VERMONT FORENSIC LABORATORY

Simulator Solution
~~BLOOD ALCOHOL~~ DATA REVIEW CHECKLIST
6/27/14

Lot #
6/27/14 ~~AGENCY CASE#:~~ 14-06-160 ANALYST: JLB
~~LAB #:~~

TECHNICAL REVIEWER: RZM DATE: 6/27/14

- ☑ 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: TLGA DATE: 6/30/2014

- 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?
- ☒ Are all pages numbered and initialed on the Examination Documents?
- ☒ 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: TLGA DATE: 6/30/2014

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

Check Mark or X = pass, NA= Not Applicable

VERMONT FORENSIC LABORATORY

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FAX: 802-241-5557
http://vfl.vermont.gov

Certificate of Analysis of DataMaster Certification Solution

On 6/25/2014, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 14-06-160 and an expiration date of 6/25/2015.

On 6/25/2014 and 6/26/2014, the solution was analyzed against calibration VFL06252014 and VFL06262014. 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 0.158 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Waterbury, Vermont on Friday, June 27, 2014.

Amanda Bolduc

VERMONT FORENSIC LABORATORY
Simulator Solution Worksheet

0.160 Certification Standard 2L
Lot # 14-06-160
Prepared 6/25/2014 by ALB
Exp 6/25/2015

ALB CAL VFL06252014
RLM/ALB Vials
Analyzed on 6/25/2014

0.1561	alb
0.1592	
0.1569	
0.1592	
0.1557	
0.1607	
0.1552	
0.1572	rlm
0.1545	
0.1572	
0.1552	
0.1580	
0.1542	
0.1581	

Ave. = 0.1570
Std Dev. = 0.0019
Range = 0.1542 - 0.1607

ALB Cal VFL06262014
RLM/ALB Vials
Analyzed on 6/26/2014

0.1577	alb
0.1586	
0.1580	
0.1608	
0.1581	
0.1605	
0.1588	
0.1588	rlm
0.1558	
0.1597	
0.1563	
0.1588	
0.1556	
0.1597	

Ave. = 0.1584
Std Dev. = 0.0016
Range = 0.1556 - 0.1608

Total Values from Both Runs

Average	Mean
0.1542	0.1542
0.1545	0.1545
0.1552	0.1552
0.1552	
0.1557	0.1556
0.1561	0.1557
0.1569	0.1558
0.1572	0.1561
0.1572	0.1563
0.1580	0.1569
0.1581	0.1572
0.1592	
0.1592	0.1577
0.1607	0.1580
0.1556	
0.1558	0.1581
0.1563	
0.1577	0.1586
0.1580	0.1588
0.1581	
0.1586	
0.1588	0.1592
0.1588	
0.1588	0.1597
0.1597	
0.1597	0.1605
0.1605	0.1607
0.1608	0.1608

Ave. =	0.1577
Avg Std Dev. =	0.0019
Mean =	0.1575
Mean Std Dev. =	0.0021
Range =	0.1542 - 0.1608
RPD =	4.18%

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File Name: C:\Methods\VFL06252014.CAL
Version: 7

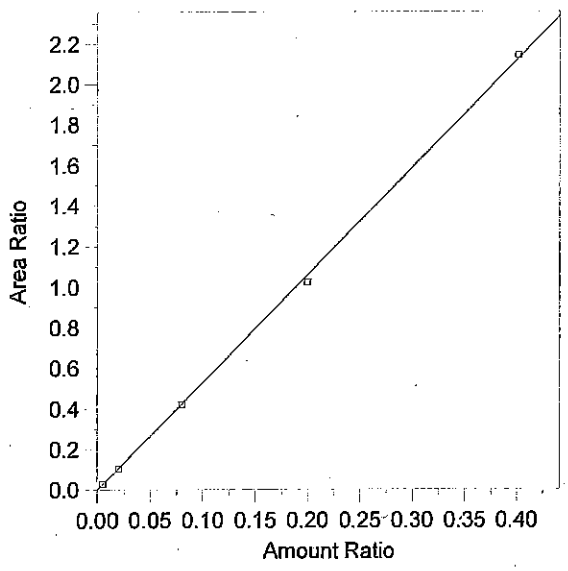
Creator:
Description:
Reason for change:

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

Single peak quantification by area

Y = 5.298144 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9994763
Average error:	2.865%
Average CF:	5.332108
RSD:	4.318%

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	5478.869	1118137	7.908	0.0049	2.801389E-02	C:\Alcohol Data\VFL06252014\VFL06252014.0003.BND	6/25/2014 3:12:23 PM
3	0.0197	22038.81	1118721	-1.663	0.0197	0.1026375	C:\Alcohol Data\VFL06252014\VFL06252014.0004.BND	6/25/2014 3:30:07 PM
4	0.0801	85997.18	1073623	-0.542	0.0801	0.4220799	C:\Alcohol Data\VFL06252014\VFL06252014.0005.BND	6/25/2014 3:43:22 PM
5	0.1998	215839.8	1080279	-3.354	0.1998	1.023067	C:\Alcohol Data\VFL06252014\VFL06252014.0006.BND	6/25/2014 3:59:45 PM
6	0.4011	416547.7	1038513	0.857	0.4011	2.14329	C:\Alcohol Data\VFL06252014\VFL06252014.0007.BND	6/25/2014 4:15:15 PM

14-06-160 2 AB

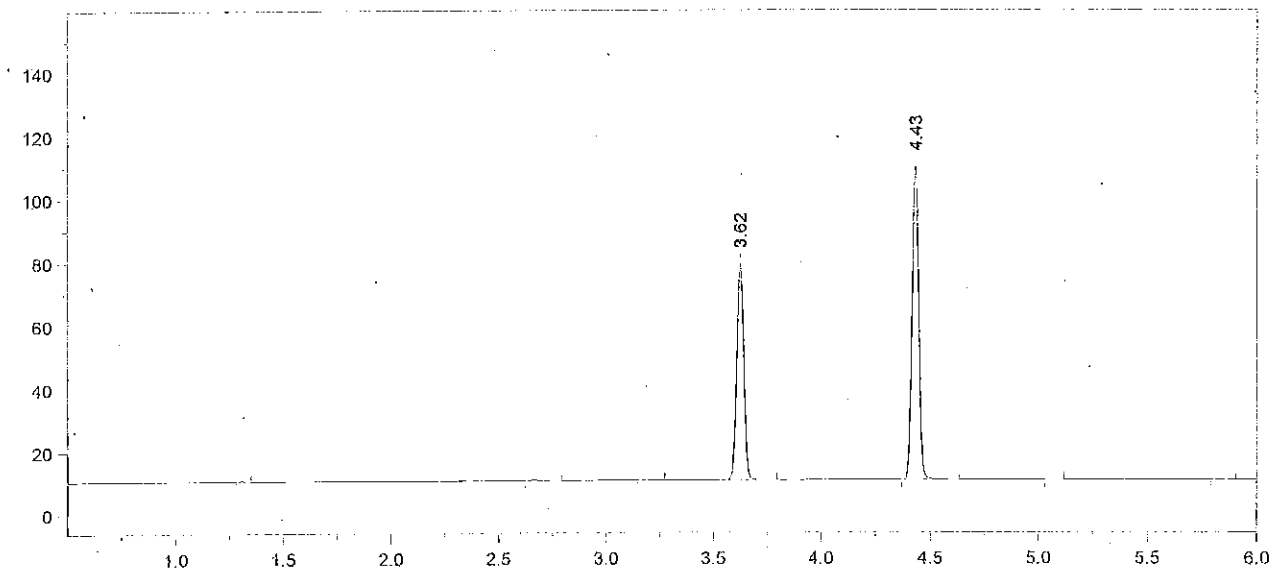
File Name = C:\Alcohol Data\VFL06252014\VFL06252014.SEQ
Version = 2
File Date = 6/25/2014 2:05:54 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL06252014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL06252014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL06252014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	VFL06252014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	VFL06252014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	VFL06252014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	VFL06252014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	VFL06252014.0008.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
9	VFL06252014.0009.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
10	VFL06252014.0010.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
11	VFL06252014.0011.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
12	VFL06252014.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL06252014.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL06252014.0014.raw	Blood Alc New VFL.MET	V14-1230 A1-1	1.00	1.00
15	VFL06252014.0015.raw	Blood Alc temp VFL.MET	V14-1230 A1-1	1.00	1.00
16	VFL06252014.0016.raw	simsoln.met	ALB 0.16	1.00	1.00
17	VFL06252014.0017.raw	simsoln.met	ALB 0.16	1.00	1.00
18	VFL06252014.0018.raw	simsoln.met	ALB 0.16	1.00	1.00
19	VFL06252014.0019.raw	simsoln.met	ALB 0.16	1.00	1.00
20	VFL06252014.0020.raw	simsoln.met	ALB 0.16	1.00	1.00
21	VFL06252014.0021.raw	simsoln.met	ALB 0.16	1.00	1.00
22	VFL06252014.0022.raw	simsoln.met	ALB 0.16	1.00	1.00
23	VFL06252014.0023.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
24	VFL06252014.0024.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
25	VFL06252014.0025.raw	simsoln.met	RLM 0.16	1.00	1.00
26	VFL06252014.0026.raw	simsoln.met	RLM 0.16	1.00	1.00
27	VFL06252014.0027.raw	simsoln.met	RLM 0.16	1.00	1.00
28	VFL06252014.0028.raw	simsoln.met	RLM 0.16	1.00	1.00
29	VFL06252014.0029.raw	simsoln.met	RLM 0.16	1.00	1.00
30	VFL06252014.0030.raw	simsoln.met	RLM 0.16	1.00	1.00
31	VFL06252014.0031.raw	simsoln.met	RLM 0.16	1.00	1.00
32	VFL06252014.0032.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
33	VFL06252014.0033.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

Case work samples not included 6/26/14 [illegible]

WB QC Cliniqa 1212090
ES - 06162014
TMX - 08122013
IS - 03202014
AQ QC Cerilliant FN021111-03
6/26/14 [illegible]

14-06-160 3 [illegible]



Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:02 AM
Bound File Name = VFL06252014.0001.RAW
Sample Name = Blank
Date Taken = 6/25/2014 2:41:02 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.62	t-Butanol	157865	0.9611
5	4.43	n-Propanol	211011	1.0000

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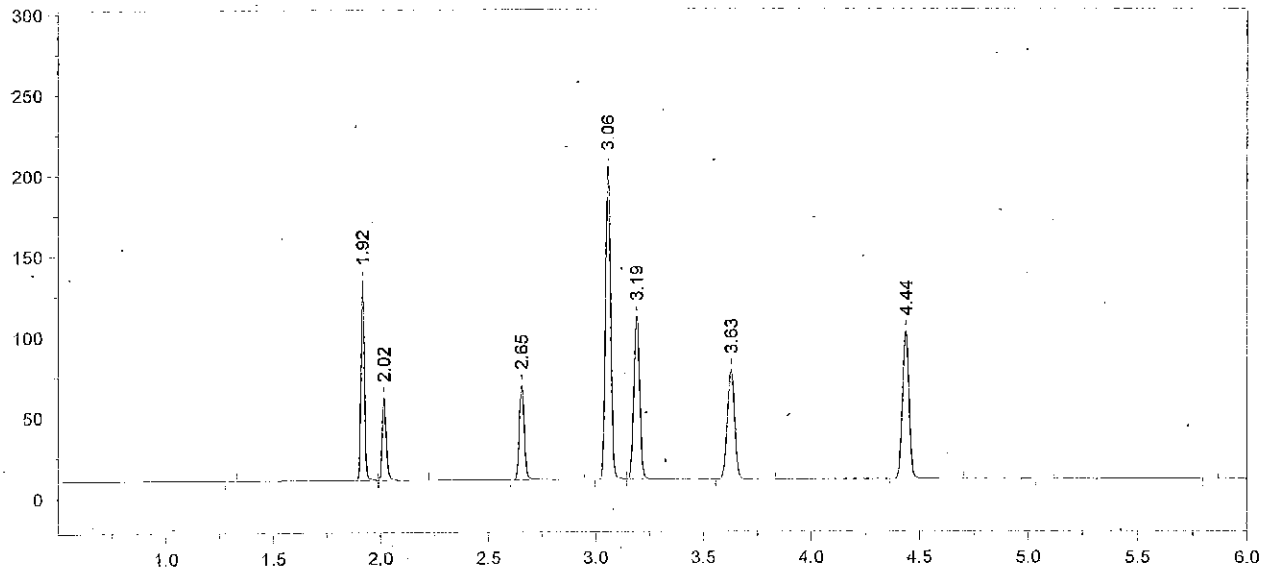
Chrom Perfect Chromatogram Report

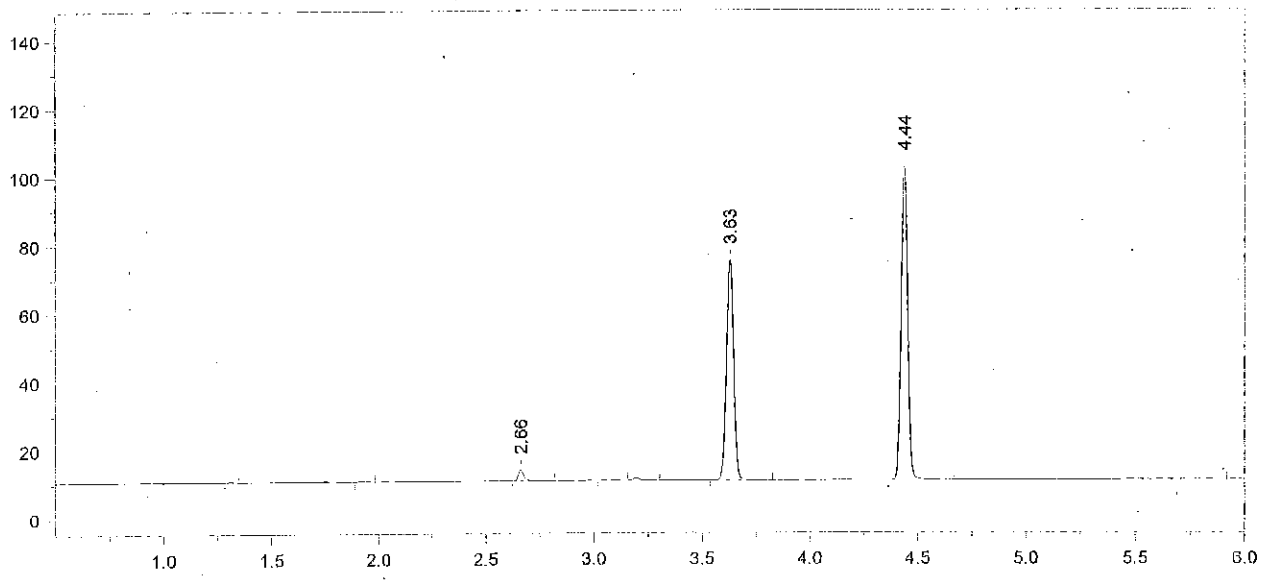


Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:17 AM
Bound File Name = VFL06252014.0002.RAW
Sample Name = TMX
Date Taken = 6/25/2014 2:58:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	143507	0.0520
3	2.02	Methanol	65479	0.1370
4	2.65	Ethanol	91452	0.0884
5	3.06	Acetone	331674	0.0940
6	3.19	Isopropanol	189014	0.0850
7	3.63	t-Butanol	157064	1.0339
8	4.44	n-Propanol	195157	1.0000

14-06-160 5 [illegible]



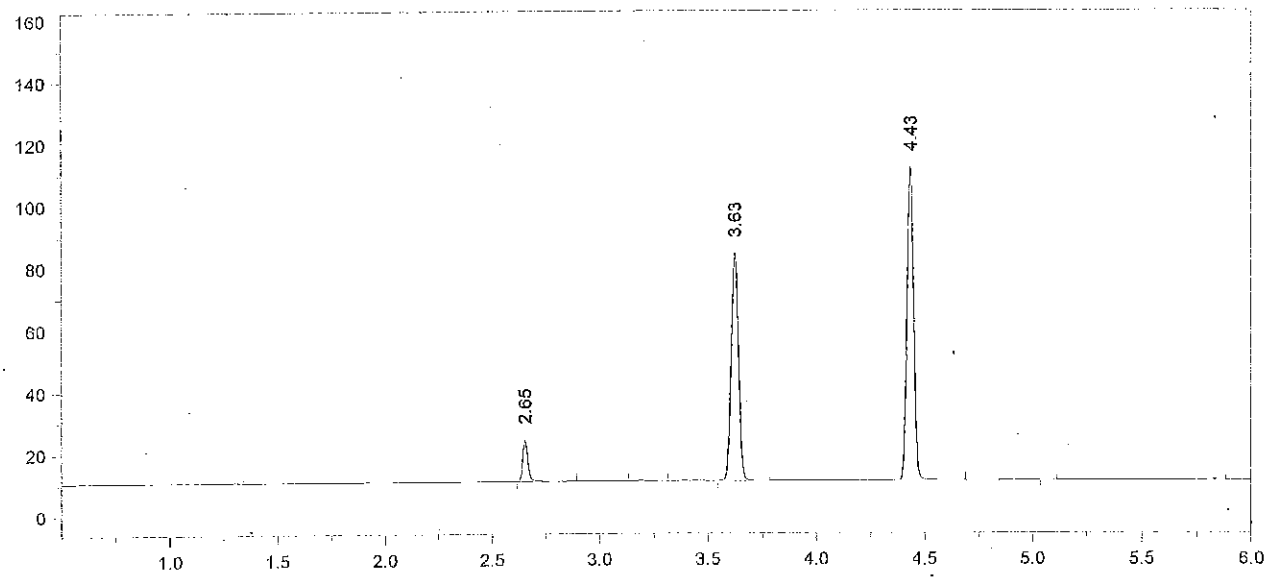
Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:26 AM
Bound File Name = VFL06252014.0003.RAW
Sample Name = STD A
Date Taken = 6/25/2014 3:12:19 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05479	0.0053
6	3.63	t-Butanol	149410	0.9814
7	4.44	n-Propanol	195577	1.0000

14-06-160 6 SLB

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:33 AM
Bound File Name = VFL06252014.0004.RAW
Sample Name = STD B
Date Taken = 6/25/2014 3:29:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	22039	0.0194
5	3.63	t-Butanol	170175	1.0181
6	4.43	n-Propanol	214725	1.0000

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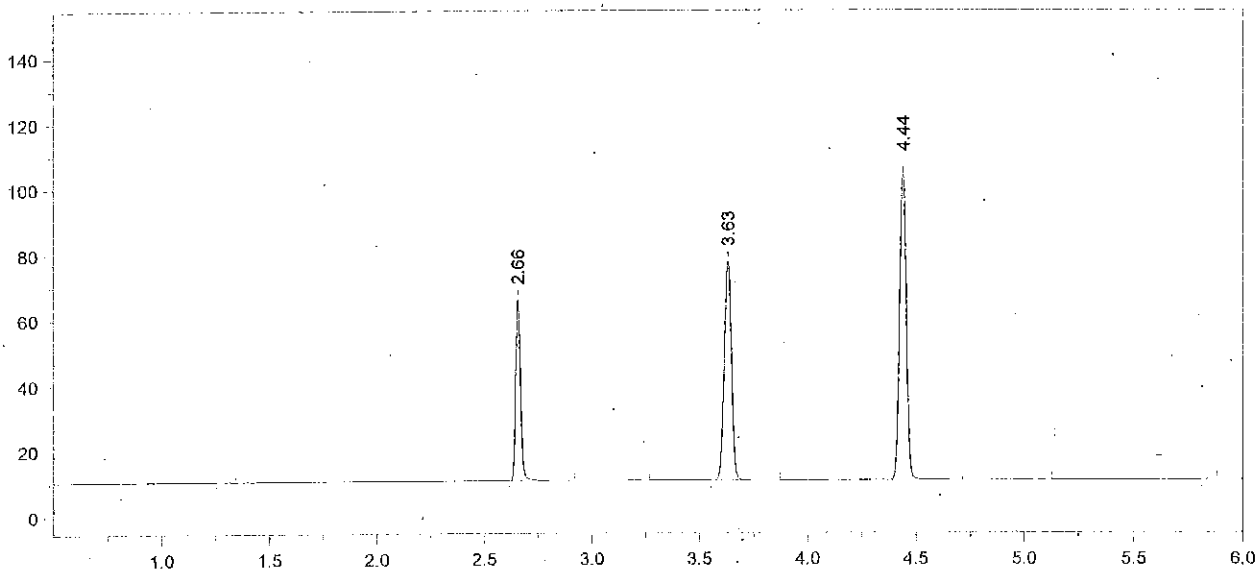

Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:42 AM
Bound File Name = VFL06252014.0005.RAW
Sample Name = STD C
Date Taken = 6/25/2014 3:43:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	85997	0.0797
4	3.63	t-Butanol	154310	0.9730
5	4.44	n-Propanol	203746	1.0000

