VERMONT FORENSIC LABORATORY

~~BLOOD~~ ALCOHOL DATA REVIEW CHECKLIST

AMB 3/24/14

~~AGENCY CASE#~~: Cliniqa WB QC ANALYST: AMB

~~LAB #~~: Lot # 1212090 rec'd 3/21/14

TECHNICAL REVIEWER: RZR DATE: 3/24/14

- ☑ 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?
- ☑ Individual replicates within ± 5% of the statistical mean?
- ☑ 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:
* Calculations on Excel sheet verified using a rounding value of 5. RZR 3/24/14

ADMINISTRATIVE REVIEWER: [signature] DATE: 3/25/2014

- ☑ Agency Case # and Lab # match submission form?
- ☑ Submitting agency, investigator, suspect, CC match submission form?
- ☑ 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 #)?
- ☑ Is the exam end date documented in the paper case file consistent with the exam end date in LIMS?

Comments:

DIRECTOR REVIEWER: [signature] DATE: 3/25/2014

- ☑ 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

	0.0743	#2	0.0743			0.0743	
0.0813			0.0813			0.0813	
0.0809			0.0809			0.0809	
0.0820			0.0820			0.0820	
0.0804			0.0804			0.0804	
0.0817			0.0817			0.0817	
	0.0712			0.0712	#1	0.0712	
0.0784			0.0784			0.0784	
0.0787			0.0787			0.0787	
0.0813			0.0813			0.0813	
0.0806	AVERAGE		0.0799	AVERAGE		0.0790	AVERAGE
0.0013	STD DEV		0.0024	STD DEV		0.0036	STD DEV
0.0040	3SD		0.0073	3SD		0.0108	3SD
0.0846	+3SD		0.0872	+3SD		0.0898	+3SD
0.0765	-3SD		0.0726	-3SD		0.0683	-3SD
0.0820	HIGH		0.0820	HIGH		0.0820	HIGH
0.0784	LO		0.0743	LO		0.0712	LO
4.4672	% RPD		9.6384	% RPD		13.6674	% RPD
0.0846	5%		0.0839	5%		0.0830	5%
0.0766	-5%		0.0759	-5%		0.0751	-5%

#1 results dropped due to prep error, insufficient volume of sample

#2 results dropped, value >5% to average

Calculated target value = 0.080
Calculated acceptable range 0.072 - 0.088
Clinique Lot # 1212090
Shipment received 3/21/14

AB 3/24/14

File Name = C:\Alcohol Data\VFL03212014\VFL03212014.SEQ
Version = 2
File Date = 3/21/2014 3:28:59 PM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL03212014.0001.raw	Blood Alc temp VFL.MET	Blank	1.00	1.00
2	VFL03212014.0002.raw	Blood Alc temp VFL.MET	TMX	1.00	1.00
3	VFL03212014.0003.raw	Blood Alc temp VFL.MET	STD A	1.00	1.00
4	VFL03212014.0004.raw	Blood Alc temp VFL.MET	STD B	1.00	1.00
5	VFL03212014.0005.raw	Blood Alc temp VFL.MET	STD C	1.00	1.00
6	VFL03212014.0006.raw	Blood Alc temp VFL.MET	STD D	1.00	1.00
7	VFL03212014.0007.raw	Blood Alc temp VFL.MET	STD E	1.00	1.00
8	VFL03212014.0008.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
9	VFL03212014.0009.raw	Blood Alc temp VFL.MET	WB QC	1.00	1.00
10	VFL03212014.0010.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
11	VFL03212014.0011.raw	Blood Alc temp VFL.MET	AQ QC	1.00	1.00
12	VFL03212014.0012.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
13	VFL03212014.0013.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
14	VFL03212014.0014.raw	Blood Alc temp VFL.MET	V14-505 A1-1	1.00	1.00
15	VFL03212014.0015.raw	Blood Alc temp VFL.MET	V14-505 A1-1	1.00	1.00
16	VFL03212014.0016.raw	Blood Alc temp VFL.MET	V14-507 A1-2	1.00	1.00
17	VFL03212014.0017.raw	Blood Alc temp VFL.MET	V14-507 A1-2	1.00	1.00
18	VFL03212014.0018.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
19	VFL03212014.0019.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
20	VFL03212014.0020.raw	Blood Alc temp VFL.MET	AQ ETOH 20	1.00	1.00
21	VFL03212014.0021.raw	Blood Alc temp VFL.MET	AQ ETOH 20	1.00	1.00
22	VFL03212014.0022.raw	Blood Alc temp VFL.MET	AQ ETOH 80	1.00	1.00
23	VFL03212014.0023.raw	Blood Alc temp VFL.MET	AQ ETOH 80	1.00	1.00
24	VFL03212014.0024.raw	Blood Alc temp VFL.MET	AQ ETOH 200	1.00	1.00
25	VFL03212014.0025.raw	Blood Alc temp VFL.MET	AQ ETOH 200	1.00	1.00
26	VFL03212014.0026.raw	Blood Alc temp VFL.MET	AQ ETOH 300	1.00	1.00
27	VFL03212014.0027.raw	Blood Alc temp VFL.MET	AQ ETOH 300	1.00	1.00
28	VFL03212014.0028.raw	Blood Alc temp VFL.MET	AQ ETOH 400	1.00	1.00
29	VFL03212014.0029.raw	Blood Alc temp VFL.MET	AQ ETOH 400	1.00	1.00
30	VFL03212014.0030.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
31	VFL03212014.0031.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
32	VFL03212014.0032.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
33	VFL03212014.0033.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
34	VFL03212014.0034.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
35	VFL03212014.0035.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
36	VFL03212014.0036.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
37	VFL03212014.0037.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
38	VFL03212014.0038.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
39	VFL03212014.0039.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
40	VFL03212014.0040.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
41	VFL03212014.0041.raw	Blood Alc temp VFL.MET	WB LEVEL 1	1.00	1.00
42	VFL03212014.0042.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
43	VFL03212014.0043.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
44	VFL03212014.0044.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
45	VFL03212014.0045.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
46	VFL03212014.0046.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
47	VFL03212014.0047.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
48	VFL03212014.0048.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
49	VFL03212014.0049.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
50	VFL03212014.0050.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
51	VFL03212014.0051.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
52	VFL03212014.0052.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
53	VFL03212014.0053.raw	Blood Alc temp VFL.MET	WB LEVEL 3	1.00	1.00
54	VFL03212014.0054.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00
55	VFL03212014.0055.raw	Blood Alc temp VFL.MET	CCS	1.00	1.00

case work not included 3/24/14 dlb

QC confirmation not included 3/24/14 dlb

QC confirmation not included 3/24/14 dlb

ES-03182014
TMX-08122013
IS-03202014
Cliniqa 1212020 (cold)
Cerilliant FN021111-03

dlb 3/24/14

1212090 2 dlb

File Name: C:\Methods\VFL03212014.CAL
Version: 8

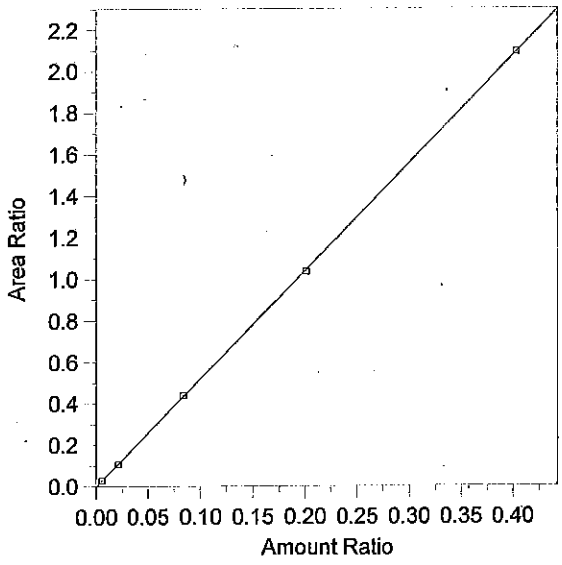
Creator:
Description:
Reason for change:

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: 2.653 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

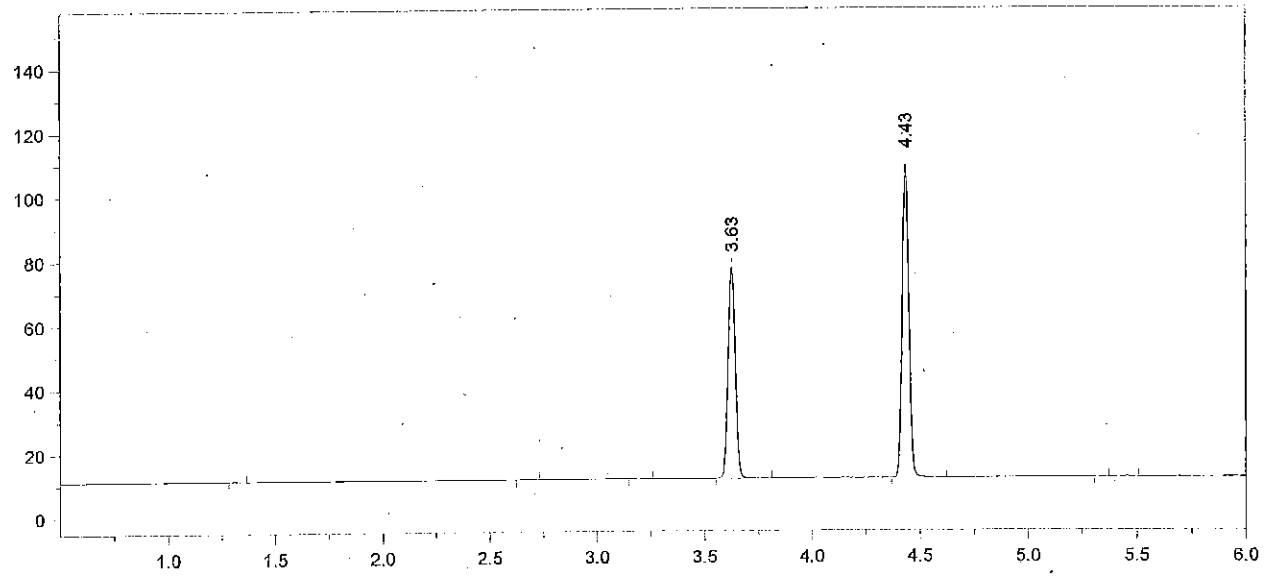
Single peak quantification by area

$Y = 5.185699 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.999962
Average error: 2.981%
Average CF: 5.290992
RSD: 5.089%

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	0.0052	5844.583	1123958	11.117	0.0052	2.996334E-02	C:\Alcohol Data\VFL03212014\VFL03212014.0003.BND	3/21/2014 4:39:31 PM
3	0.021	21420.45	1020021	-1.631	0.021	0.1071232	C:\Alcohol Data\VFL03212014\VFL03212014.0004.BND	3/21/2014 4:57:06 PM
4	0.0837	87651.21	1047207	1.278	0.0837	0.4395922	C:\Alcohol Data\VFL03212014\VFL03212014.0005.BND	3/21/2014 5:10:50 PM
5	0.2009	204397.9	1017411	-0.744	0.2009	1.034055	C:\Alcohol Data\VFL03212014\VFL03212014.0006.BND	3/21/2014 5:28:27 PM
6	0.4029	428127.8	1062616	0.132	0.4029	2.092085	C:\Alcohol Data\VFL03212014\VFL03212014.0007.BND	3/21/2014 5:42:15 PM

