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**SCOTTSDALE POLICE DEPARTMENT  
CRIME LABORATORY  
FORENSIC BLOOD ALCOHOL FACE SHEET**

DATE: 090514 SEQUENCE FILE NAME: 04Sep14VPV

Pipettor: *Hamilton MicroLab*       MD91JC4962       MD91JF5016  
 Gas Chromatograph: *Perkin Elmer*       650N9042002       650N9042003

INTERNAL STANDARD

N-Propanol 0.015% (w/v)      Lot # 072414VPV-A

CALIBRATION STANDARDS

Vial #1      0.020 Calibrator      Lot # FN09031301

Vial #2      0.100 Calibrator      Lot # FN050312-01

Vial #3      0.200 Calibrator      Lot # FN032712-01

Vial #4      0.400 Calibrator      Lot # FN012712-01

Plot Analysis:      R<sup>2</sup>= 0.999986

CONTROLS

Vial #5 & 29      ISTD BLANK

Vial #6      MIX STANDARD      Lot # 011111VPV

<u>Vial #</u>	<u>Expected [Ethanol] g/dL</u>	<u>Measured [Ethanol] g/dL</u>	<u>Lot #</u>
<u>07</u>	<u>0.400</u>	<u>0.397</u>	<u>05012012-C</u>
<u>08</u>	<u>0.040</u>	<u>0.039</u>	<u>30112011-B</u>
<u>17</u>	<u>0.200</u>	<u>0.199</u>	<u>402101060/3</u>
<u>18</u>	<u>0.200</u>	<u>0.200</u>	<u>402101060/3</u>
<u>19</u>	<u>0.150</u>	<u>0.149</u>	<u>11012012-C</u>
<u>20</u>	<u>0.080</u>	<u>0.079</u>	<u>14112011-A</u>
<u>30</u>	<u>0.400</u>	<u>0.397</u>	<u>05012012-C</u>
<u>31</u>	<u>0.040</u>	<u>0.039</u>	<u>30112011-B</u>

Notes: 8 subject samples  
Chain of Custody – 090414  
Exam Notes – 090414  
Analysis – 090414; All testing proceeded as expected.

VALIDATED RESULTS: W B1464 090514      AK B1255 9/8/14  
 Analyst      Technical Reviewer

Fit Analysis Output For Method File: C:\TCWMETHODS\METHOD2002A.MTH

Reprocess Number : spdmscpe01: 2710

Component Name : Ethanol

Date : 9/5/2014 9:33:42 AM

Curve Parameters:

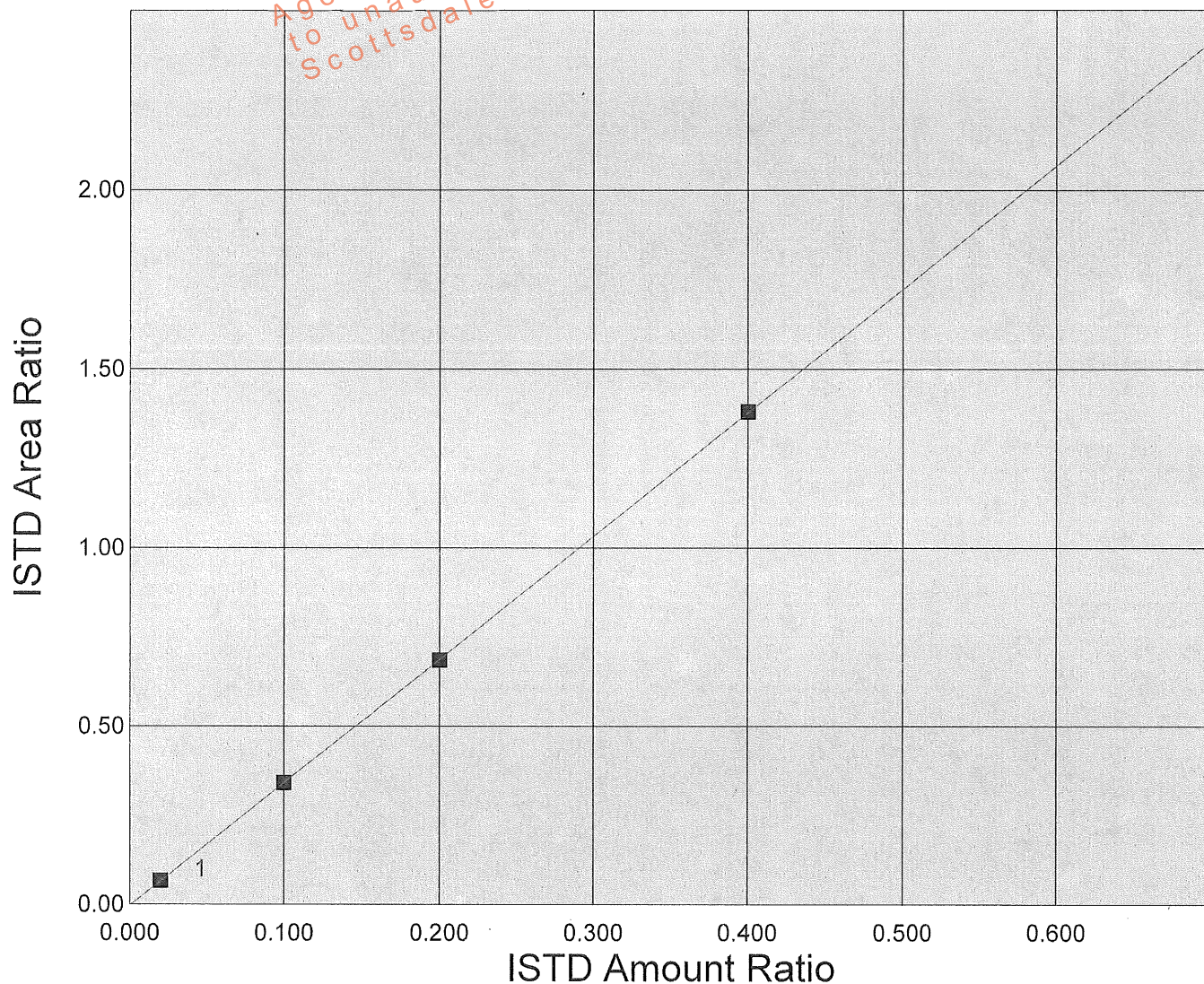
Curve #1 : 1st Order

Weighting Factor = 1 (No Weighting) R-Squared = 0.999986

Calibration Curve :  $Y = (-0.003000) + (3.453925) X$

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Ethanol

