VERMONT FORENSIC LABORATORY

~~BLOOD~~ ALCOHOL DATA REVIEW CHECKLIST

AB 3/24/14

~~AGENCY CASE#~~: Cerilliant EtOH-200 **ANALYST:** AB

~~LAB~~ #: Lot # FN032712-01

TECHNICAL REVIEWER: RM **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?
- 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:** 3/25/2014

- 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: [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

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 ds

QC confirmation not included 3/24/14 ds

QC confirmation not included 3/24/14 ds

QC confirmation not included 3/24/14 ds

QC confirmation not included 3/24/14 ds

ES-03182014
TMX-08122013
IS-03202014
WB- Cliniqa 1212090 (old) 3/24/14 ds
AQ Cerilliant FN021111-03

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

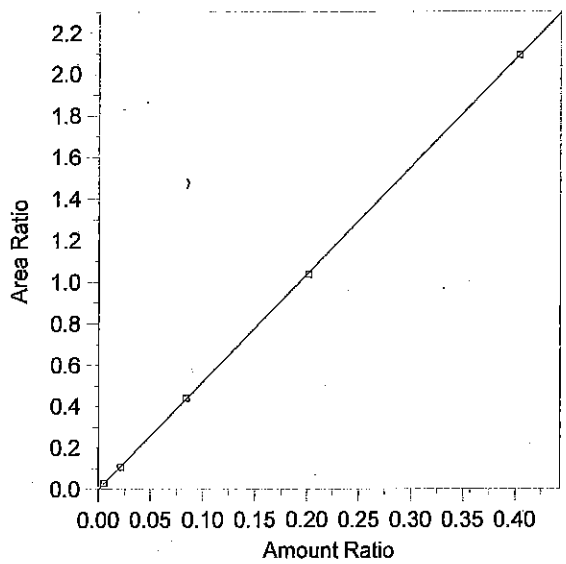
Creator:
Description:
Reason for change:

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

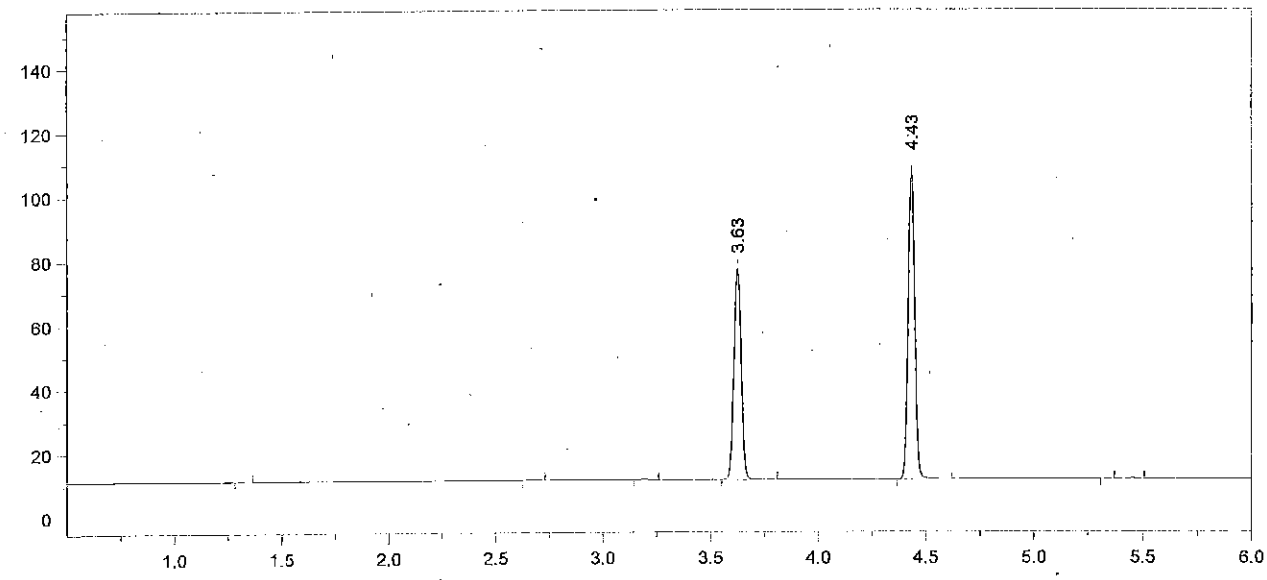
Y = 5.185699 X + 0

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

FN032712-01 2

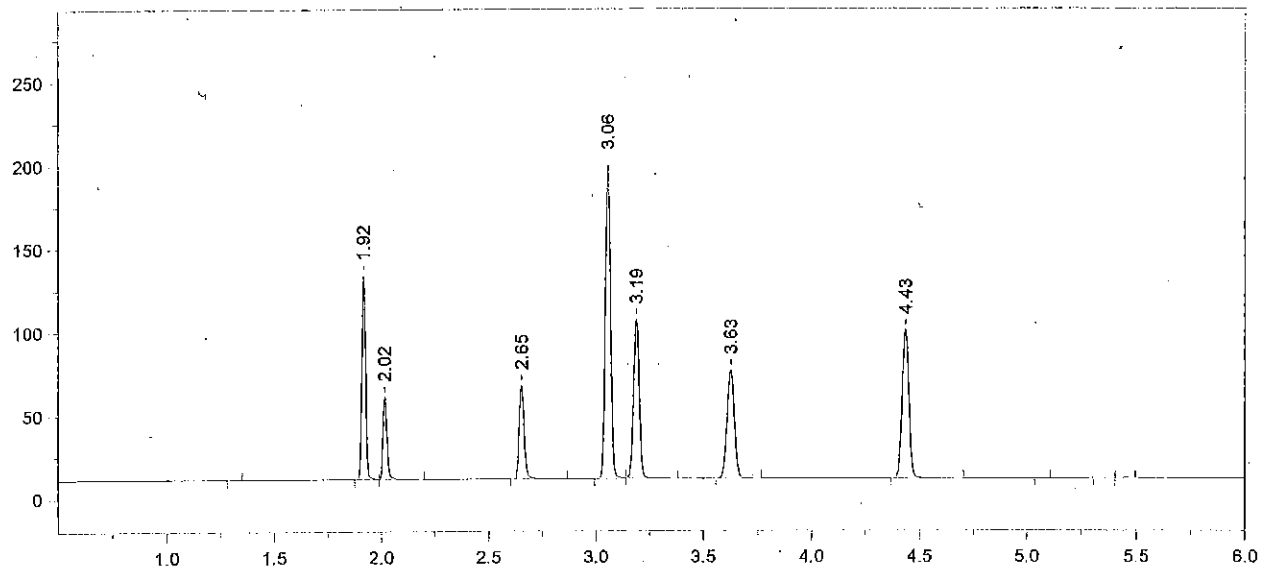


Format File Name = AlcoholVFL.FMT

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

3/24/14 FN FN032712-01 3

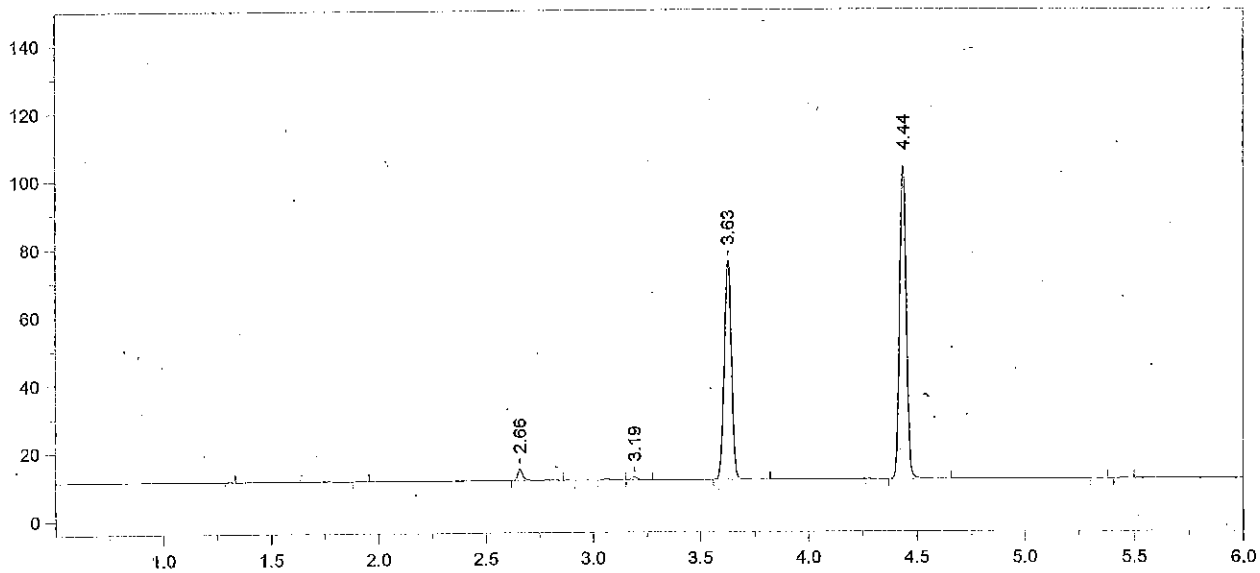


Format File Name = AlcoholVFL.FMT

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

FN032712-01 4 AeB

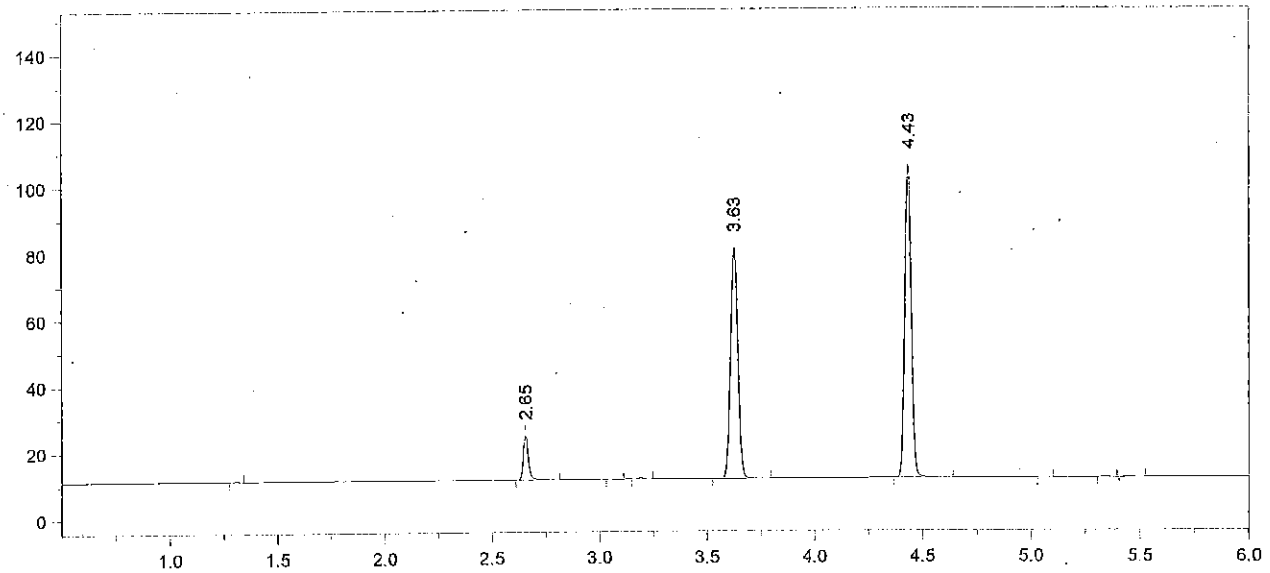


Format File Name = AlcoholVFL.FMT

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

FN032712-01 5 AB

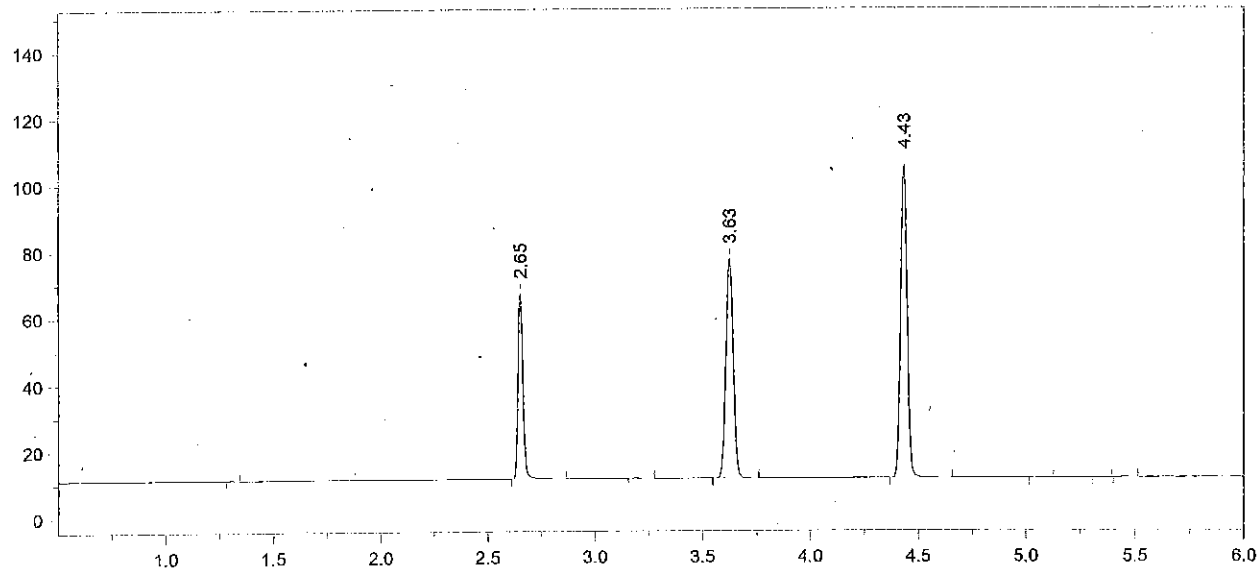


Format File Name = AlcoholVFL.FMT

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

FN032712-01 6 [illegible]