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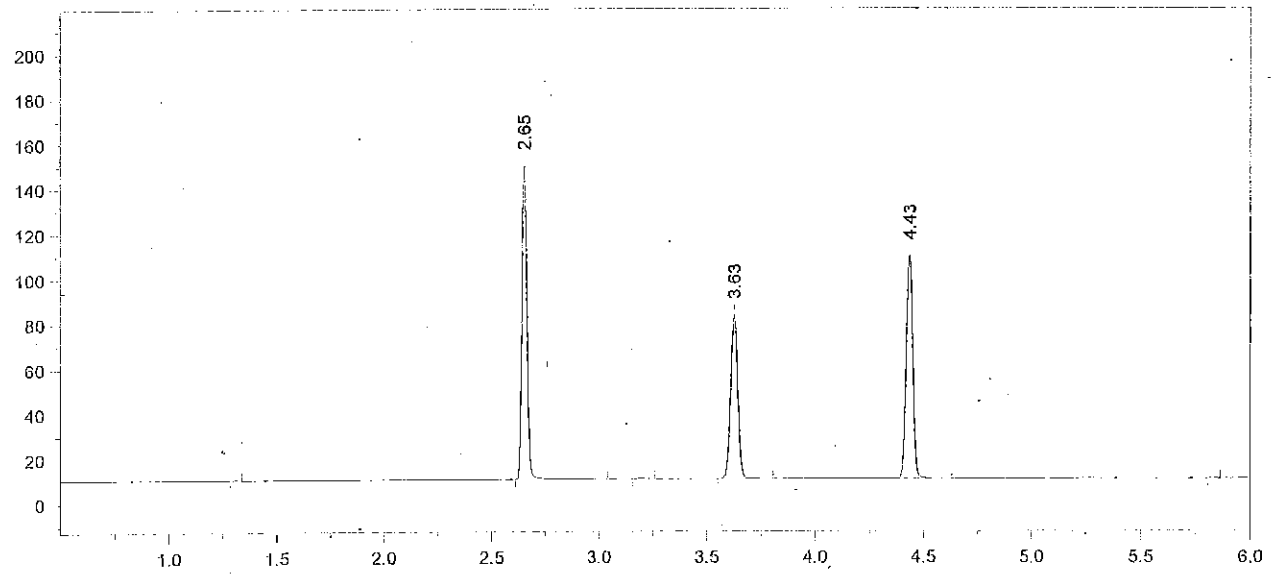

Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:50 AM
Bound File Name = VFL06252014.0006.RAW
Sample Name = STD D
Date Taken = 6/25/2014 3:59:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	215840	0.1931
4	3.63	t-Butanol	168806	1.0279
5	4.43	n-Propanol	210973	1.0000

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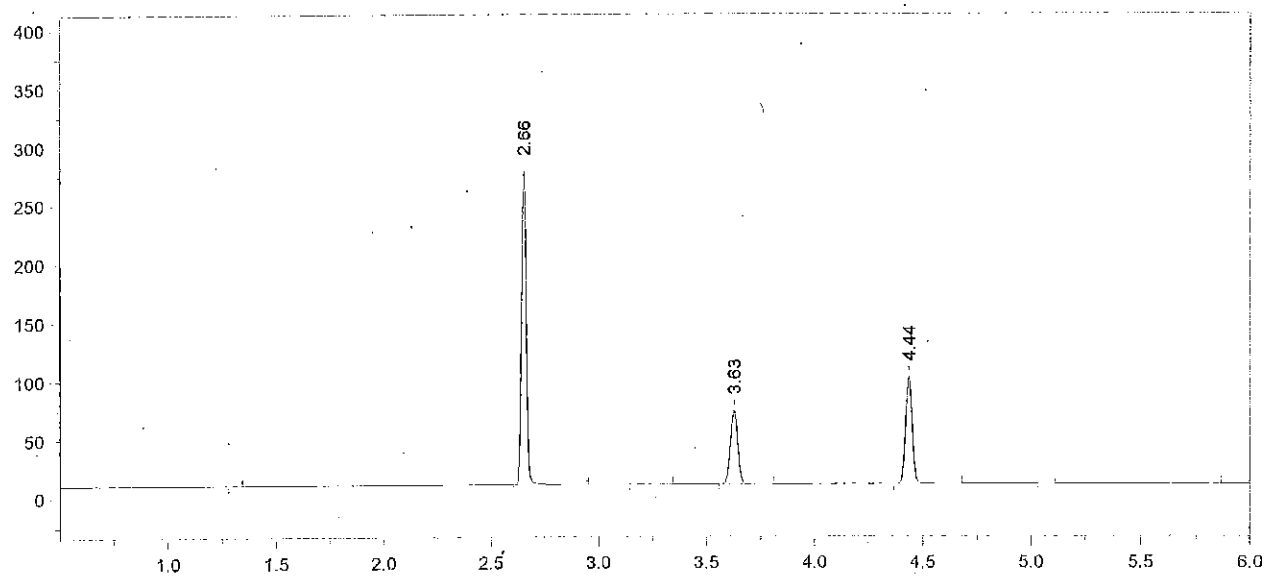
Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:41:58 AM
Bound File Name = VFL06252014.0007.RAW
Sample Name = STD E
Date Taken = 6/25/2014 4:15:10 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	416548	0.4045
4	3.63	t-Butanol	146098	0.9657
5	4.44	n-Propanol	194350	1.0000

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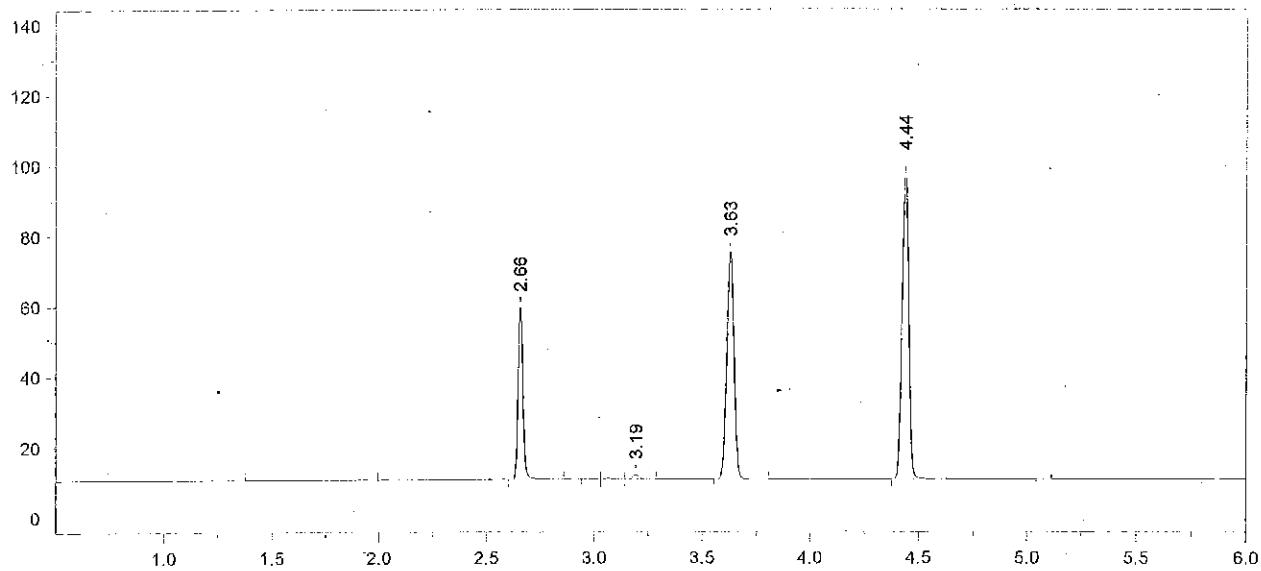
Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Today's Time = 4:31:18 PM
Bound File Name = VFL06252014.0008.RAW
Sample Name = WB QC
Date Taken = 6/25/2014 4:31:14 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	76757	0.0767
6	3.19	Isopropanol	02377	<0.004
7	3.63	t-Butanol	149526	1.0176
8	4.44	n-Propanol	188774	1.0000

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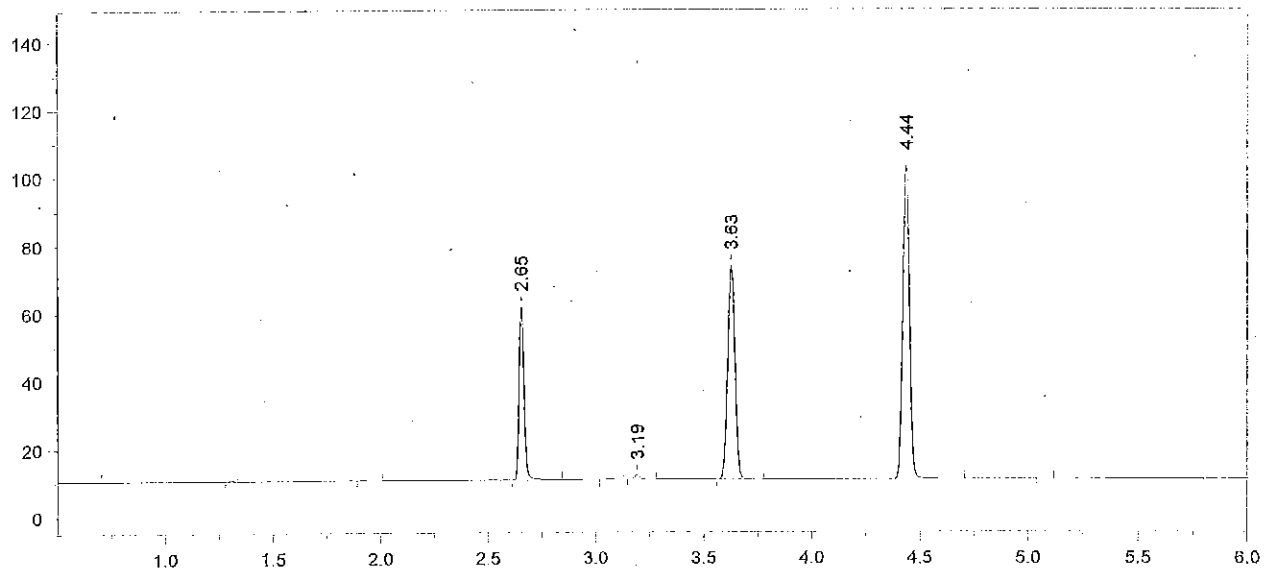
Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

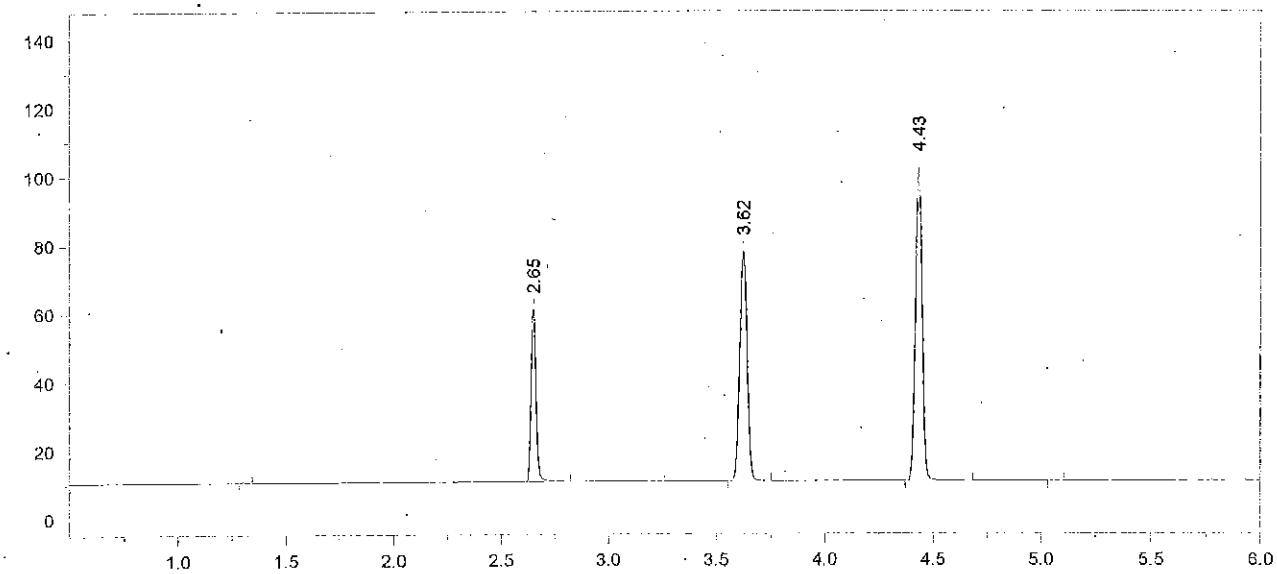
Today's Date = 6/25/2014
Today's Time = 4:45:35 PM
Bound File Name = VFL06252014.0009.RAW
Sample Name = WB QC
Date Taken = 6/25/2014 4:45:24 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	79956	0.0768
5	3.19	Isopropanol	02376	<0.004
6	3.63	t-Butanol	145595	0.9513
7	4.44	n-Propanol	196622	1.0000

Avg vials 8 + 9 = 0.077
TV = 0.080
96% recovery 6/26/14 [illegible]

14-06-160 12 [illegible]

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Today's Time = 5:02:47 PM
Bound File Name = VFL06252014.0010.RAW
Sample Name = AQ QC
Date Taken = 6/25/2014 5:02:38 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	78229	0.0761
4	3.62	t-Butanol	155103	1.0273
5	4.43	n-Propanol	193951	1.0000

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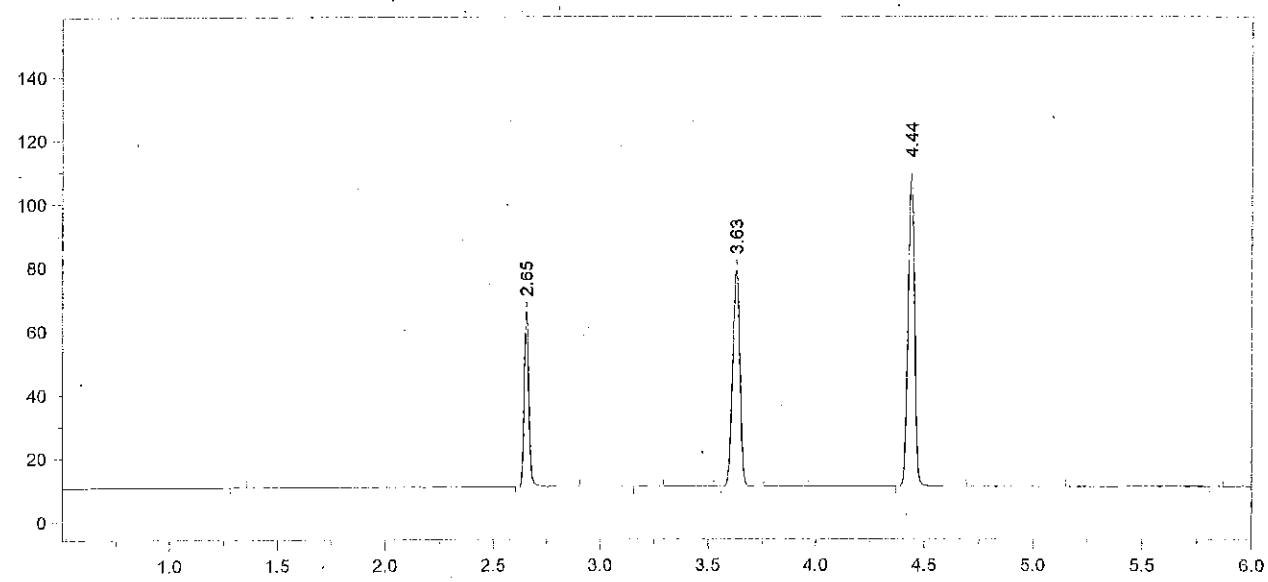


Format File Name = AlcoholVFL.FMT

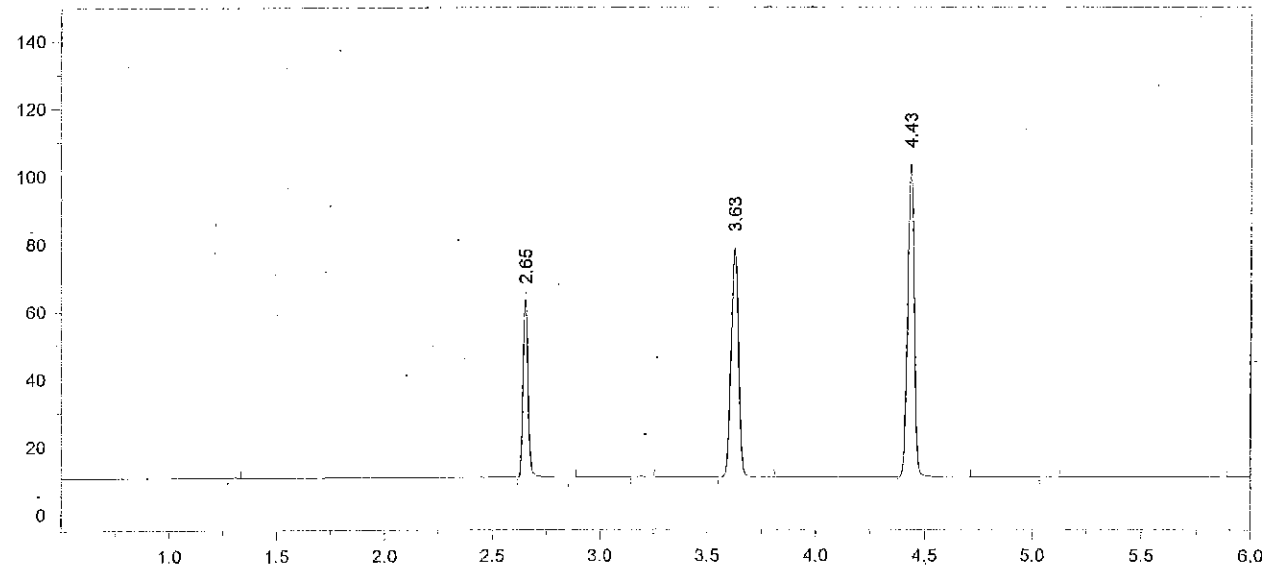
Today's Date = 6/25/2014
Today's Time = 5:16:38 PM
Bound File Name = VFL06252014.0011.RAW
Sample Name = AQ QC
Date Taken = 6/25/2014 5:16:31 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	86917	0.0782
4	3.63	t-Butanol	158266	0.9692
5	4.44	n-Propanol	209772	1.0000

Avg vials 10 + 11 = 0.077
TV = 0.080
96% recovery 6/26/14 [illegible]

14-06-160 14 [illegible]

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Today's Time = 5:34:07 PM
Bound File Name = VFL06252014.0012.RAW
Sample Name = ~~AQ QC~~ CCS 6/26/14 ab
Date Taken = 6/25/2014 5:34:03 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82651	0.0794
4	3.63	t-Butanol	157623	1.0305
5	4.43	n-Propanol	196506	1.0000

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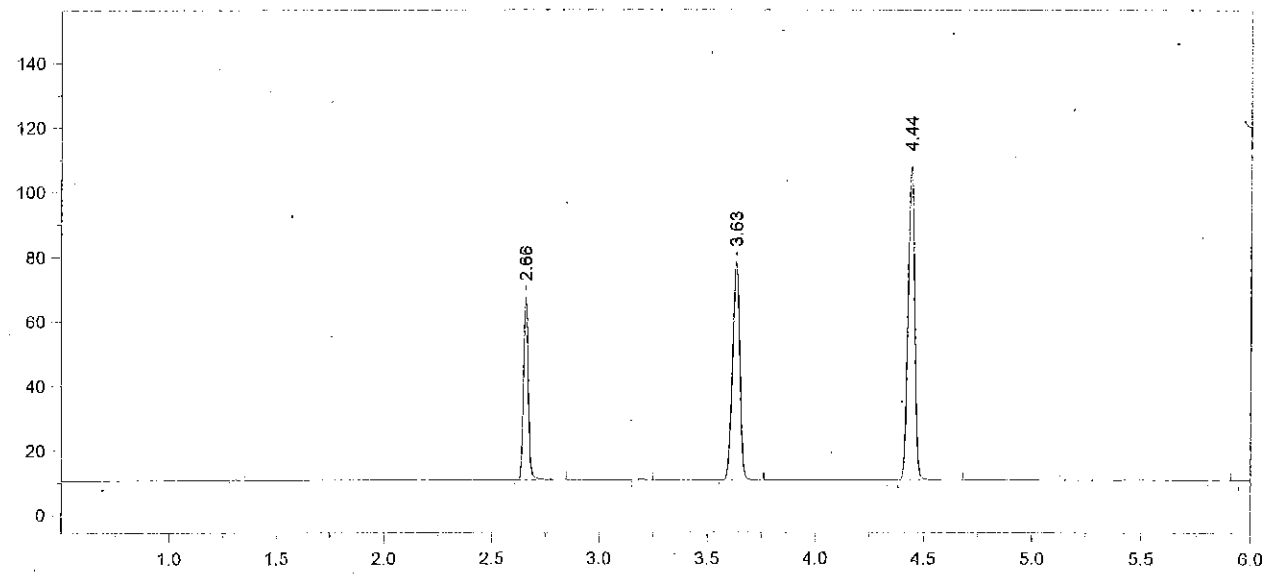