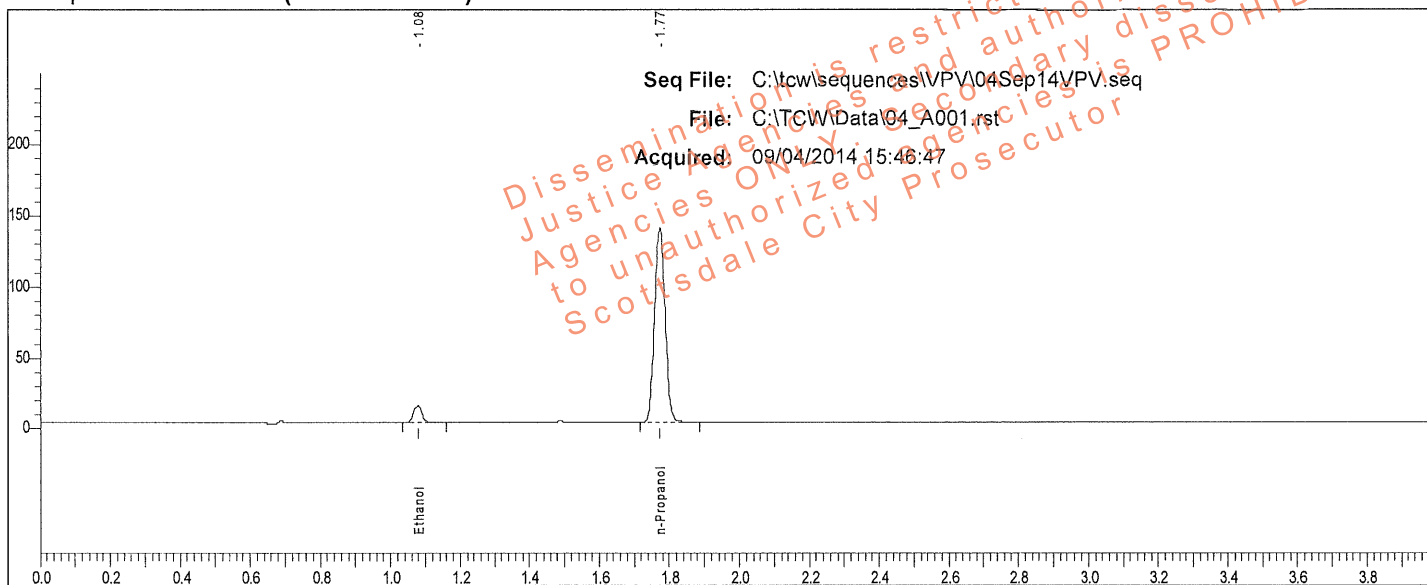


# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.020 CAL (FN09031301)

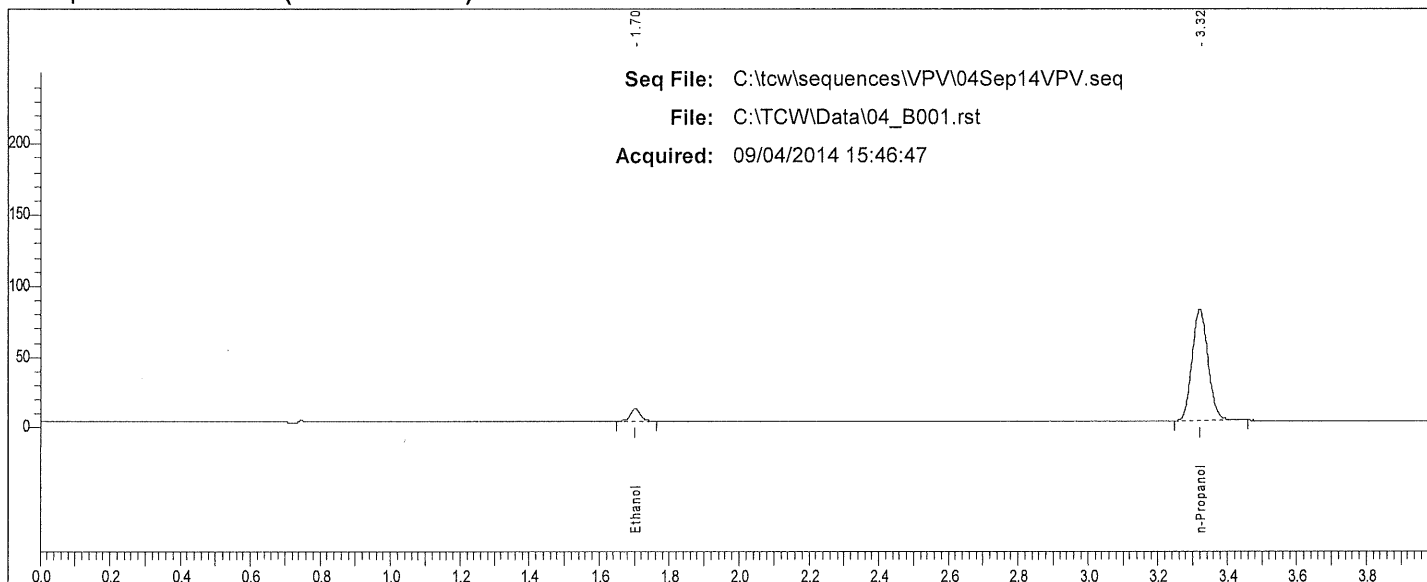
Vial #: 1



Rt	Area	Peak
1.079	19590	Ethanol
1.772	287640	n-Propanol

Sample: 0.020 CAL (FN09031301)