12/2090 3 AB

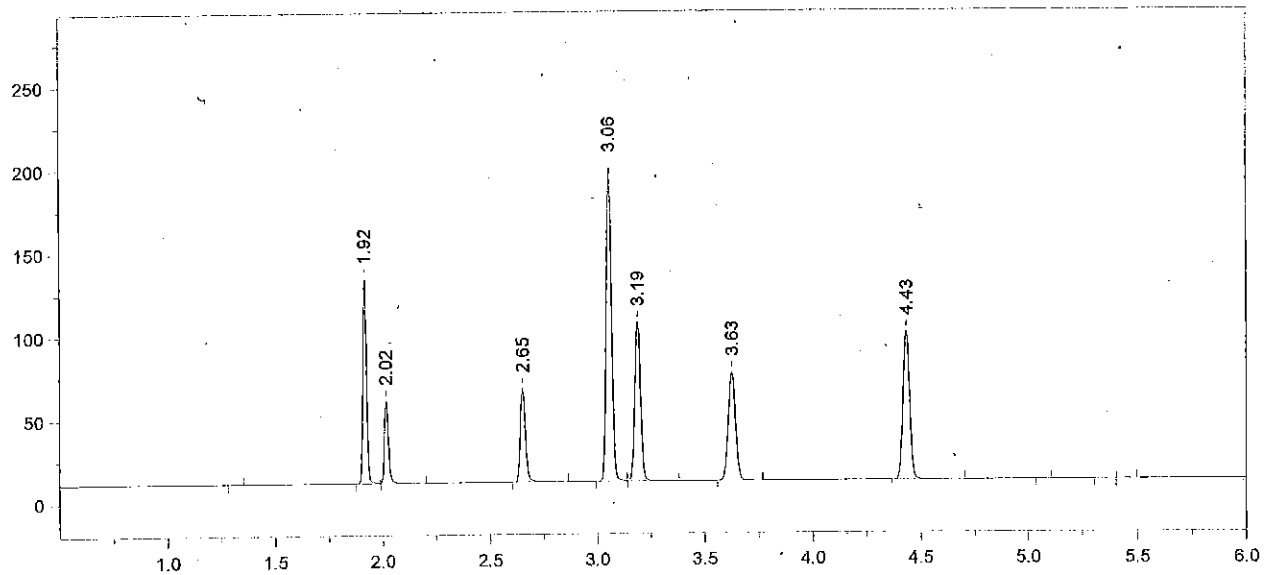


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:07 AM
Bound File Name = VFL03212014.0001.RAW
Sample Name = Blank
Date Taken = 3/21/2014 4:08:29 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.63	t-Butanol	152061	0.9379
5	4.43	n-Propanol	207010	1.0000

1212090 4 AB

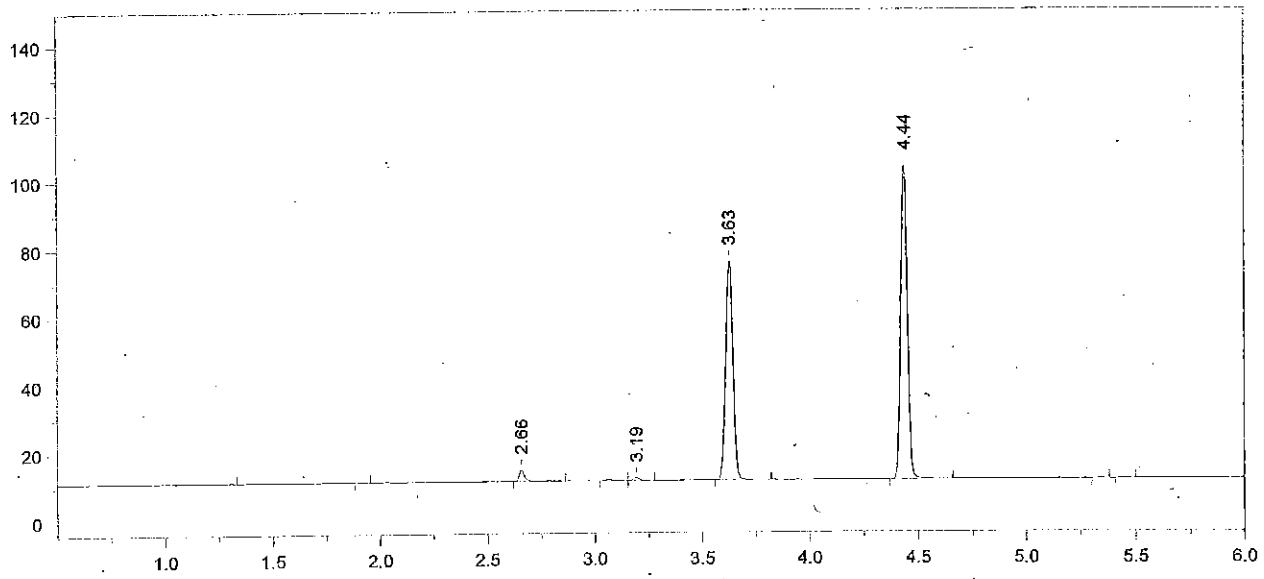


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:17 AM
Bound File Name = VFL03212014.0002.RAW
Sample Name = TMX
Date Taken = 3/21/2014 4:25:30 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	142059	0.0520
3	2.02	Methanol	63704	0.1370
4	2.65	Ethanol	87430	0.0890
5	3.06	Acetone	320595	0.0940
6	3.19	Isopropanol	179132	0.0850
7	3.63	t-Butanol	150491	1.0139
8	4.43	n-Propanol	189509	1.0000

1212090 5 ALB

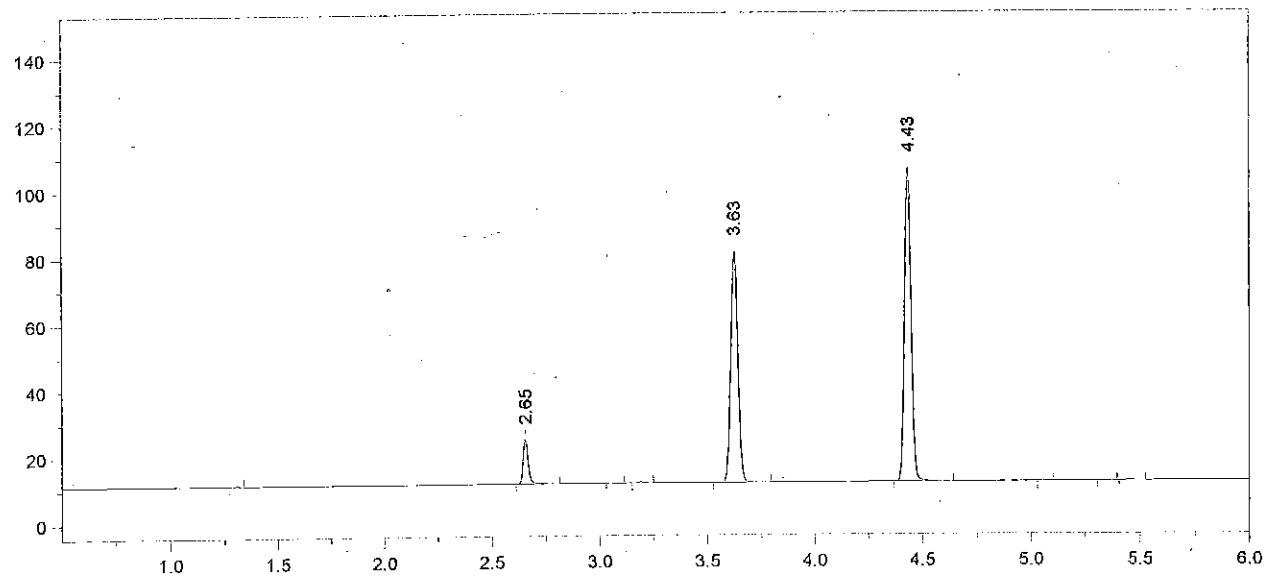


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:24 AM
Bound File Name = VFL03212014.0003.RAW
Sample Name = STD A
Date Taken = 3/21/2014 4:39:21 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	05845	0.0058
5	3.19	Isopropanol	01654	<0.004
6	3.63	t-Butanol	149406	0.9780
7	4.44	n-Propanol	195058	1.0000

12/2090 6

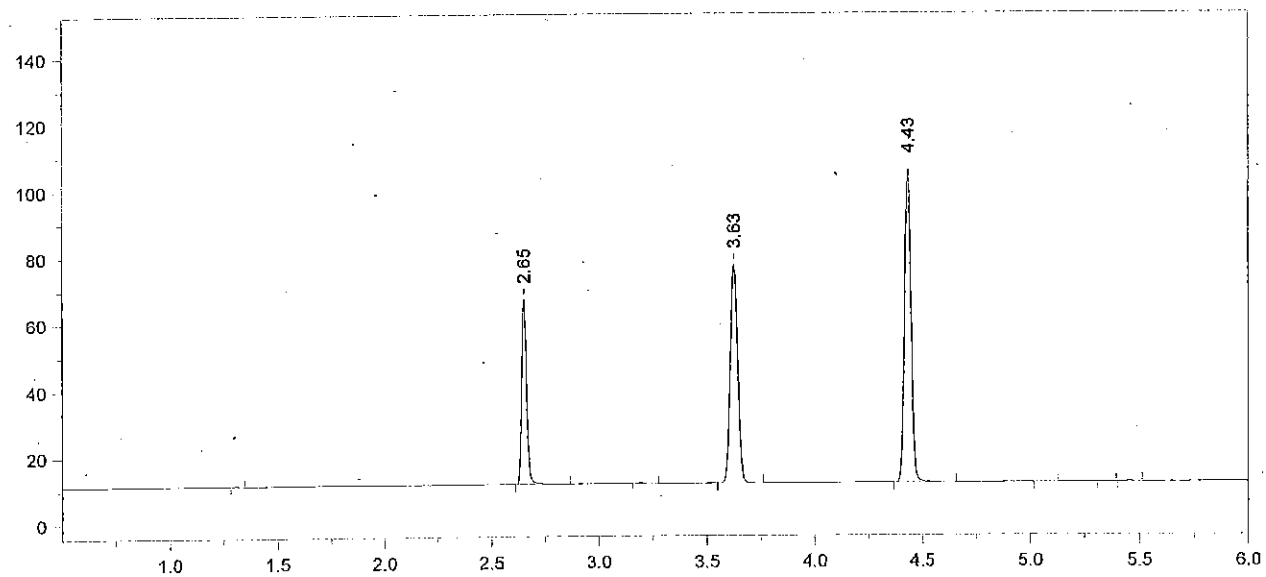


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:30 AM
Bound File Name = VFL03212014.0004.RAW
Sample Name = STD B
Date Taken = 3/21/2014 4:56:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	21420	0.0207
5	3.63	t-Butanol	161024	1.0282
6	4.43	n-Propanol	199961	1.0000

1212090 7 STD B



Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Bound File Name = VFL03212014.0005.RAW
Sample Name = STD C
Date Taken = 3/21/2014 5:10:40 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL