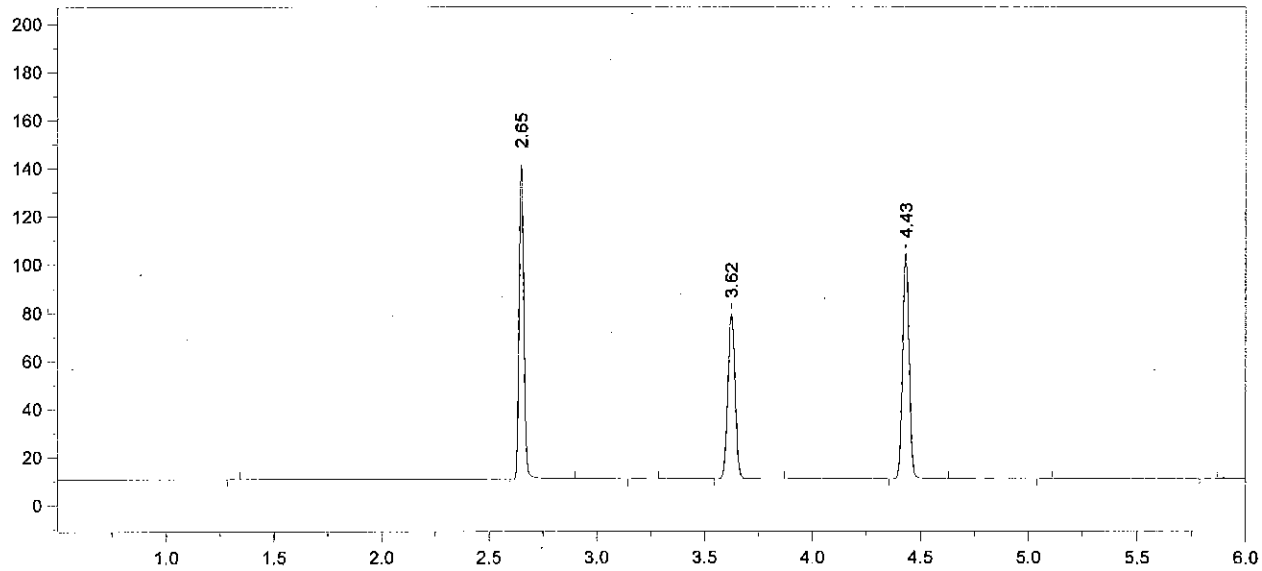
Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Today's Time = 5:47:29 PM
Bound File Name = VFL06252014.0013.RAW
Sample Name = CCS
Date Taken = 6/25/2014 5:47:20 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	88191	0.0807
4	3.63	t-Butanol	155956	0.9719
5	4.44	n-Propanol	206144	1.0000

Avg vials 12 + 13 = 0.080
6/26/14 [illegible]

14-06-160 16 [illegible]

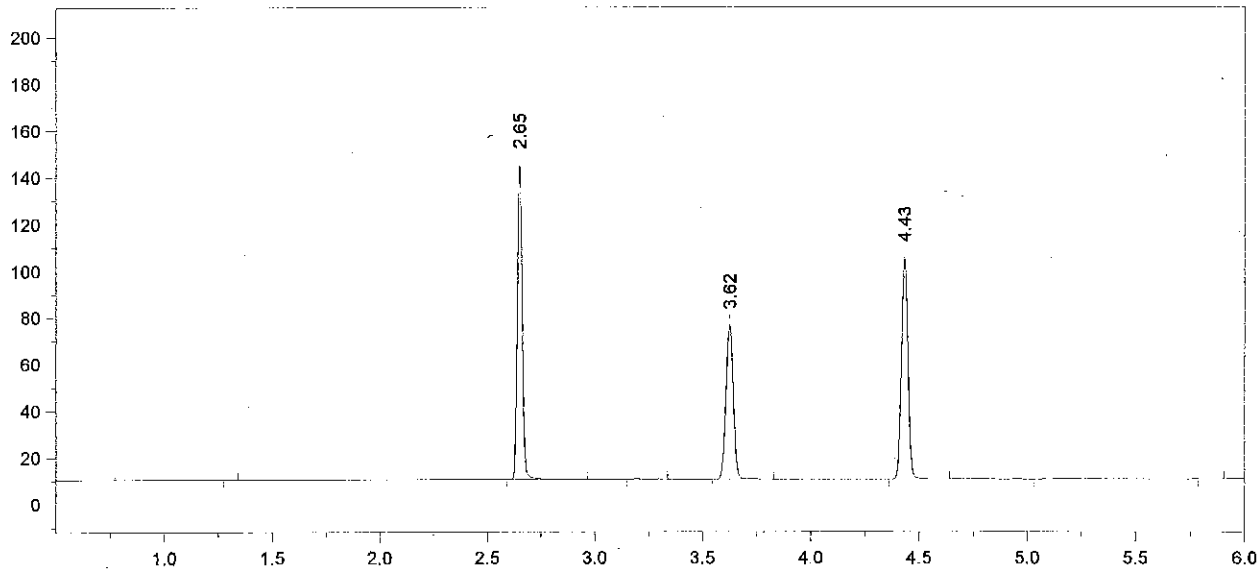


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/26/2014
Today's Time = 7:52:14 AM
Bound File Name = VFL06252014.0016.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 6:35:18 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	201647	0.1913	0.1561
4	3.62	t-Butanol	159013	1.0268	0.8381
5	4.43	n-Propanol	198950	1.0000	0.8162

14-06-160 17

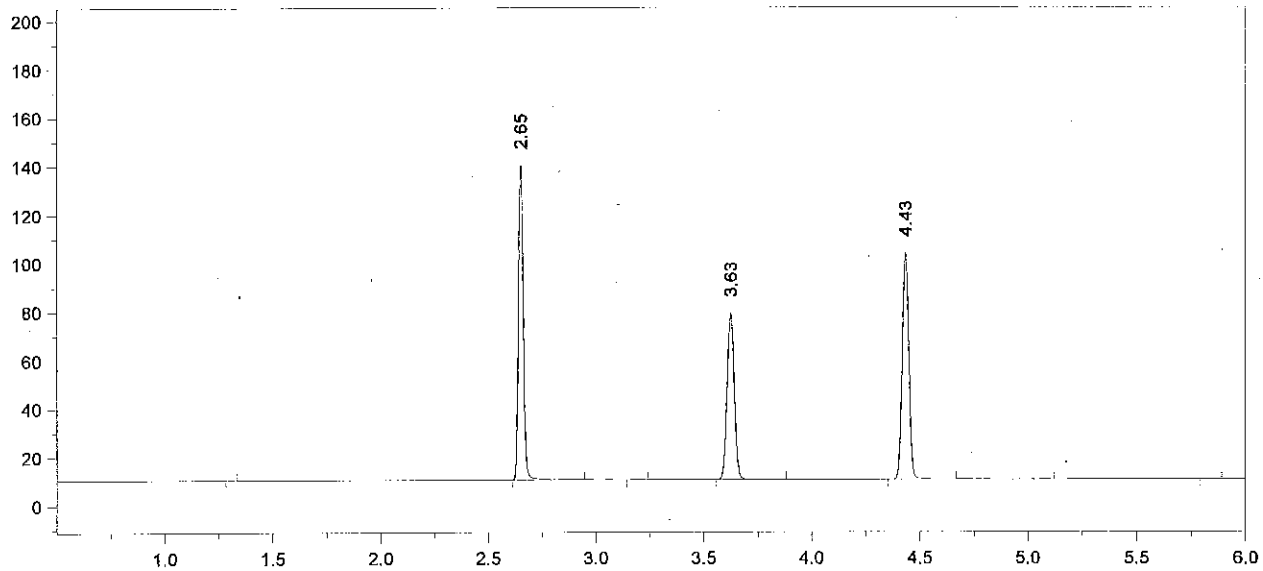


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 6:49:10 PM
Bound File Name = VFL06252014.0017.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 6:49:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	208176	0.1950	0.1592
4	3.62	t-Butanol	153148	0.9766	0.7971
5	4.43	n-Propanol	201466	1.0000	0.8162

14-06-160 18 A13

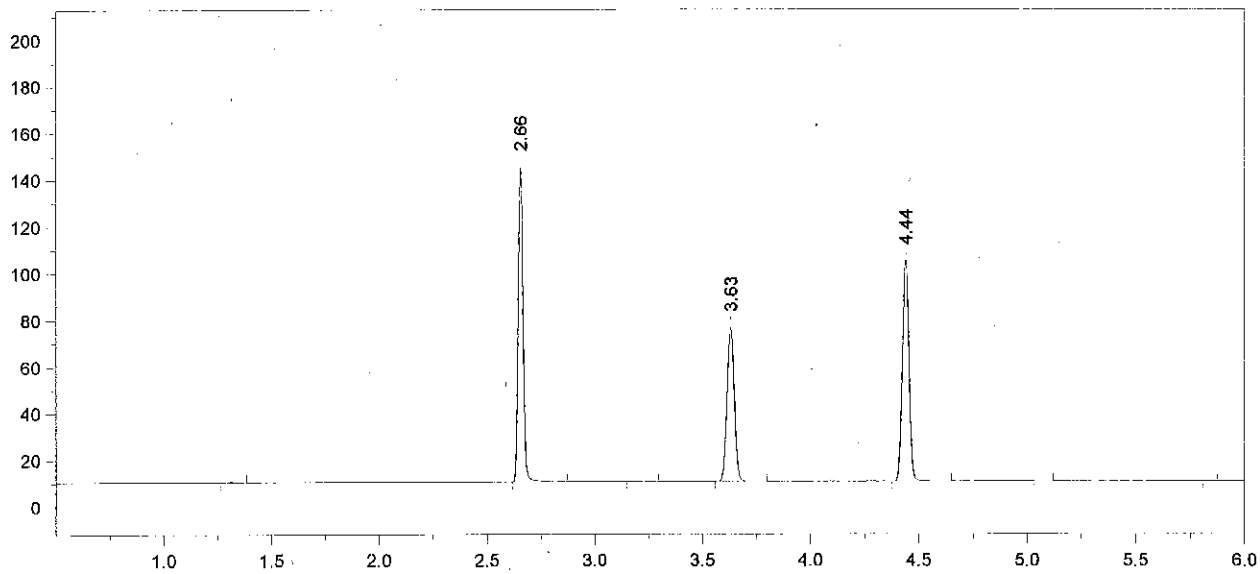


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 7:06:50 PM
Bound File Name = VFL06252014.0018.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 7:06:43 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	202224	0.1922	0.1569
4	3.63	t-Butanol	159334	1.0306	0.8412
5	4.43	n-Propanol	198612	1.0000	0.8162

14-06-160 19 [illegible]

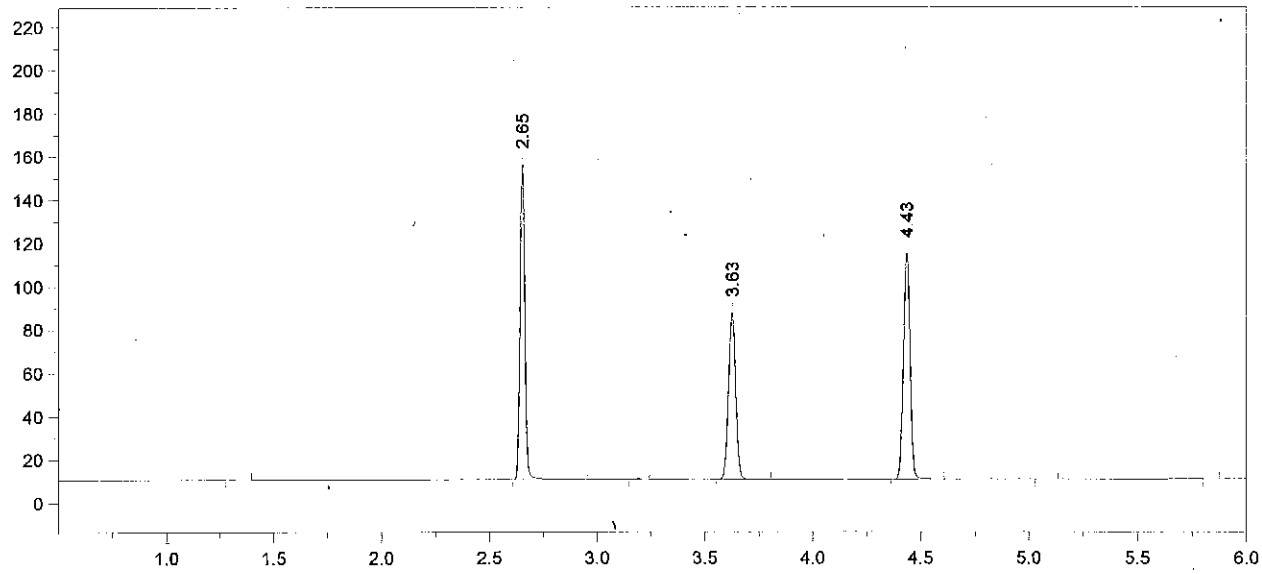


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 7:20:43 PM
Bound File Name = VFL06252014.0019.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 7:20:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	207137	0.1951	0.1592
4	3.63	t-Butanol	152257	0.9761	0.7967
5	4.44	n-Propanol	200396	1.0000	0.8162

14-06-160 20 AK3

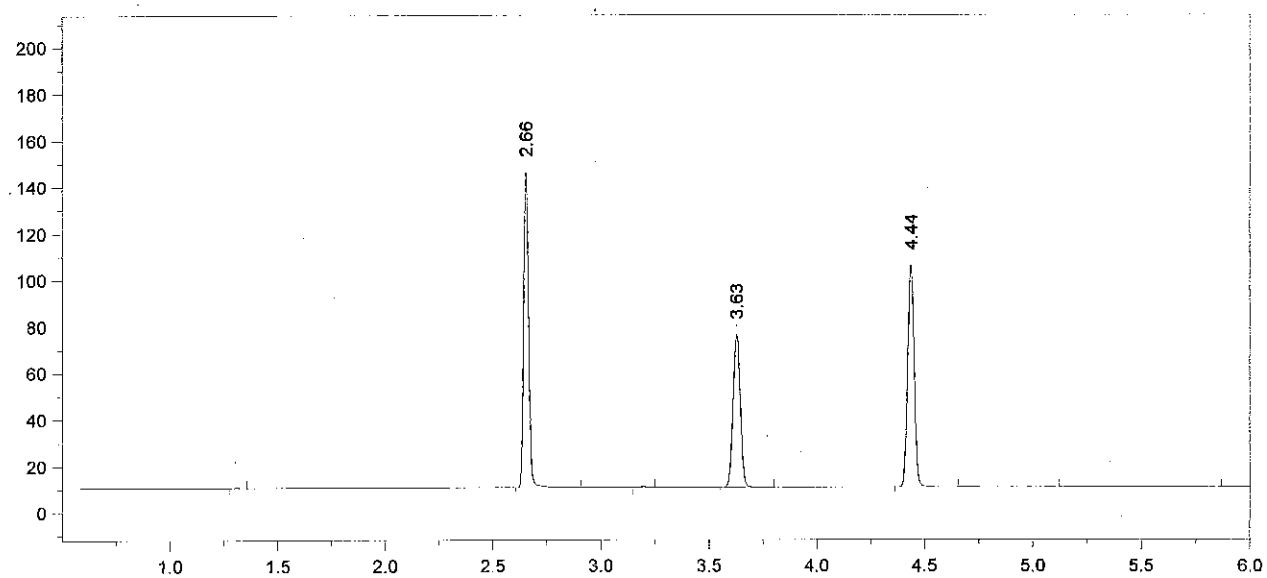


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 7:36:36 PM
Bound File Name = VFL06252014.0020.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 7:36:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	224378	0.1908	0.1557
4	3.63	t-Butanol	178085	1.0308	0.8414
5	4.43	n-Propanol	221935	1.0000	0.8162

14-06-160 21 AB



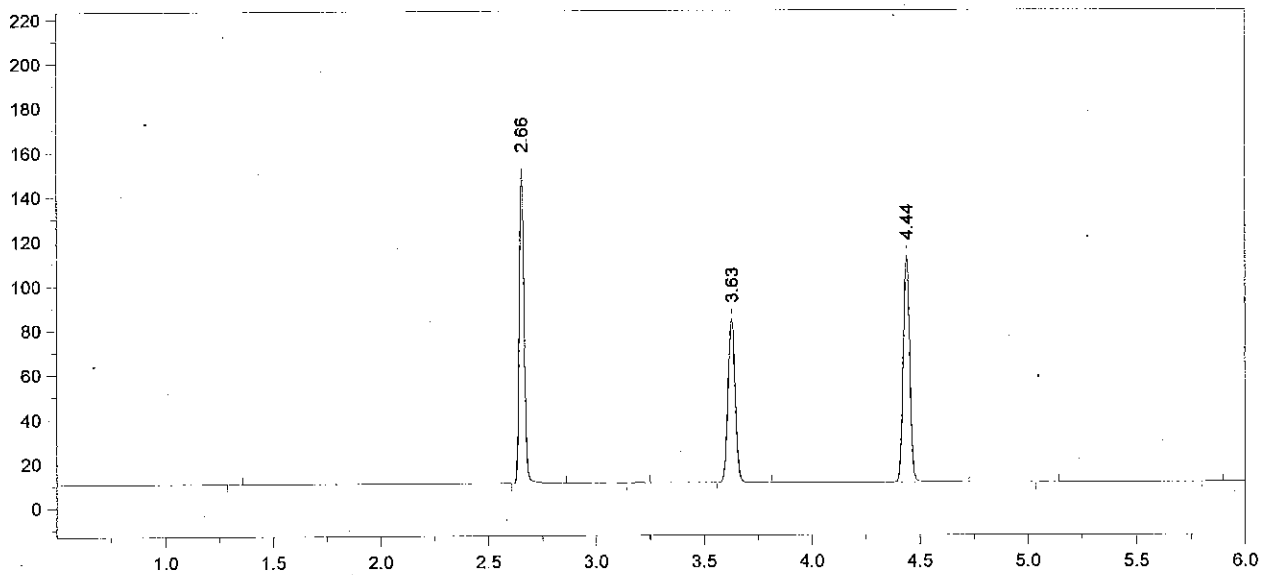
Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 7:51:52 PM
Bound File Name = VFL06252014.0021.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 7:51:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	210785	0.1969	0.1607
4	3.63	t-Butanol	152271	0.9683	0.7903
5	4.44	n-Propanol	202024	1.0000	0.8162

14-06-160 22

Chrom Perfect Chromatogram Report

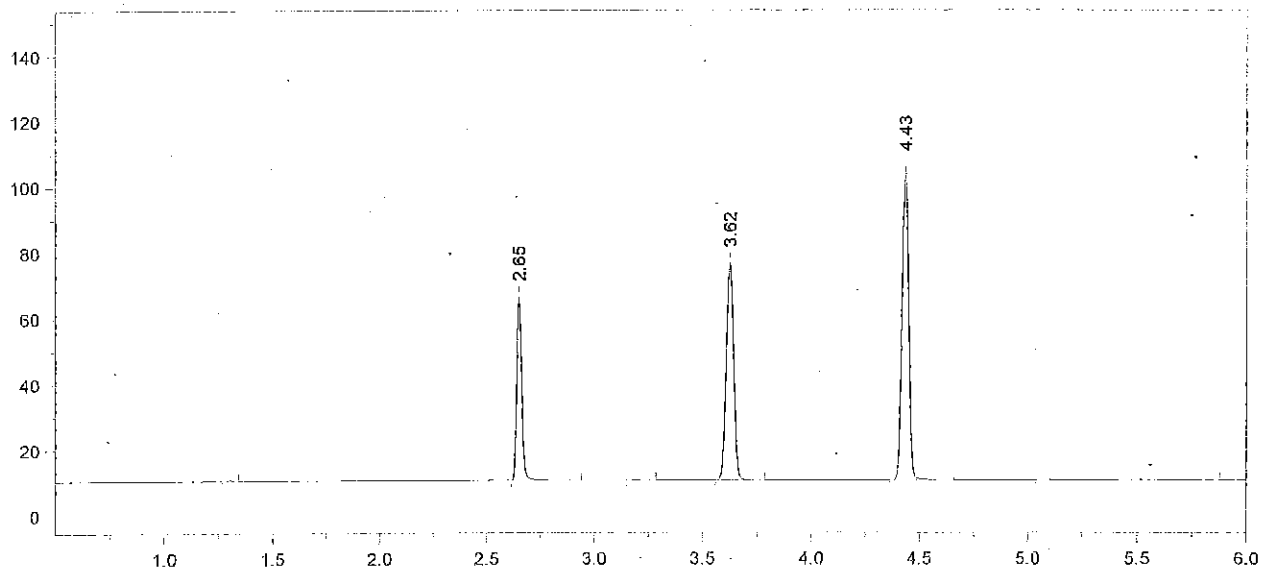


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 8:08:09 PM
Bound File Name = VFL06252014.0022.RAW
Sample Name = ALB 0.16
Date Taken = 6/25/2014 8:07:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	218987	0.1902	0.1552
4	3.63	t-Butanol	170852	1.0100	0.8244
5	4.44	n-Propanol	217315	1.0000	0.8162