Vial #: 1



Rt	Area	Peak
1.703	16798	Ethanol
3.320	252836	n-Propanol

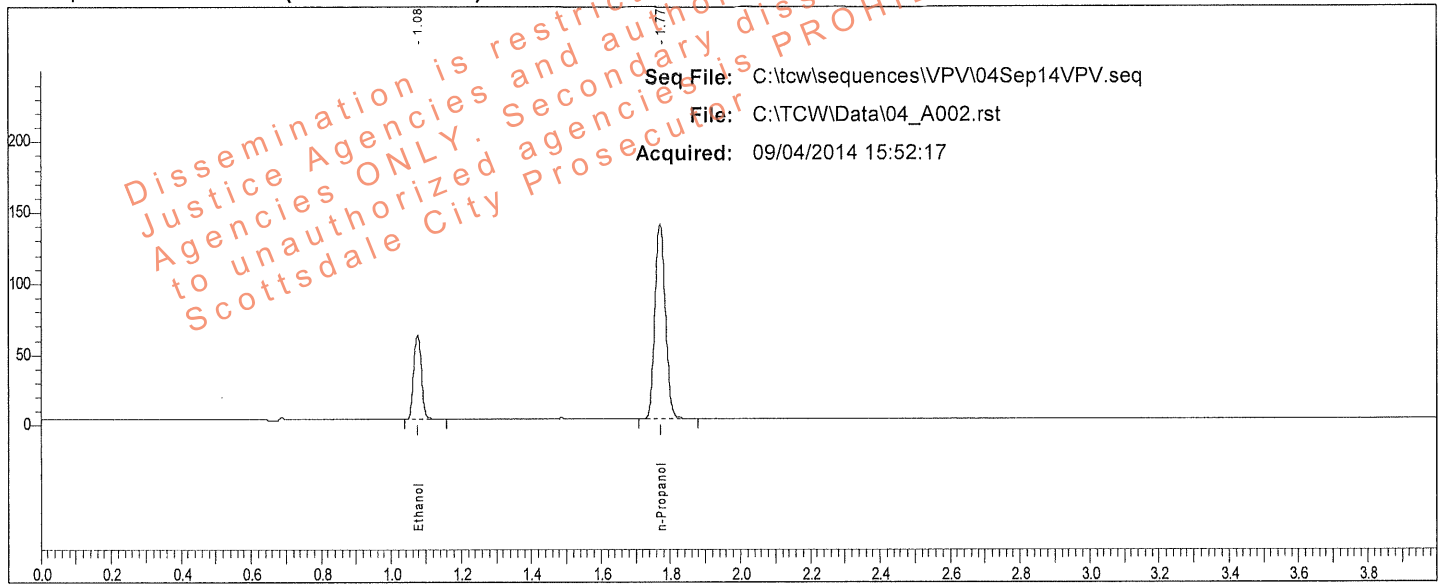
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.100 CAL (FN050312-01)