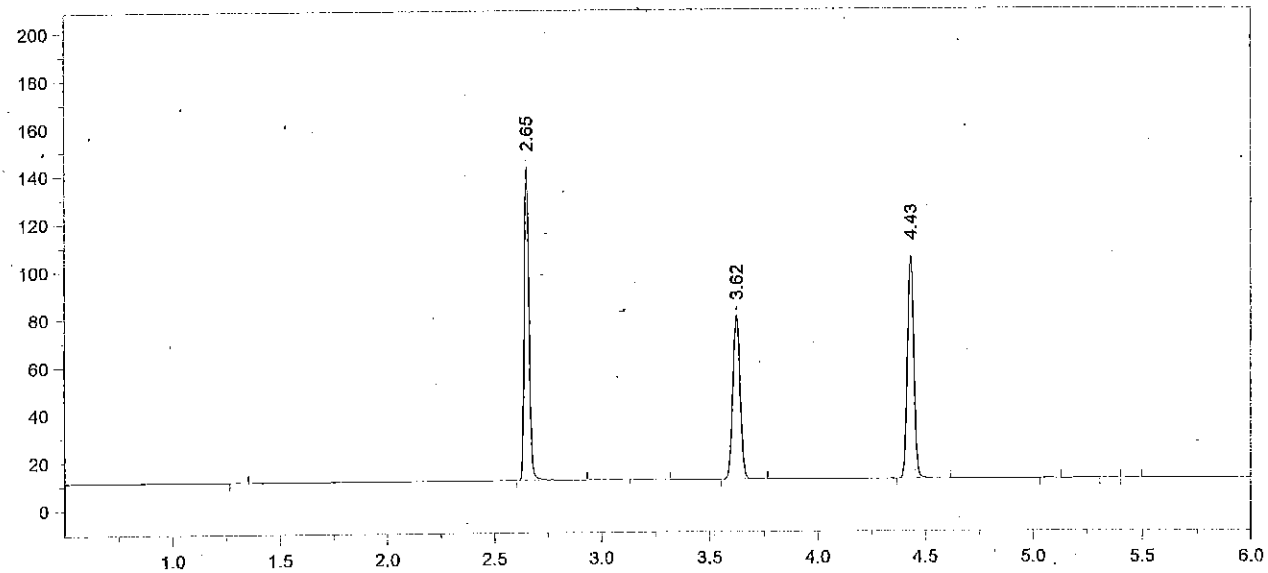
Today's Time = 7:24:36 AM

VFL Headspace Alcohol

Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87651	0.0848
4	3.63	t-Butanol	152323	0.9754
5	4.43	n-Propanol	199392	1.0000

1212090 8 AB

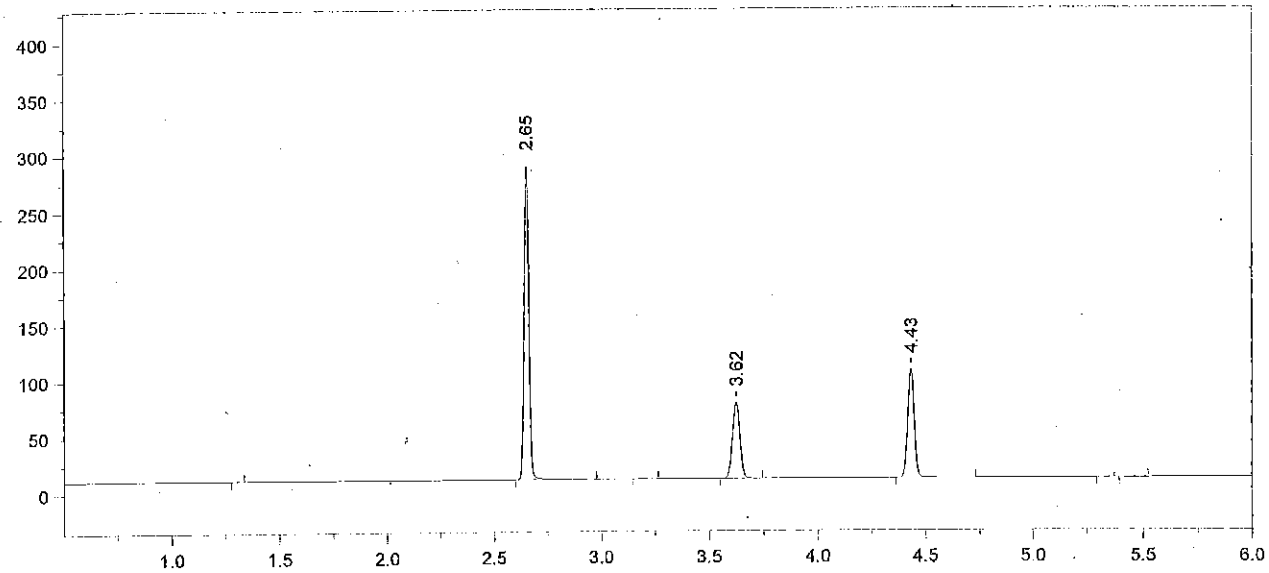


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:42 AM
Bound File Name = VFL03212014.0006.RAW
Sample Name = STD D
Date Taken = 3/21/2014 5:28:21 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	204398	0.1994
4	3.62	t-Butanol	159056	1.0274
5	4.43	n-Propanol	197666	1.0000

1212090 9 dcb

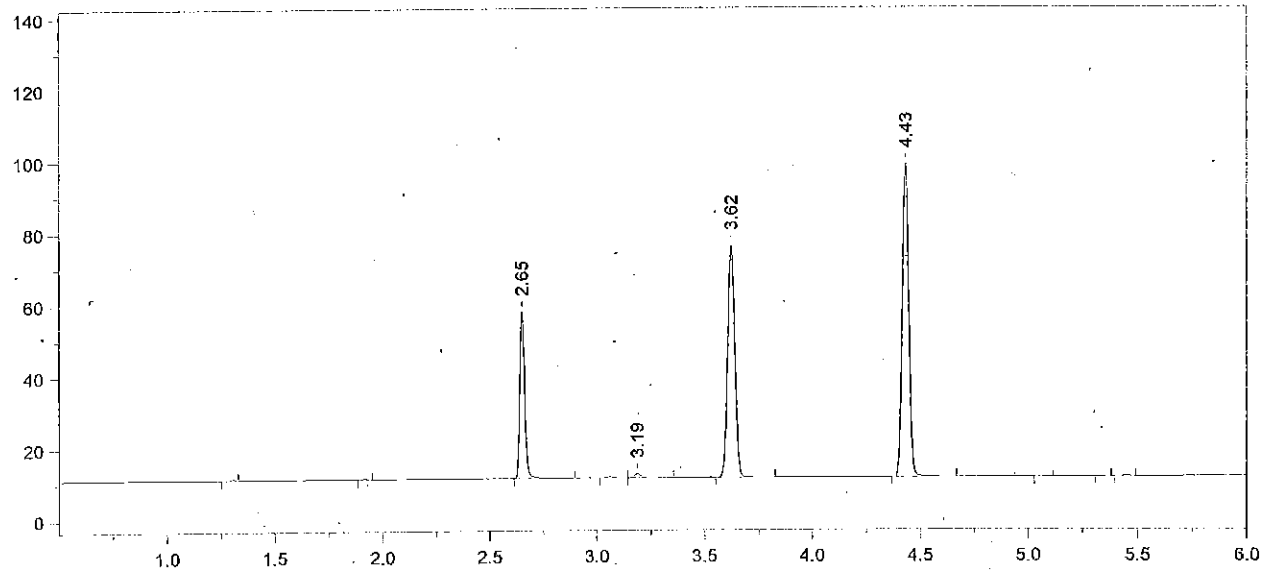


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:50 AM
Bound File Name = VFL03212014.0007.RAW
Sample Name = STD E
Date Taken = 3/21/2014 5:42:09 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	428128	0.4034
4	3.62	t-Butanol	156612	0.9771
5	4.43	n-Propanol	204642	1.0000

1212090 10 ALB

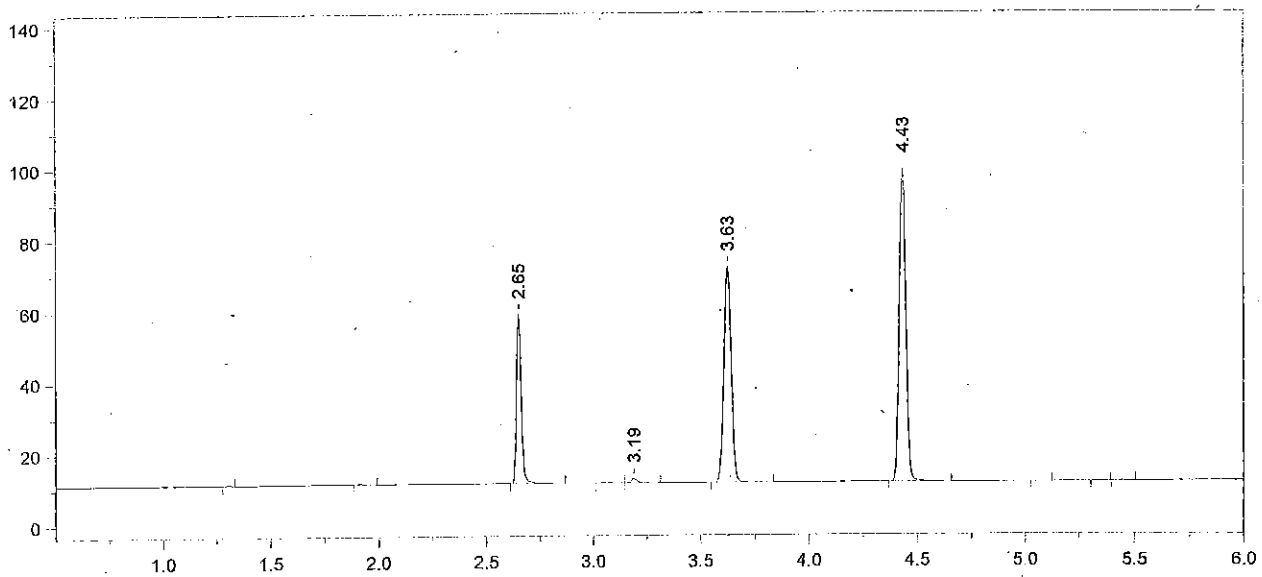


Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 5:59:50 PM
Bound File Name = VFL03212014.0008.RAW
Sample Name = WB QC
Date Taken = 3/21/2014 5:59:45 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	73172	0.0759
5	3.19	Isopropanol	02386	<0.004
6	3.62	t-Butanol	148968	1.0237
7	4.43	n-Propanol	185791	1.0000

1212090 11 ALB



Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 6:13:06 PM
Bound File Name = VFL03212014.0009.RAW
Sample Name = WB QC
Date Taken = 3/21/2014 6:13:01 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	74488	0.0771
5	3.19	Isopropanol	02332	<0.004
6	3.63	t-Butanol	139915	0.9588
7	4.43	n-Propanol	186313	1.0000