14-06-16D 23



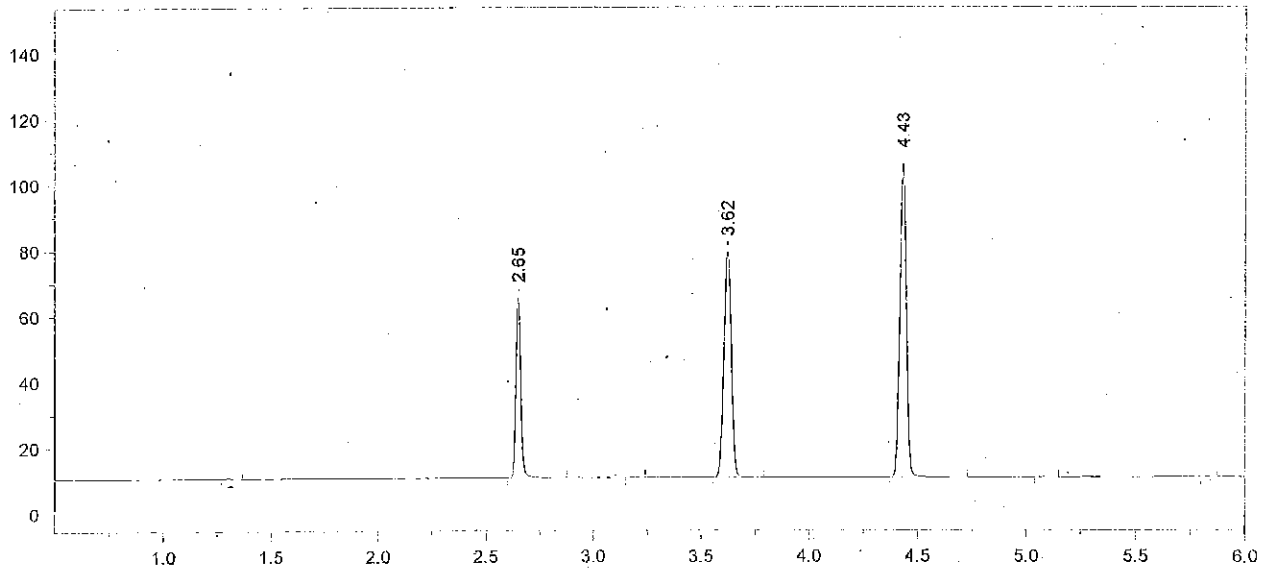
Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:54:35 AM
Bound File Name = VFL06252014.0023.RAW
Sample Name = CCS
Date Taken = 6/25/2014 8:21:34 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87509	0.0816
4	3.62	t-Butanol	153587	0.9746
5	4.43	n-Propanol	202457	1.0000

14-06-160 24 [illegible]

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Bound File Name = VFL06252014.0024.RAW
Sample Name = CCS
Date Taken = 6/25/2014 8:39:23 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL

Today's Time = 8:39:29 PM

VFL Headspace Alcohol

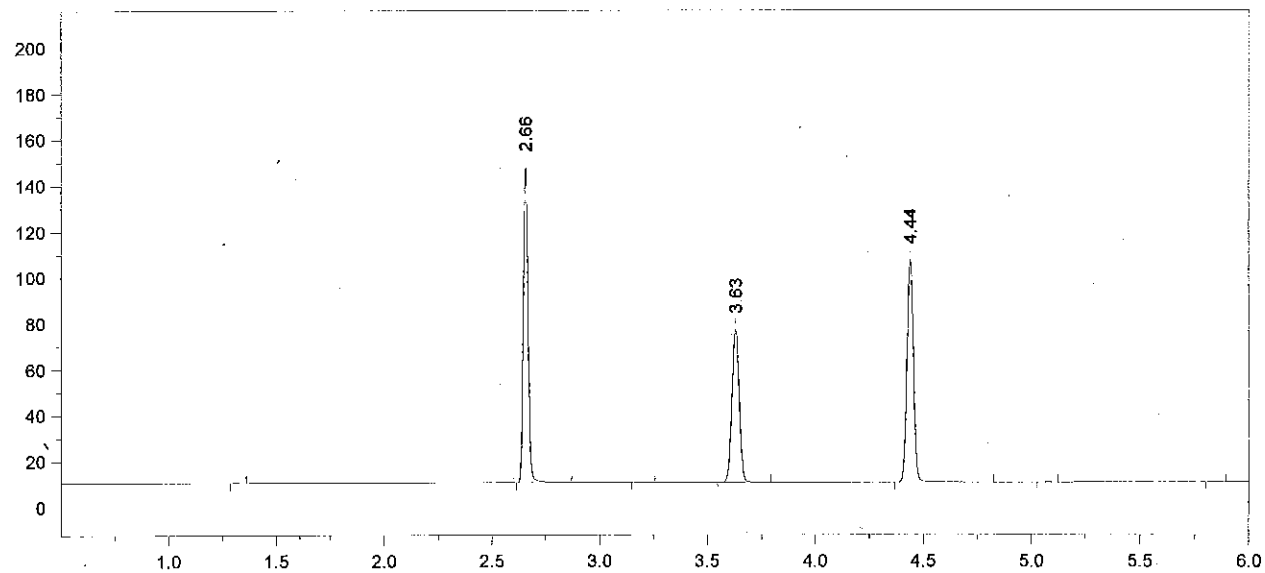
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85656	0.0800
4	3.62	t-Butanol	159268	1.0123
5	4.43	n-Propanol	202119	1.0000

Avg vials 23 + 24 = ~~0.086~~ 0.081 AB 6/26/14

6/26/14 AB

14-06-160 25 AB

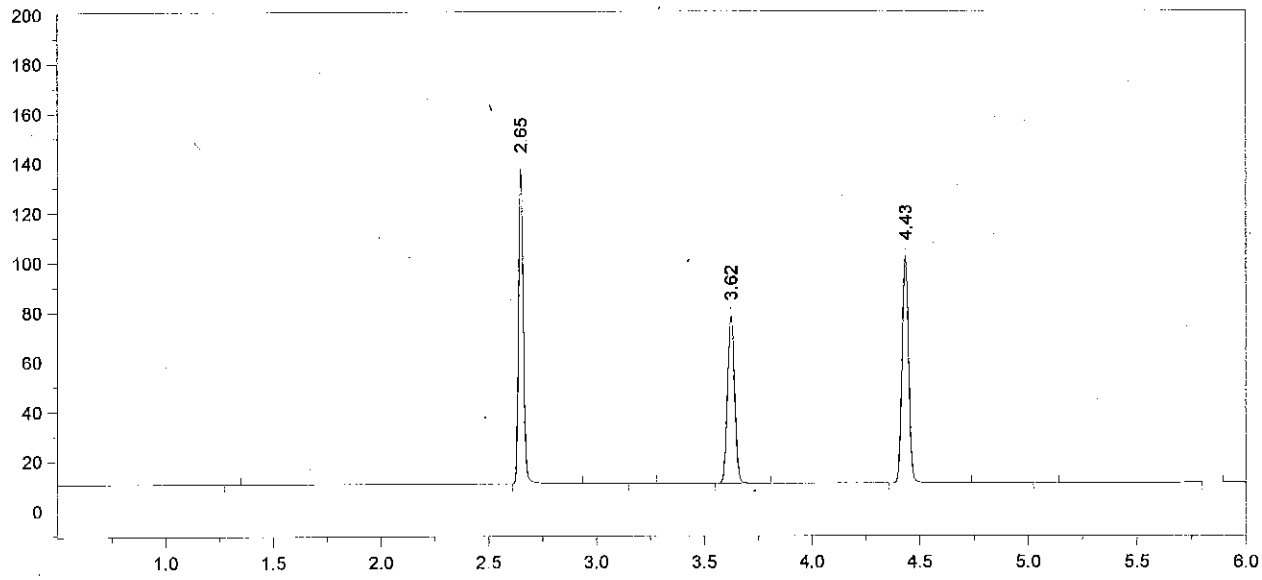


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/26/2014 Today's Time = 7:55:53 AM
Bound File Name = VFL06252014.0025.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 8:53:23 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	210224	0.1927	0.1572
4	3.63	t-Butanol	154212	0.9619	0.7851
5	4.44	n-Propanol	205959	1.0000	0.8162

14-06-160 26 AB

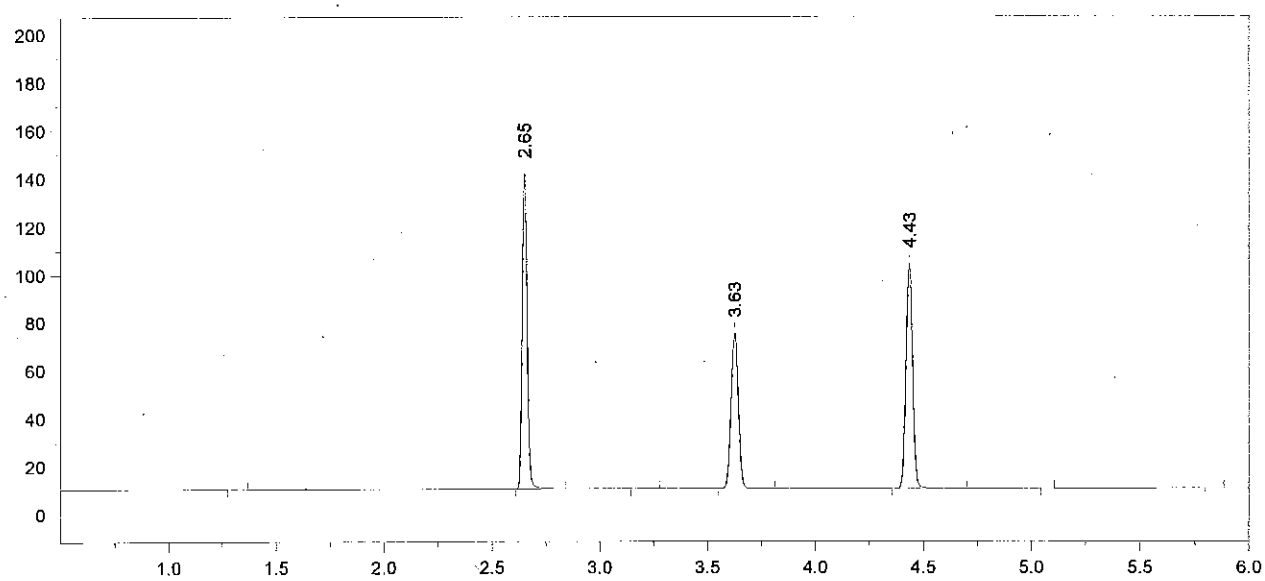


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 9:10:58 PM
Bound File Name = VFL06252014.0026.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 9:10:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	195122	0.1893	0.1545
4	3.62	t-Butanol	156079	1.0304	0.8410
5	4.43	n-Propanol	194598	1.0000	0.8162

14-06-160 27 [illegible]



Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Bound File Name = VFL06252014.0027.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 9:24:05 PM
Method file = simsoln.met
Calibration file = VFL06252014.CAL

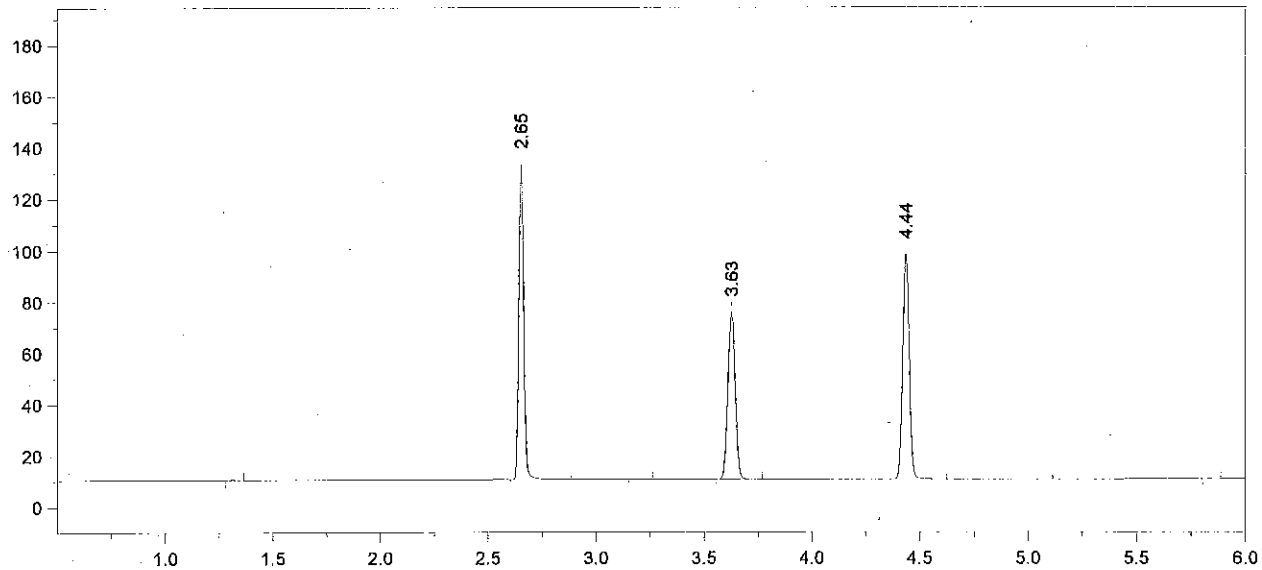
Today's Time = 9:24:10 PM

VDH Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	203672	0.1925	0.1572
4	3.63	t-Butanol	150174	0.9663	0.7887
5	4.43	n-Propanol	199650	1.0000	0.8162

14-06-160

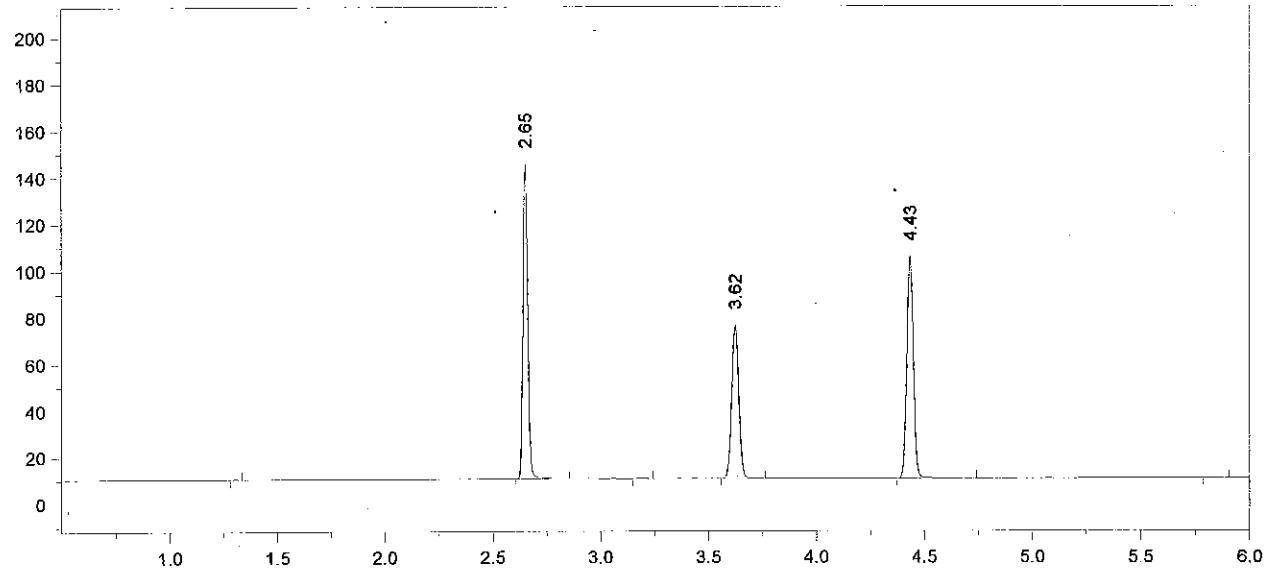


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 9:42:15 PM
Bound File Name = VFL06252014.0028.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 9:42:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	188185	0.1902	0.1552
4	3.63	t-Butanol	150482	1.0350	0.8448
5	4.44	n-Propanol	186784	1.0000	0.8162

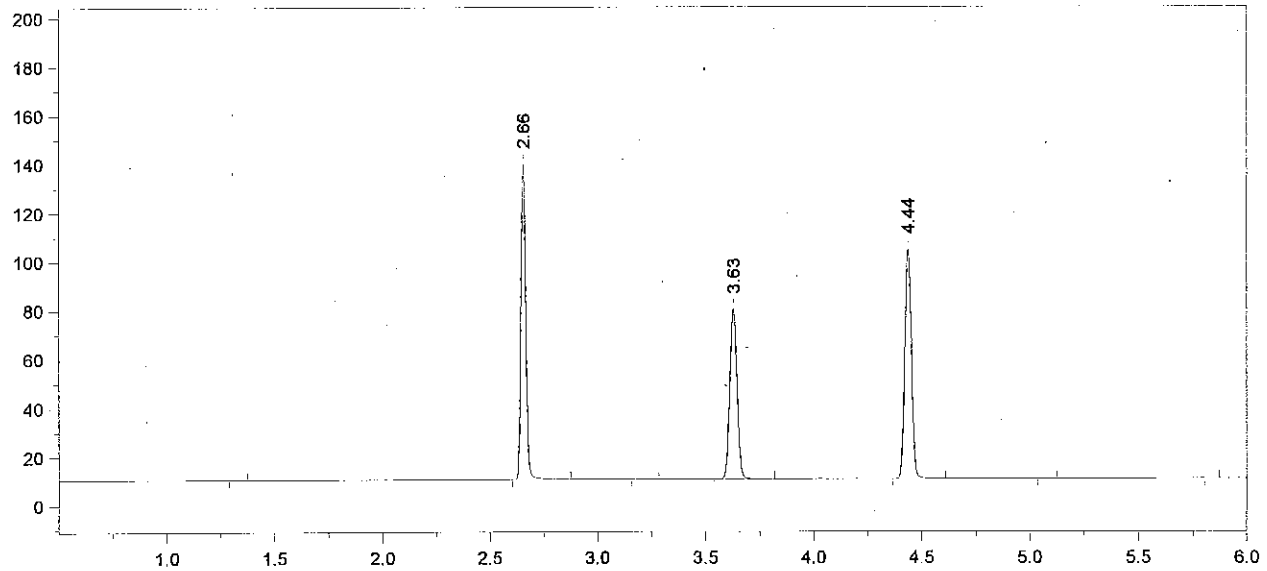
14-06-140 79



Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Today's Time = 9:56:19 PM
Bound File Name = VFL06252014.0029.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 9:56:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	206907	0.1936	0.1580
4	3.62	t-Butanol	151747	0.9664	0.7888
5	4.43	n-Propanol	201713	1.0000	0.8162



Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Bound File Name = VFL06252014.0030.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 10:13:34 PM
Method file = simsoln.met
Calibration file = VFL06252014.CAL

Today's Time = 10:13:40 PM

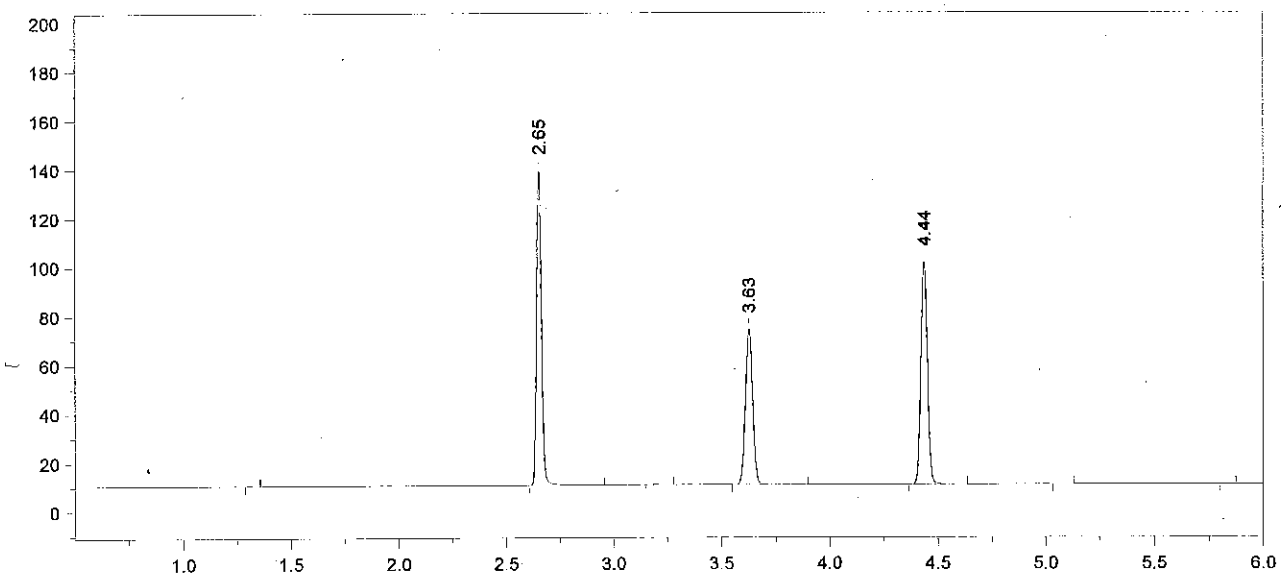
VDH Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	199093	0.1889	0.1542
4	3.63	t-Butanol	161358	1.0419	0.8504
5	4.44	n-Propanol	198947	1.0000	0.8162

14-06-160 31 AB

Chrom Perfect Chromatogram Report



Format File Name = simsolnVFL.met.FMT

Today's Date = 6/25/2014
Bound File Name = VFL06252014.0031.RAW
Sample Name = RLM 0.16
Date Taken = 6/25/2014 10:27:29 PM
Method file = simsoln.met
Calibration file = VFL06252014.CAL