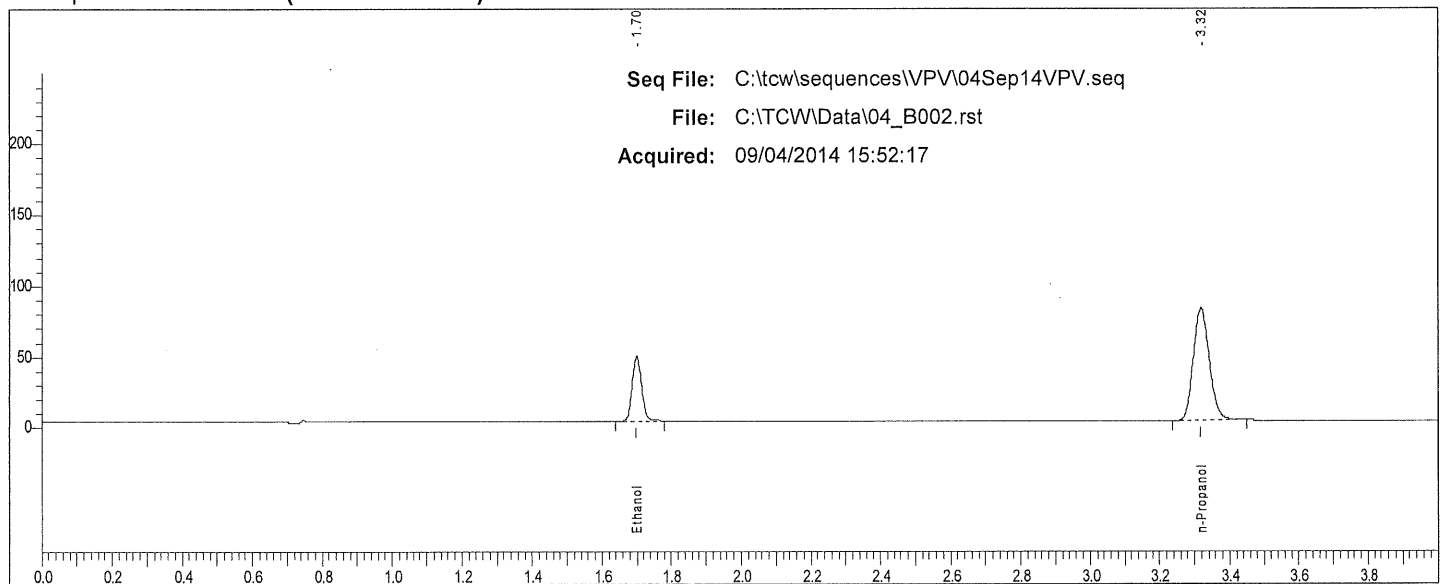
Vial #: 2



Rt	Area	Peak
1.077	97661	Ethanol
1.770	285921	n-Propanol

Sample: 0.100 CAL (FN050312-01)

Vial #: 2



Rt	Area	Peak
1.699	86529	Ethanol
3.318	249285	n-Propanol

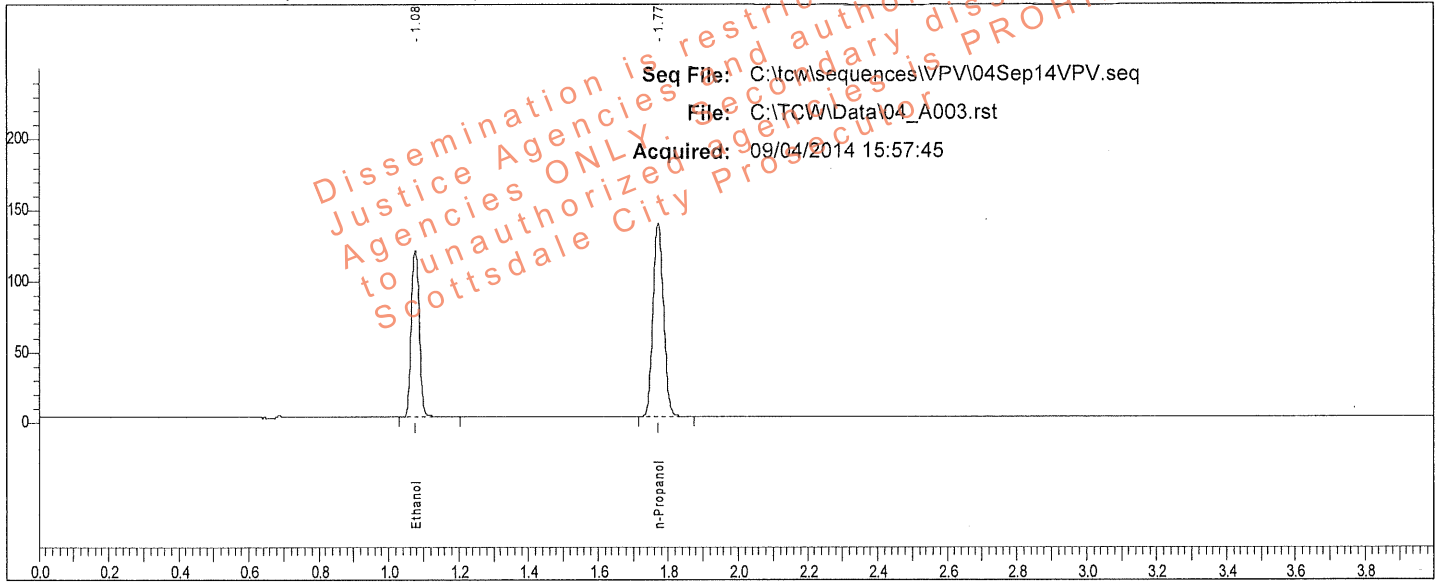
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.200 CAL (FN032712-01)