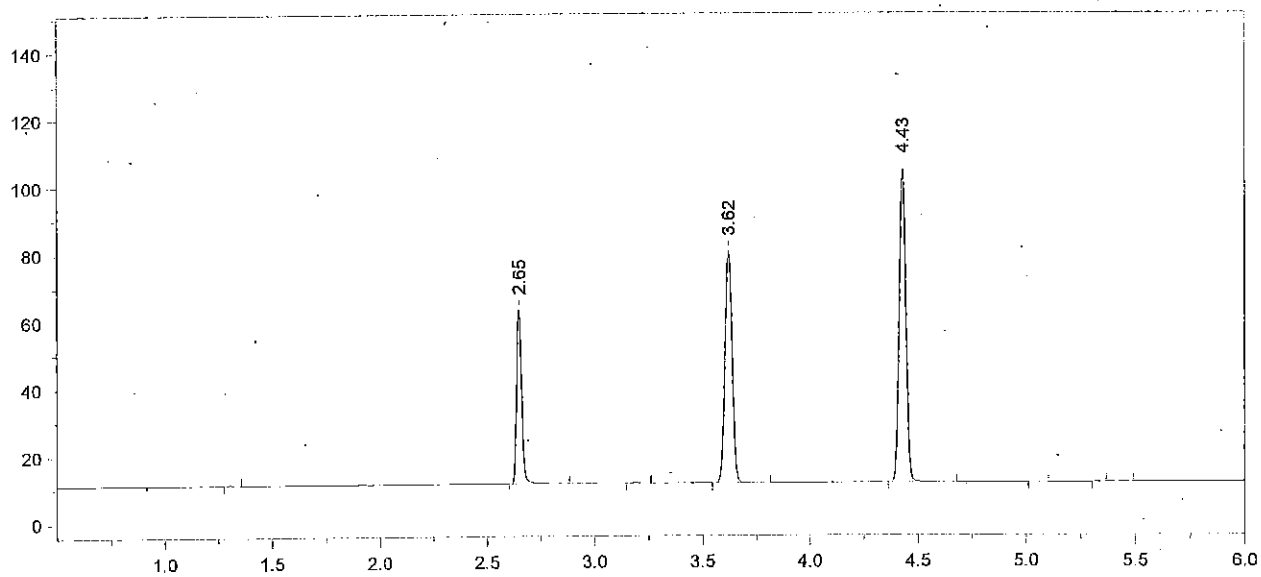
Avg vals 8 + 9 = 0.076

Cliniqa 1212090 TV = 0.078

97% recovery

3/24/14 dlb

1212090 12 dlb

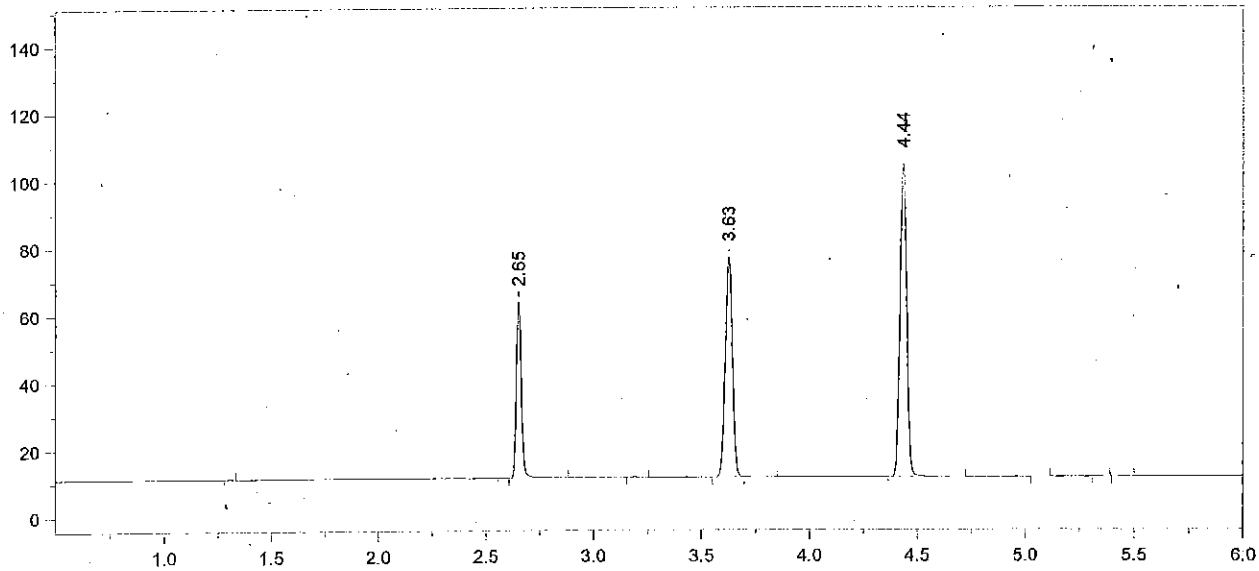


Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 6:31:18 PM
Bound File Name = VFL03212014.0010.RAW
Sample Name = AQ QC
Date Taken = 3/21/2014 6:31:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	81785	0.0795
4	3.62	t-Butanol	159369	1.0257
5	4.43	n-Propanol	198393	1.0000

17.17.090 13 AeB



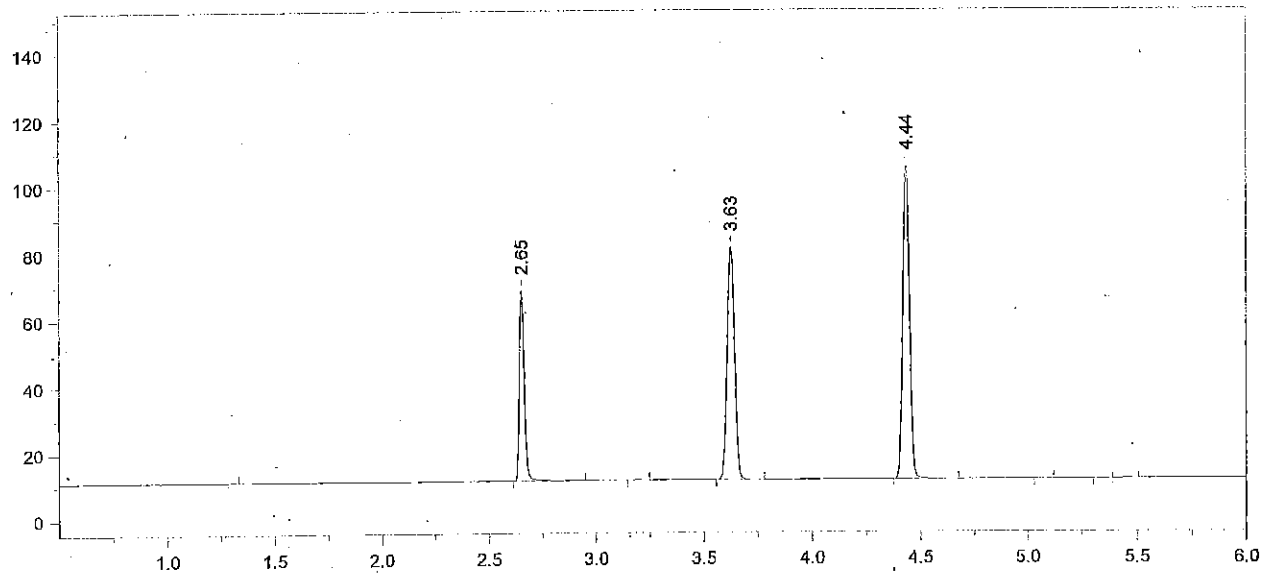
Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 6:45:20 PM
Bound File Name = VFL03212014.0011.RAW
Sample Name = AQ QC
Date Taken = 3/21/2014 6:45:11 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	82037	0.0797
4	3.63	t-Butanol	151445	0.9738
5	4.44	n-Propanol	198571	1.0000

Avg vials 10 ·11 = 0.079
Cerilliant FN021111-03
Tv = 0.080 99% recovery
dcb 3/24/14

1212090 14 dcb

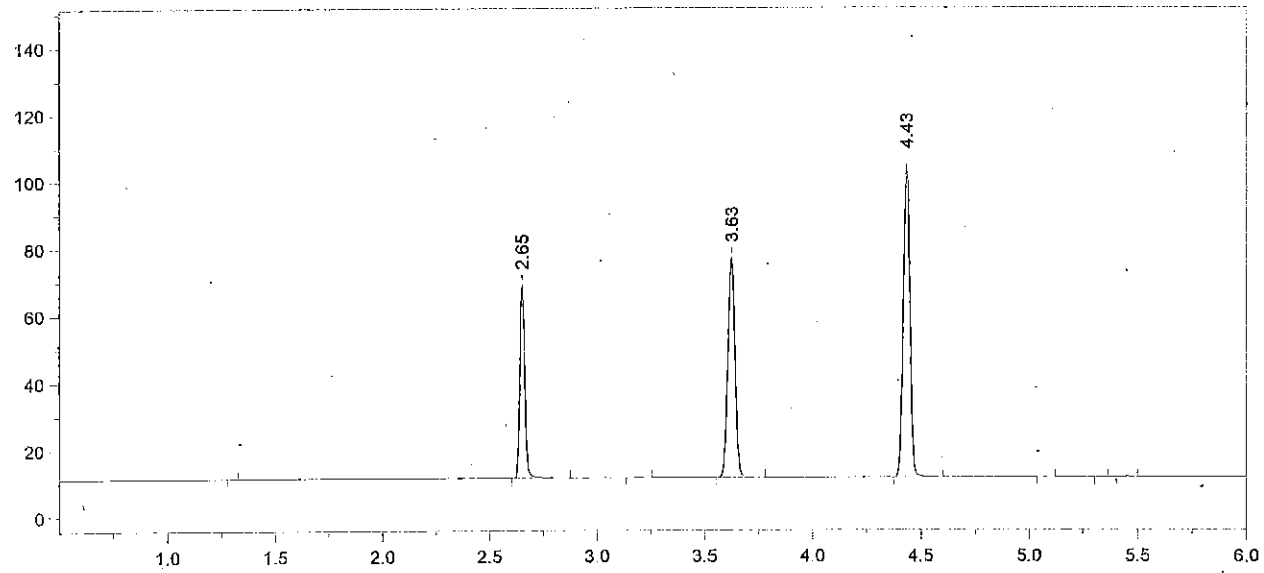


Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 7:02:43 PM
Bound File Name = VFL03212014.0012.RAW
Sample Name = CCS
Date Taken = 3/21/2014 7:02:39 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	89163	0.0860
4	3.63	t-Butanol	161497	1.0313
5	4.44	n-Propanol	199935	1.0000

12/2090 15 ACB



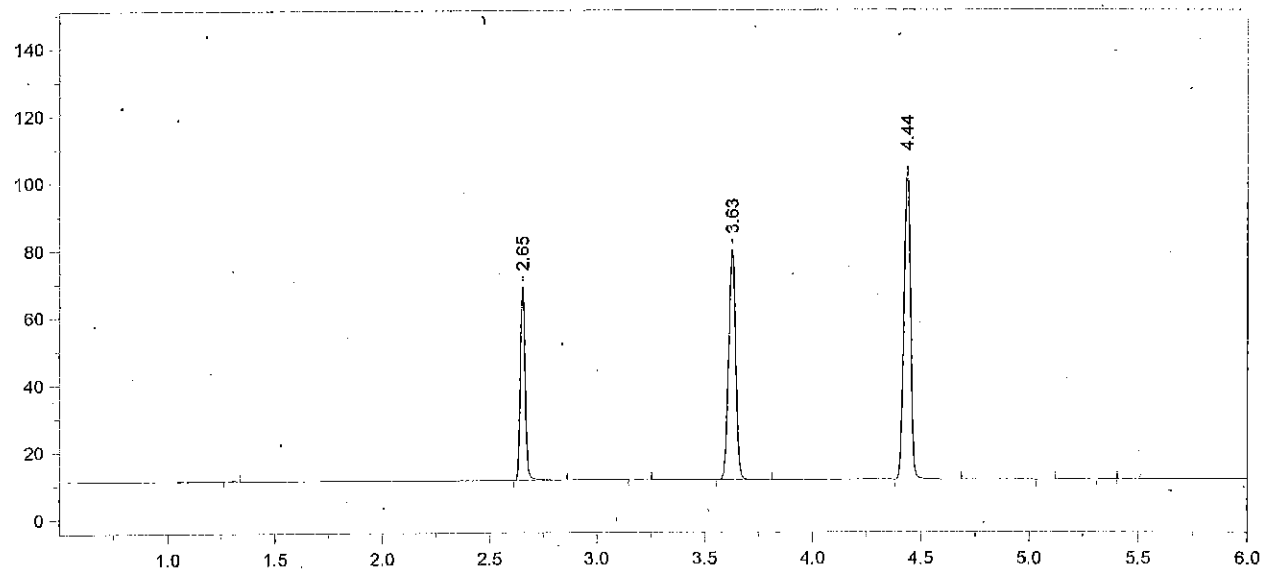
Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 7:16:02 PM
Bound File Name = VFL03212014.0013.RAW
Sample Name = CCS
Date Taken = 3/21/2014 7:15:57 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	90300	0.0878
4	3.63	t-Butanol	151576	0.9758
5	4.43	n-Propanol	198341	1.0000