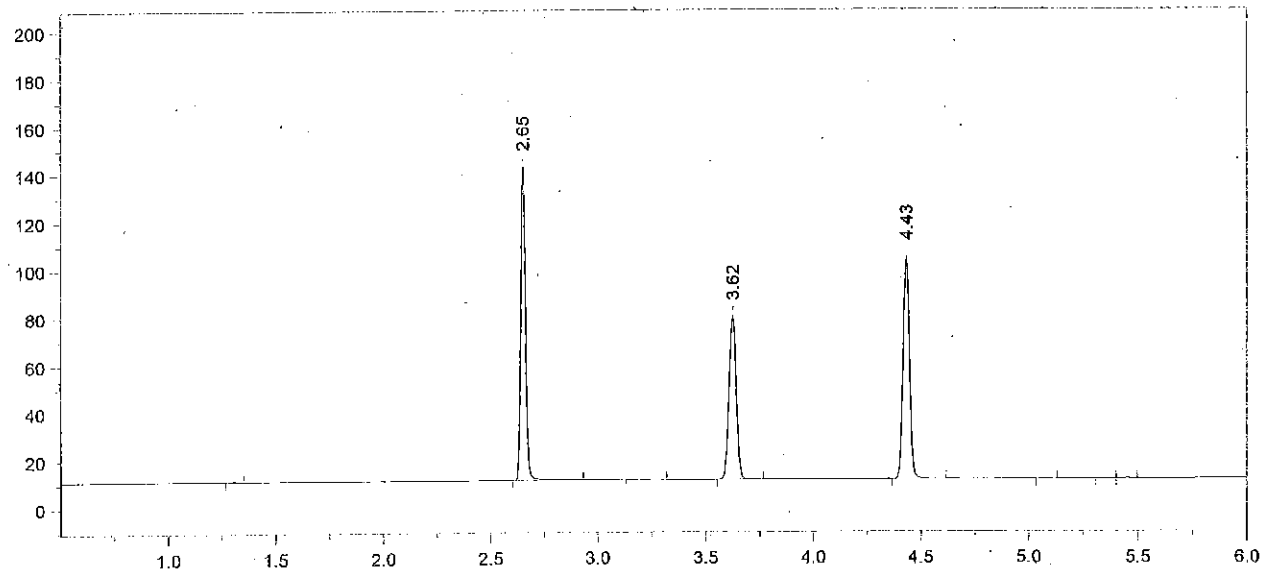


Format File Name = AlcoholVFL.FMT

Today's Date = 3/24/2014
Today's Time = 7:24:36 AM
Bound File Name = VFL03212014.0005.RAW
Sample Name = STD C
Date Taken = 3/21/2014 5:10:40 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	87651	0.0848
4	3.63	t-Butanol	152323	0.9754
5	4.43	n-Propanol	199392	1.0000

FN032712-01 7

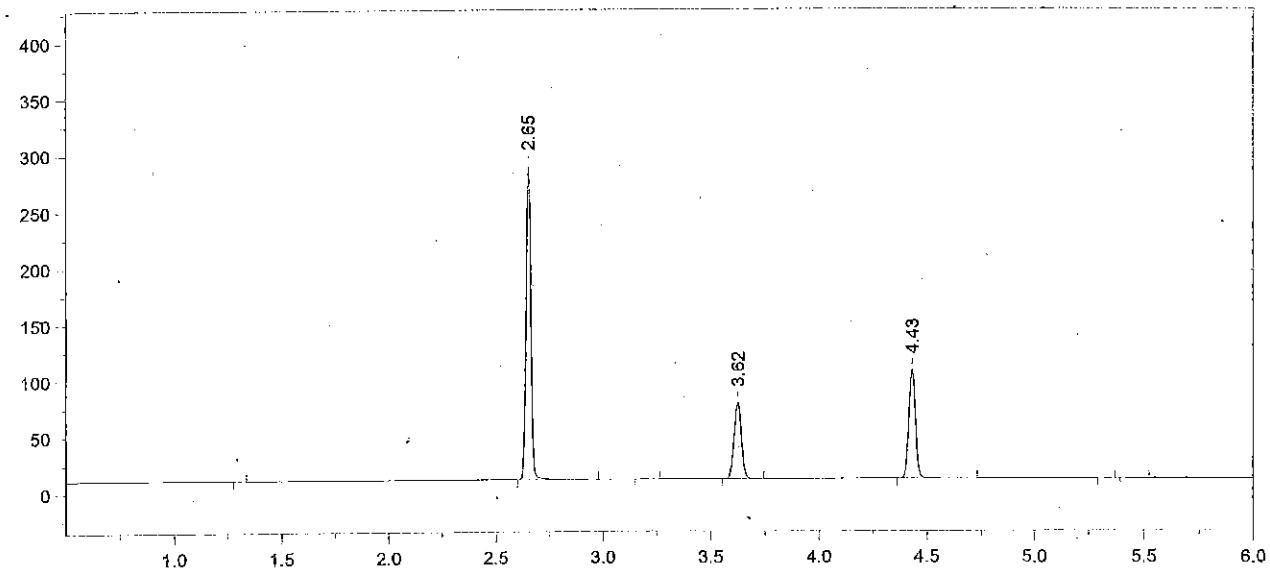


Format File Name = AlcoholVFL.FMT

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

FN032712-01 8 [illegible]



