm



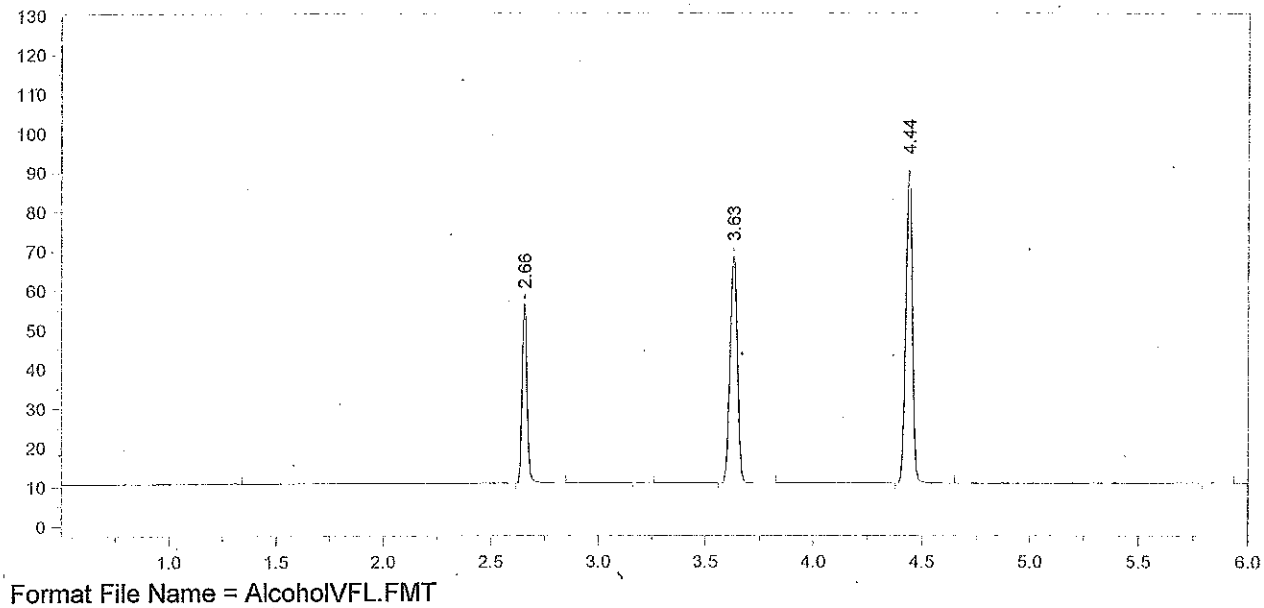
Format File Name = AlcoholVFL.FMT

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

14-09-400 40

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

14-09-400 41 RZM

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

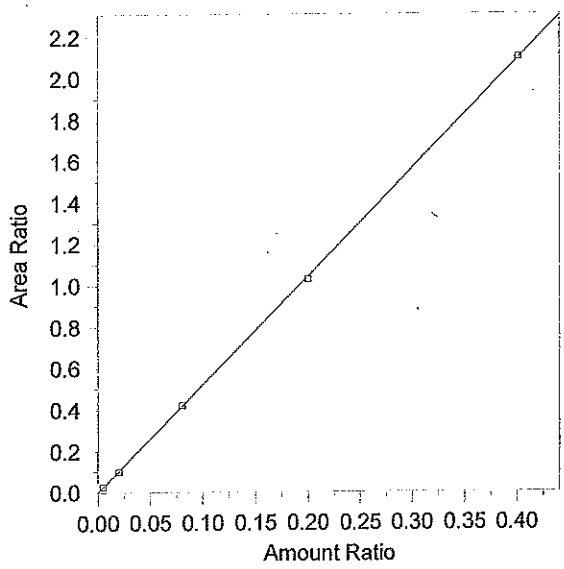
Creator:
Description:
Reason for change:

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

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 concentrations of sim solutions not included ds 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

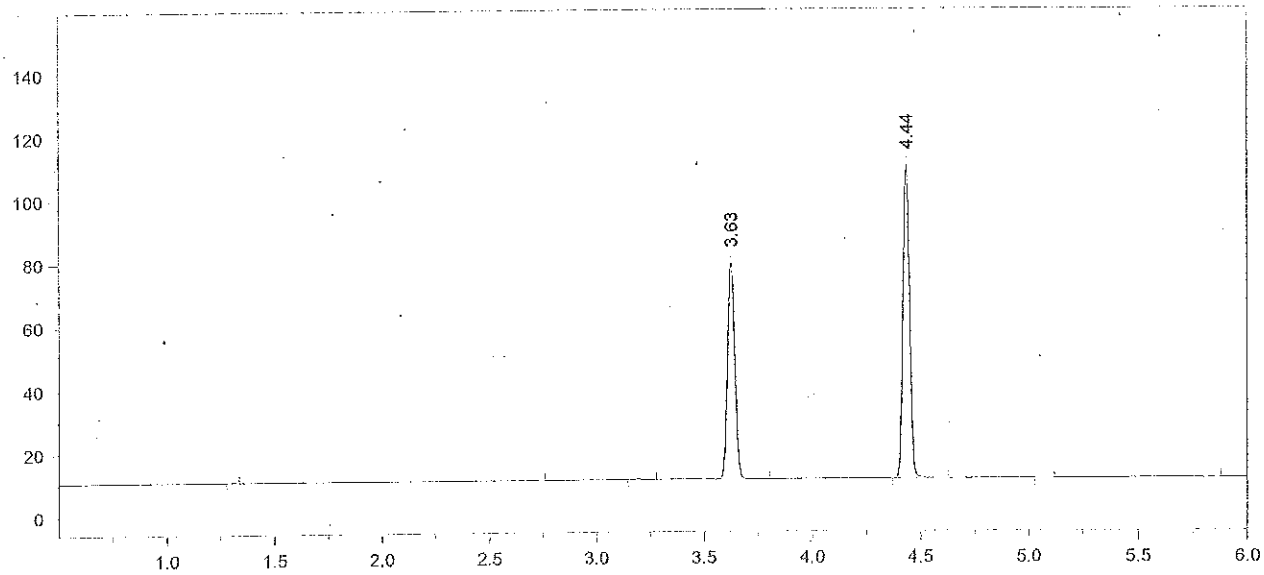
TMX-08122013

ES-06162014

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

7/9/14 [illegible]

14-09-400 44 [illegible]