Avg vals 12 + 13 = 0.087
3/24/14 dcs

1212090 16 dcs



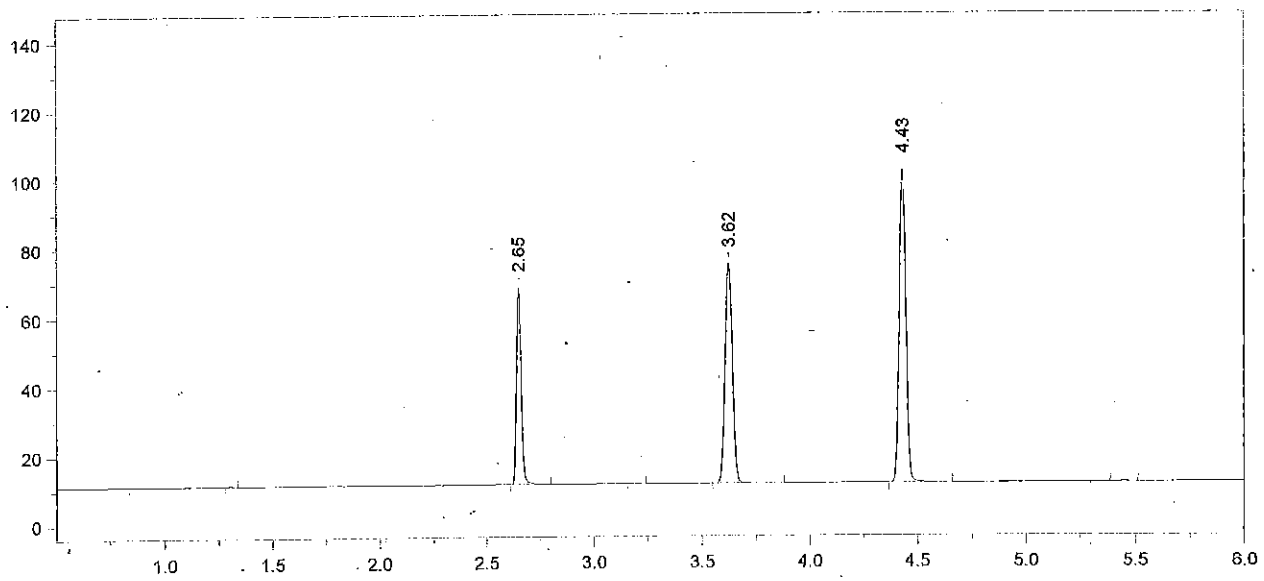
Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 8:35:26 PM
Bound File Name = VFL03212014.0018.RAW
Sample Name = CCS
Date Taken = 3/21/2014 8:35:17 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	89437	0.0868
4	3.63	t-Butanol	158407	1.0176
5	4.44	n-Propanol	198765	1.0000

1212090 17 AB

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Bound File Name = VFL03212014.0019.RAW
Sample Name = CCS
Date Taken = 3/21/2014 8:49:58 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL

Today's Time = 8:50:08 PM

VFL Headspace Alcohol

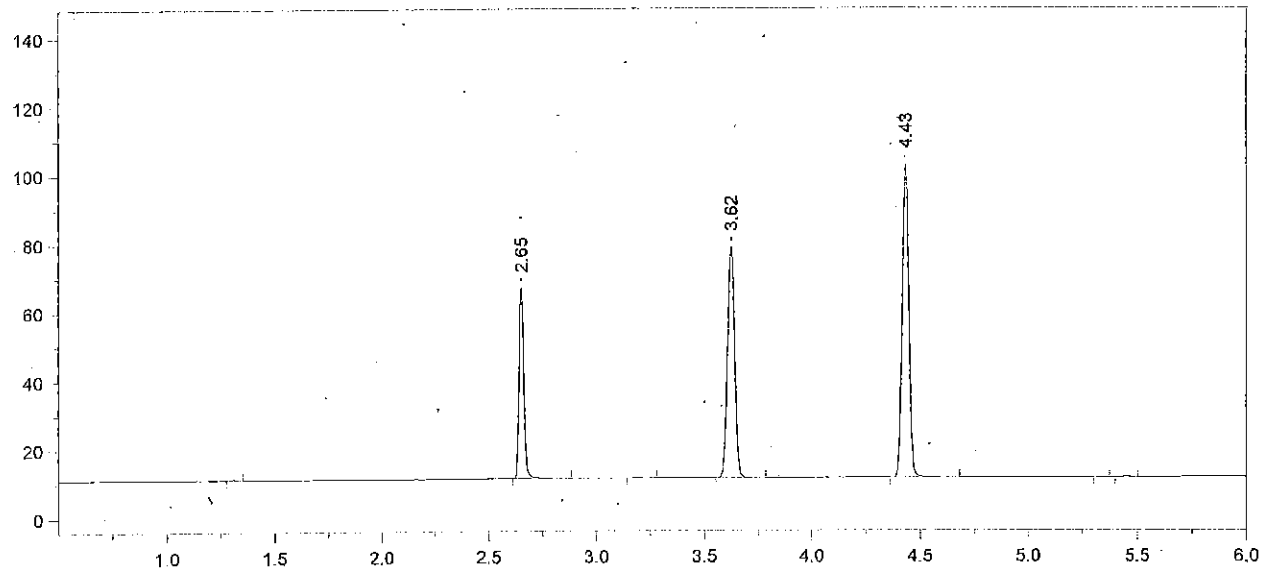
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	88357	0.0878
4	3.62	t-Butanol	147594	0.9712
5	4.43	n-Propanol	194039	1.0000

Avg vials 18 + 19 = 0.087

[illegible] 3/24/14

1717090 18 [illegible]



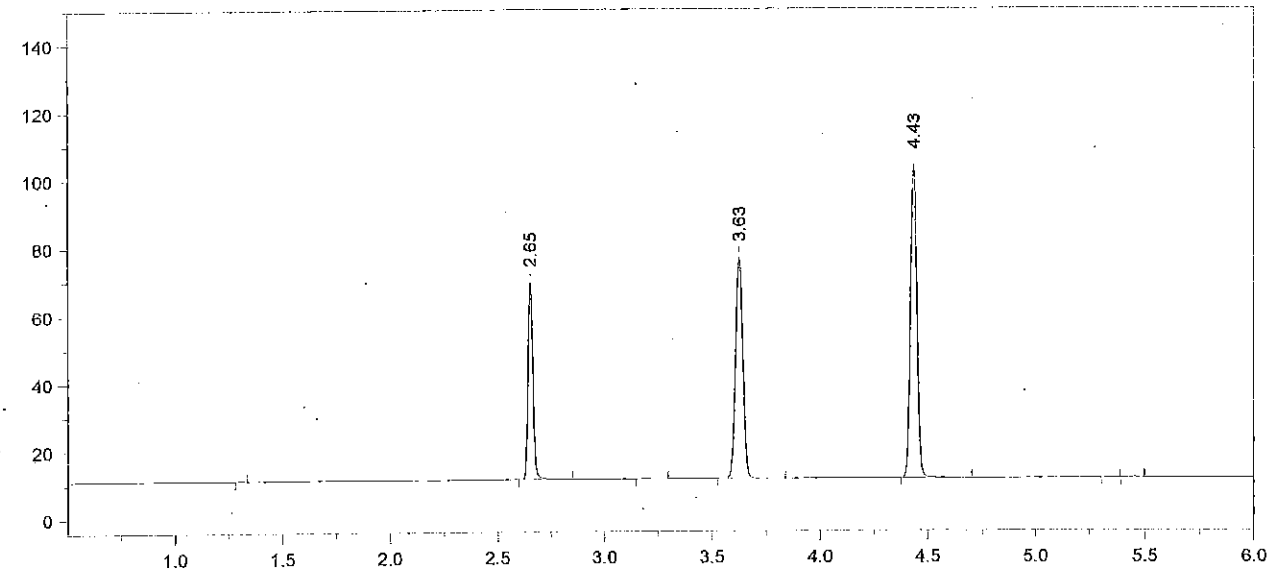
Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 11:42:18 PM
Bound File Name = VFL03212014.0030.RAW
Sample Name = CCS
Date Taken = 3/21/2014 11:42:13 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	87949	0.0874
4	3.62	t-Butanol	156464	1.0300
5	4.43	n-Propanol	193951	1.0000

1212090 19 DLB

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Bound File Name = VFL03212014.0031.RAW
Sample Name = CCS
Date Taken = 3/21/2014 11:56:01 PM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL

Today's Time = 11:56:10 PM

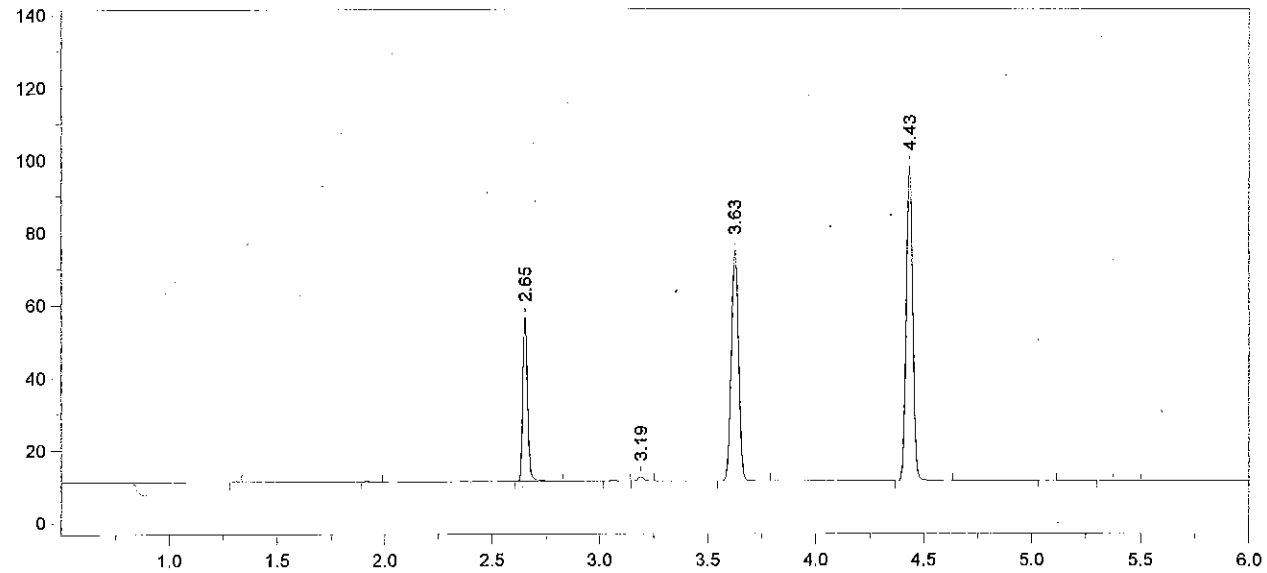
VFL Headspace Alcohol

Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	90260	0.0881
4	3.63	t-Butanol	151163	0.9772
5	4.43	n-Propanol	197509	1.0000

Avg vals 30 + 31 = 0.088
3/24/14 [illegible]

1717.090 20 [illegible]