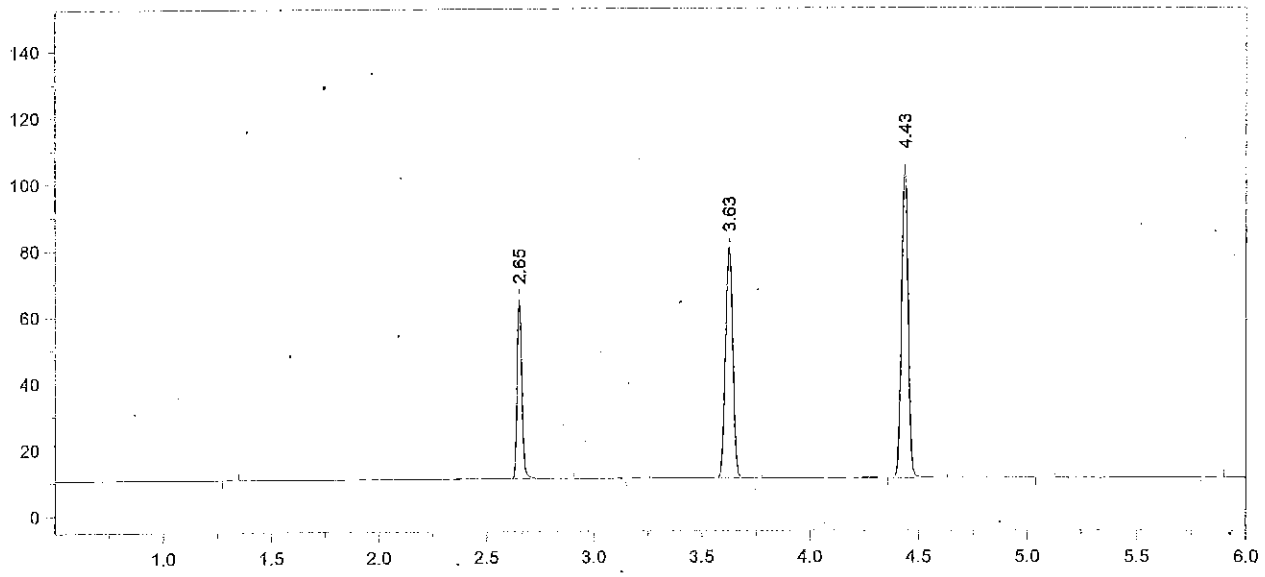
Today's Time = 10:27:33 PM

VDH Headspace Alcohol

Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	198267	0.1937	0.1581
4	3.63	t-Butanol	147411	0.9803	0.8001
5	4.44	n-Propanol	193173	1.0000	0.8162

14-06-160 32 Av3

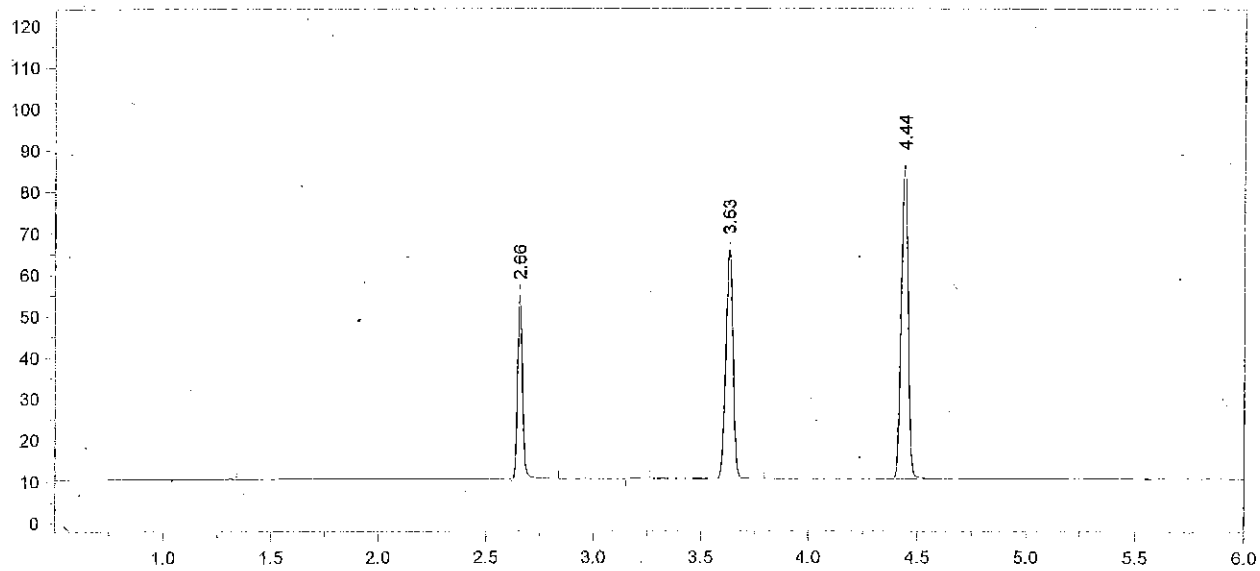


Format File Name = AlcoholVFL.FMT

Today's Date = 6/26/2014
Today's Time = 7:57:01 AM
Bound File Name = VFL06252014.0032.RAW
Sample Name = CCS
Date Taken = 6/25/2014 10:45:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84477	0.0797
4	3.63	t-Butanol	160764	1.0322
5	4.43	n-Propanol	200090	1.0000

14-06-160 33 AB



Format File Name = AlcoholVFL.FMT

Today's Date = 6/25/2014
Today's Time = 10:58:50 PM
Bound File Name = VFL06252014.0033.RAW
Sample Name = CCS
Date Taken = 6/25/2014 10:58:41 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06252014.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	68966	0.0804
4	3.63	t-Butanol	128010	1.0157
5	4.44	n-Propanol	161914	1.0000

Avg vals 32+33 = 0.080 6/26/14

6/26/14

14-06-160 34

File Name = C:\Alcohol Data\SIM06262014\SIM06262014.SEQ
Version = 1
File Date = 6/26/2014 2:20:41 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM06262014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	SIM06262014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	SIM06262014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	SIM06262014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	SIM06262014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	SIM06262014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	SIM06262014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	SIM06262014.0008.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
9	SIM06262014.0009.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
10	SIM06262014.0010.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
11	SIM06262014.0011.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
12	SIM06262014.0012.raw	simsoln.met	ALB 0.160	1.00	1.00
13	SIM06262014.0013.raw	simsoln.met	ALB 0.160	1.00	1.00
14	SIM06262014.0014.raw	simsoln.met	ALB 0.160	1.00	1.00
15	SIM06262014.0015.raw	simsoln.met	ALB 0.160	1.00	1.00
16	SIM06262014.0016.raw	simsoln.met	ALB 0.160	1.00	1.00
17	SIM06262014.0017.raw	simsoln.met	ALB 0.160	1.00	1.00
18	SIM06262014.0018.raw	simsoln.met	ALB 0.160	1.00	1.00
19	SIM06262014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	SIM06262014.0020.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
21	SIM06262014.0021.raw	simsoln.met	RLM 0.160	1.00	1.00
22	SIM06262014.0022.raw	simsoln.met	RLM 0.160	1.00	1.00
23	SIM06262014.0023.raw	simsoln.met	RLM 0.160	1.00	1.00
24	SIM06262014.0024.raw	simsoln.met	RLM 0.160	1.00	1.00
25	SIM06262014.0025.raw	simsoln.met	RLM 0.160	1.00	1.00
26	SIM06262014.0026.raw	simsoln.met	RLM 0.160	1.00	1.00
27	SIM06262014.0027.raw	simsoln.met	RLM 0.160	1.00	1.00
28	SIM06262014.0028.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
29	SIM06262014.0029.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

AQ QC Cerilliant FN021111-03
TMX - 08122013
IS - 03202014
ES - 06162014
6/27/14 [illegible]

14-06-160 35 [illegible]

File Name: C:\Methods\VFL06262014.CAL
Version: 1

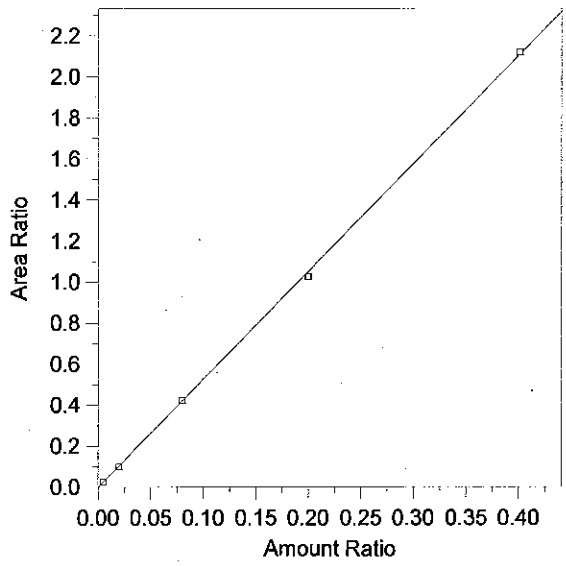
Creator:
Description:
Reason for change:

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

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

All levels are normal data points.

3 Ethanol



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

Single peak quantification by area

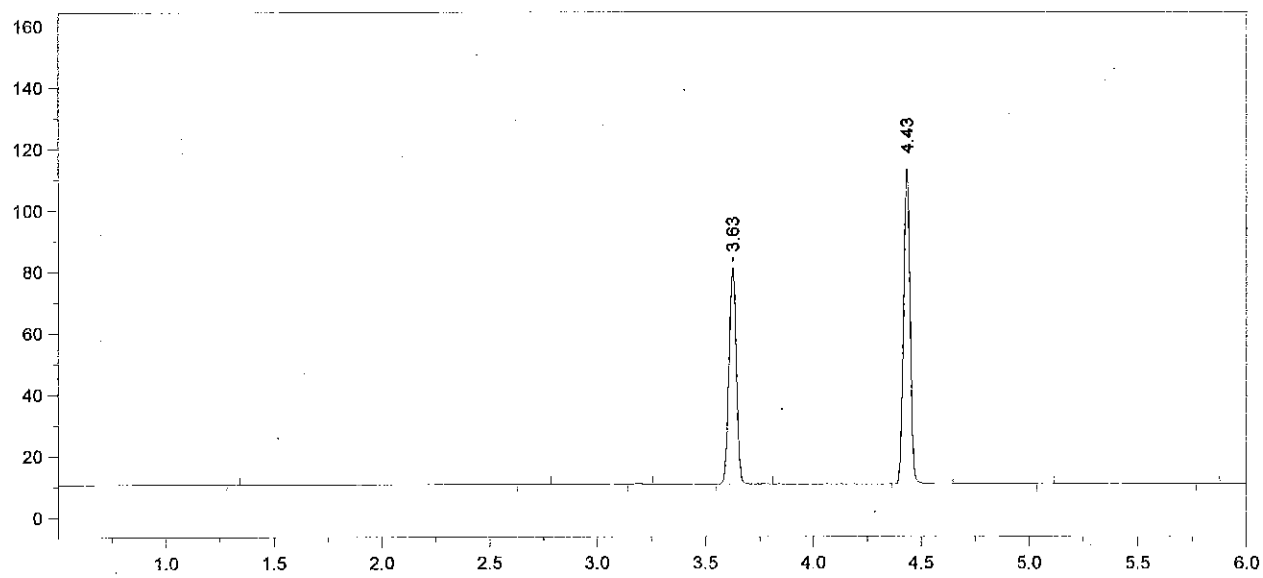
Y = 5.252911 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997299
Average error:	2.175%
Average CF:	5.258913
RSD:	3.001%

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	5381.74	1098314	4.725	0.0049	0.0269555	C:\Alcohol Data\SIM06262014\SIM06262014.0003.BND	6/26/2014 3:27:18 PM
3	0.0197	20009.16	1015693	-2.734	0.0197	0.100653	C:\Alcohol Data\SIM06262014\SIM06262014.0004.BND	6/26/2014 3:45:04 PM
4	0.0801	84338.65	1052917	0.409	0.0801	0.4224778	C:\Alcohol Data\SIM06262014\SIM06262014.0005.BND	6/26/2014 3:58:56 PM
5	0.1998	198556.9	993778.3	-2.418	0.1998	1.024153	C:\Alcohol Data\SIM06262014\SIM06262014.0006.BND	6/26/2014 4:16:32 PM
6	0.4011	433830.7	1081602	0.590	0.4011	2.119365	C:\Alcohol Data\SIM06262014\SIM06262014.0007.BND	6/26/2014 4:30:20 PM

14-06-160 36 AB

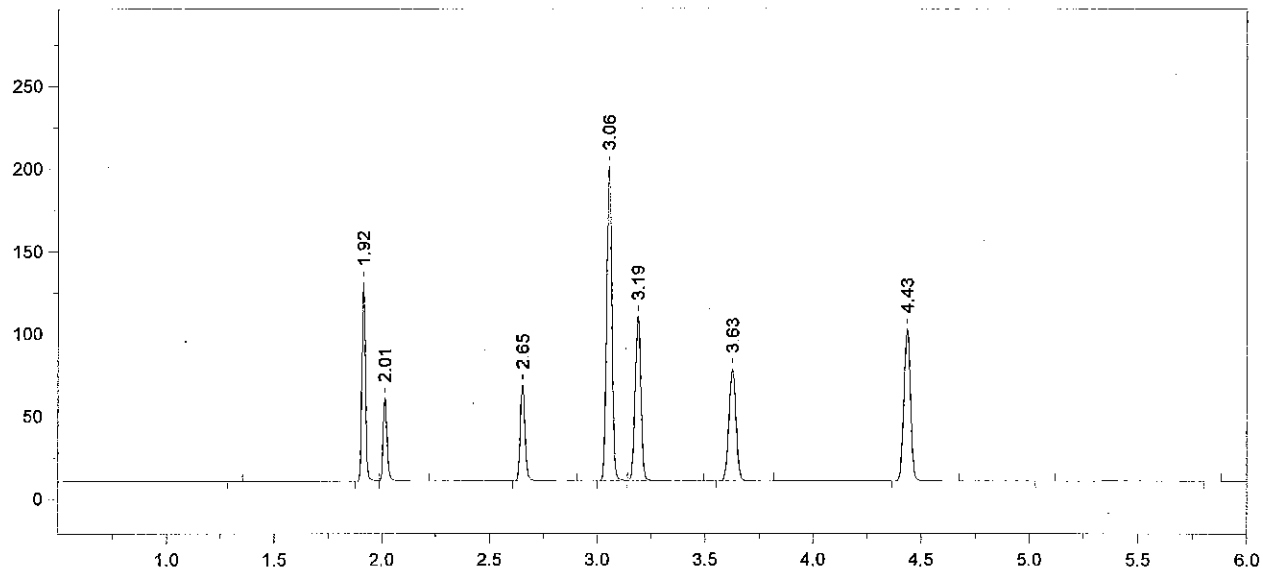


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:17 AM
Bound File Name = SIM06262014.0001.RAW
Sample Name = Blank
Date Taken = 6/26/2014 2:56:00 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	163110	0.9597
5	4.43	n-Propanol	218424	1.0000

14-06-160 37 SB

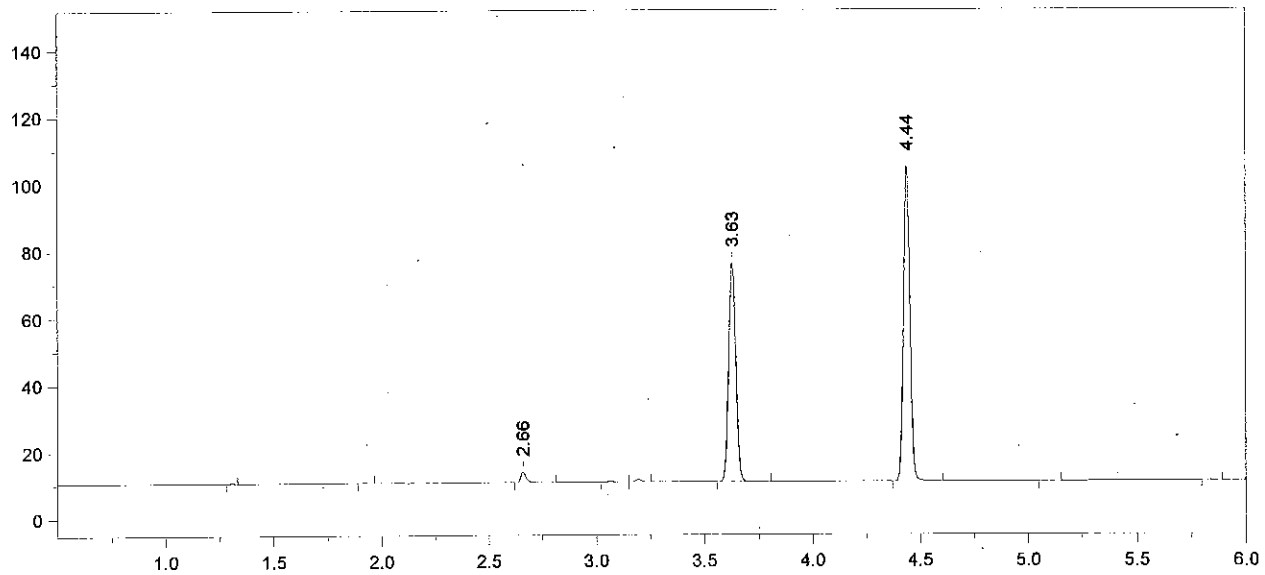


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:24 AM
Bound File Name = SIM06262014.0002.RAW
Sample Name = TMX
Date Taken = 6/26/2014 3:13:32 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	140877	0.0520
3	2.01	Methanol	65301	0.1370
4	2.65	Ethanol	90941	0.0882
5	3.06	Acetone	326243	0.0940
6	3.19	Isopropanol	187823	0.0850
7	3.63	t-Butanol	156897	1.0275
8	4.43	n-Propanol	196244	1.0000

14-06-160 38 SHB

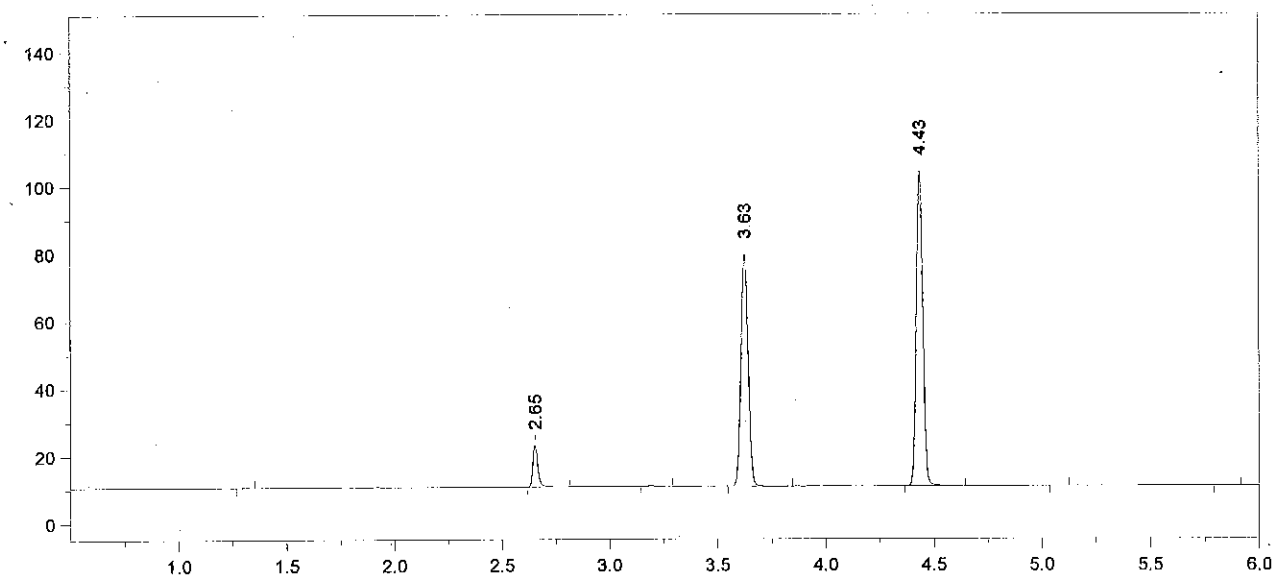


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:30 AM
Bound File Name = SIM06262014.0003.RAW
Sample Name = STD A
Date Taken = 6/26/2014 3:27:12 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05382	0.0051
6	3.63	t-Butanol	151475	0.9750
7	4.44	n-Propanol	199653	1.0000

14-06-160 39 DB

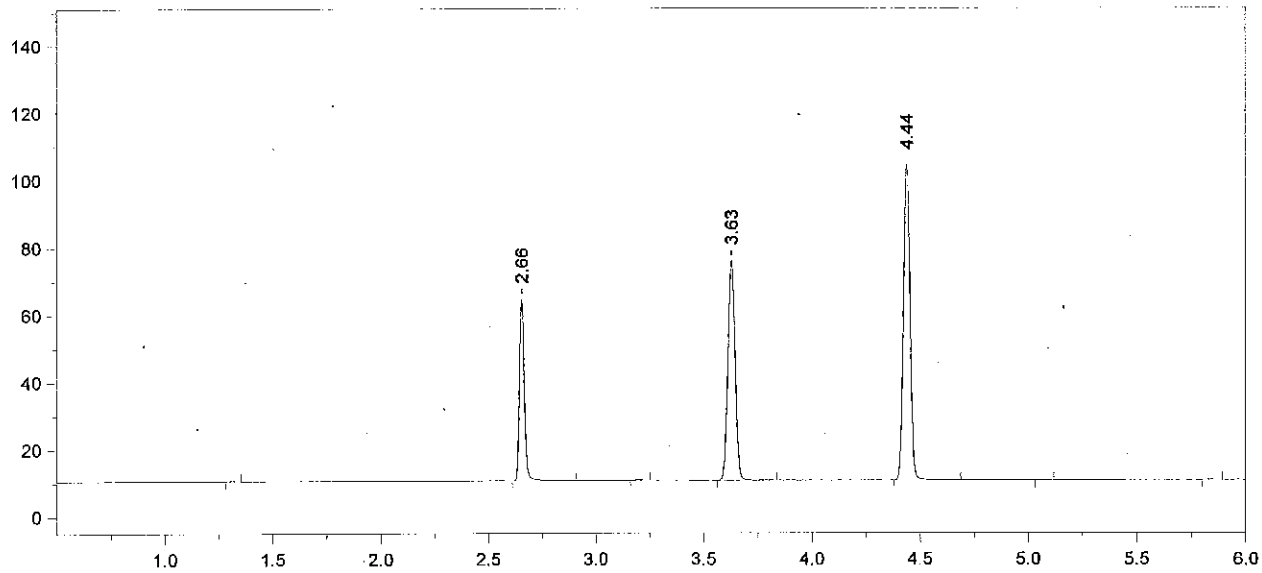


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:37 AM
Bound File Name = SIM06262014.0004.RAW
Sample Name = STD B
Date Taken = 6/26/2014 3:44:59 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	20009	0.0192
4	3.63	t-Butanol	159170	1.0290
5	4.43	n-Propanol	198793	1.0000