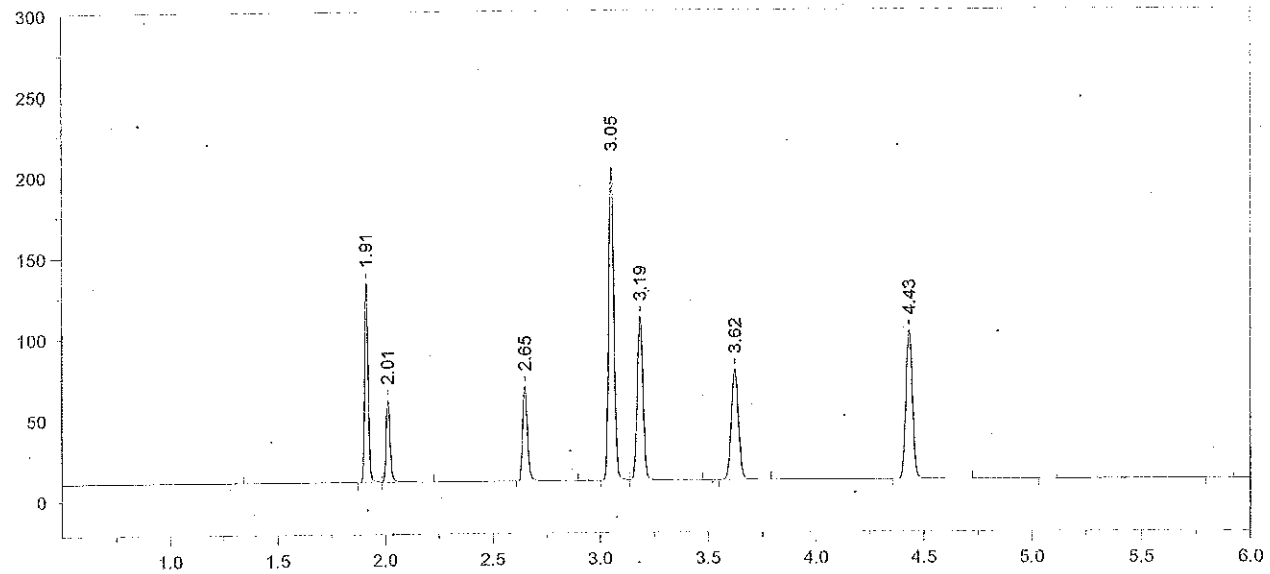
Format File Name = AlcoholVFL.FMT

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

14-09-400 45 22m

Chrom Perfect Chromatogram Report

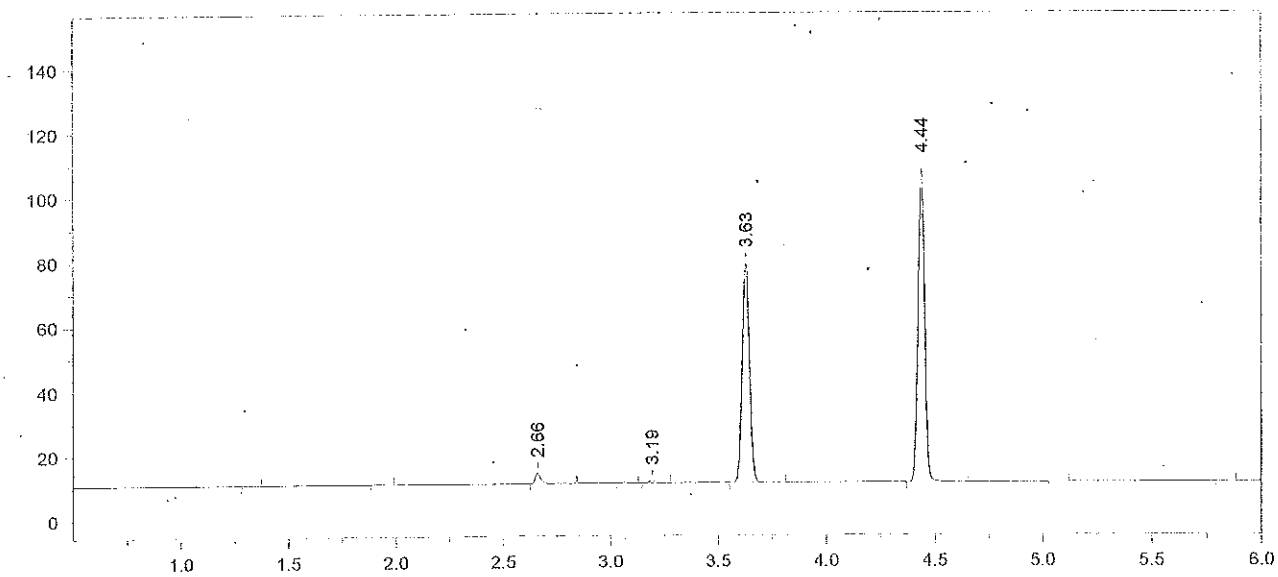


Format File Name = AlcoholVFL.FMT

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

14-09-400 46 RZM

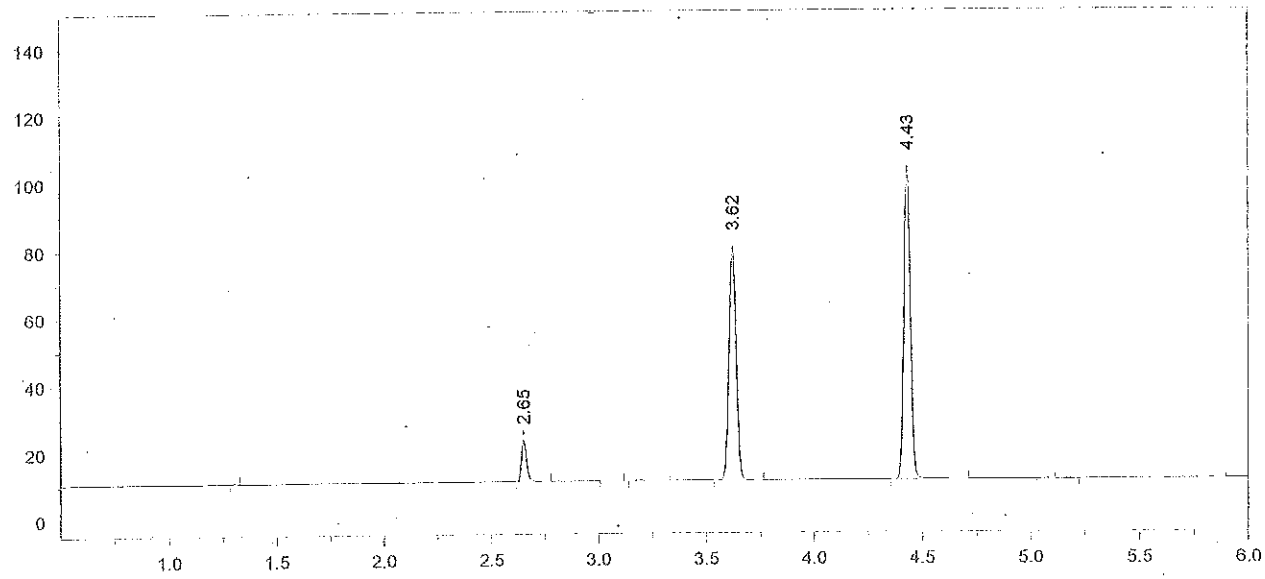


Format File Name = AlcoholVFL.FMT

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

Chrom Perfect Chromatogram Report

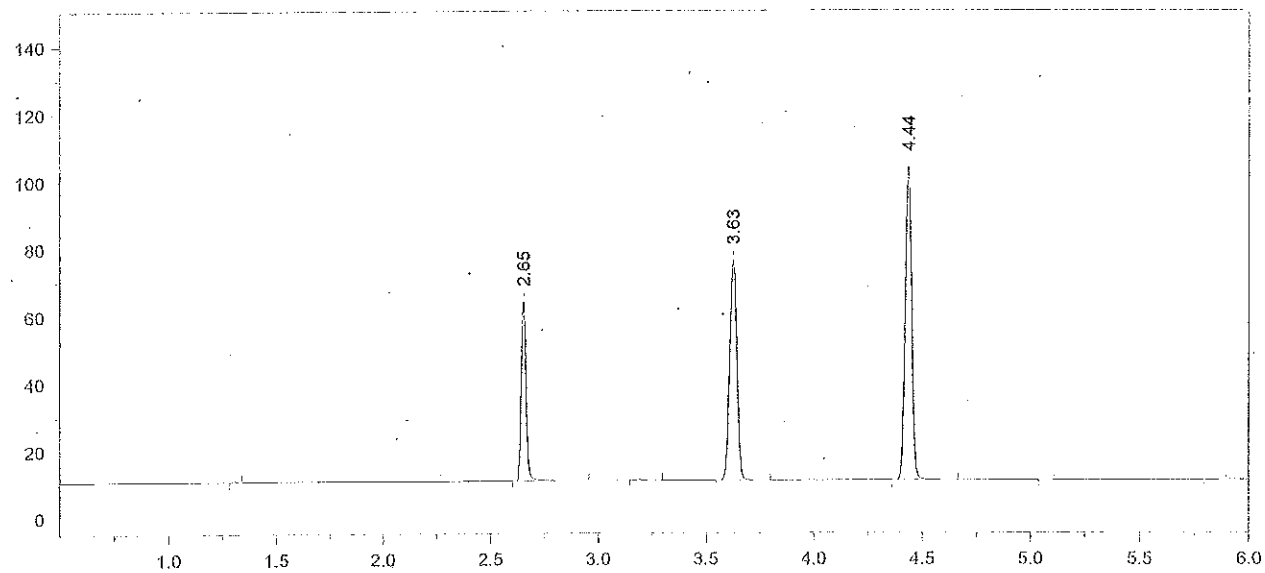


Format File Name = AlcoholVFL.FMT

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

14-09-400 48 RZm

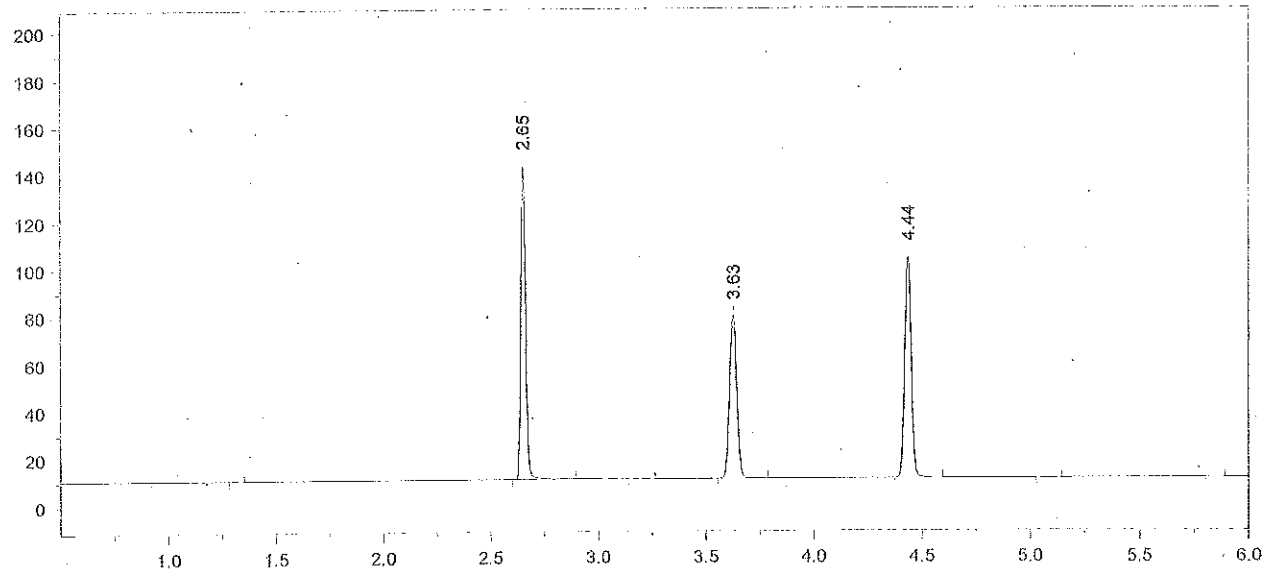


Format File Name = AlcoholVFL.FMT

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

Chrom Perfect Chromatogram Report

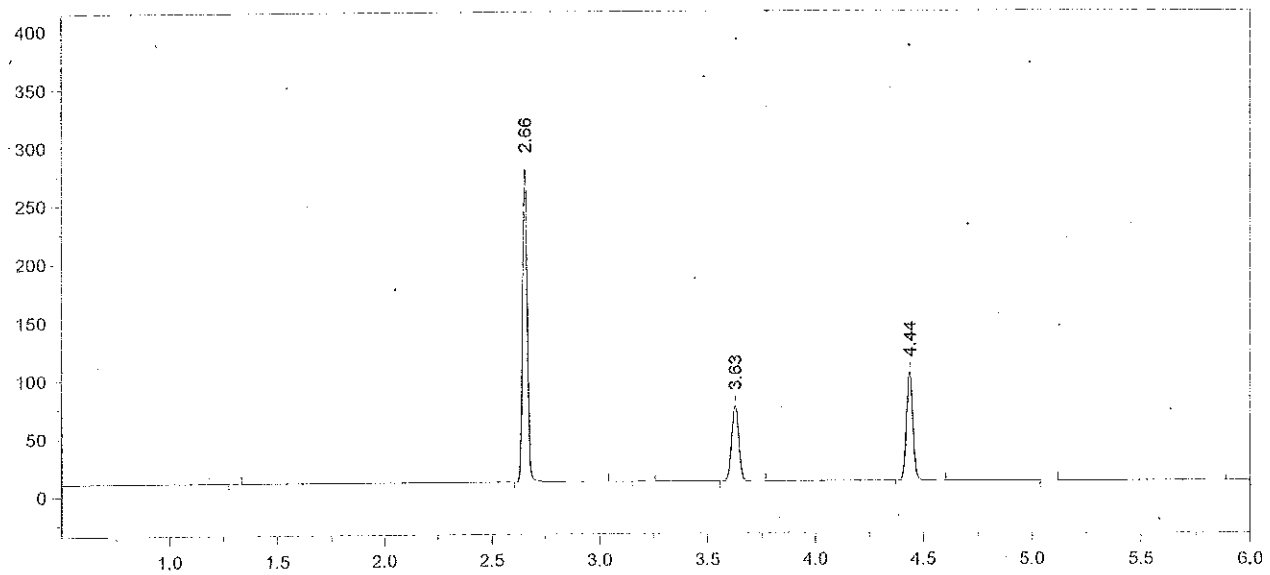


Format File Name = AlcoholVFL.FMT

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

14-09-400 50

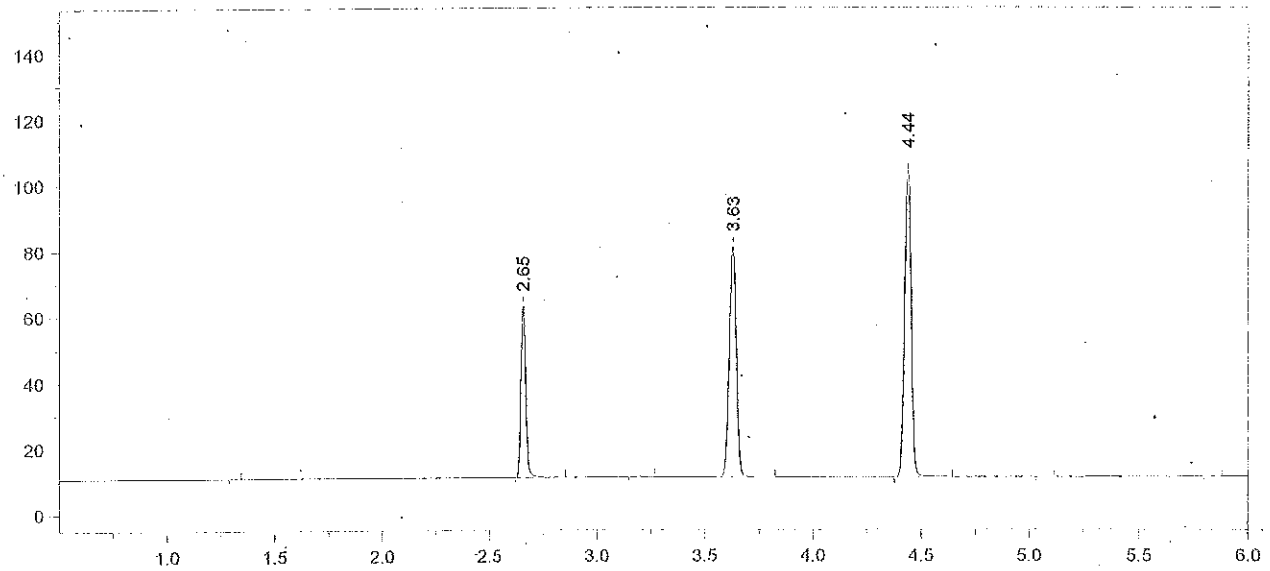


Format File Name = AlcoholVFL.FMT