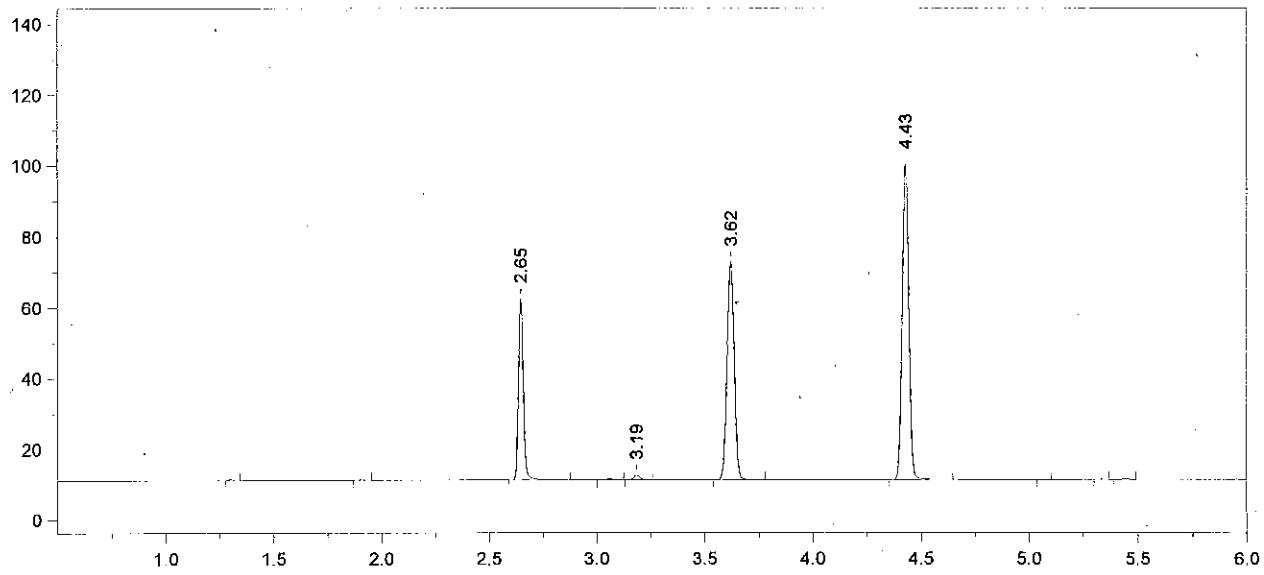


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 12:13:42 AM
Bound File Name = VFL03212014.0032.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 12:13:37 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	70685	0.0743
5	3.19	Isopropanol	02194	<0.004
6	3.63	t-Butanol	147662	1.0276
7	4.43	n-Propanol	183475	1.0000

17-17098

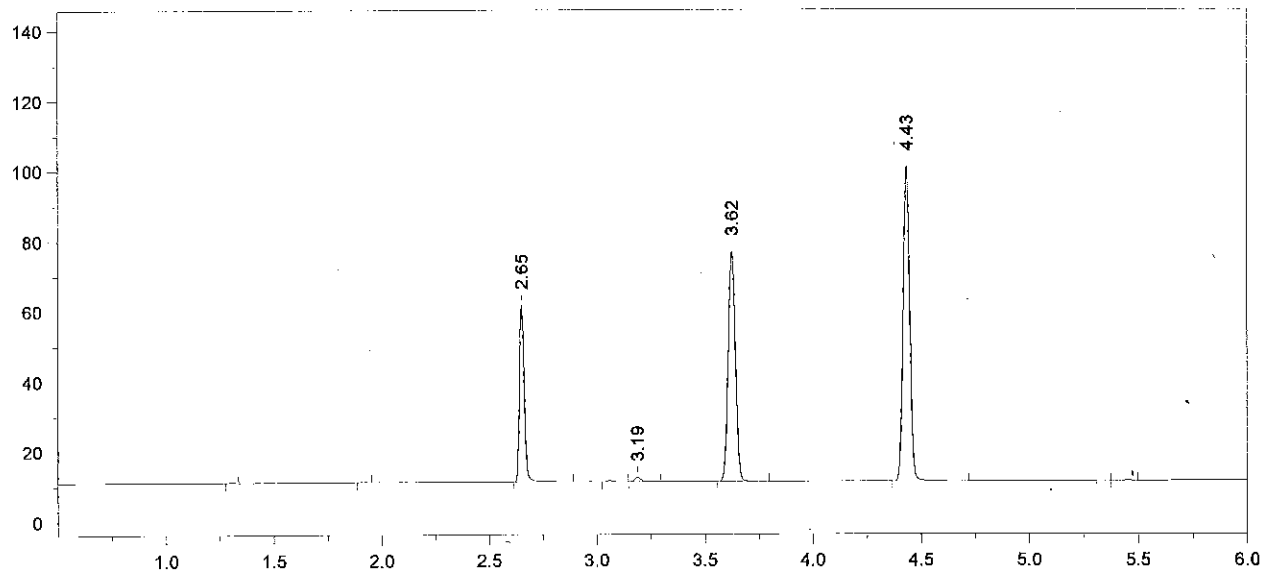


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 12:27:06 AM
Bound File Name = VFL03212014.0033.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 12:26:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	79799	0.0813
5	3.19	Isopropanol	02426	<0.004
6	3.62	t-Butanol	142373	0.9607
7	4.43	n-Propanol	189221	1.0000

1212090 22 DLB

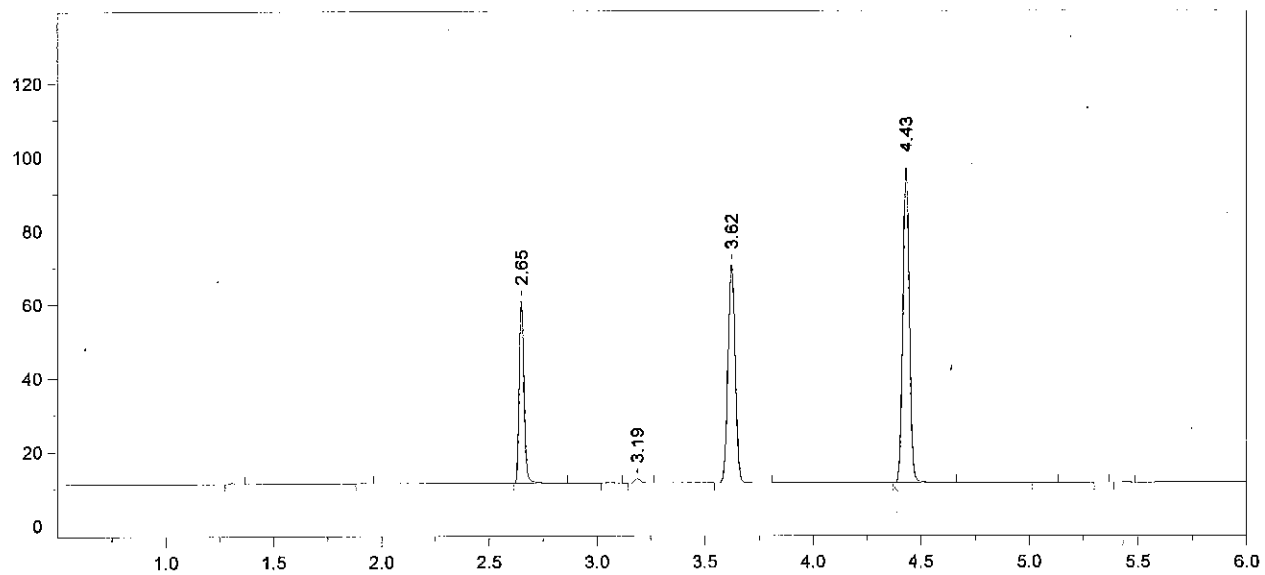


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 12:43:34 AM
Bound File Name = VFL03212014.0034.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 12:43:24 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	79915	0.0809
5	3.19	Isopropanol	02496	<0.004
6	3.62	t-Butanol	152050	1.0190
7	4.43	n-Propanol	190515	1.0000

17.17.09D 23 A&B

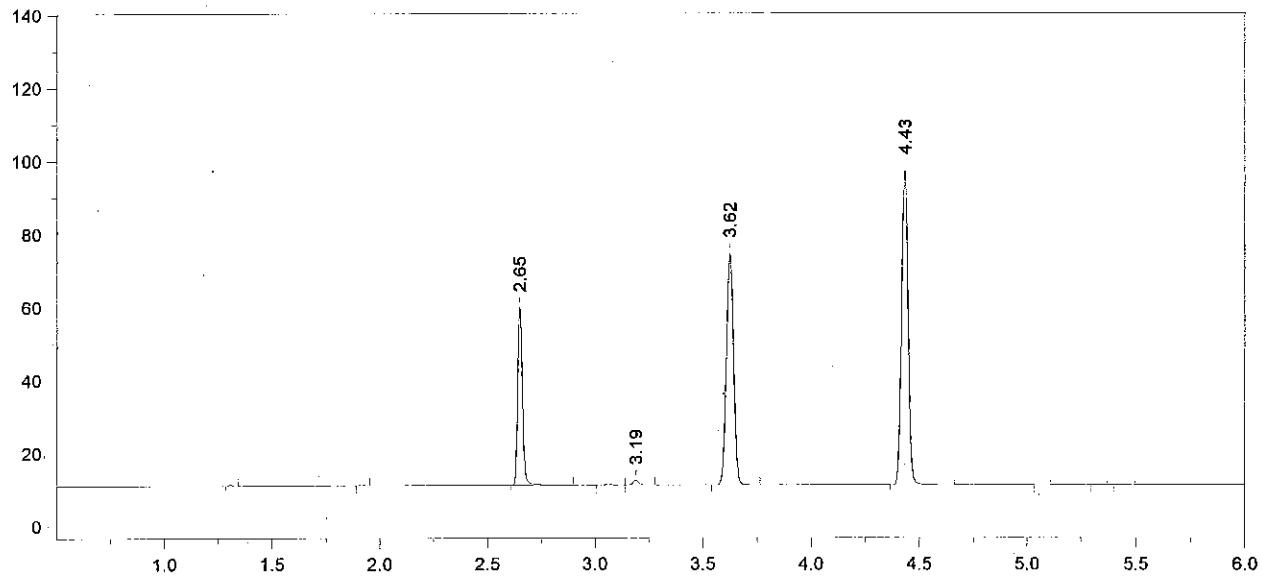


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 12:59:16 AM
Bound File Name = VFL03212014.0035.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 12:59:07 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	77386	0.0820
5	3.19	Isopropanol	02301	<0.004
6	3.62	t-Butanol	136901	0.9610
7	4.43	n-Propanol	181898	1.0000

121090 24 AB

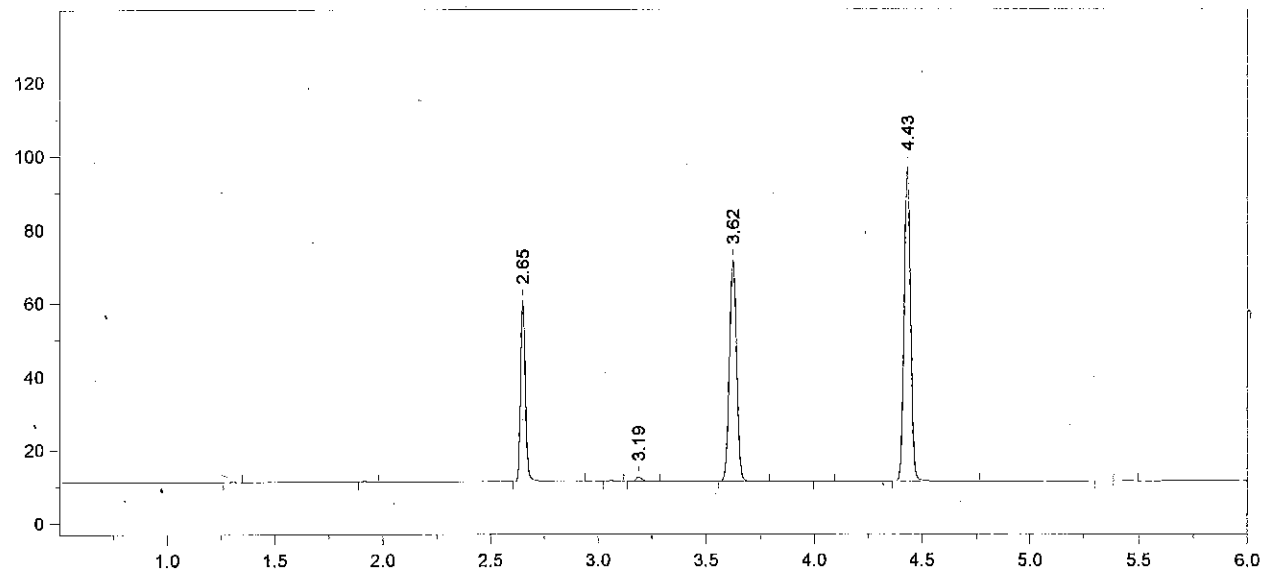


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 1:15:02 AM
Bound File Name = VFL03212014.0036.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 1:14:55 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	76551	0.0804
5	3.19	Isopropanol	02452	<0.004
6	3.62	t-Butanol	146886	1.0220
7	4.43	n-Propanol	183503	1.0000