14-06-160 4/0

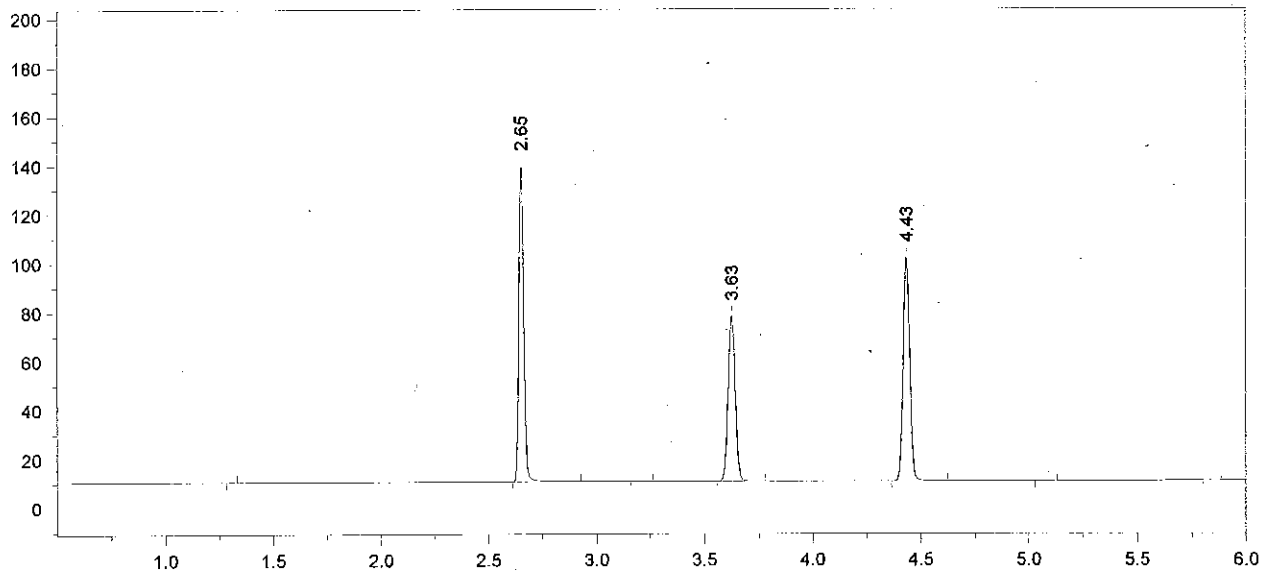


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:43 AM
Bound File Name = SIM06262014.0005.RAW
Sample Name = STD C
Date Taken = 6/26/2014 3:58:49 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	84339	0.0804
4	3.63	t-Butanol	150797	0.9708
5	4.44	n-Propanol	199629	1.0000

14-06-160 41 SB

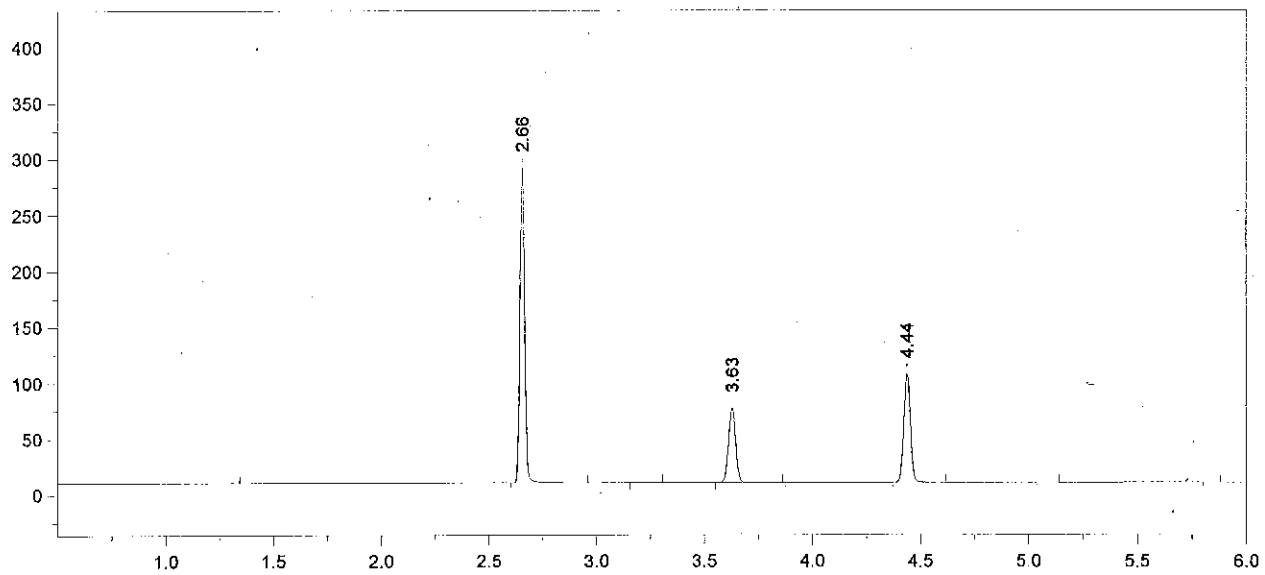


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:50 AM
Bound File Name = SIM06262014.0006.RAW
Sample Name = STD D
Date Taken = 6/26/2014 4:16:23 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	198557	0.1950
4	3.63	t-Butanol	155888	1.0334
5	4.43	n-Propanol	193874	1.0000

14-06-160 42 AB

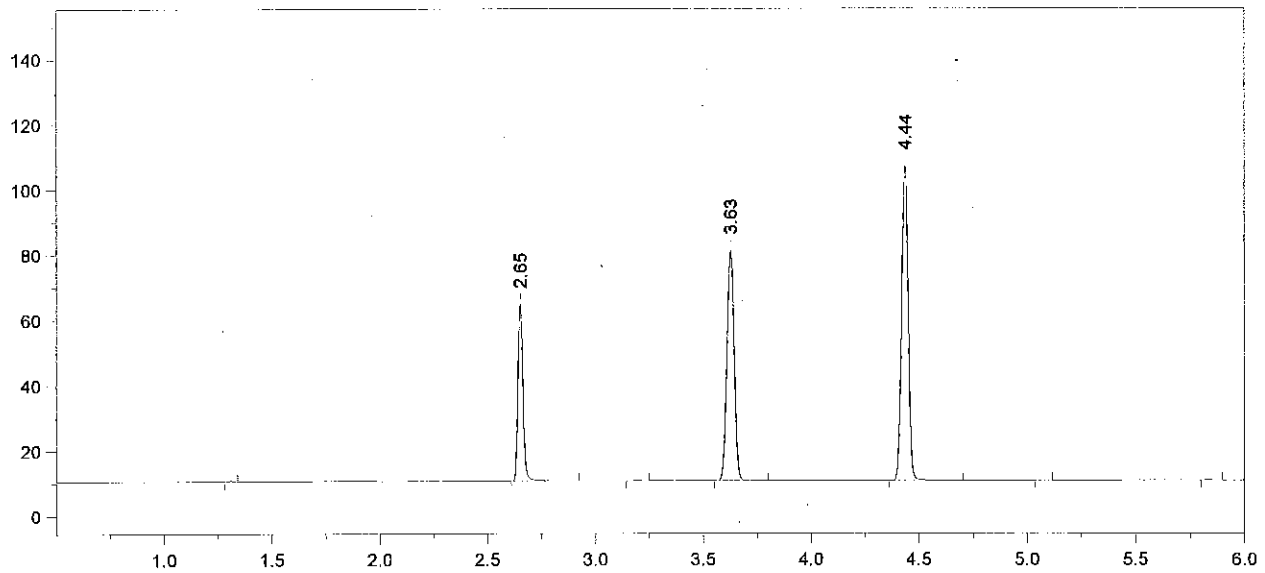


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:20:58 AM
Bound File Name = SIM06262014.0007.RAW
Sample Name = STD E
Date Taken = 6/26/2014 4:30:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	433831	0.4035
4	3.63	t-Butanol	153598	0.9643
5	4.44	n-Propanol	204698	1.0000

14-06-160 43 AB



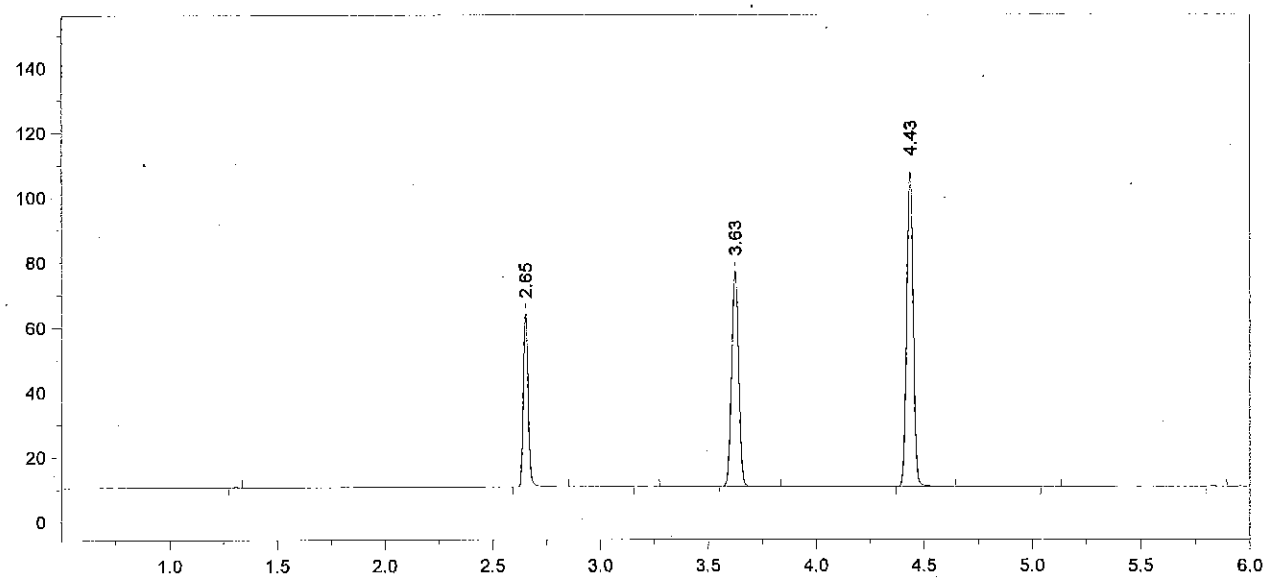
Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:05 AM
Bound File Name = SIM06262014.0008.RAW
Sample Name = AQ QC
Date Taken = 6/26/2014 4:46:07 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	84609	0.0785
4	3.63	t-Butanol	163695	1.0250
5	4.44	n-Propanol	205239	1.0000

14-06-160 44

Chrom Perfect Chromatogram Report



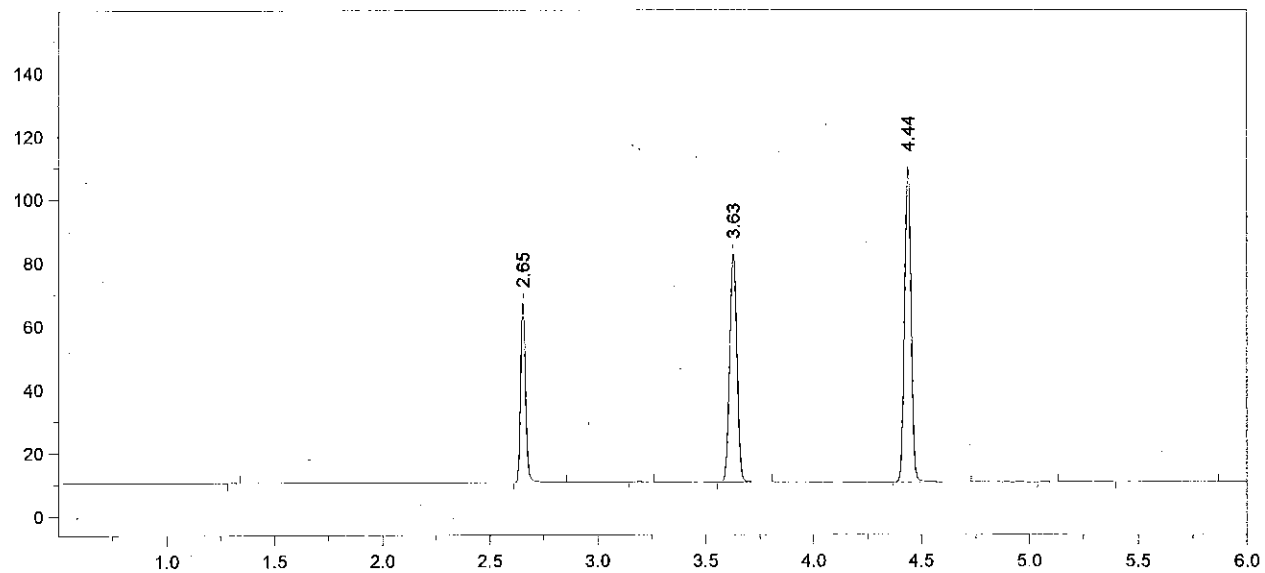
Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:13 AM
Bound File Name = SIM06262014.0009.RAW
Sample Name = AQ QC
Date Taken = 6/26/2014 5:01:37 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83989	0.0777
4	3.63	t-Butanol	153799	0.9603
5	4.43	n-Propanol	205834	1.0000

Avg vials 8+9 = 0.078
TV = 0.080
97 % recovery
6/27/14 [illegible]

14-06-160 45 [illegible]

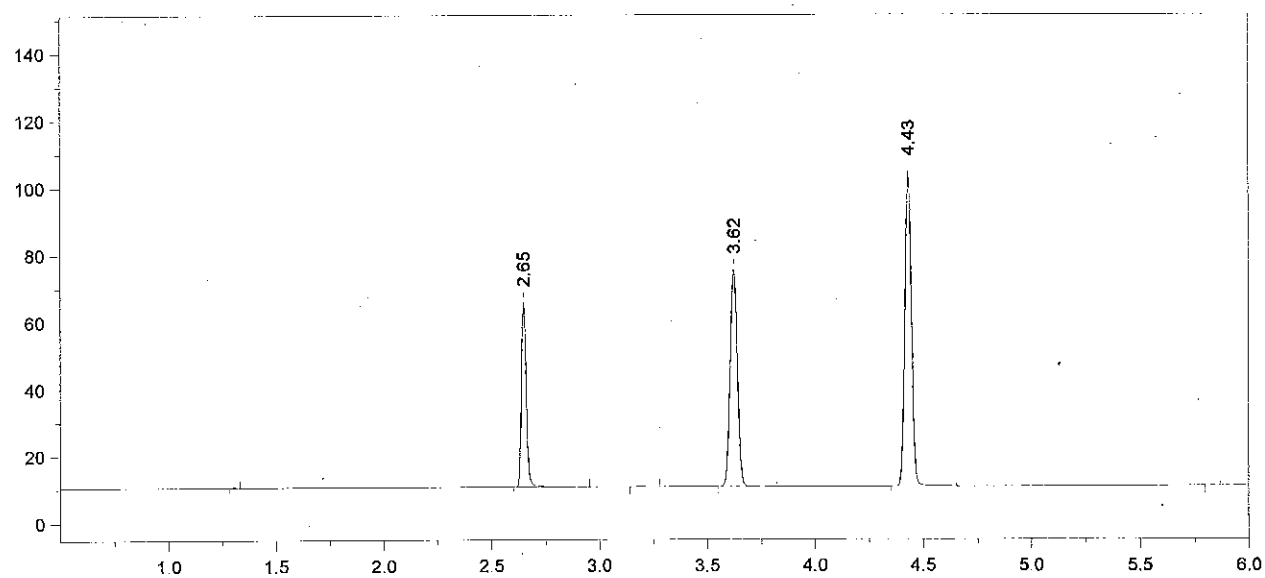


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:21 AM
Bound File Name = SIM06262014.0010.RAW
Sample Name = CCS
Date Taken = 6/26/2014 5:15:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	88231	0.0797
4	3.63	t-Butanol	167342	1.0208
5	4.44	n-Propanol	210674	1.0000

14-06-160 46 SMB



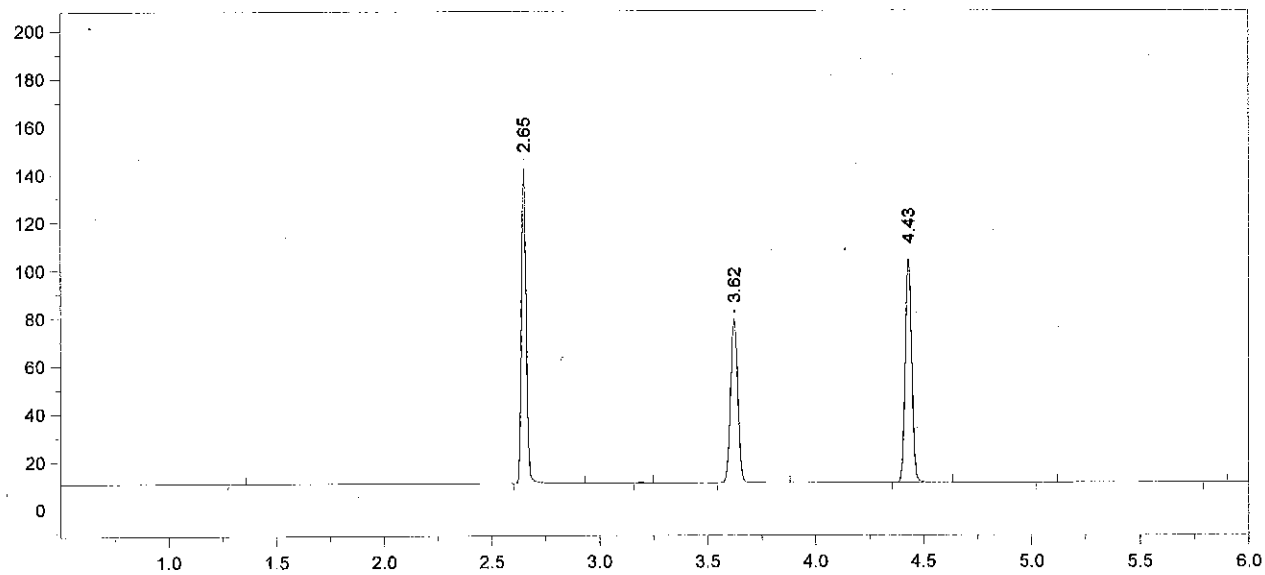
Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:29 AM
Bound File Name = SIM06262014.0011.RAW
Sample Name = CCS
Date Taken = 6/26/2014 5:31:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	85956	0.0821
4	3.62	t-Butanol	150010	0.9678
5	4.43	n-Propanol	199194	1.0000

Avg vials 10+11 = 0.081
6/27/14 [illegible]

14-06-160 47 [illegible]

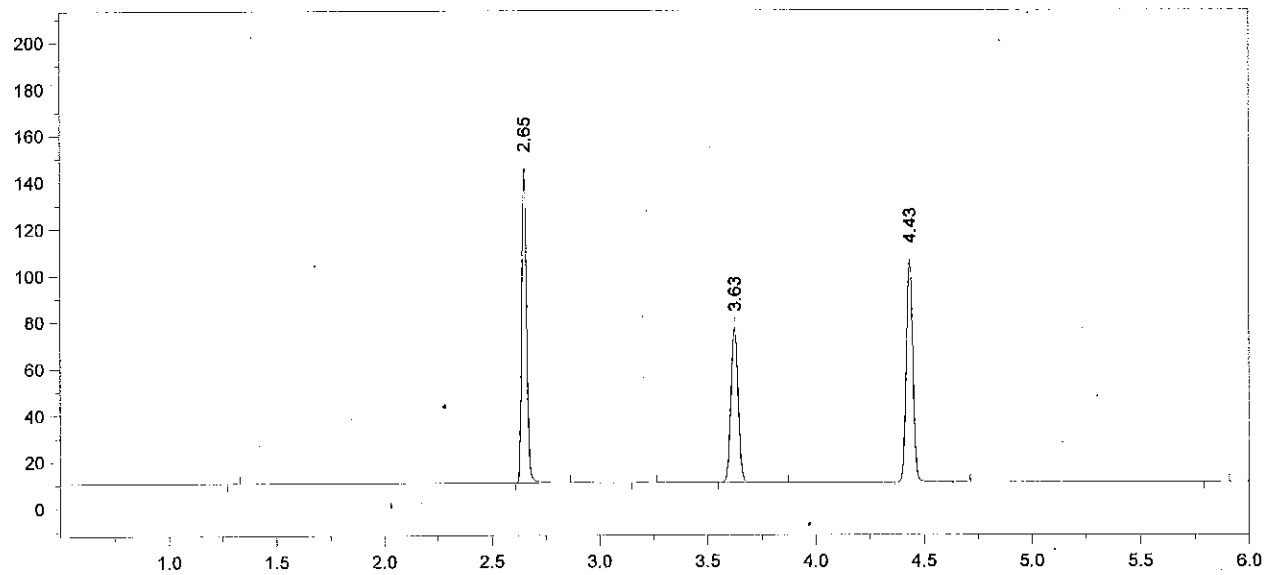


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:37 AM
Bound File Name = SIM06262014.0012.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 5:47:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	201682	0.1932	0.1577
4	3.62	t-Butanol	159053	1.0286	0.8395
5	4.43	n-Propanol	198731	1.0000	0.8162