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

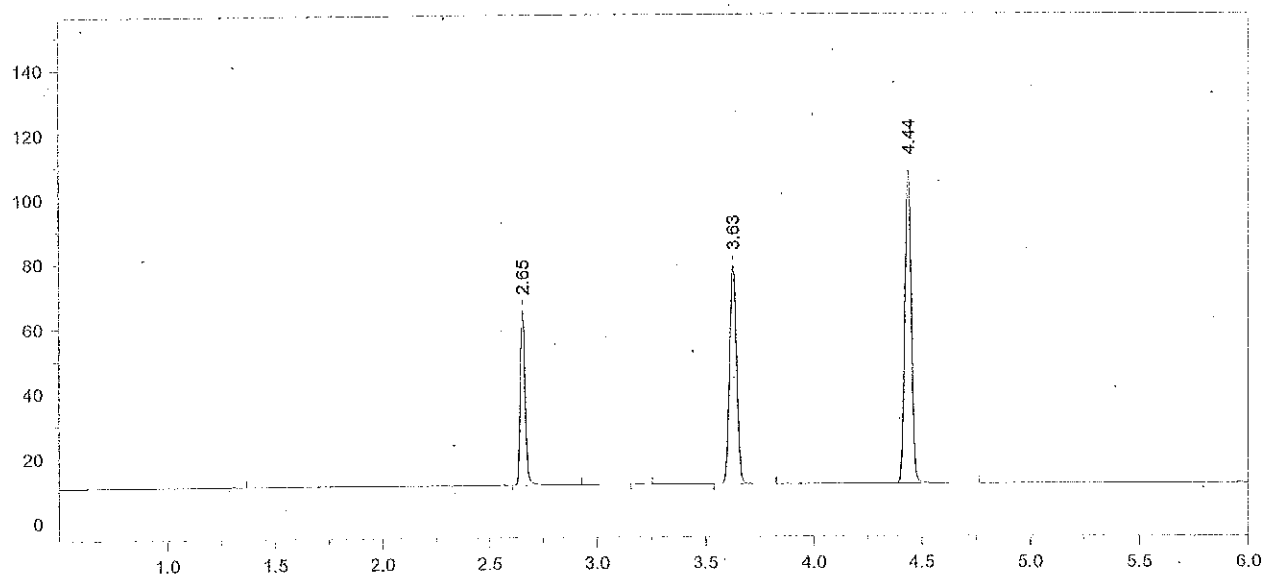


Format File Name = AlcoholVFL.FMT

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

14-09-400 52 RM



Format File Name = AlcoholVFL.FMT

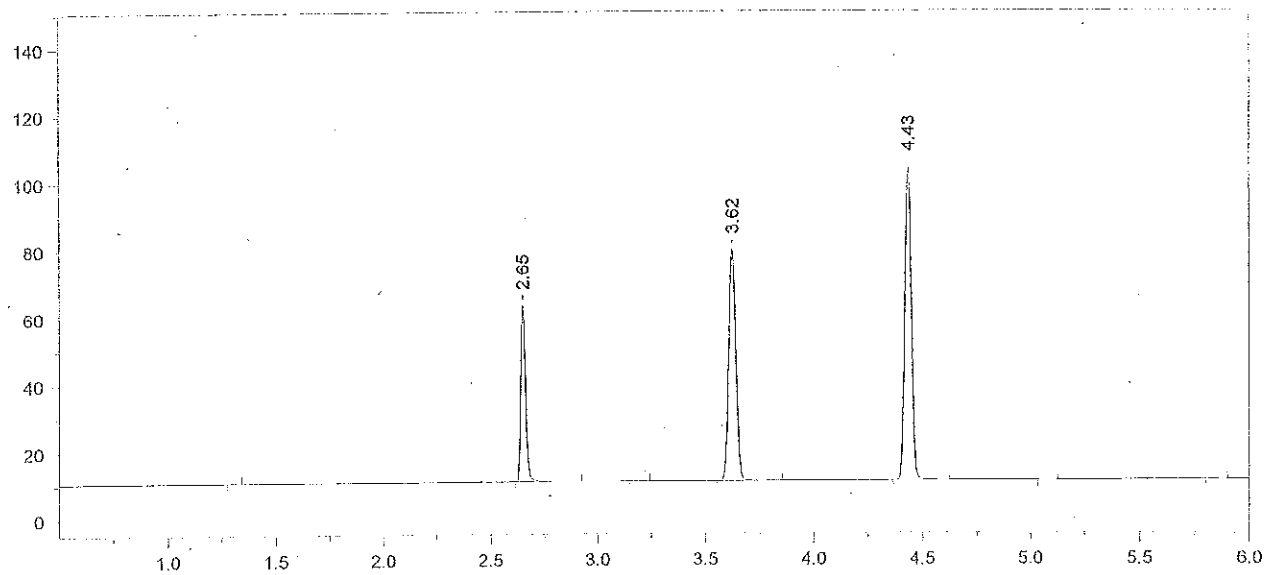
Today's Date = 7/8/2014
Today's Time = 12:38:02 PM
Bound File Name = SIM07082014.0009.RAW
Sample Name = AQ QC
Date Taken = 7/8/2014 12:37:56 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

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]

14-09-400 53 RZm



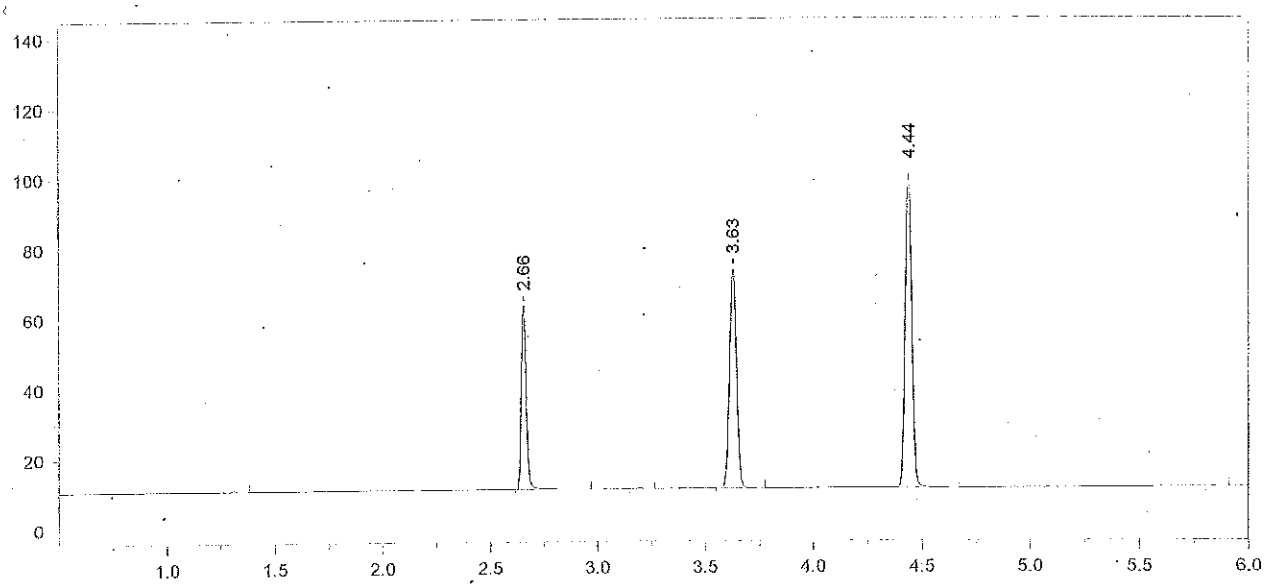
Format File Name = AlcoholVFL.FMT

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

14-09-400 54 RM

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

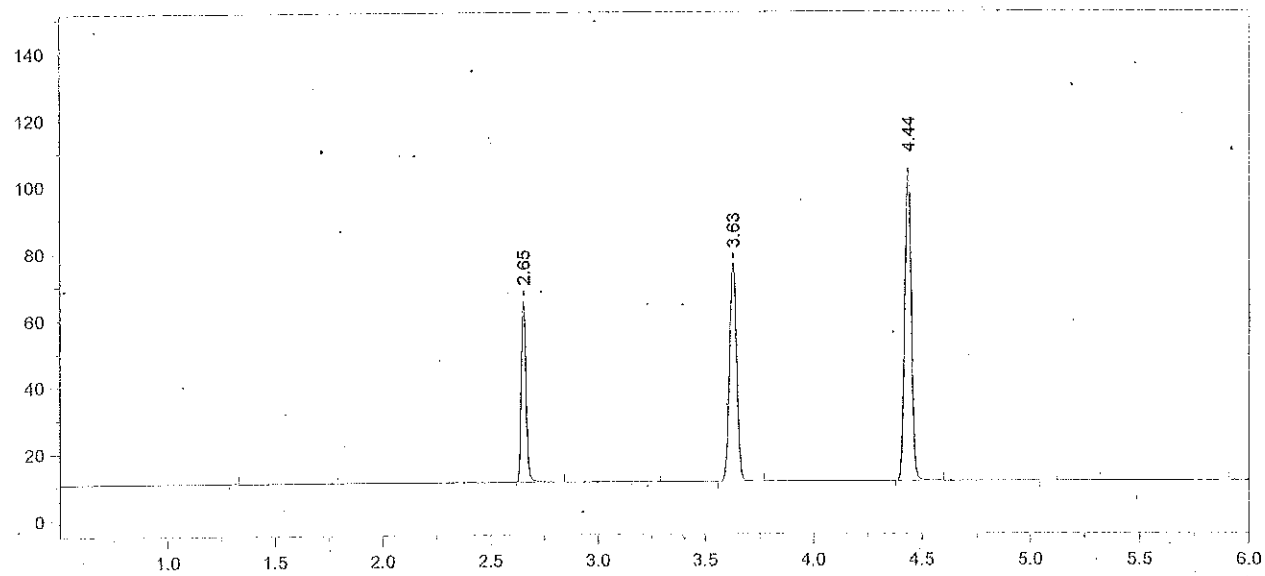
Today's Date = 7/8/2014
Today's Time = 1:10:08 PM
Bound File Name = SIM07082014.0011.RAW
Sample Name = CCS
Date Taken = 7/8/2014 1:10:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

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]

14-09-400 55 [illegible]