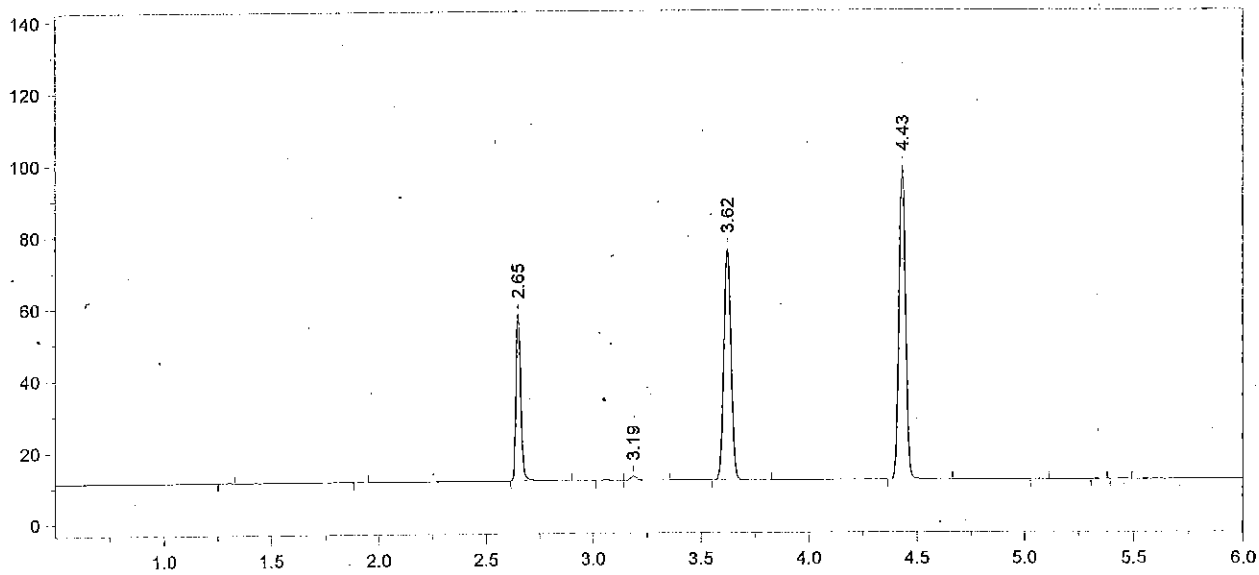
Format File Name = AlcoholVFL.FMT

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

FN032712-01 9 AcB

Chrom Perfect Chromatogram Report



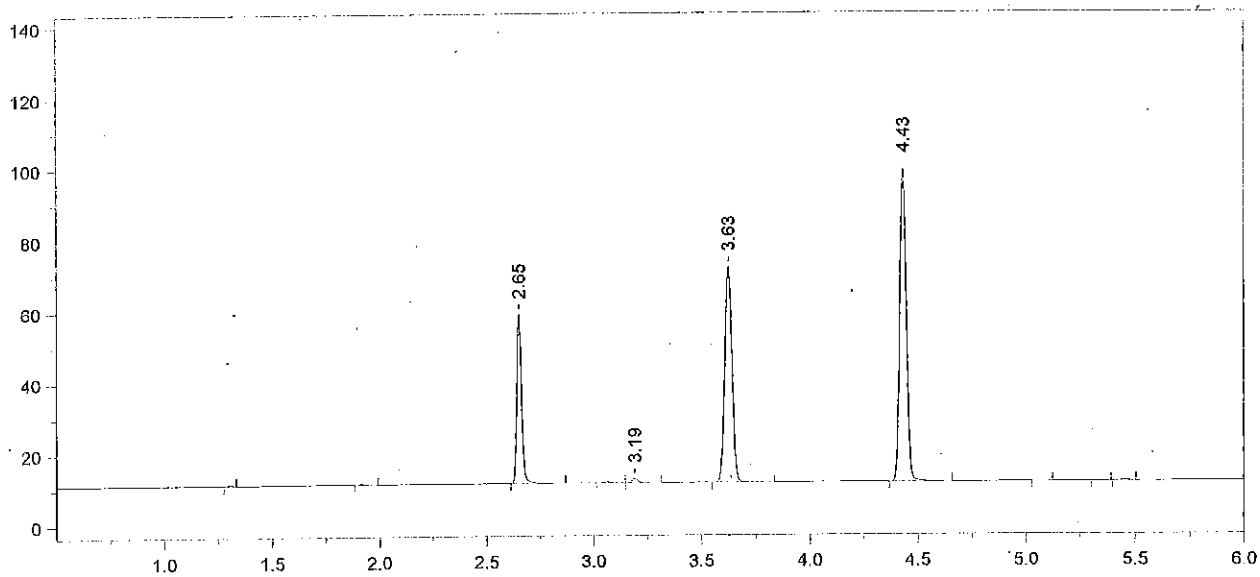
Format File Name = AlcoholVFL.FMT

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

FN032712-01 10 AB

Chrom Perfect Chromatogram Report



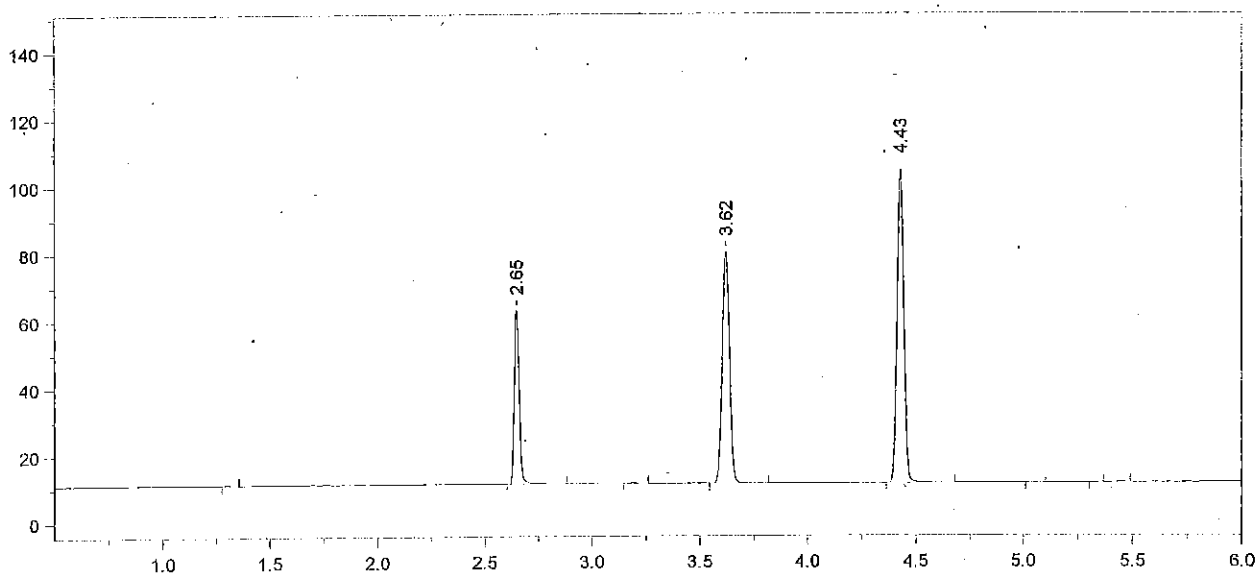
Format File Name = AlcoholVFL.FMT

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 vials 8 + 9 = 0.076
Clinica 1212090 TV = 0.078
97% recovery
3/24/14 [illegible]

FN032712-01 11 [illegible]