14-06-160 48 SB



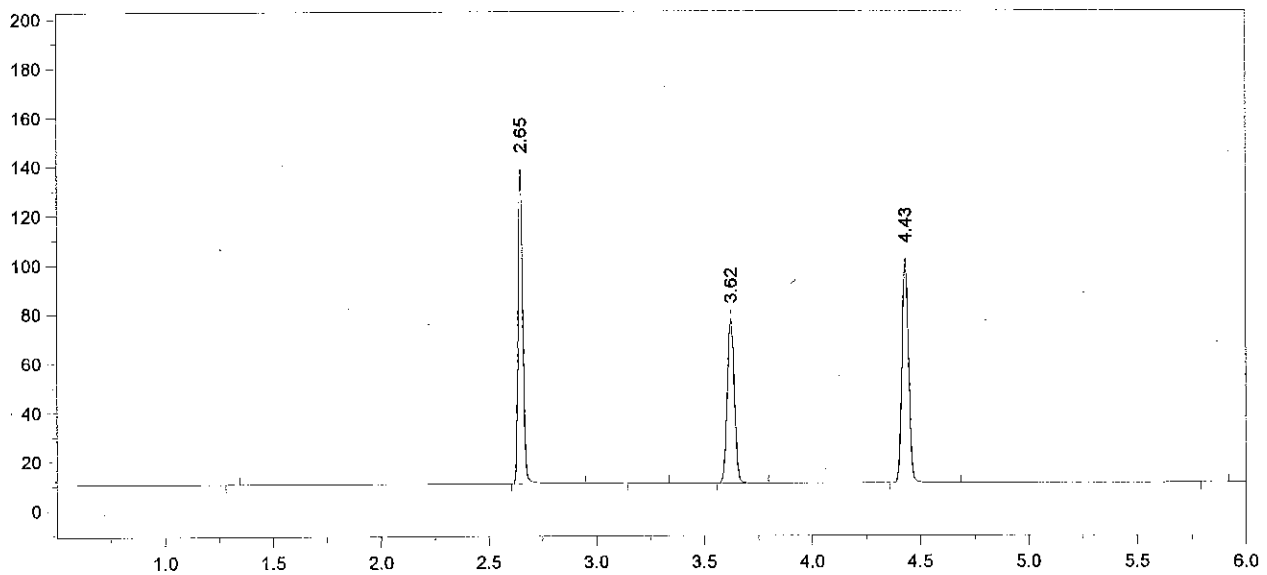
Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:45 AM
Bound File Name = SIM06262014.0013.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 6:02:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	208177	0.1944	0.1586
4	3.63	t-Butanol	153952	0.9703	0.7920
5	4.43	n-Propanol	203907	1.0000	0.8162

14-06-160 49

Chrom Perfect Chromatogram Report

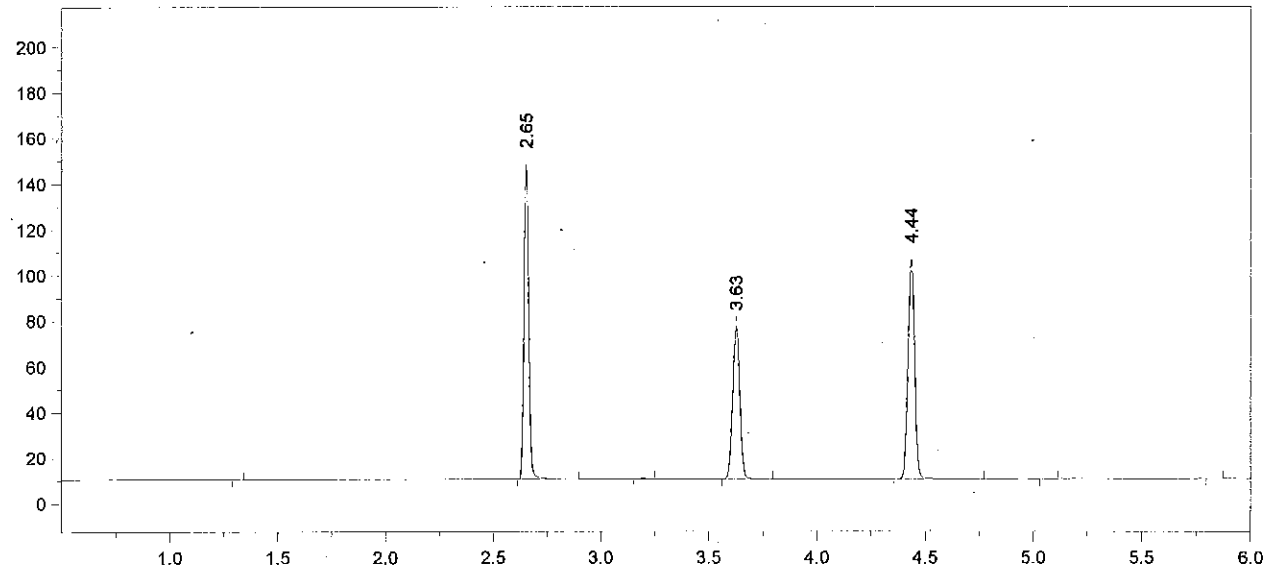


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:21:52 AM
Bound File Name = SIM06262014.0014.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 6:19:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	197104	0.1935	0.1580
4	3.62	t-Butanol	154692	1.0254	0.8369
5	4.43	n-Propanol	193885	1.0000	0.8162

14-06-160 50 AB

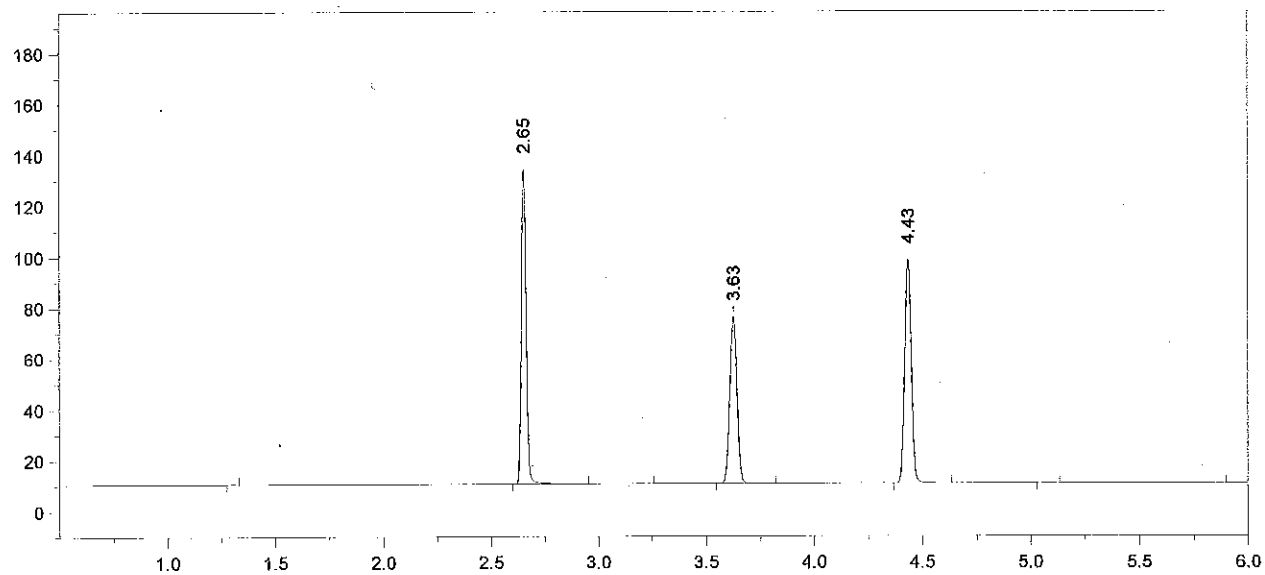


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:00 AM
Bound File Name = SIM06262014.0015.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 6:33:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	211822	0.1970	0.1608
4	3.63	t-Butanol	154358	0.9689	0.7909
5	4.44	n-Propanol	204733	1.0000	0.8162

14-06-160 51 AB

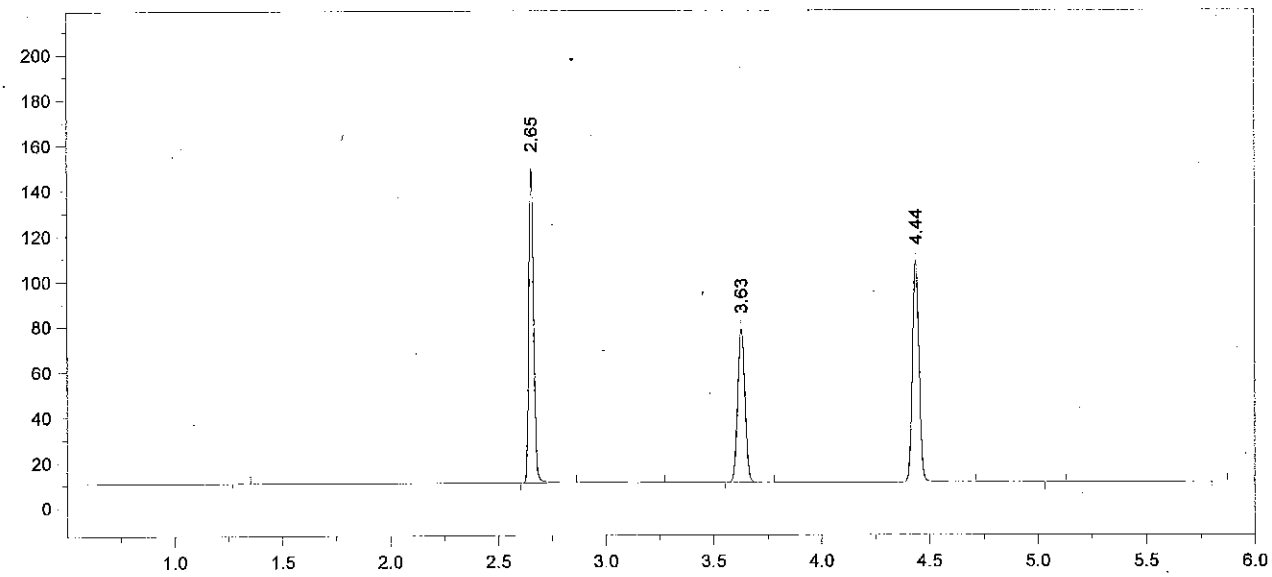


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:08 AM
Bound File Name = SIM06262014.0016.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 6:50:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	190554	0.1937	0.1581
4	3.63	t-Butanol	151360	1.0387	0.8478
5	4.43	n-Propanol	187278	1.0000	0.8162

14-06-160 52 AB



Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:16 AM
Bound File Name = SIM06262014.0017.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 7:04:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	214996	0.1966	0.1605
4	3.63	t-Butanol	157106	0.9700	0.7917
5	4.44	n-Propanol	208142	1.0000	0.8162

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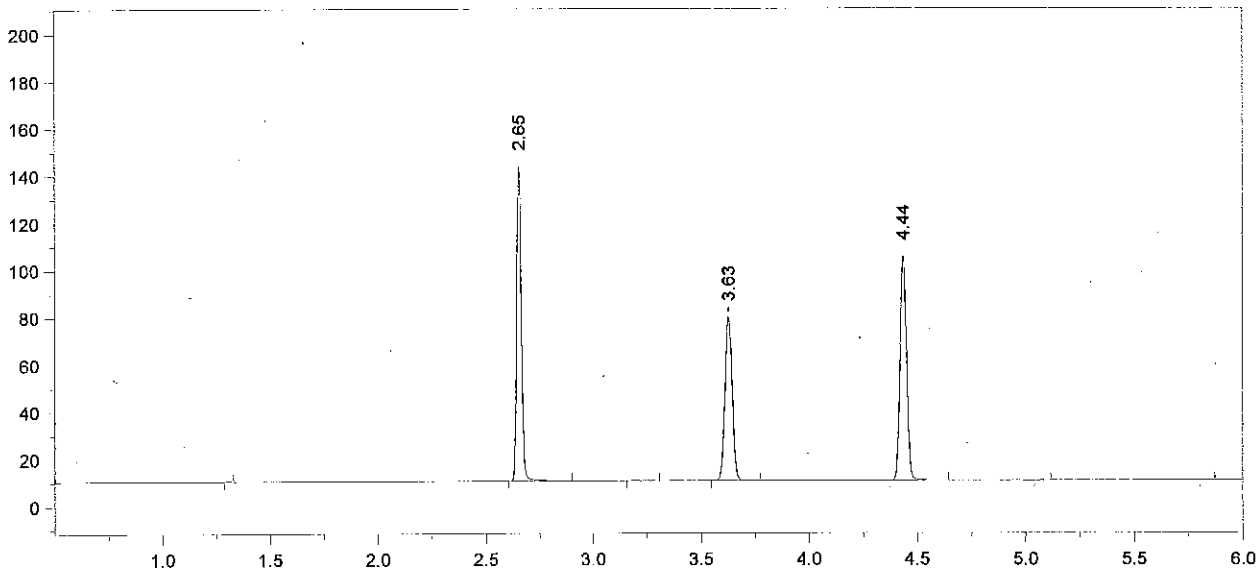
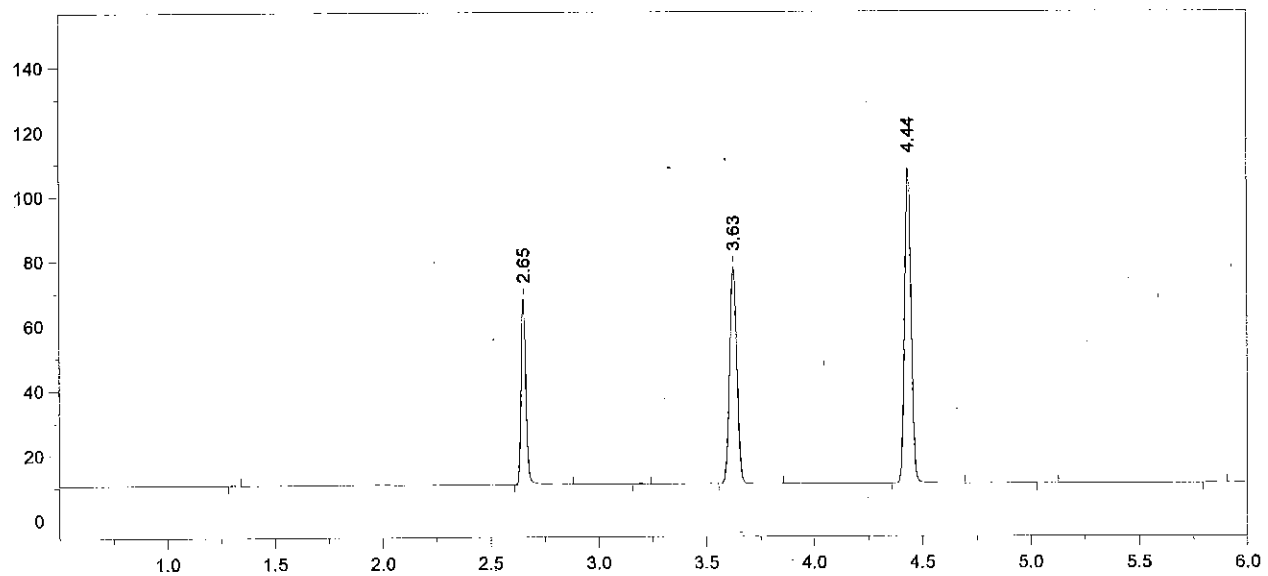


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:24 AM
Bound File Name = SIM06262014.0018.RAW
Sample Name = ALB 0.160
Date Taken = 6/26/2014 7:22:08 PM
VDH.Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	206148	0.1946	0.1588
4	3.63	t-Butanol	160688	1.0238	0.8356
5	4.44	n-Propanol	201705	1.0000	0.8162

14-06-160 54 AB



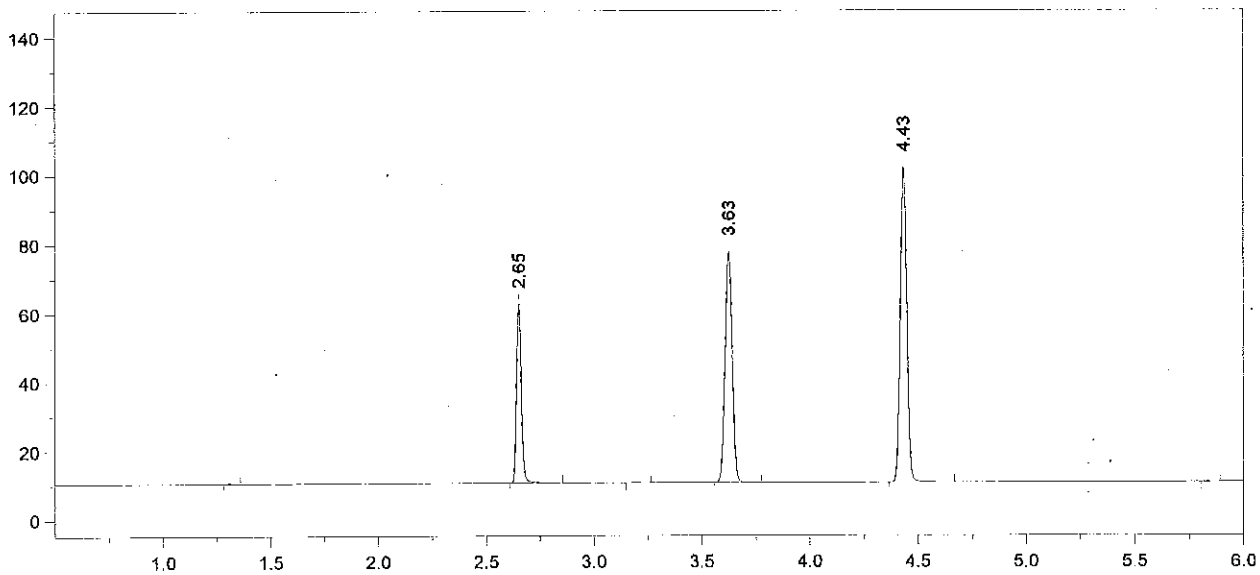
Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:32 AM
Bound File Name = SIM06262014.0019.RAW
Sample Name = CCS
Date Taken = 6/26/2014 7:36:01 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	89540	0.0823
4	3.63	t-Butanol	155574	0.9656
5	4.44	n-Propanol	207070	1.0000

14-06-140 55 [illegible]

Chrom Perfect Chromatogram Report



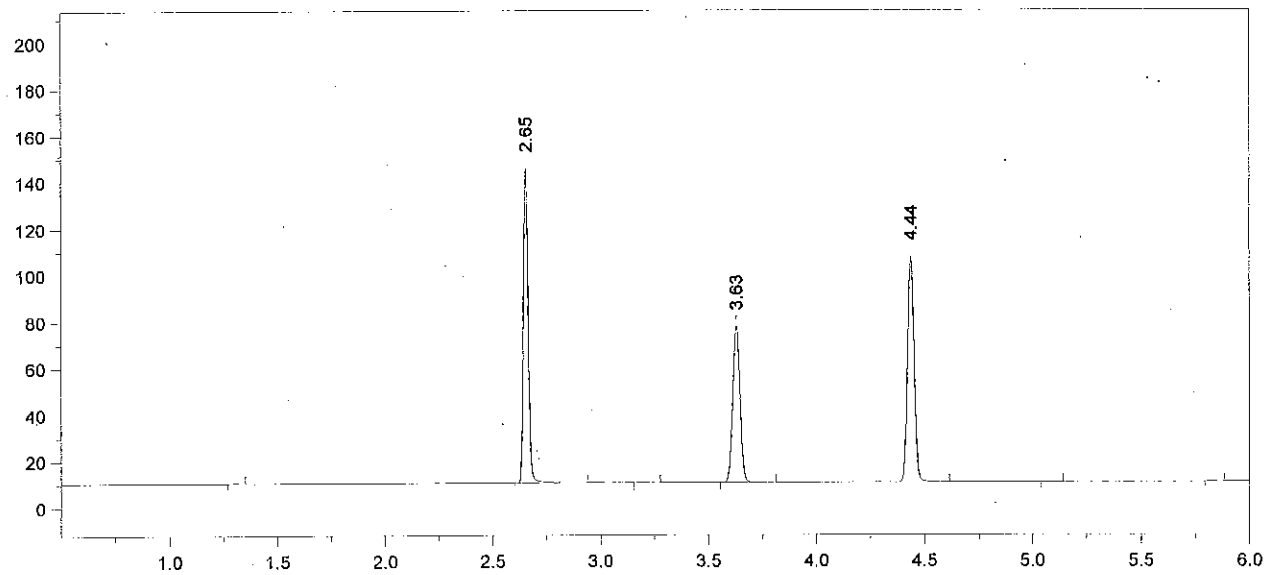
Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:39 AM
Bound File Name = SIM06262014.0020.RAW
Sample Name = CCS
Date Taken = 6/26/2014 7:53:33 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81559	0.0803
4	3.63	t-Butanol	155554	1.0344
5	4.43	n-Propanol	193263	1.0000