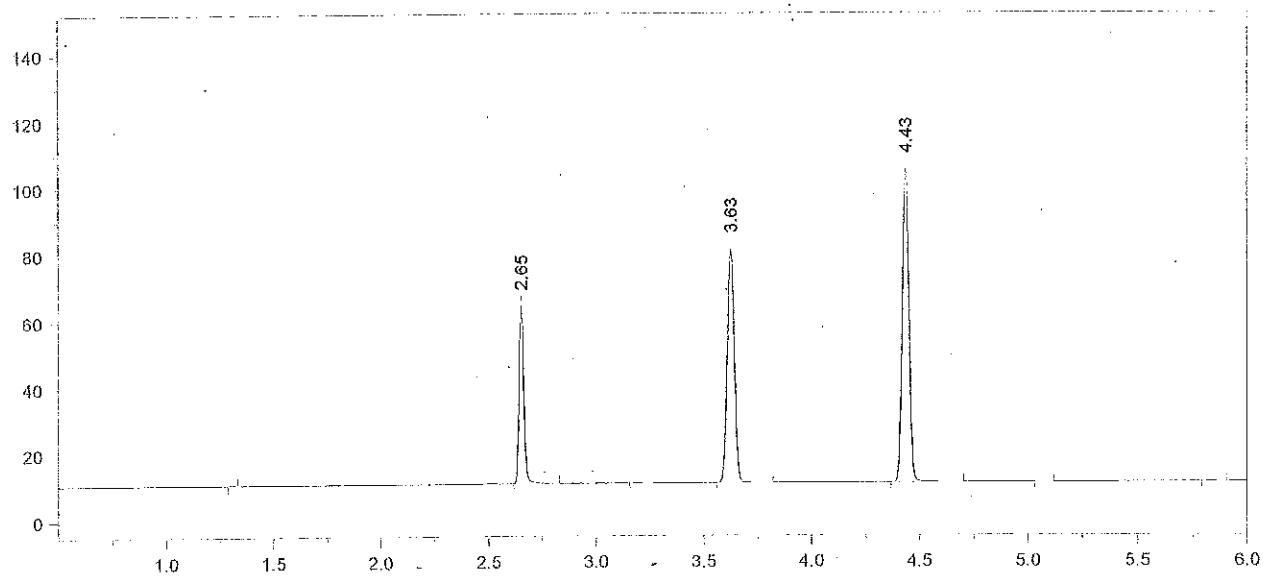
Format File Name = AlcoholVFL.FMT

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

14-09-400 56 RZM

Chrom Perfect Chromatogram Report



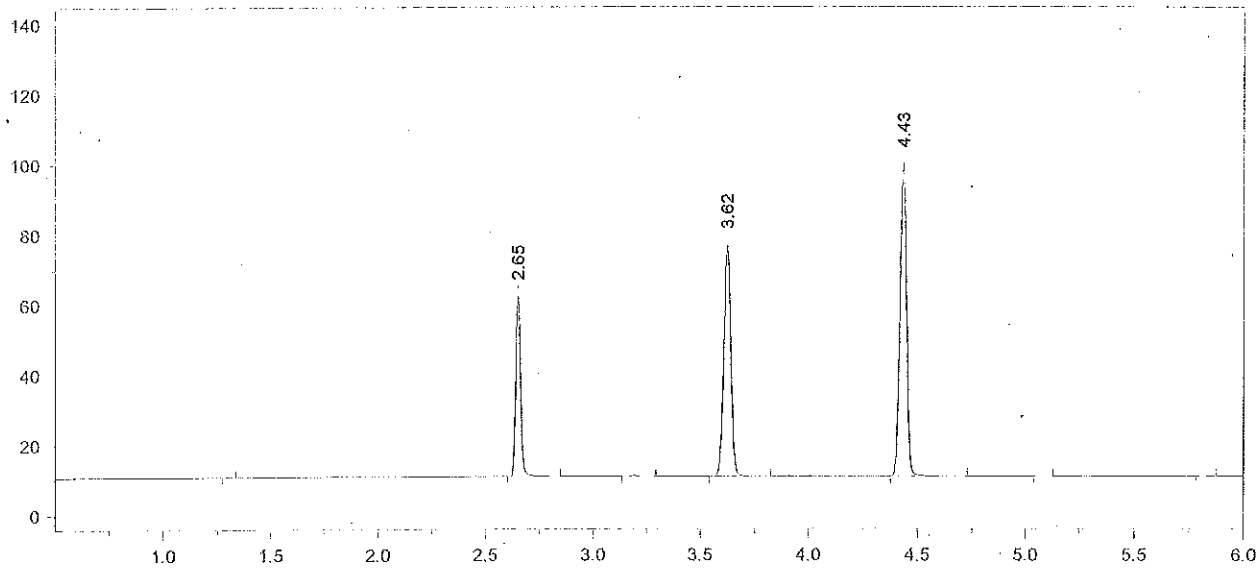
Format File Name = AlcoholVFL.FMT

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
AD 7/9/14

14-09-400 57

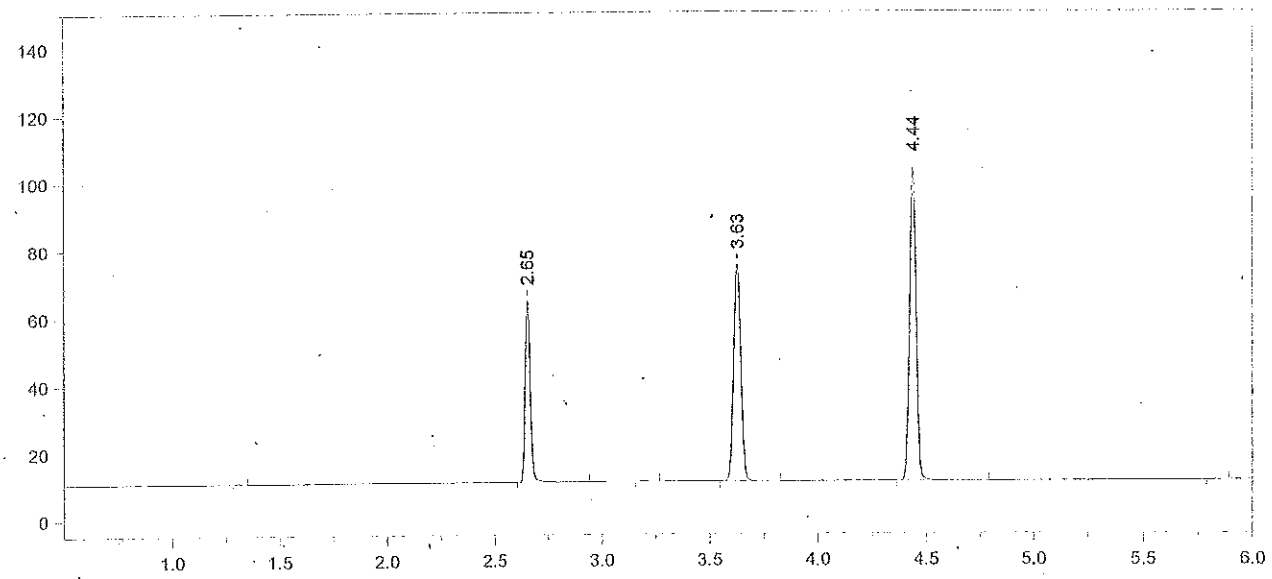


Format File Name = AlcoholVFL.FMT

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

Chrom Perfect Chromatogram Report



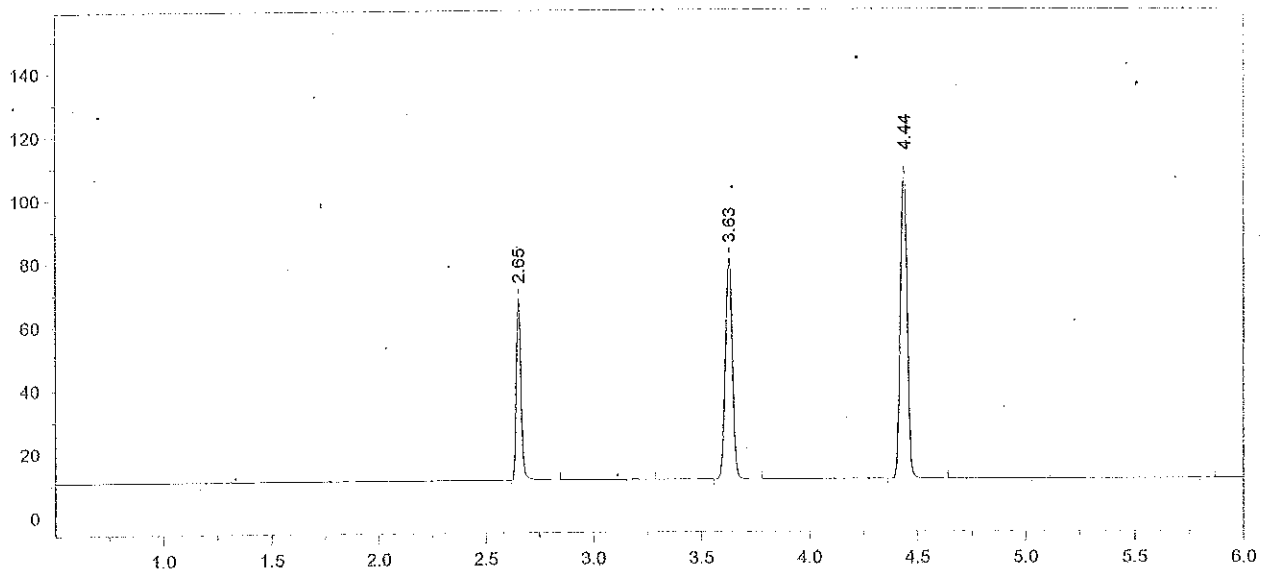
Format File Name = AlcoholVFL.FMT

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 [illegible]

Chrom Perfect Chromatogram Report



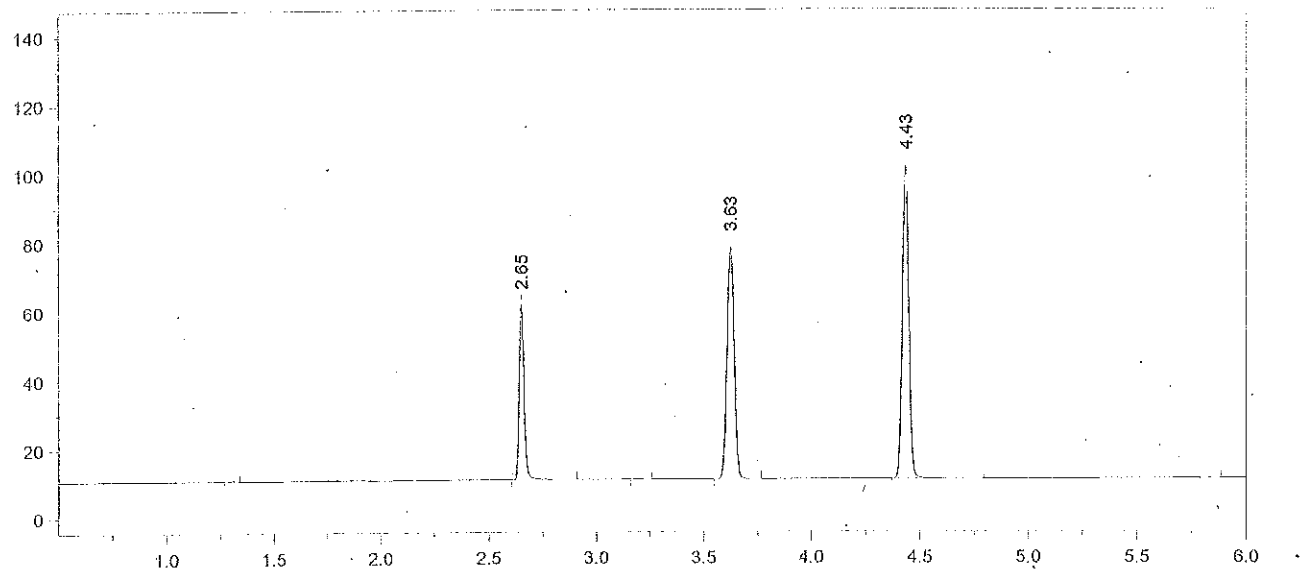
Format File Name = AlcoholVFL.FMT

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

14-09-400 60 RZ

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

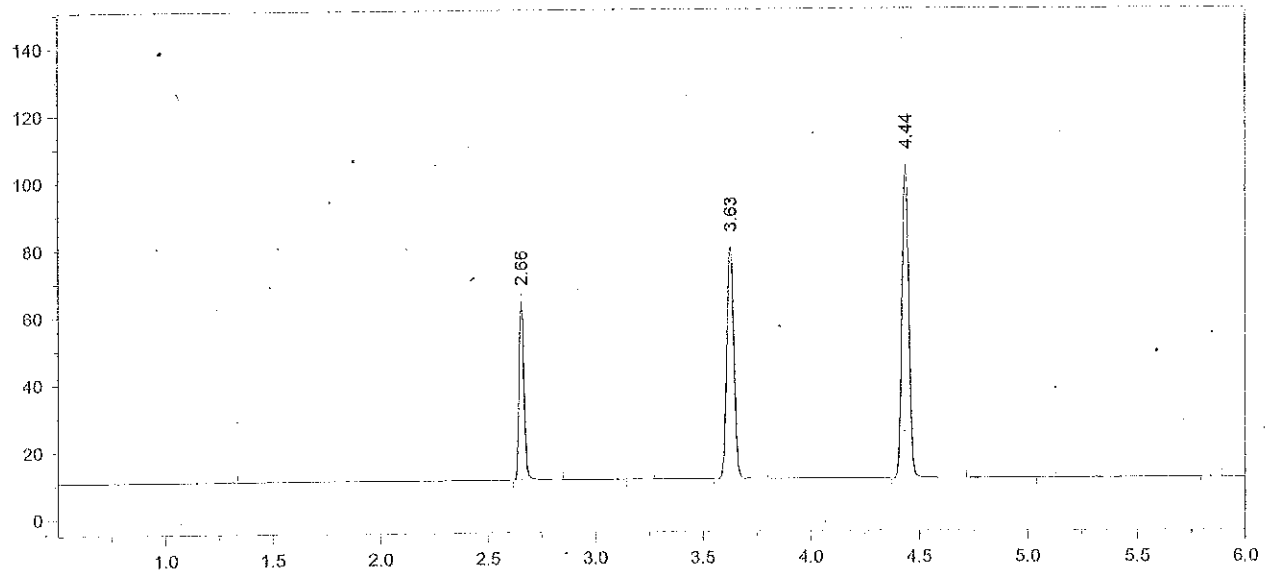
Today's Date = 7/8/2014
Today's Time = 8:14:52 PM
Bound File Name = SIM07082014.0038.RAW
Sample Name = CCS
Date Taken = 7/8/2014 8:14:43 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = SIM07082014.CAL
Calibration Version = 7