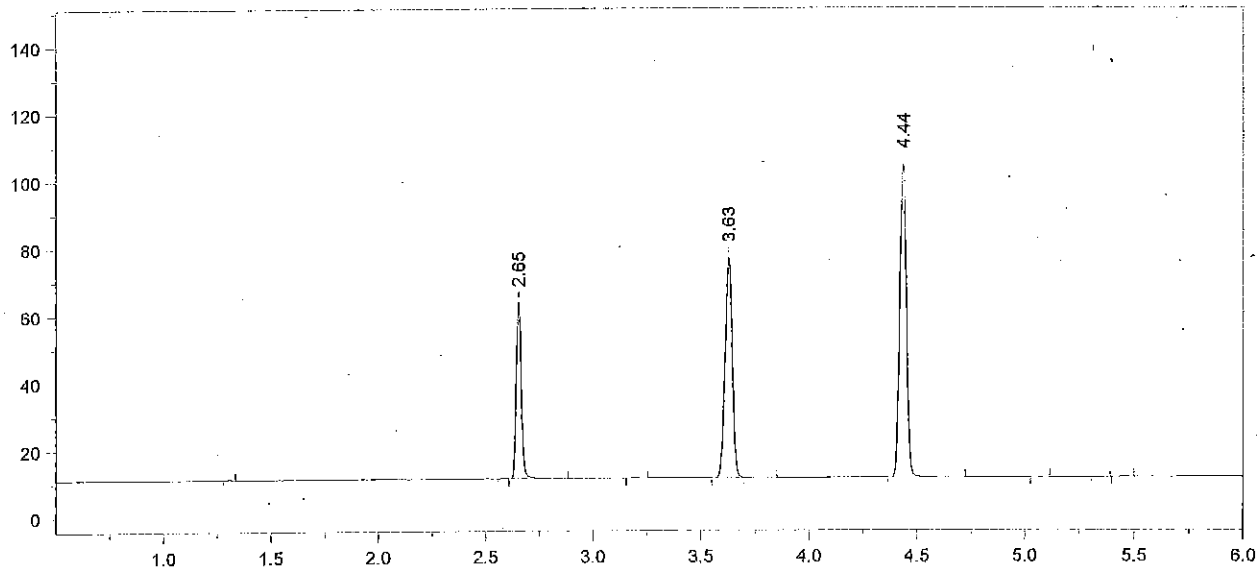


Format File Name = AlcoholVFL.FMT

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

FN032712-01 12 SLB



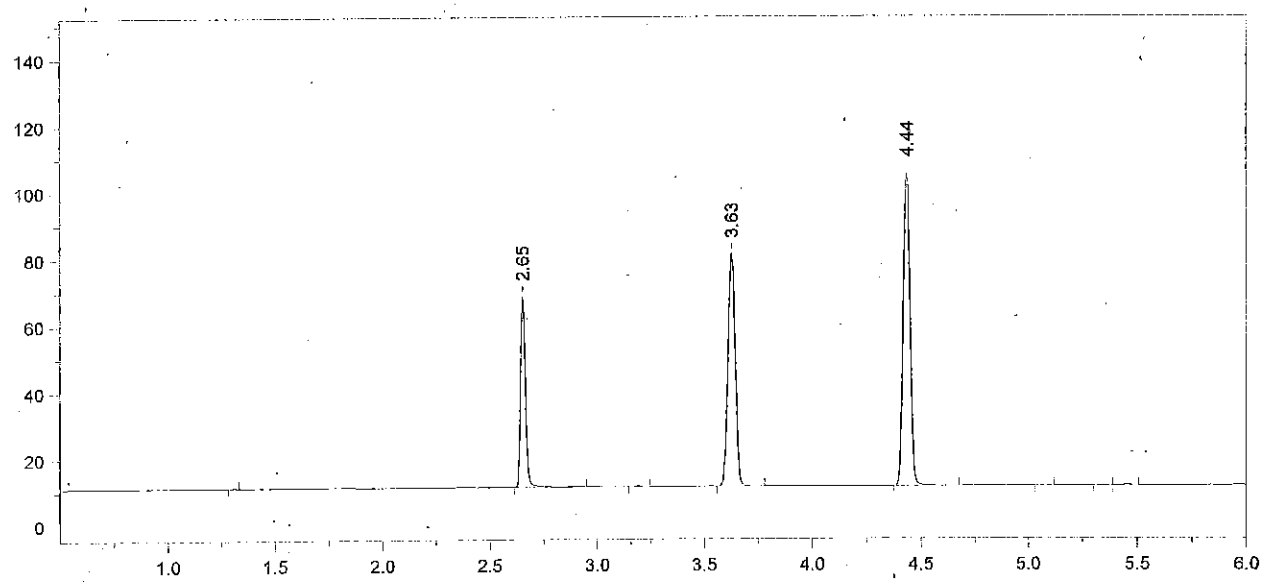
Format File Name = AlcoholVFL.FMT

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
Ceilliant FN021111-03
TV = 0.080 99% recovery
[illegible] 3/24/14

FN032712-01 13 [illegible]

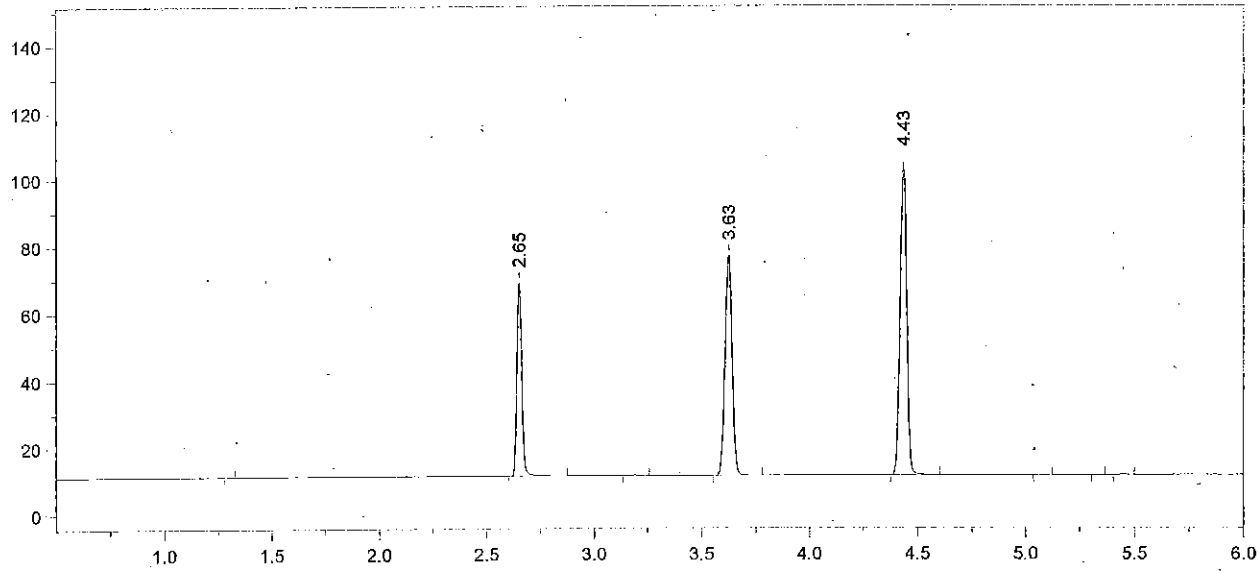


Format File Name = AlcoholVFL.FMT

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

FN032712-01 14 SLB



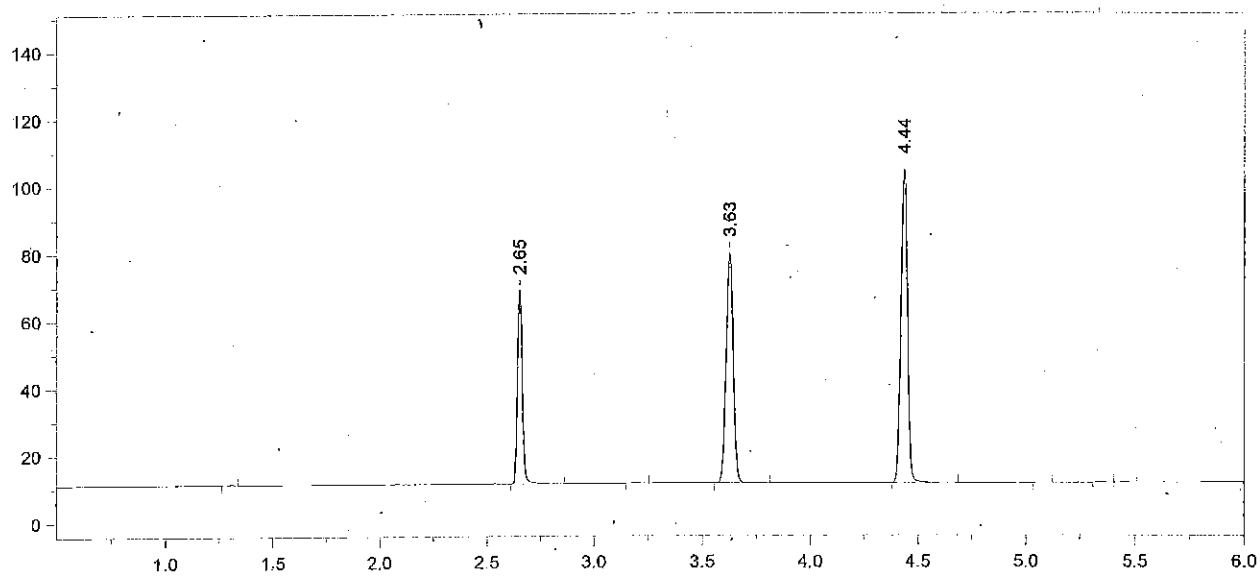
Format File Name = AlcoholVFL.FMT

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 [illegible]

FN032712-01 15 [illegible]