1212090 25 AB

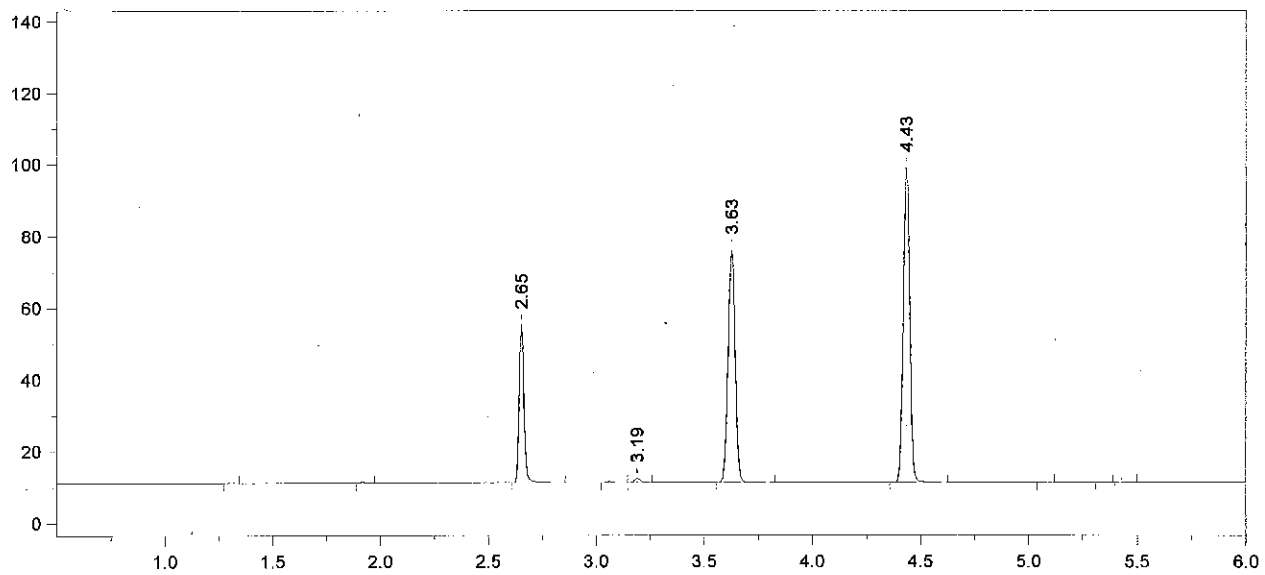


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 1:29:45 AM
Bound File Name = VFL03212014.0037.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 1:29:36 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	77586	0.0817
5	3.19	Isopropanol	02359	<0.004
6	3.62	t-Butanol	138996	0.9694
8	4.43	n-Propanol	183081	1.0000

17.17.09D 26

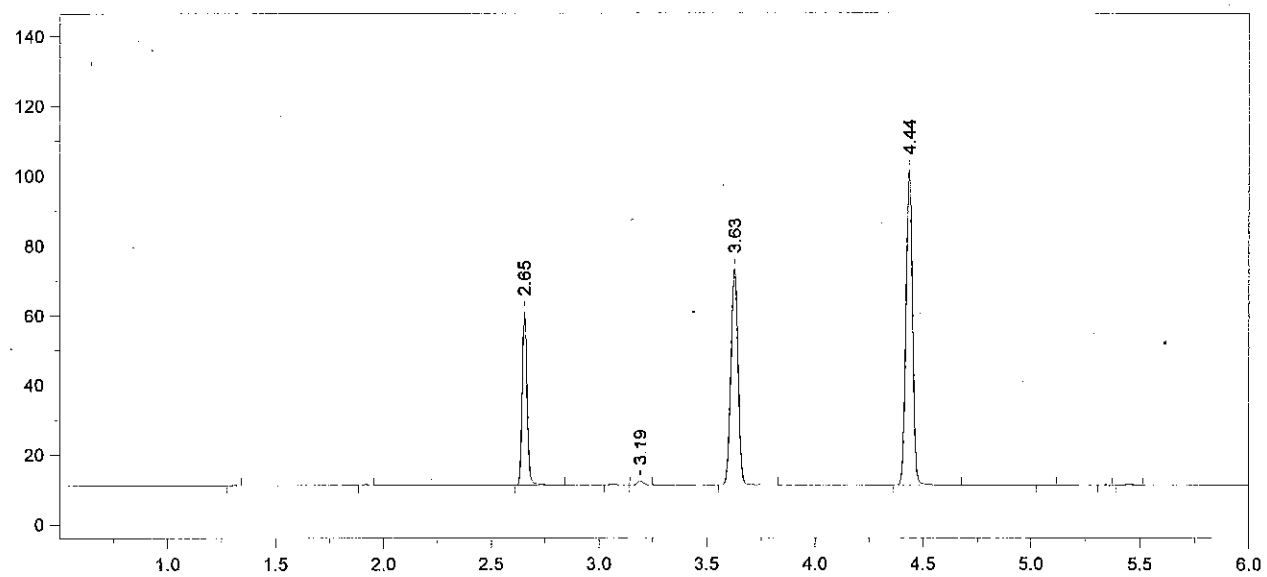


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 1:46:31 AM
Bound File Name = VFL03212014.0038.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 1:46:22 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	69051	0.0712
5	3.19	Isopropanol	02169	<0.004
6	3.63	t-Butanol	149908	1.0239
7	4.43	n-Propanol	186940	1.0000

1212090 27

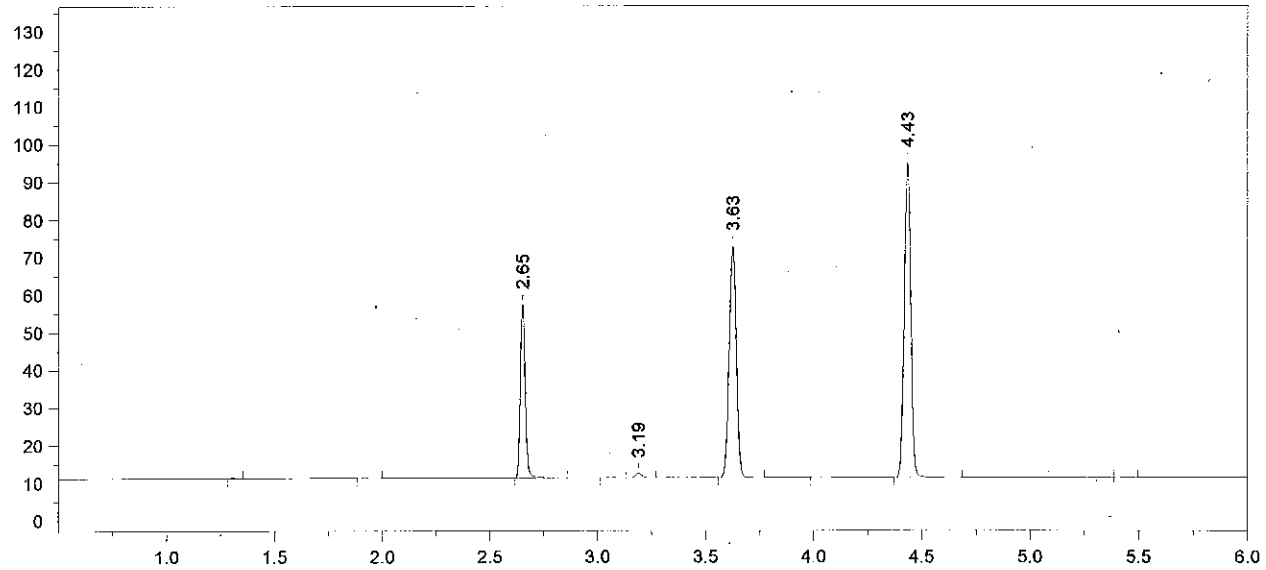


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 1:59:43 AM
Bound File Name = VFL03212014.0039.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 1:59:38 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	77845	0.0784
5	3.19	Isopropanol	02315	<0.004
6	3.63	t-Butanol	143550	0.9574
7	4.44	n-Propanol	191440	1.0000

1212090 28 AB

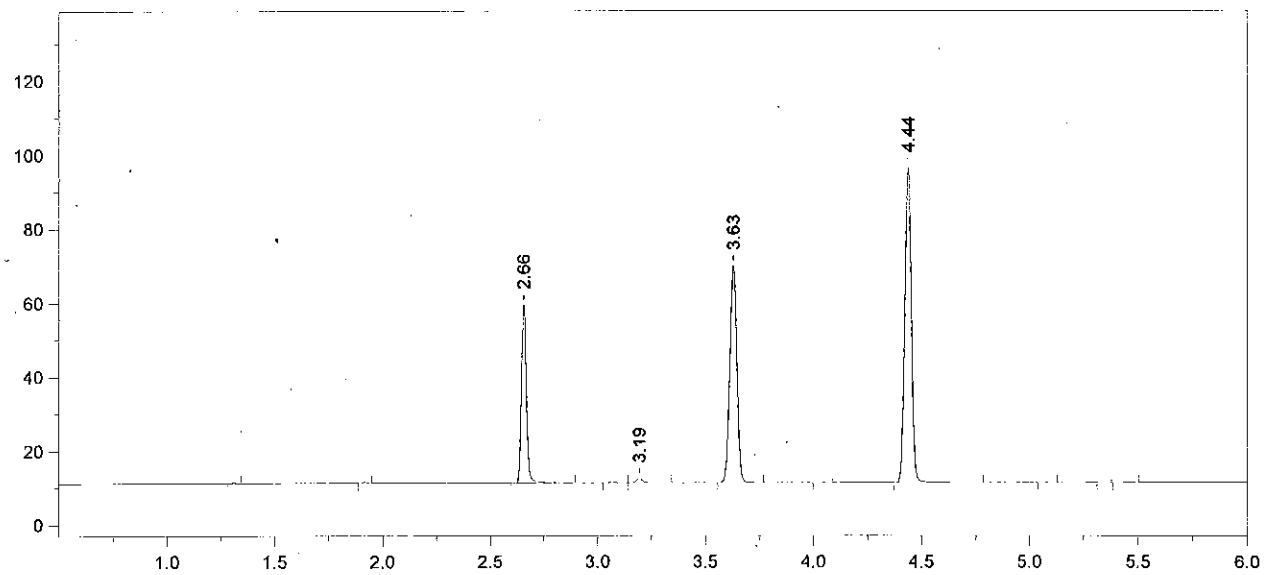


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014 Today's Time = 2:17:57 AM
Bound File Name = VFL03212014.0040.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 2:17:52 AM VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.65	Ethanol	72500	0.0787
5	3.19	Isopropanol	02269	<0.004
6	3.63	t-Butanol	142521	1.0242
8	4.43	n-Propanol	177668	1.0000