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 AWS

14-09-400 61 RZM

Chrom Perfect Chromatogram Report



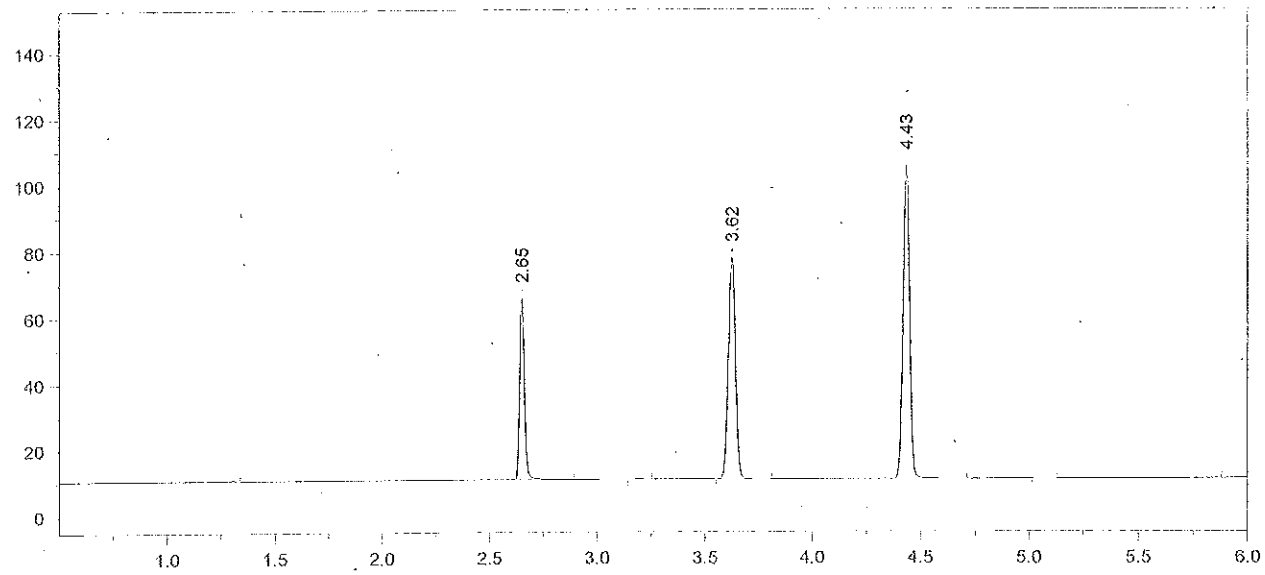
Format File Name = AlcoholVFL.FMT

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

14-09-400 62 ZZm

Chrom Perfect Chromatogram Report



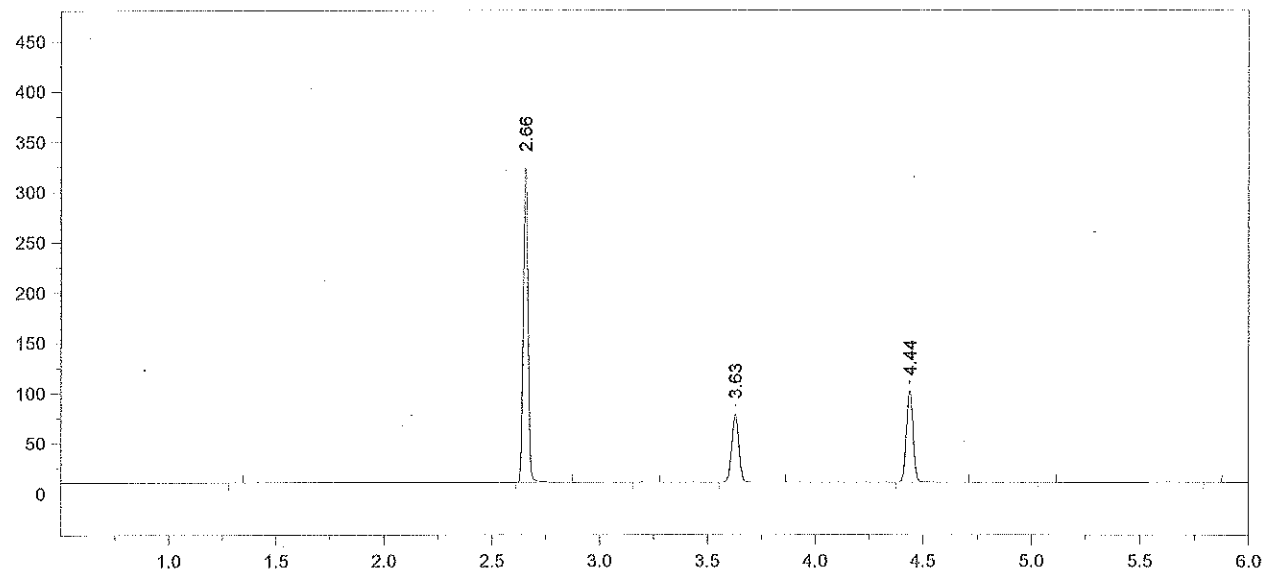
Format File Name = AlcoholVFL.FMT

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 dls

14-09-400 63 RZM

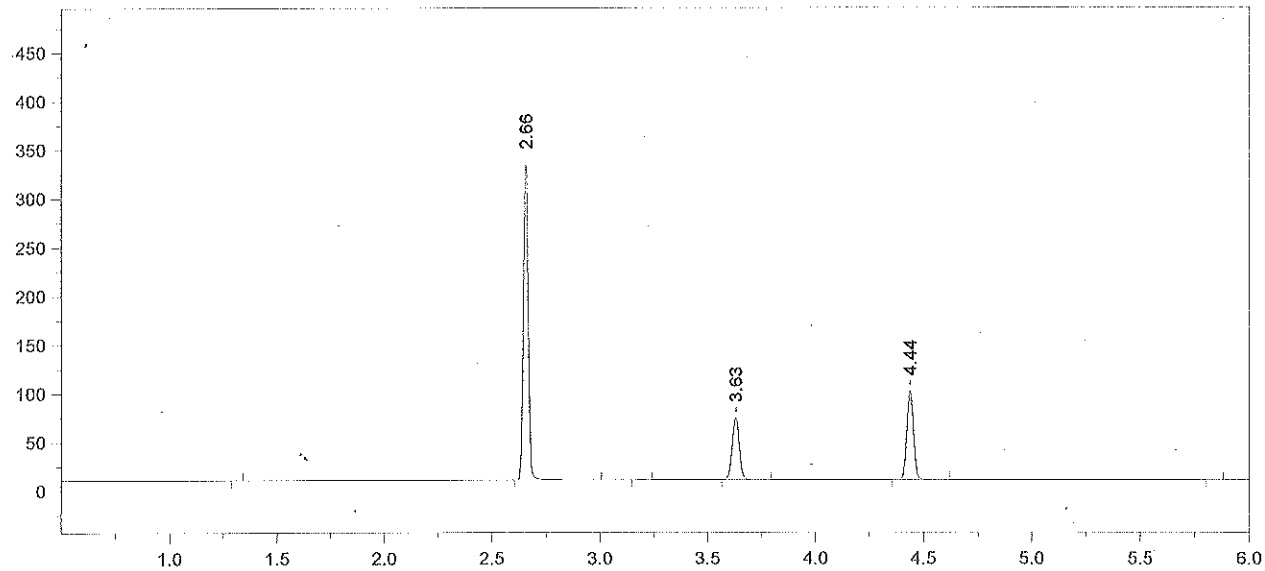


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 10:48:53 PM
Bound File Name = SIM07082014.0048.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 10:48:44 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	481681	0.4771	0.3894
4	3.63	t-Butanol	156056	1.0296	0.8404
5	4.44	n-Propanol	193441	1.0000	0.8162

14-09-400 64

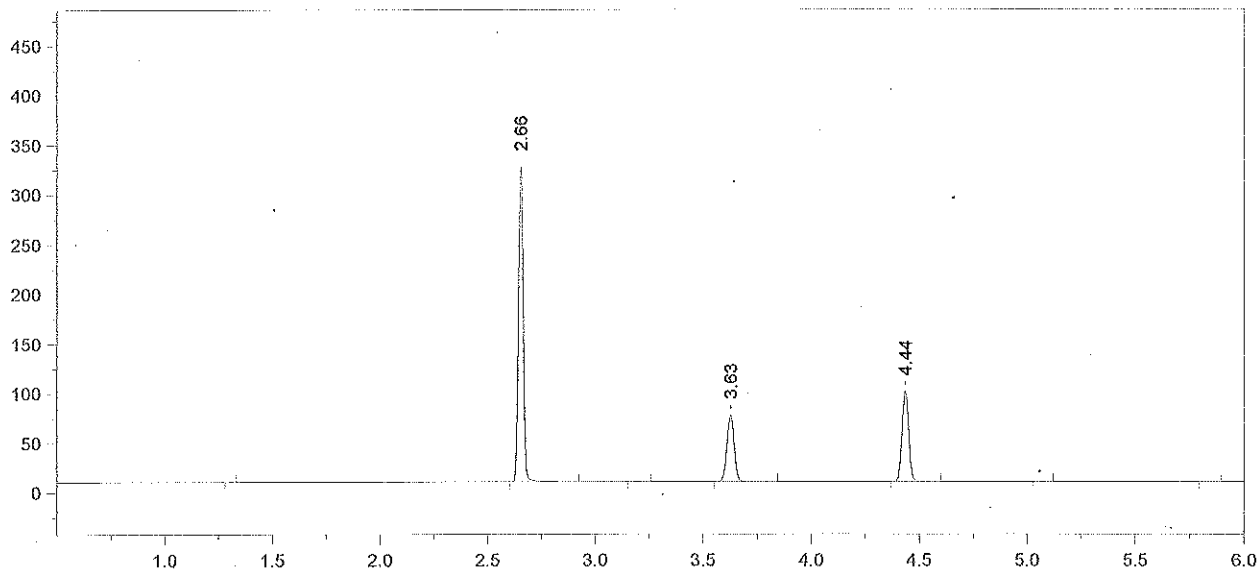


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 11:04:11 PM
Bound File Name = SIM07082014.0049.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 11:04:03 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	498164	0.4929	0.4023
4	3.63	t-Butanol	147300	0.9707	0.7923
5	4.44	n-Propanol	193661	1.0000	0.8162

14-09-400 65 RLM

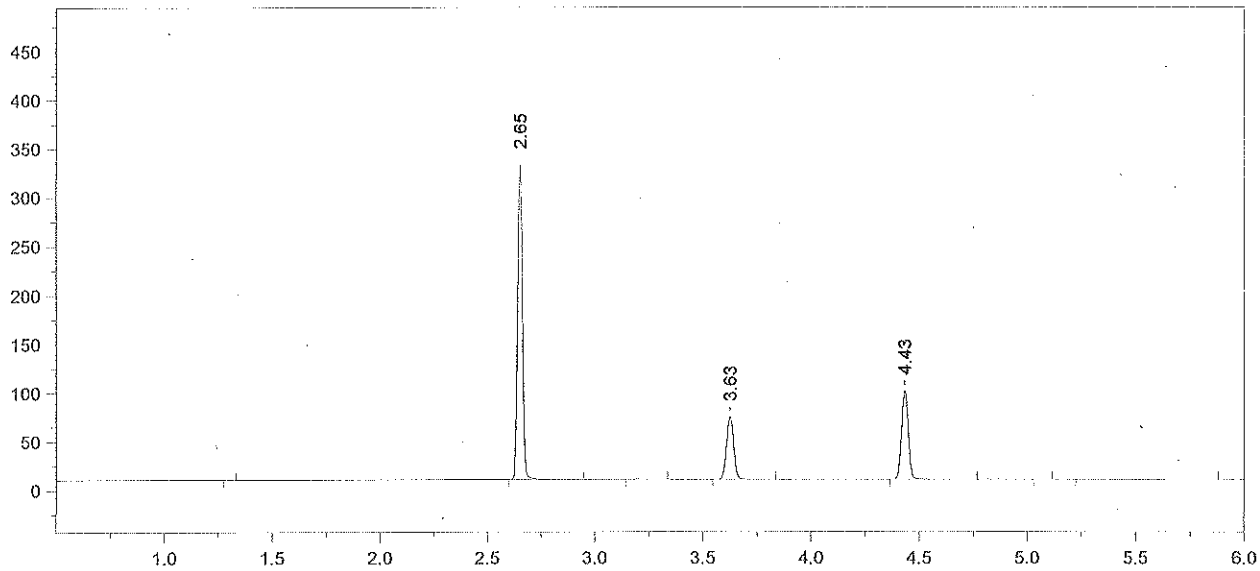


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 11:20:25 PM
Bound File Name = SIM07082014.0050.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 11:20:18 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	489890	0.4839	0.3949
4	3.63	t-Butanol	156005	1.0264	0.8377
5	4.44	n-Propanol	193986	1.0000	0.8162