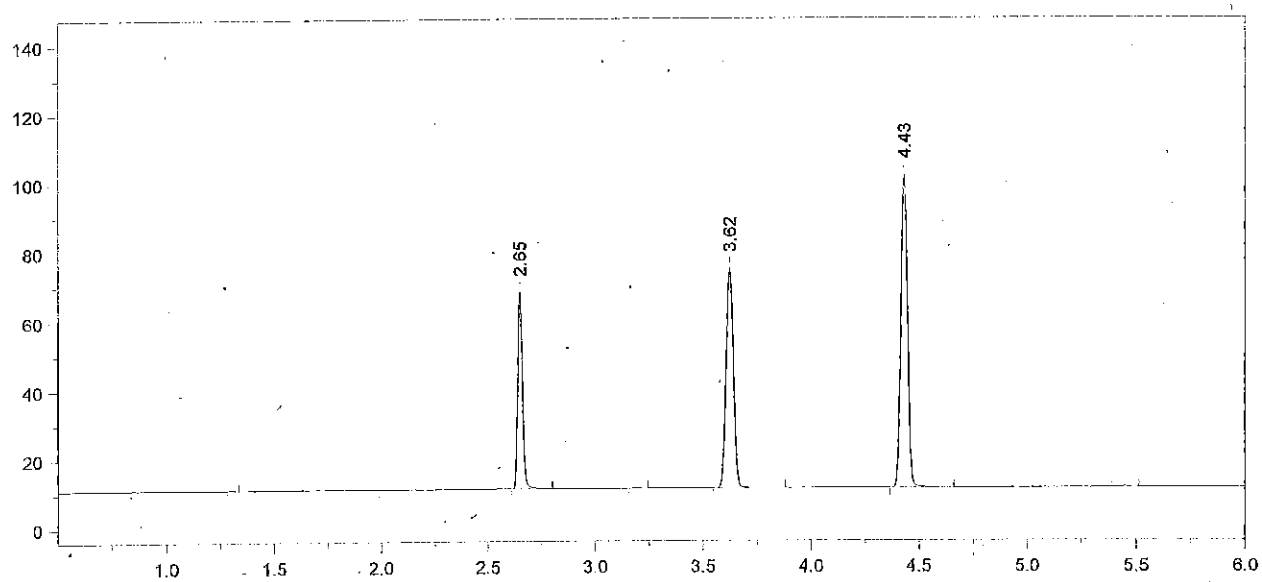


Format File Name = AlcoholVFL.FMT

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

FN032712-01 16 AES



Format File Name = AlcoholVFL.FMT

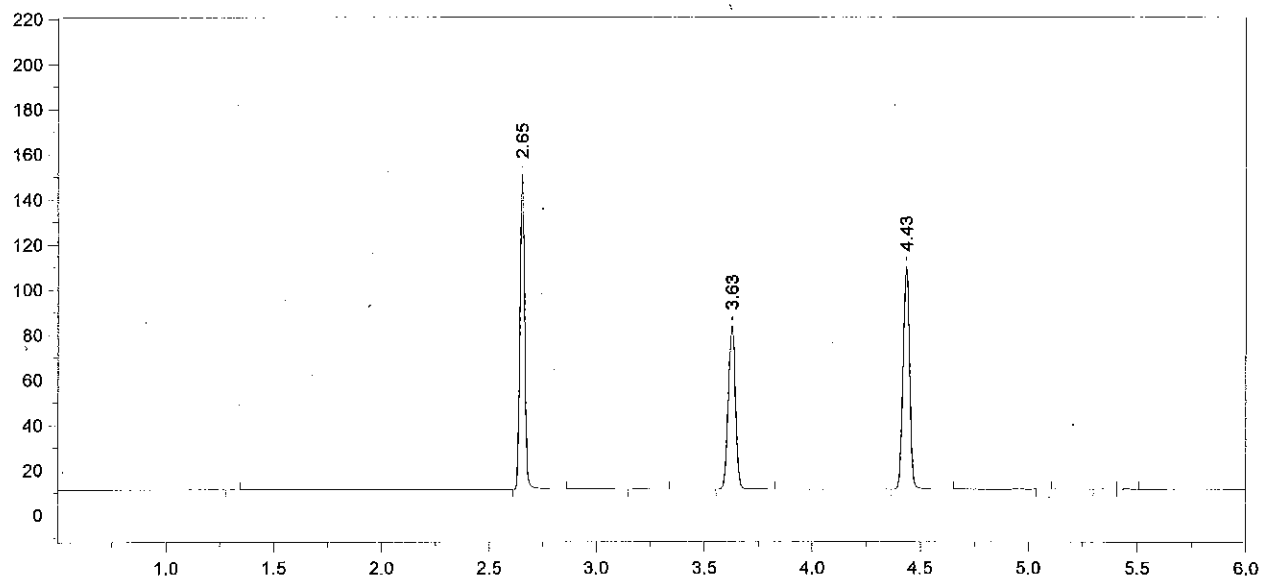
Today's Date = 3/21/2014
Today's Time = 8:50:08 PM
Bound File Name = VFL03212014.0019.RAW
Sample Name = CCS
Date Taken = 3/21/2014 8:49:58 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

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

Avg vals 18 + 19 = 0.087

AWS 3/24/14

FN032712-01 17 AWS

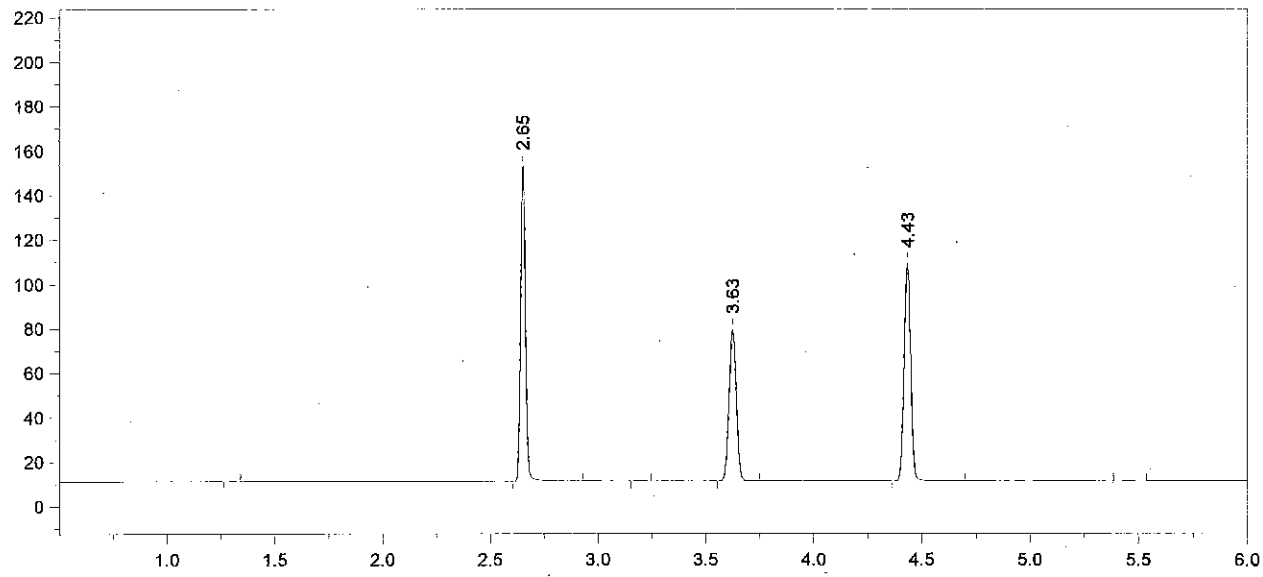


Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 10:09:41 PM
Bound File Name = VFL03212014.0024.RAW
Sample Name = AQ ETOH 200
Date Taken = 3/21/2014 10:09:32 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	214079	0.1966
4	3.63	t-Butanol	167746	1.0201
5	4.43	n-Propanol	209962	1.0000

FN032712-01 18 [illegible]