121090 7.9 AeB

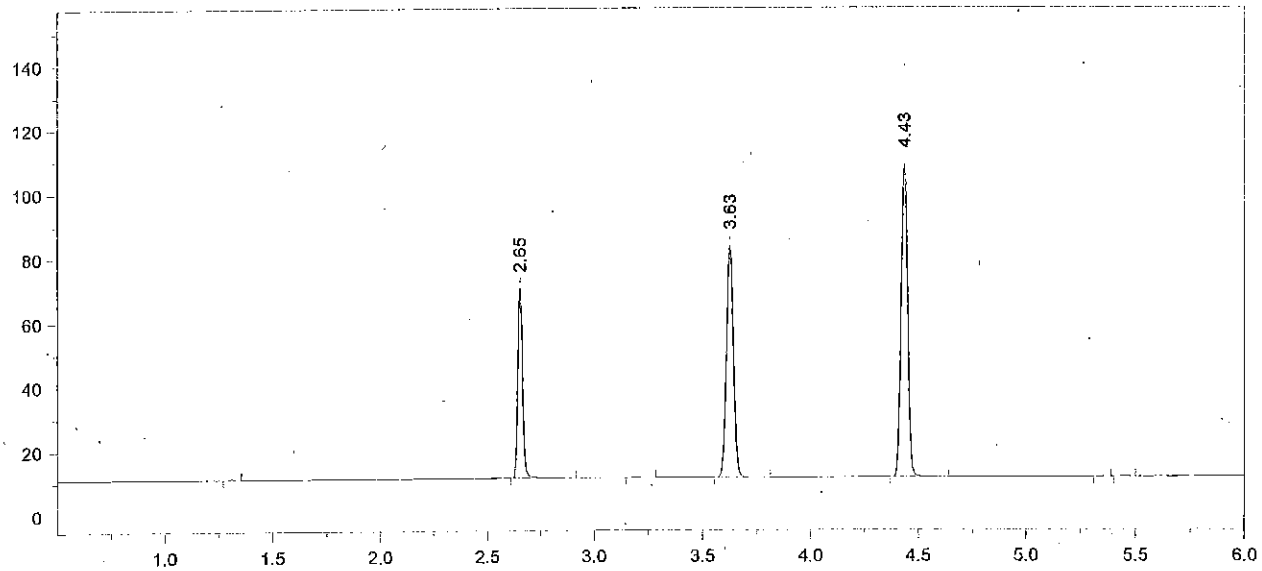


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 2:31:42 AM
Bound File Name = VFL03212014.0041.RAW
Sample Name = WB LEVEL 1
Date Taken = 3/22/2014 2:31:35 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	76141	0.0813
5	3.19	Isopropanol	02375	<0.004
6	3.63	t-Butanol	136161	0.9632
8	4.44	n-Propanol	180497	1.0000

1212090 30

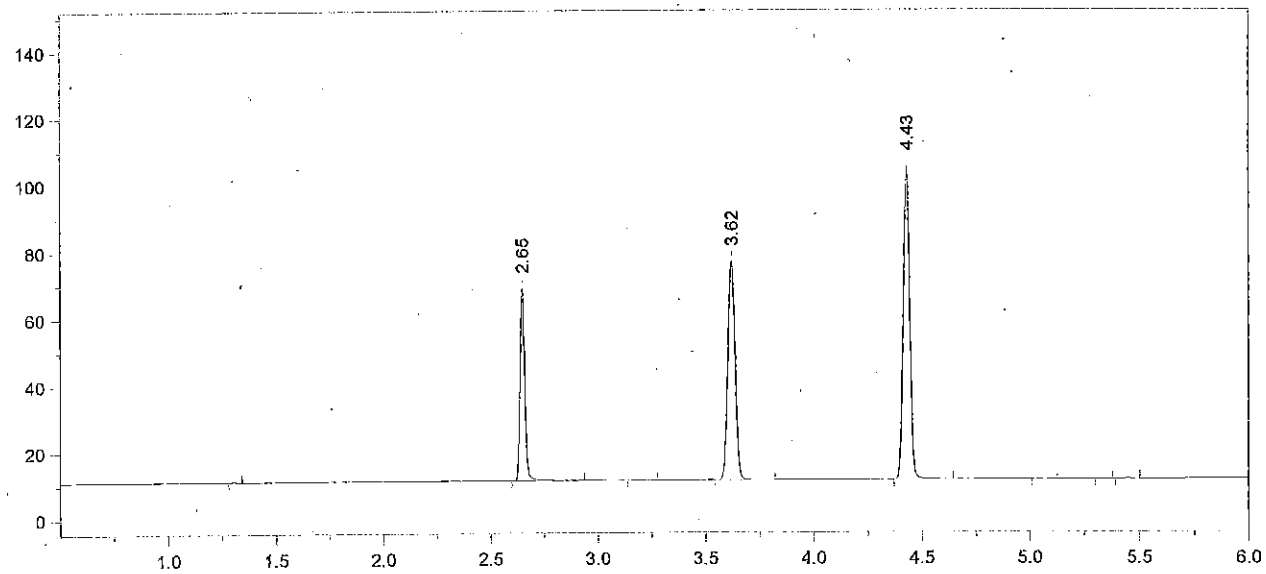


Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 2:47:43 AM
Bound File Name = VFL03212014.0042.RAW
Sample Name = CCS
Date Taken = 3/22/2014 2:47:38 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	92400	0.0857
4	3.63	t-Butanol	167077	1.0262
5	4.43	n-Propanol	207875	1.0000

1712090 31



Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Bound File Name = VFL03212014.0043.RAW
Sample Name = CCS
Date Taken = 3/22/2014 3:03:07 AM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL

Today's Time = 3:03:13 AM

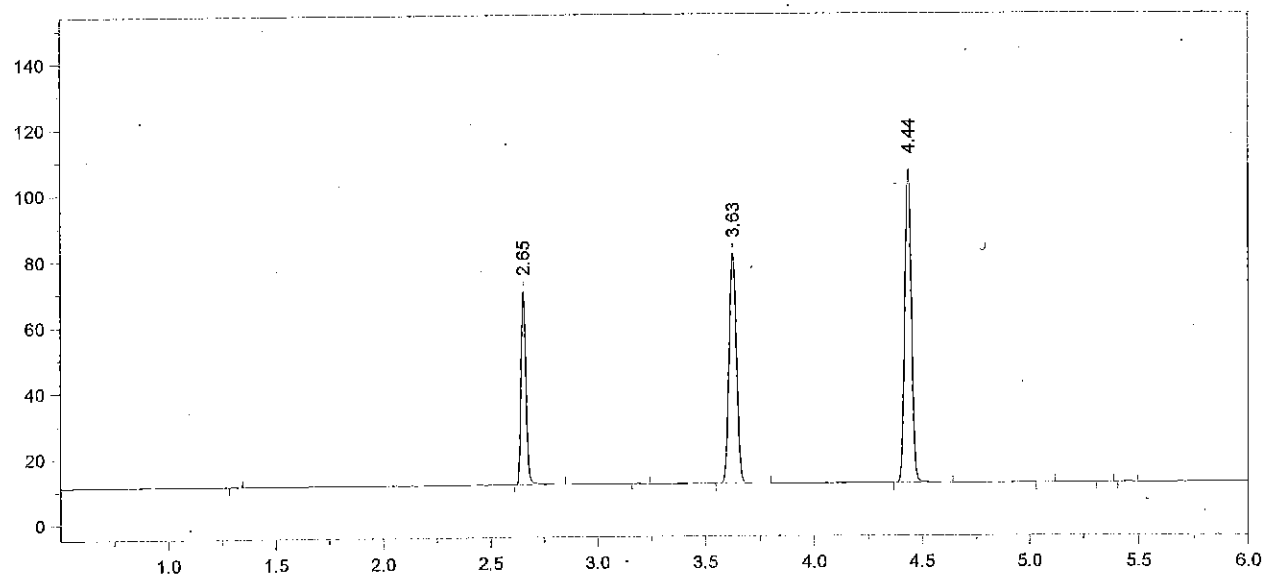
VFL Headspace Alcohol

Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	90781	0.0882
4	3.62	t-Butanol	152002	0.9778
5	4.43	n-Propanol	198478	1.0000

Avg vials 42 + 43 = 0.087
3/24/14 [illegible]

1717090 32 [illegible]



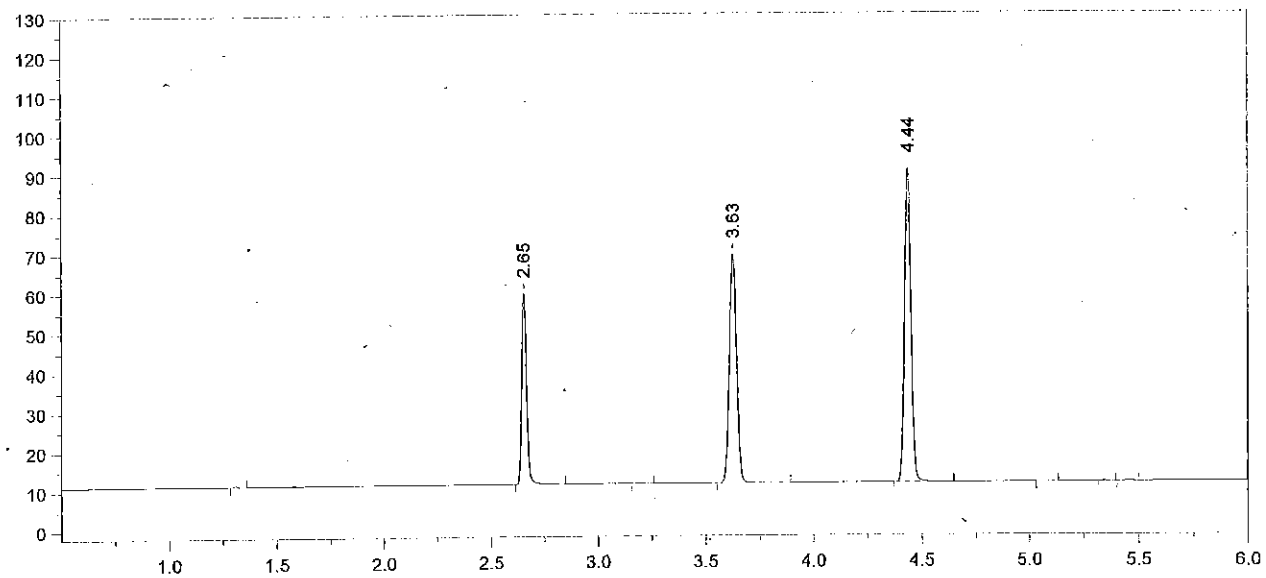
Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 5:52:03 AM
Bound File Name = VFL03212014.0054.RAW
Sample Name = CCS
Date Taken = 3/22/2014 5:51:53 AM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	91270	0.0869
4	3.63	t-Butanol	161854	1.0200
5	4.44	n-Propanol	202603	1.0000

12/2090 33

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Bound File Name = VFL03212014.0055.RAW
Sample Name = CCS
Date Taken = 3/22/2014 6:07:55 AM
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL

Today's Time = 6:08:01 AM

VFL Headspace Alcohol

Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	75798	0.0871
4	3.63	t-Butanol	134165	1.0202
5	4.44	n-Propanol	167913	1.0000

Avg vals 54 + 55 = 0.087
3/24/14
[illegible]

1217090 34 [illegible]