14-09-400 66 RZM

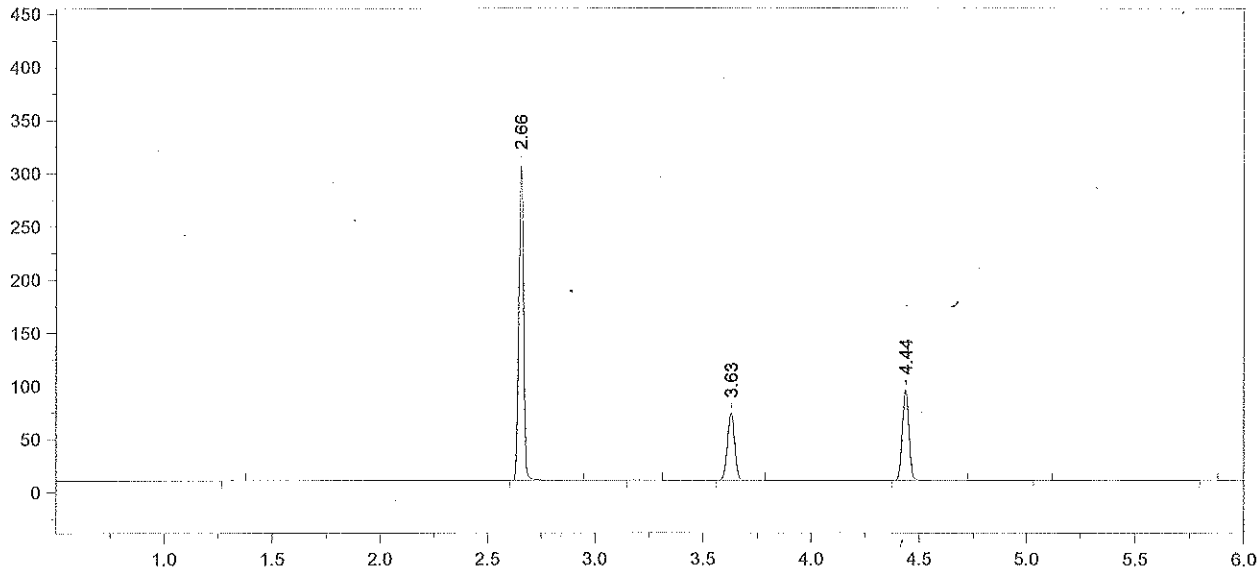


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 11:34:20 PM
Bound File Name = SIM07082014.0051.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 11:34:10 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	495545	0.4895	0.3995
4	3.63	t-Butanol	149232	0.9820	0.8015
5	4.43	n-Propanol	193960	1.0000	0.8162

14-09-400 67 RM

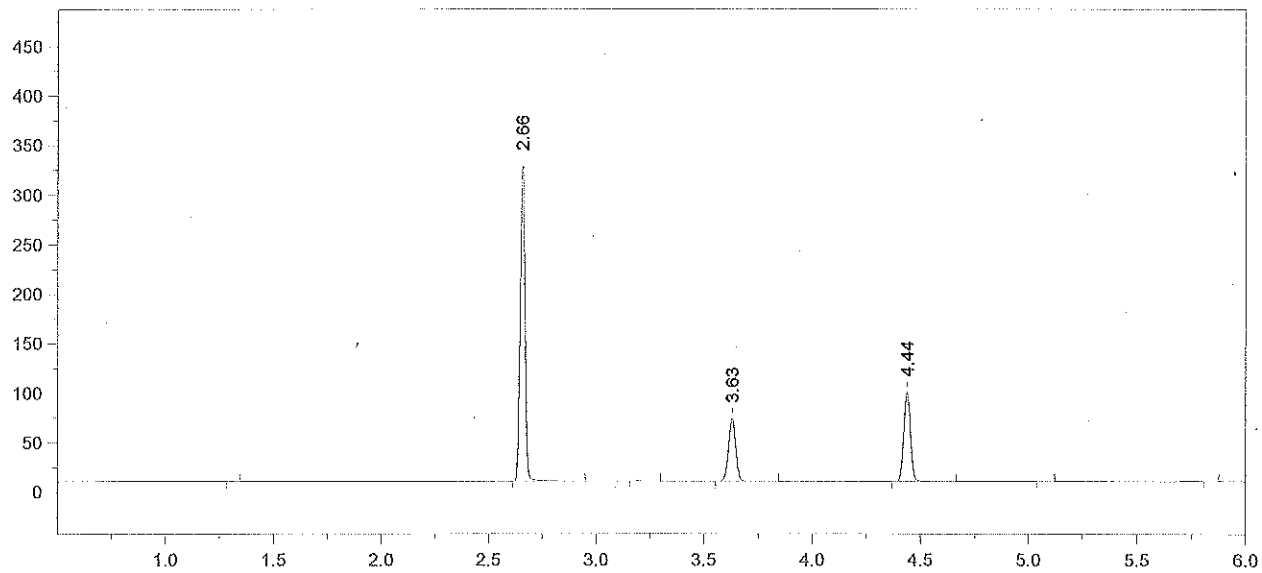


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/8/2014
Today's Time = 11:51:55 PM
Bound File Name = SIM07082014.0052.RAW
Sample Name = 0.4 RLM
Date Taken = 7/8/2014 11:51:48 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	453591	0.4815	0.3930
4	3.63	t-Butanol	145978	1.0323	0.8426
5	4.44	n-Propanol	180478	1.0000	0.8162

14-09-400 68 RLM

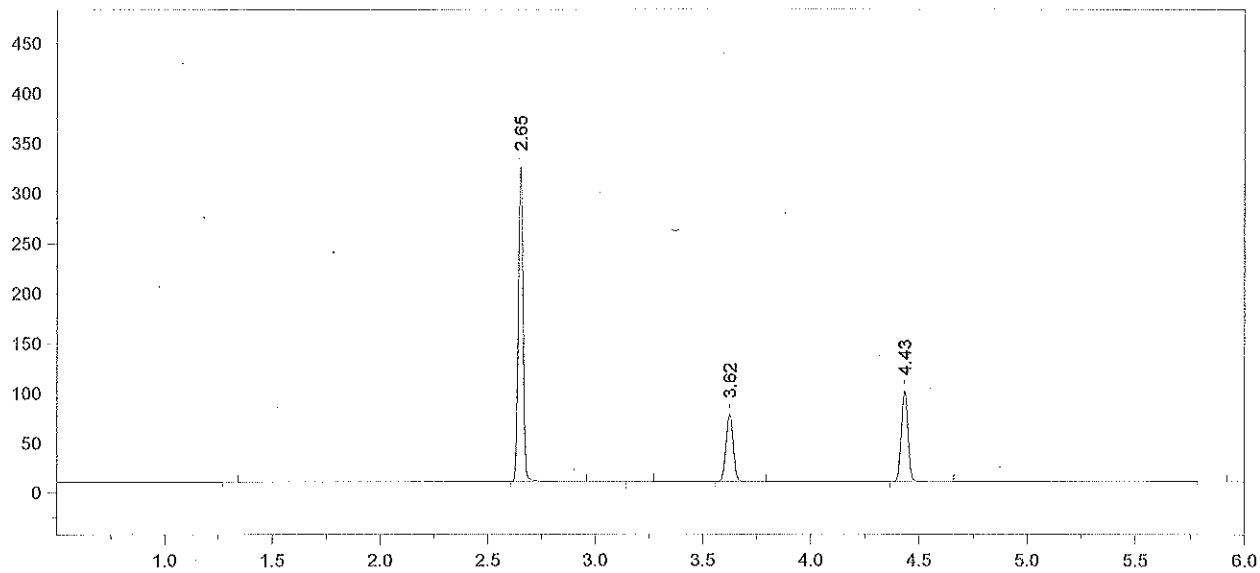


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014
Today's Time = 12:05:41 AM
Bound File Name = SIM07082014.0053.RAW
Sample Name = 0.4 RLM
Date Taken = 7/9/2014 12:05:31 AM
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	493872	0.4930	0.4024
4	3.63	t-Butanol	146855	0.9766	0.7971
5	4.44	n-Propanol	191922	1.0000	0.8162

14-09-400 69 TEM



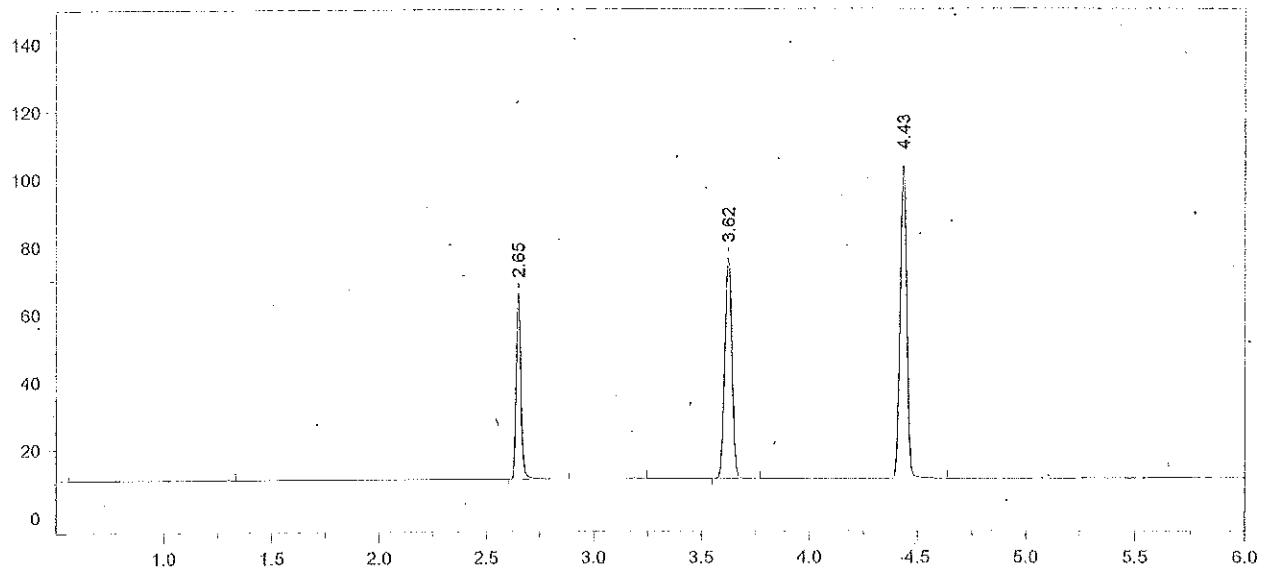
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014
Today's Time = 12:23:22 AM
Bound File Name = SIM07082014.0054.RAW
Sample Name = 0.4 RLM
Date Taken = 7/9/2014 12:23:15 AM
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	485203	0.4817	0.3932
4	3.62	t-Butanol	156241	1.0333	0.8434
5	4.43	n-Propanol	192976	1.0000	0.8162

14-09-400 70 RZm

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

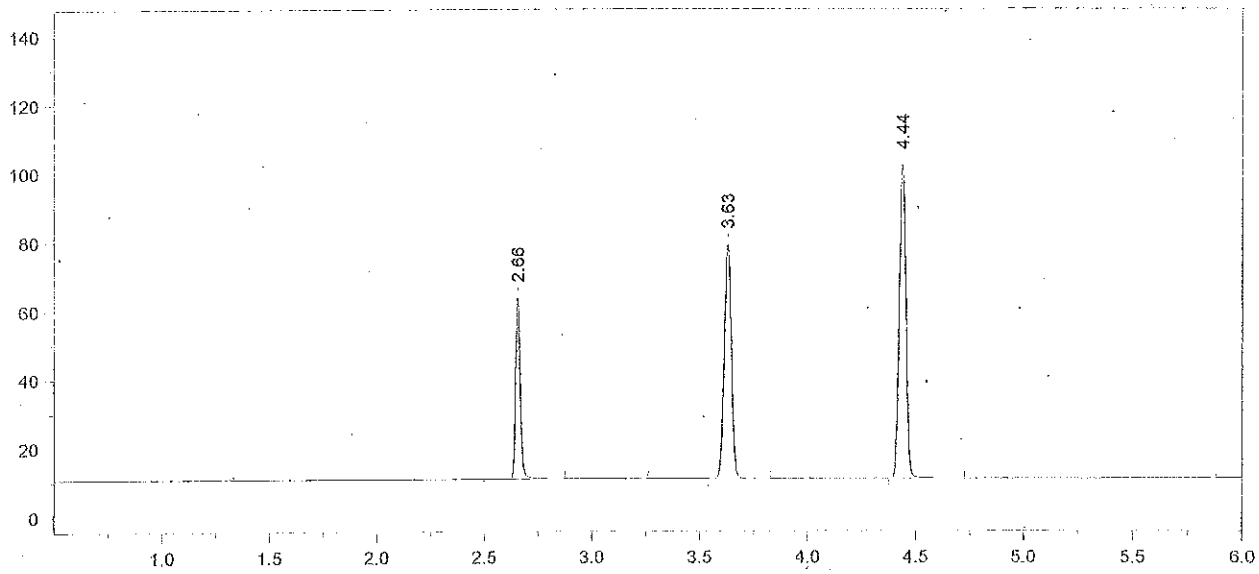
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	85796	0.0836
5	3.62	t-Butanol	151748	0.9854
6	4.43	n-Propanol	196541	1.0000