Format File Name = AlcoholVFL.FMT

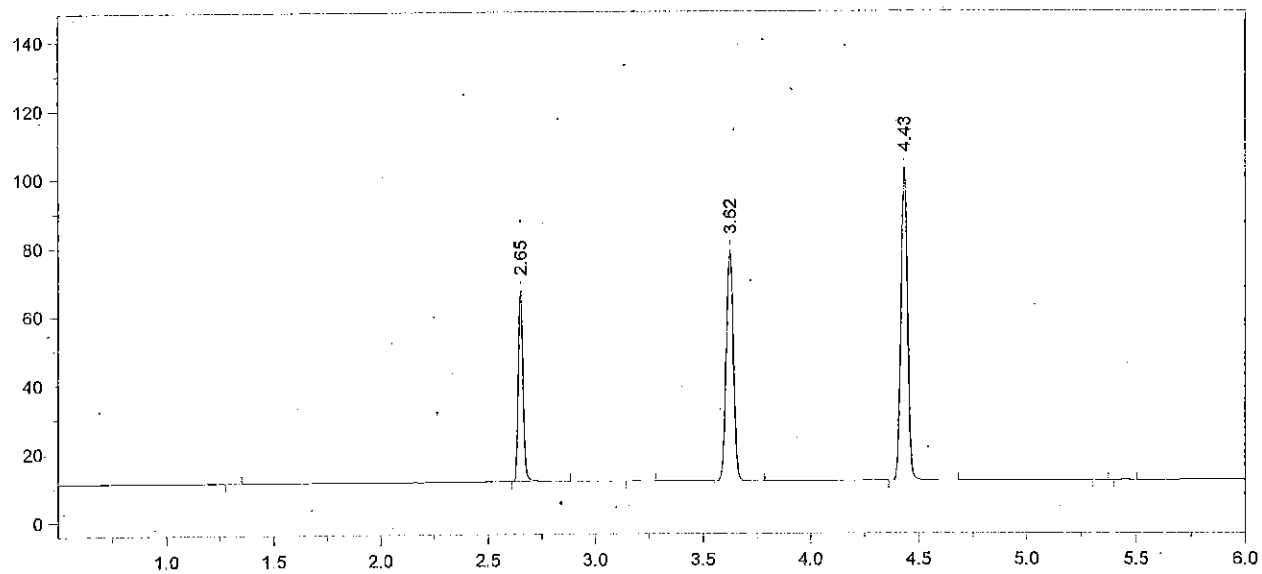
Today's Date = 3/21/2014
Today's Time = 10:23:32 PM
Bound File Name = VFL03212014.0025.RAW
Sample Name = AQ ETOH 200
Date Taken = 3/21/2014 10:23:26 PM
VFL Headspace Alcohol
Method file = Blood Alc temp VFL.MET
Calibration file = VFL03212014.CAL
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.65	Ethanol	219381	0.2025
4	3.63	t-Butanol	157618	0.9635
5	4.43	n-Propanol	208868	1.0000

Avg vals 24+25 = 0.199
3/24/14 [illegible]

Cerilliant EtOH-200
Lot # FN032712-01
[illegible] 3/24/14

FN032712-01 19 [illegible]

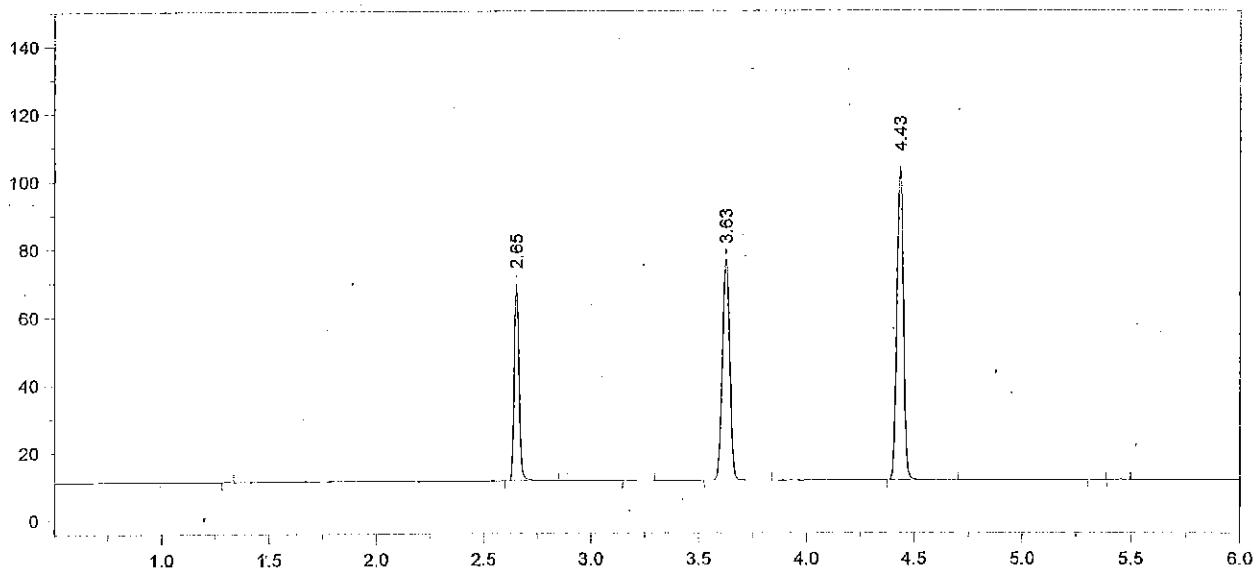


Format File Name = AlcoholVFL.FMT

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

FN032712-01 20 [illegible]



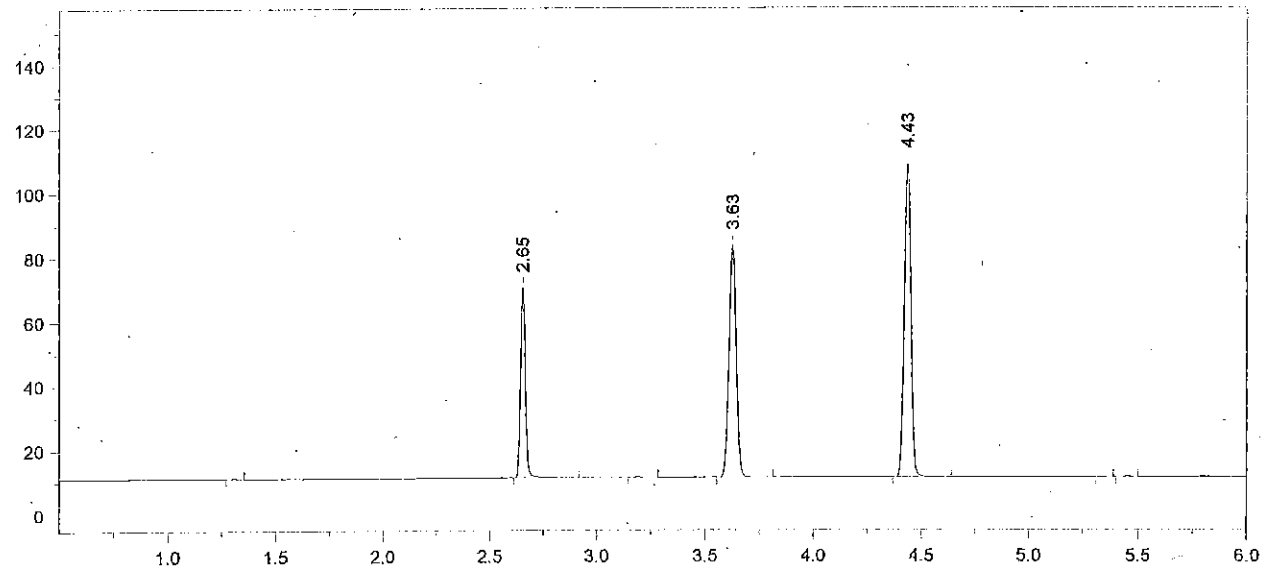
Format File Name = AlcoholVFL.FMT

Today's Date = 3/21/2014
Today's Time = 11:56:10 PM
Bound File Name = VFL03212014.0031.RAW
Sample Name = CCS
Date Taken = 3/21/2014 11:56:01 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
2	2.65	Ethanol	90260	0.0881
4	3.63	t-Butanol	151163	0.9772
5	4.43	n-Propanol	197509	1.0000

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

FN032712-01 21 [illegible]