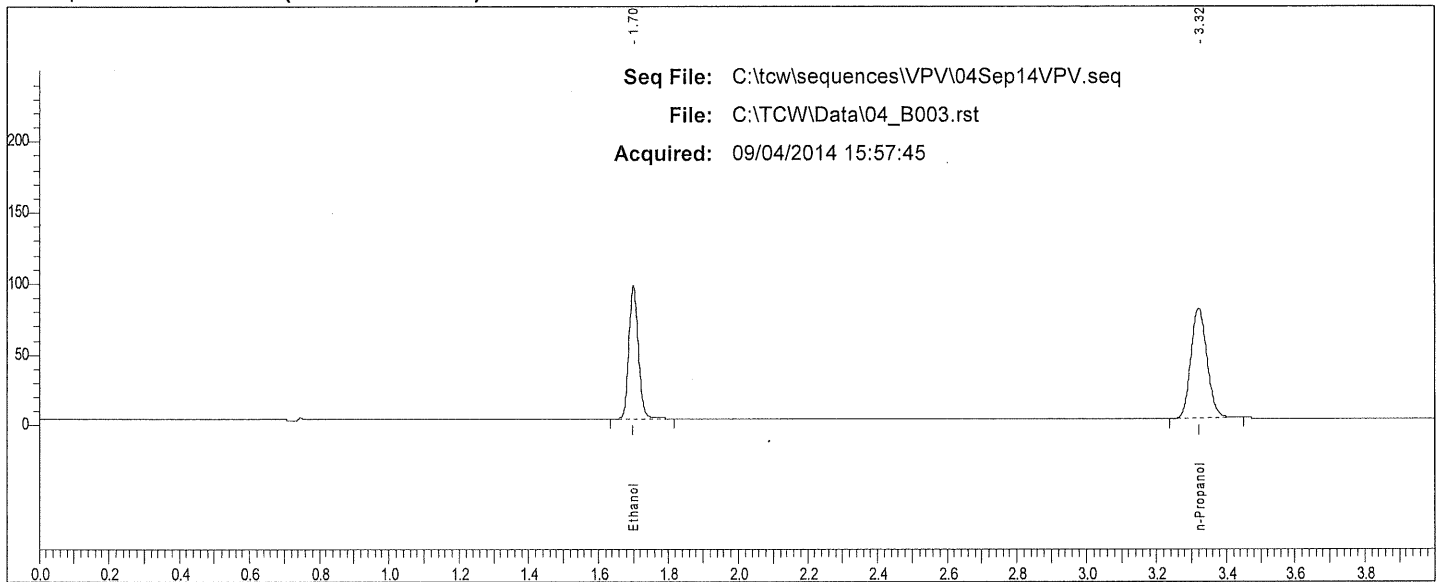
Vial #: 3



Rt	Area	Peak
1.077	196229	Ethanol
1.772	286393	n-Propanol

Sample: 0.200 CAL (FN032712-01)

Vial #: 3



Rt	Area	Peak
1.699	176481	Ethanol
3.319	248908	n-Propanol

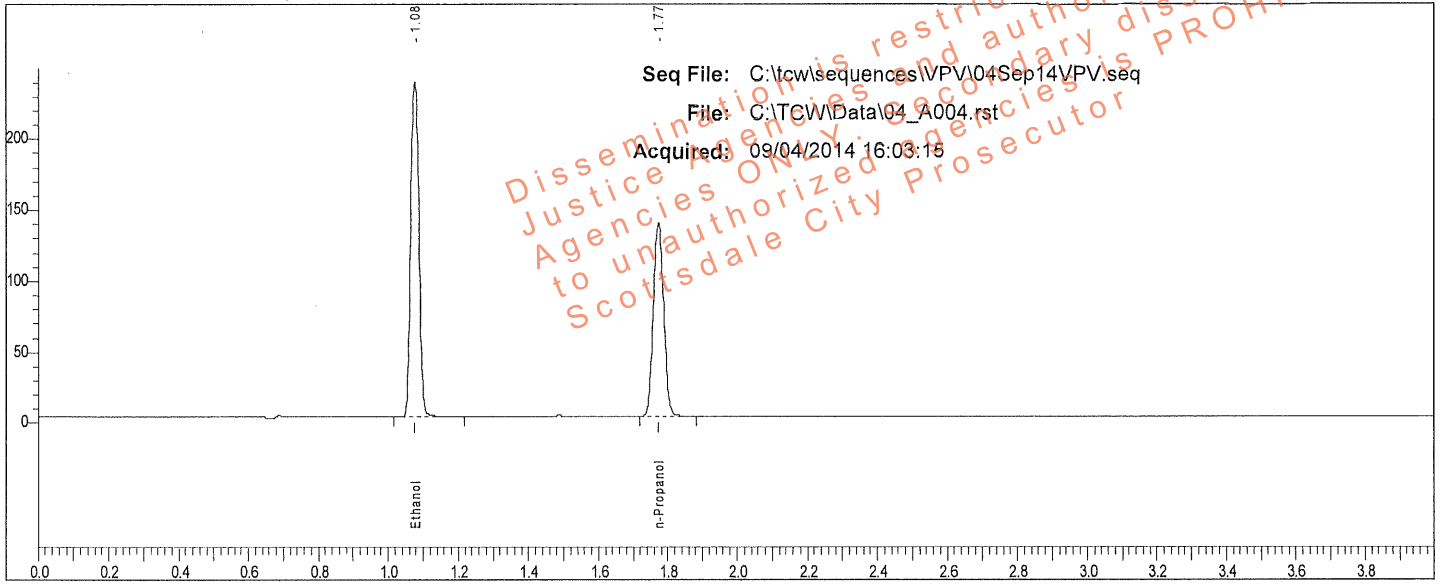
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.400 CAL (FN012712-01)