14-09-100

71

RZm

Chrom Perfect Chromatogram Report



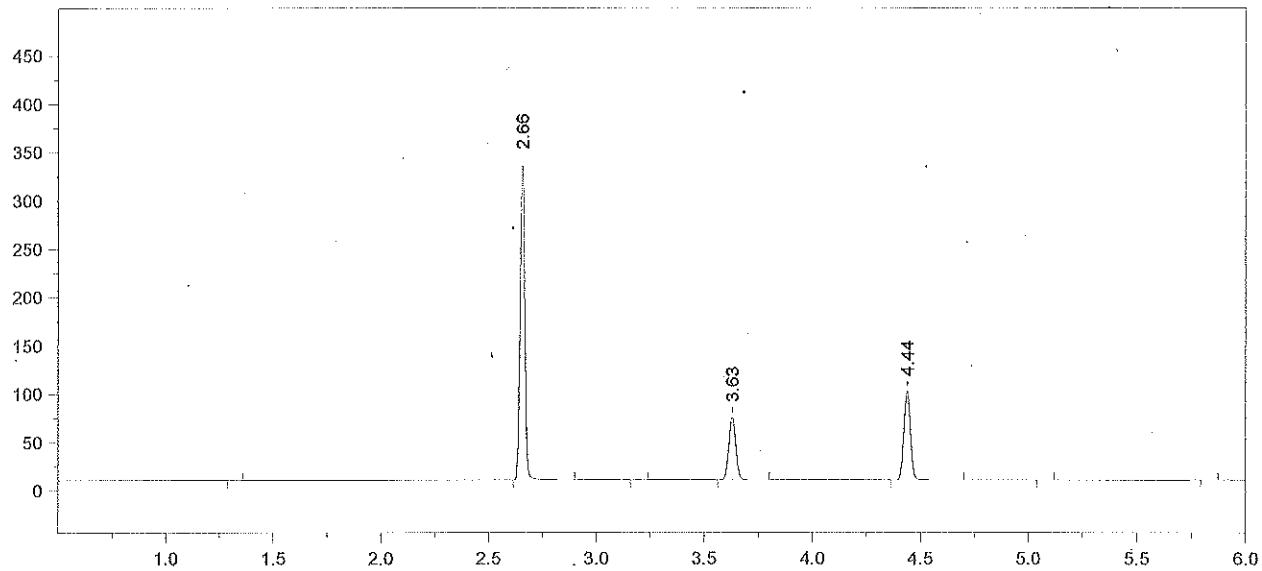
Format File Name = AlcoholVFL.FMT

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

14-09-400
72

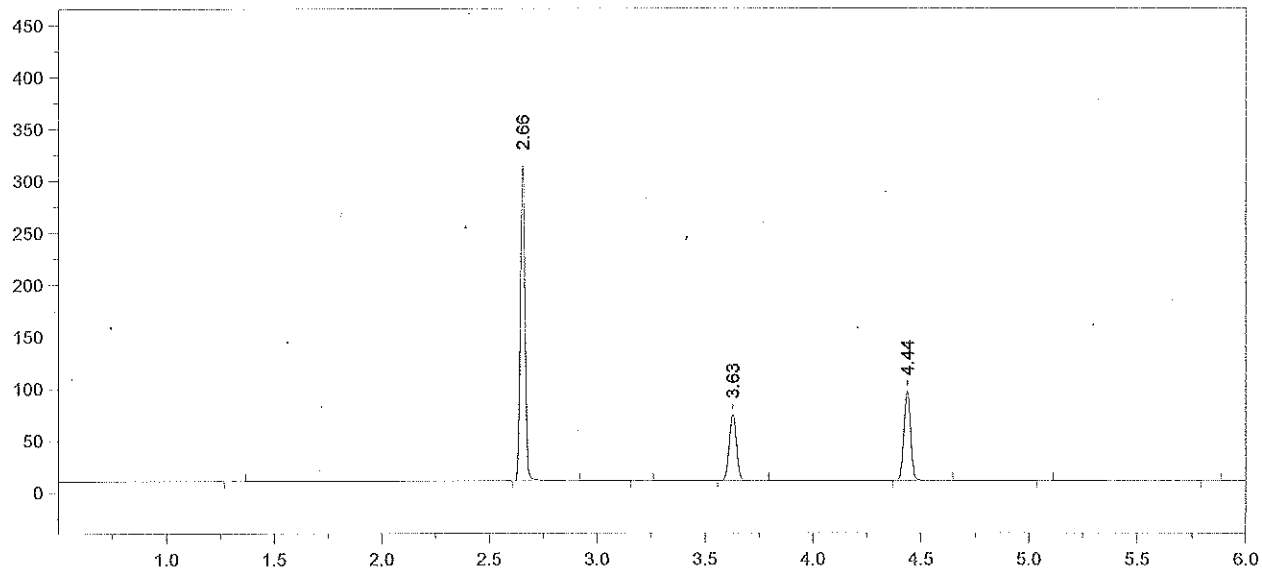


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014 Today's Time = 1:08:31 AM
Bound File Name = SIM07082014.0057.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 1:08:25 AM 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	503444	0.4943	0.4034
4	3.63	t-Butanol	148596	0.9718	0.7932
5	4.44	n-Propanol	195145	1.0000	0.8162

14-09-400 73 KZM

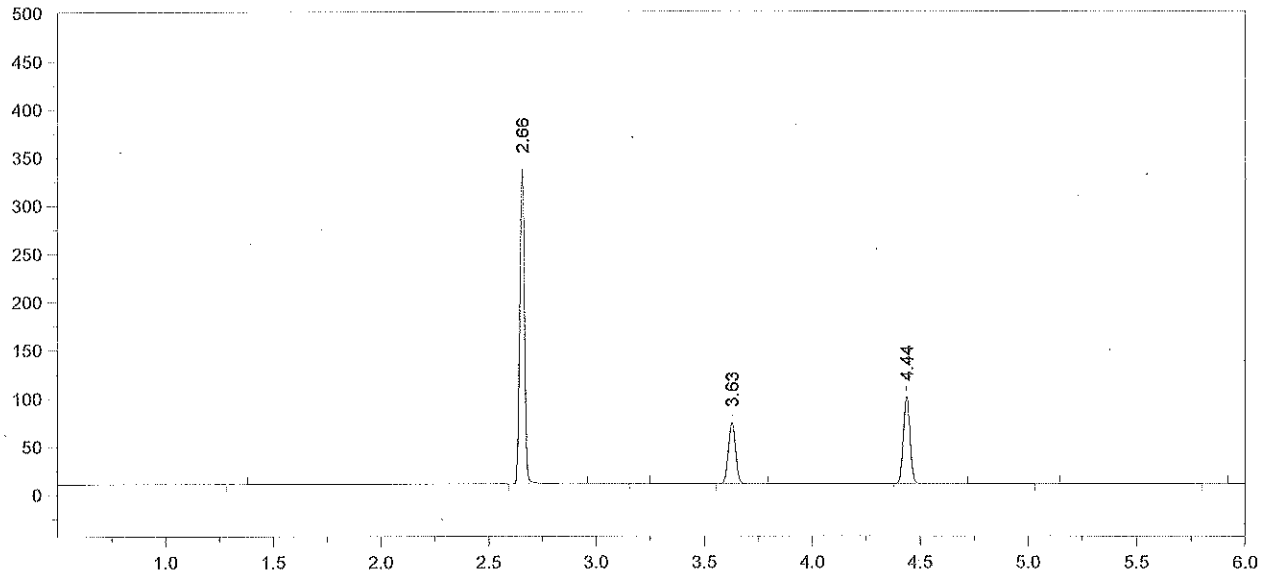


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014
Today's Time = 1:26:21 AM
Bound File Name = SIM07082014.0058.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 1:26:14 AM
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	463127	0.4856	0.3964
4	3.63	t-Butanol	147934	1.0333	0.8434
5	4.44	n-Propanol	182722	1.0000	0.8162

14-09-400 74 RJM

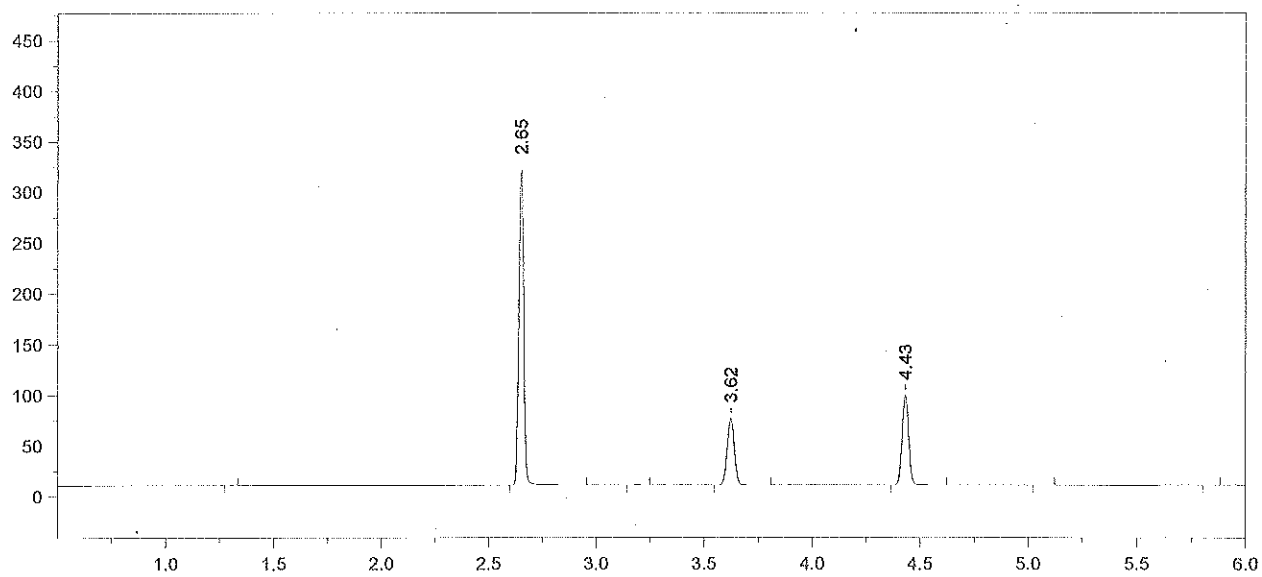


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014 Today's Time = 1:39:56 AM
Bound File Name = SIM07082014.0059.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 1:39:50 AM 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	503990	0.5033	0.4108
4	3.63	t-Butanol	146318	0.9732	0.7943
5	4.44	n-Propanol	191880	1.0000	0.8162