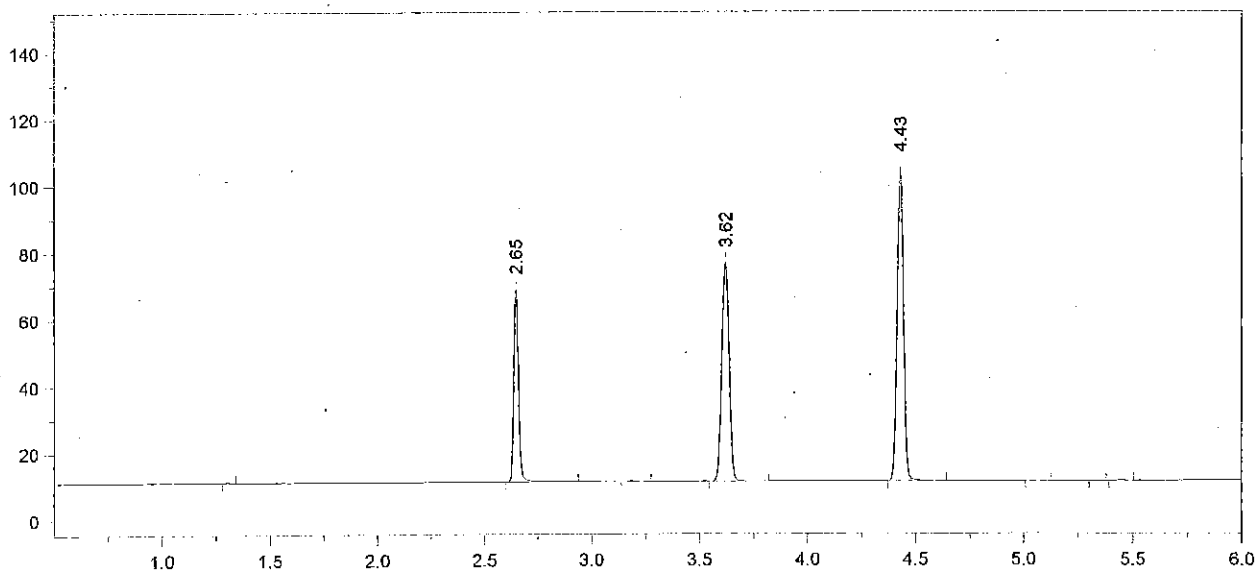


Format File Name = AlcoholVFL.FMT

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

FN032712-01 22 [illegible]



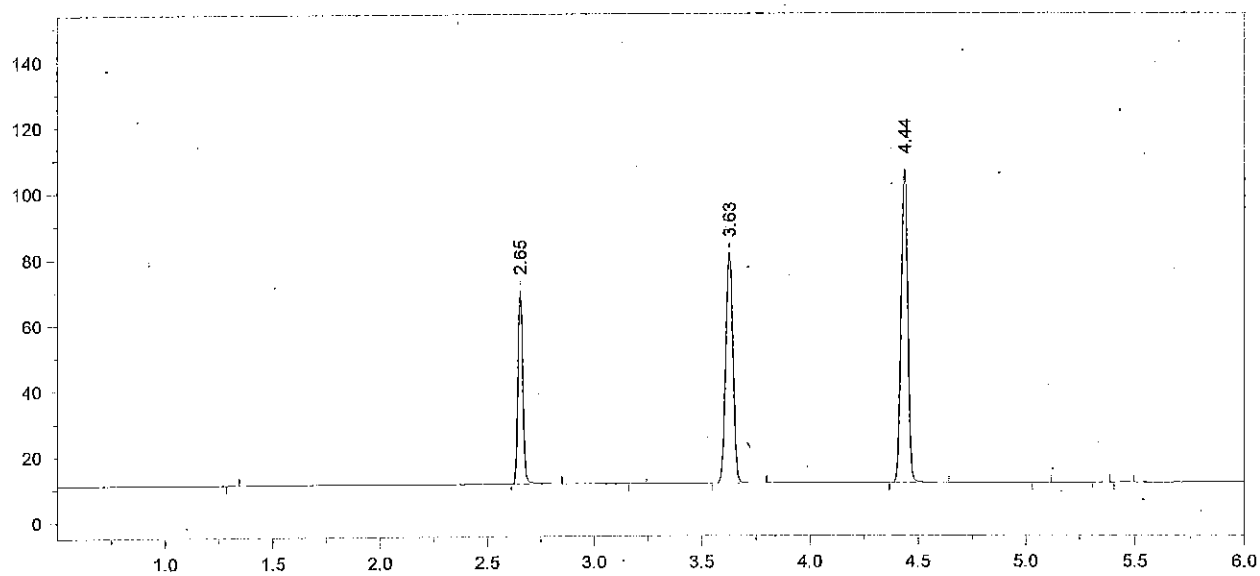
Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 3:03:13 AM
Bound File Name = VFL03212014.0043.RAW
Sample Name = CCS
Date Taken = 3/22/2014 3:03:07 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
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
SLB

FN032712-01 23 SLB



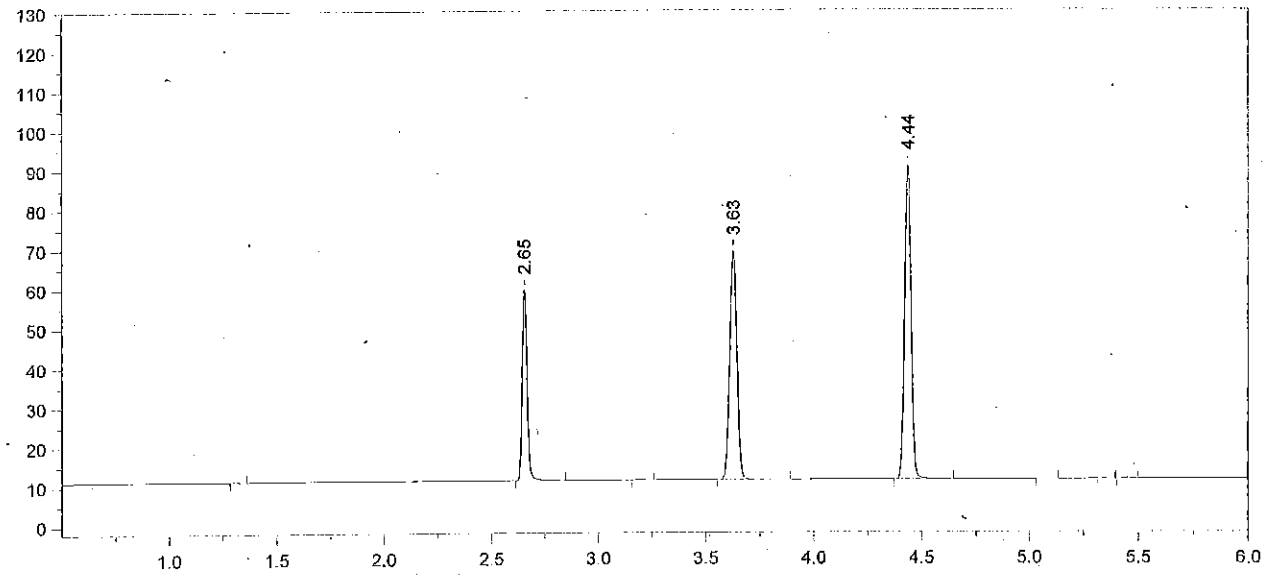
Format File Name = AlcoholVFL.FMT

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

FN032712-01 24

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

Today's Date = 3/22/2014
Today's Time = 6:08:01 AM
Bound File Name = VFL03212014.0055.RAW
Sample Name = CCS
Date Taken = 3/22/2014 6:07:55 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
2	2.65	Ethanol	75798	0.0871
4	3.63	t-Butanol	134165	1.0202
5	4.44	n-Propanol	167913	1.0000

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

FN032712-01 25 [illegible]