Avg vials 19 + 20 = 0.081
6/27/14

14-06-160 56

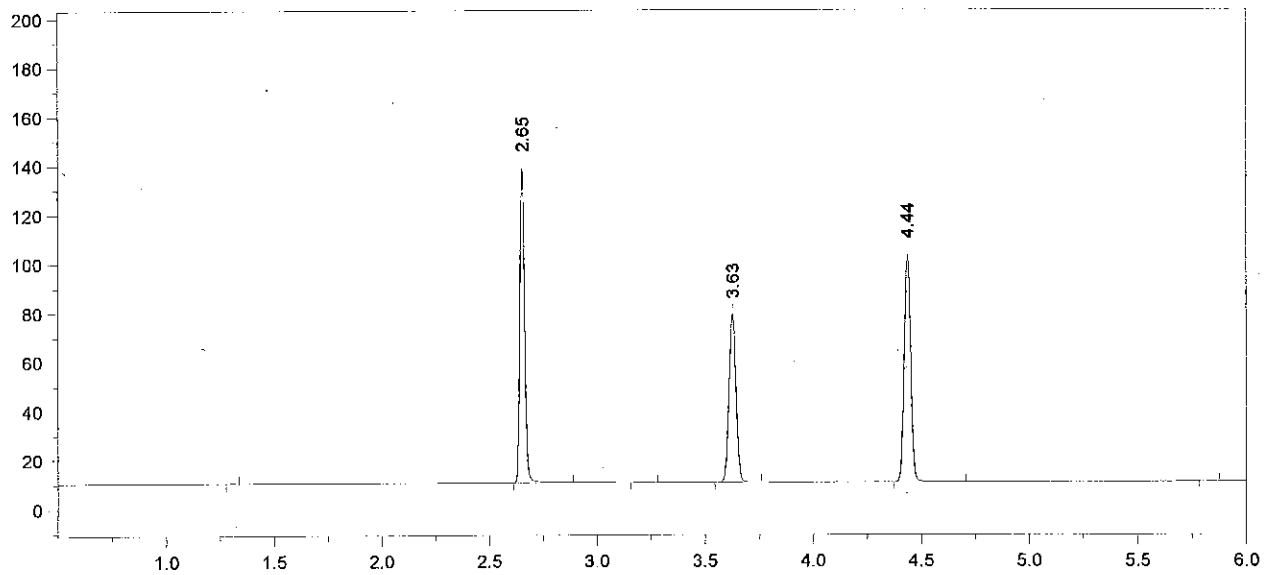


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:47 AM
Bound File Name = SIM06262014.0021.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 8:07:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	210633	0.1946	0.1588
4	3.63	t-Butanol	155710	0.9711	0.7926
5	4.44	n-Propanol	206074	1.0000	0.8162

14-06-160 57

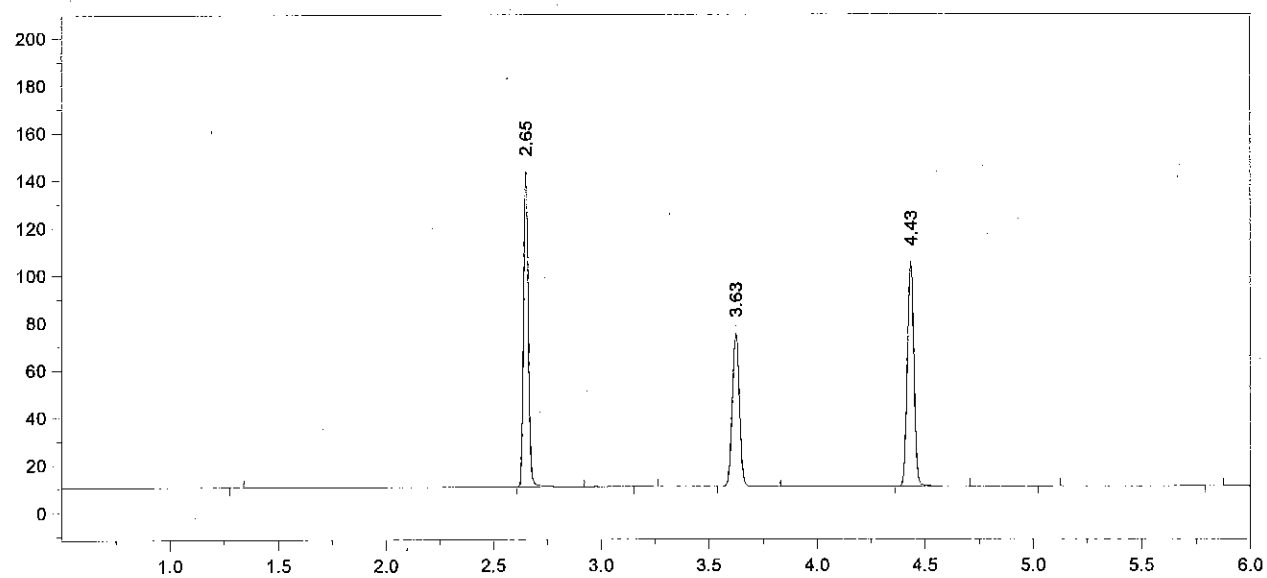


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:22:55 AM
Bound File Name = SIM06262014.0022.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 8:24:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	198002	0.1908	0.1558
4	3.63	t-Butanol	158309	1.0300	0.8407
5	4.44	n-Propanol	197522	1.0000	0.8162

14-D6-160 58

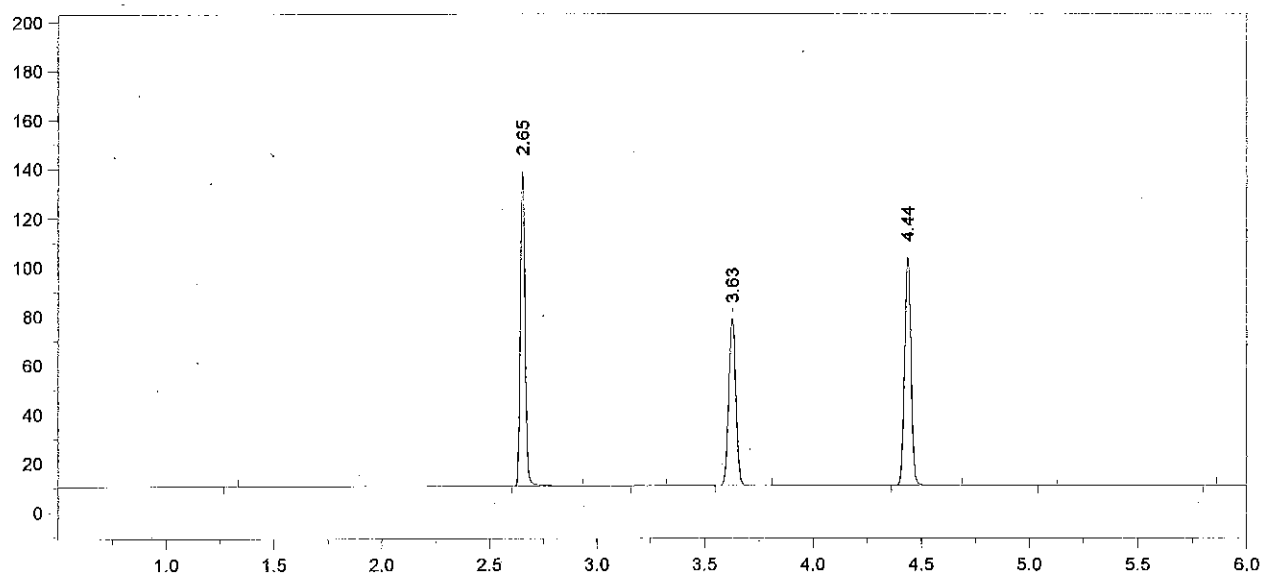


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:03 AM
Bound File Name = SIM06262014.0023.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 8:38:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	206979	0.1956	0.1597
4	3.63	t-Butanol	150121	0.9579	0.7819
5	4.43	n-Propanol	201405	1.0000	0.8162

14-06-140 59 AB

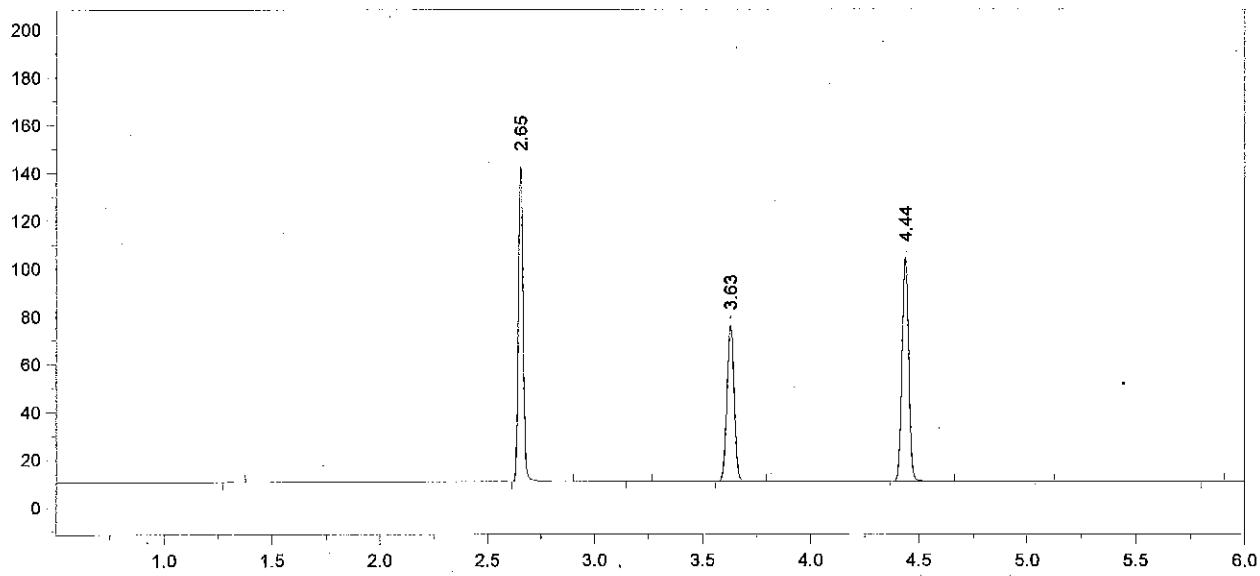


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:10 AM
Bound File Name = SIM06262014.0024.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 8:56:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	198718	0.1915	0.1563
4	3.63	t-Butanol	158284	1.0296	0.8404
5	4.44	n-Propanol	197566	1.0000	0.8162

14-06-160 60

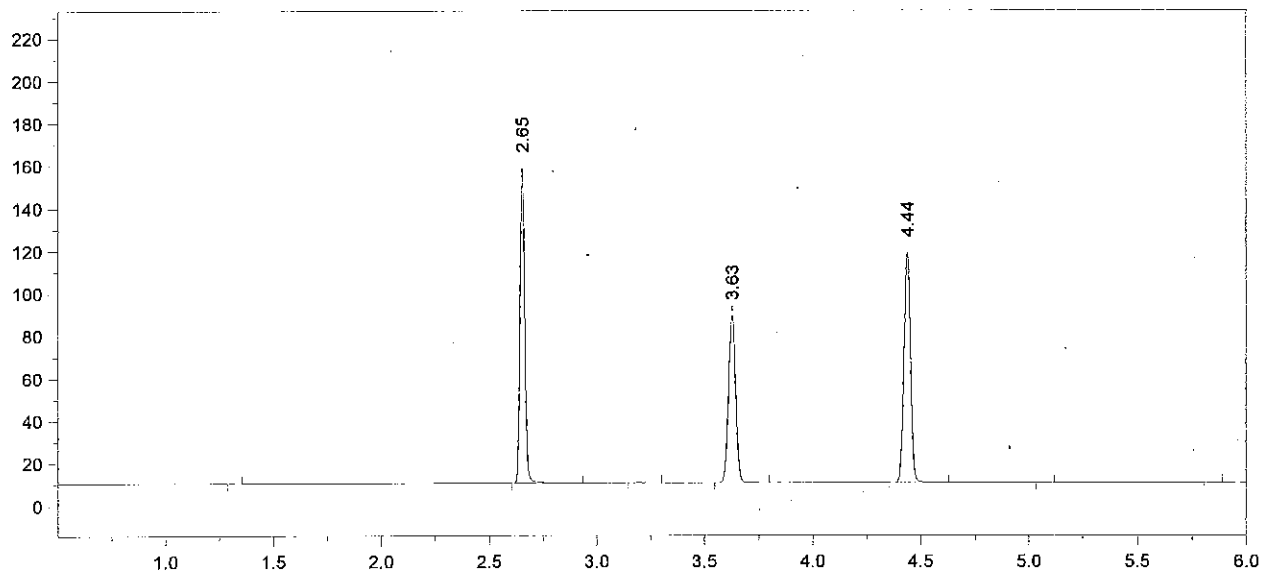


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014 Today's Time = 7:23:18 AM
Bound File Name = SIM06262014.0025.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 9:09:37 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	203555	0.1945	0.1588
4	3.63	t-Butanol	151195	0.9755	0.7962
5	4.44	n-Propanol	199196	1.0000	0.8162

14-06-160 61 AKS

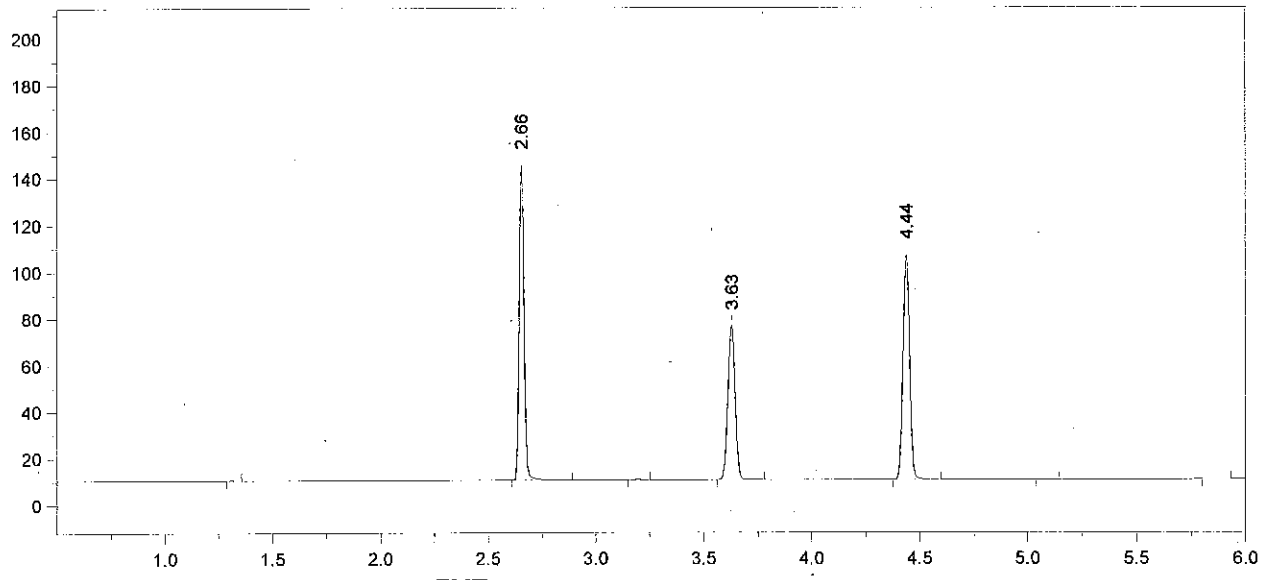


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:26 AM
Bound File Name = SIM06262014.0026.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 9:26:05 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.65	Ethanol	230182	0.1907	0.1556
4	3.63	t-Butanol	182123	1.0184	0.8312
5	4.44	n-Propanol	229839	1.0000	0.8162

14-06-160 62

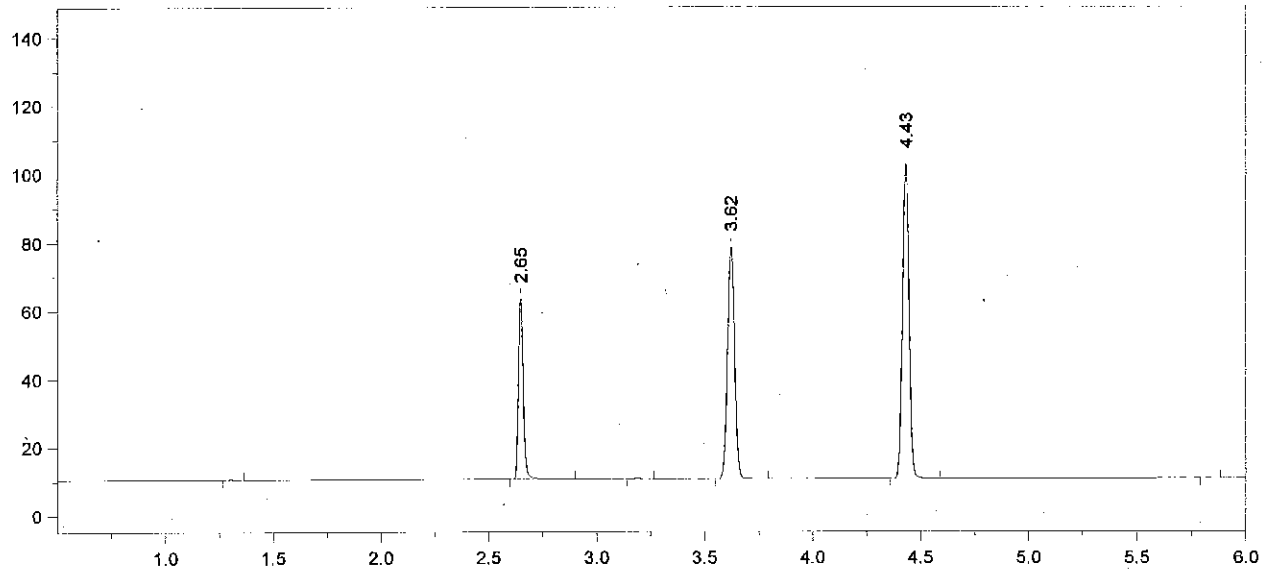


Format File Name = simsolnVFL.met.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:34 AM
Bound File Name = SIM06262014.0027.RAW
Sample Name = RLM 0.160
Date Taken = 6/26/2014 9:41:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	209902	0.1957	0.1597
4	3.63	t-Butanol	153512	0.9661	0.7885
5	4.44	n-Propanol	204218	1.0000	0.8162

14-06-160 63

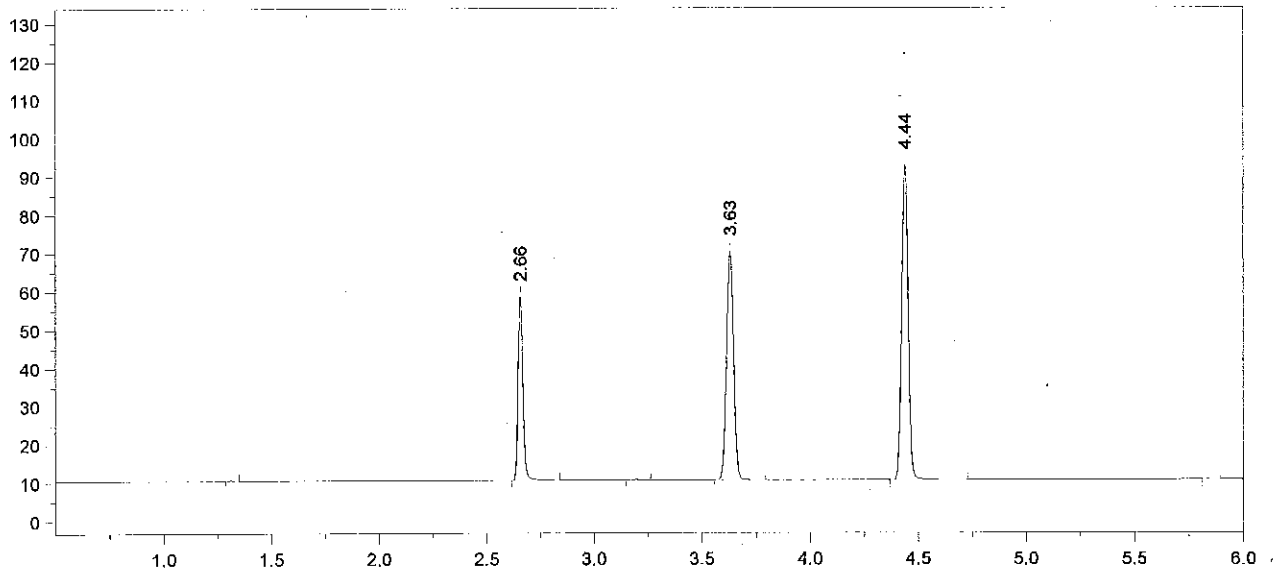


Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:42 AM
Bound File Name = SIM06262014.0028.RAW
Sample Name = CCS
Date Taken = 6/26/2014 9:57:40 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	83078	0.0808
4	3.62	t-Butanol	156731	1.0290
5	4.43	n-Propanol	195739	1.0000

14-06-160 64 AD



Format File Name = AlcoholVFL.FMT

Today's Date = 6/27/2014
Today's Time = 7:23:49 AM
Bound File Name = SIM06262014.0029.RAW
Sample Name = CCS
Date Taken = 6/26/2014 10:11:50 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL06262014.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74489	0.0810
4	3.63	t-Butanol	138211	1.0144
5	4.44	n-Propanol	175100	1.0000

Avg vals 28+29 = 0.081

6/27/14

14-06-160

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