14-09-400 75

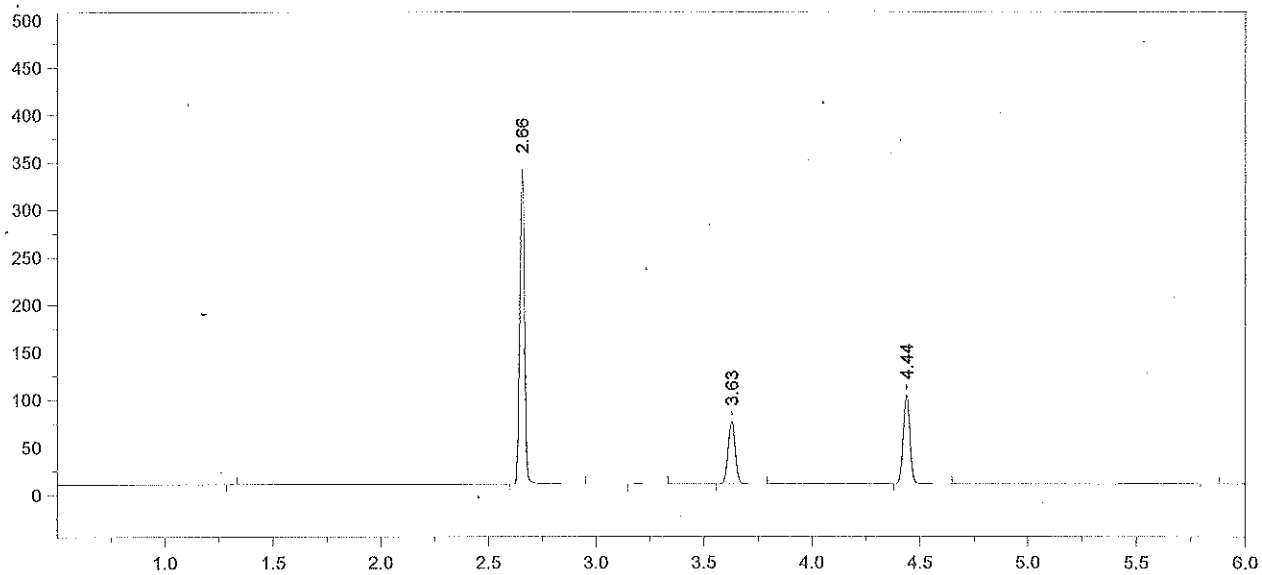


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014
Today's Time = 1:57:48 AM
Bound File Name = SIM07082014.0060.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 1:57:38 AM
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	480263	0.4890	0.3991
4	3.62	t-Butanol	152421	1.0337	0.8437
5	4.43	n-Propanol	188187	1.0000	0.8162

14-09-400 76 RZm

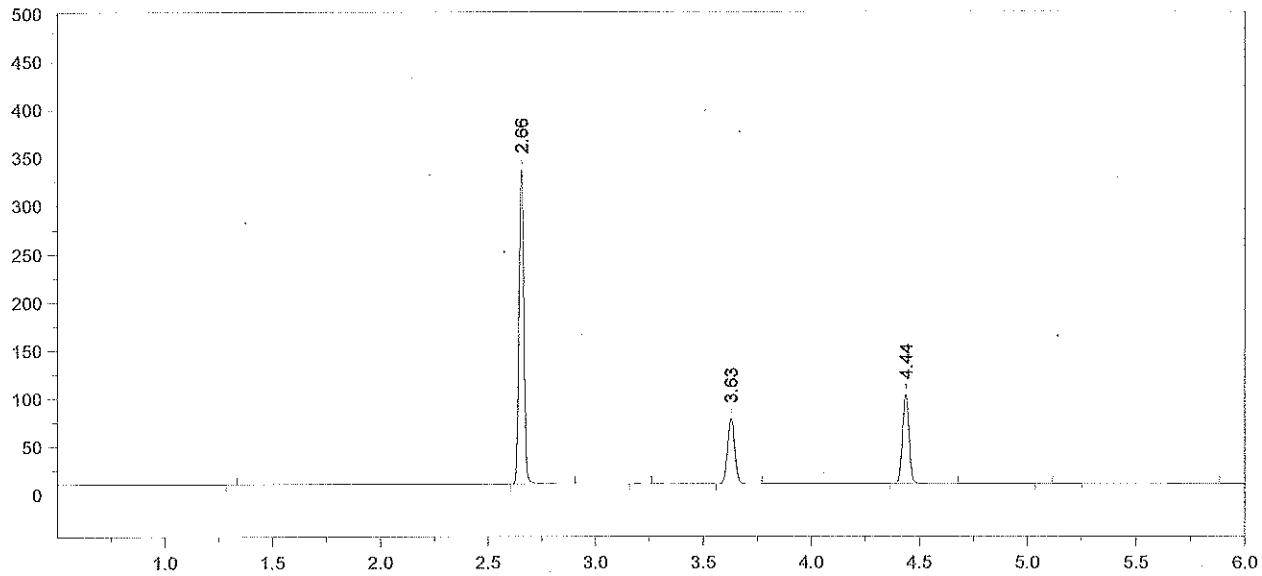


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014 Today's Time = 2:11:35 AM
Bound File Name = SIM07082014.0061.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 2:11:26 AM 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	508945	0.4880	0.3983
4	3.63	t-Butanol	152137	0.9717	0.7931
5	4.44	n-Propanol	199818	1.0000	0.8162

14-09-400 77 RZM

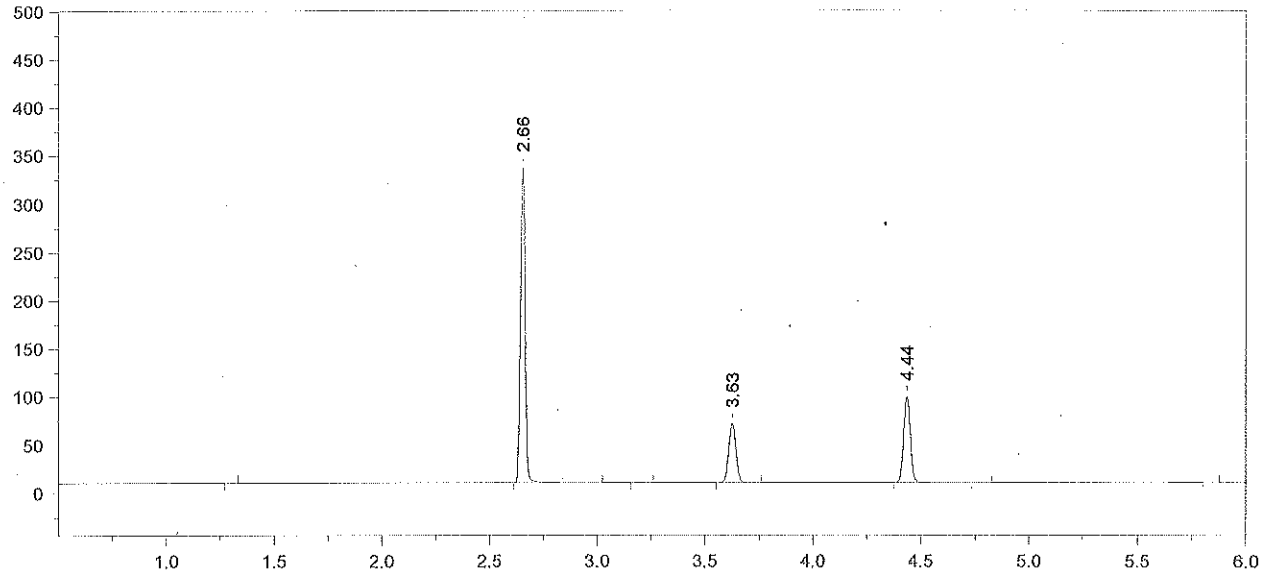


Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014
Today's Time = 2:29:15 AM
Bound File Name = SIM07082014.0062.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 2:29:05 AM
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	501556	0.4895	0.3995
4	3.63	t-Butanol	156884	1.0199	0.8325
5	4.44	n-Propanol	196311	1.0000	0.8162

14-09-400 78 RZM



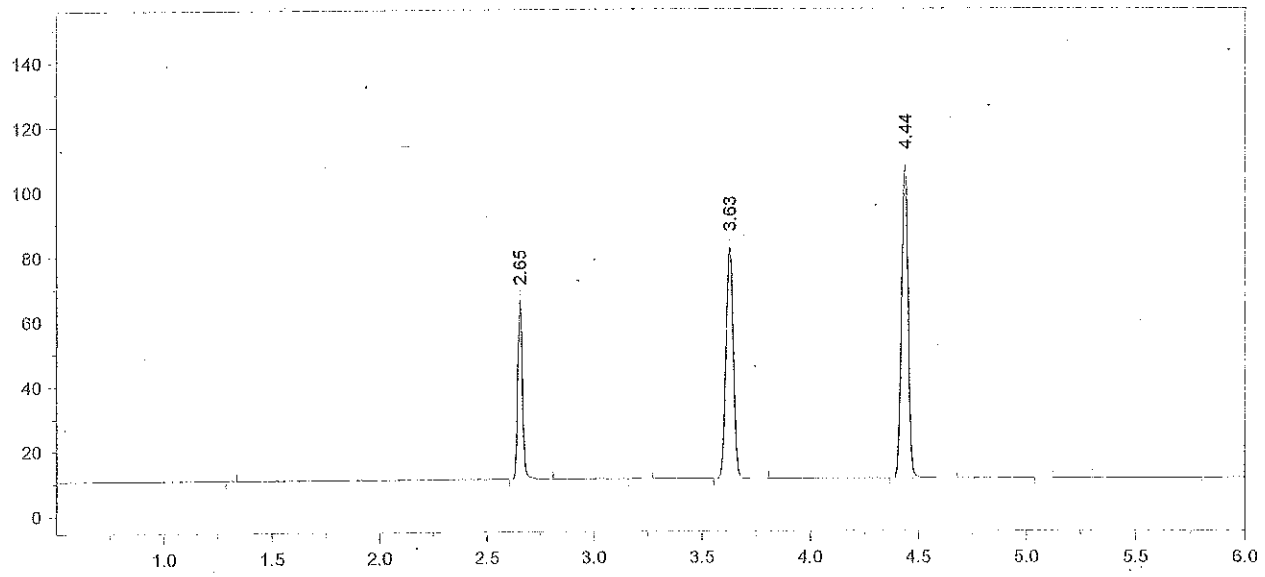
Format File Name = simsolnVFL.met.FMT

Today's Date = 7/9/2014 Today's Time = 2:42:30 AM
Bound File Name = SIM07082014.0063.RAW
Sample Name = 0.4 ALB
Date Taken = 7/9/2014 2:42:20 AM 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	503561	0.5079	0.4145
4	3.63	t-Butanol	141570	0.9511	0.7763
5	4.44	n-Propanol	189964	1.0000	0.8162

14-09-400 79 KEM

Chrom Perfect Chromatogram Report



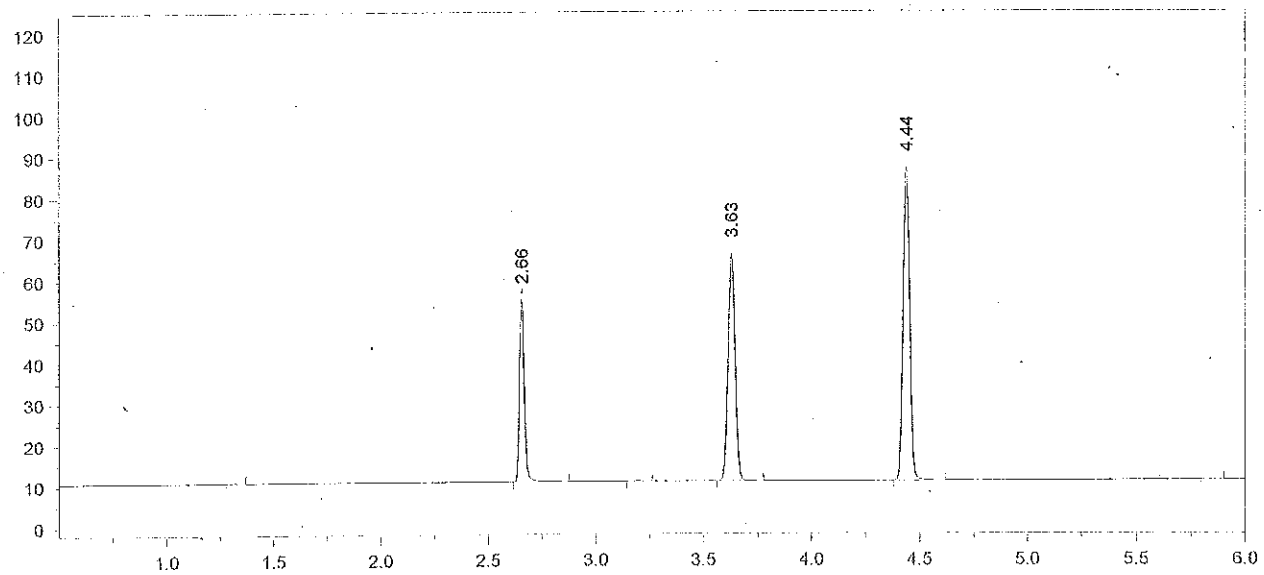
Format File Name = AlcoholVFL.FMT

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

14-09-400 80 Kem

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

14-09-400

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