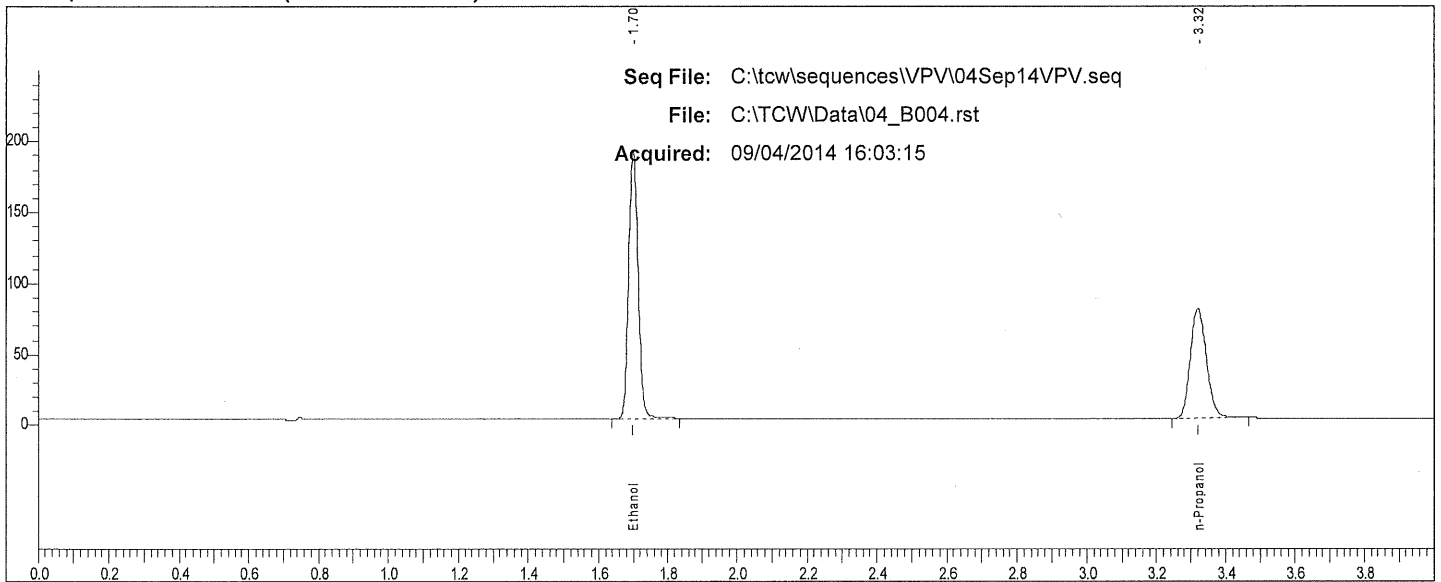
Vial #: 4



Rt	Area	Peak
1.078	391328	Ethanol
1.772	283575	n-Propanol

Sample: 0.400 CAL (FN012712-01)

Vial #: 4



Rt	Area	Peak
1.699	355191	Ethanol
3.320	246845	n-Propanol

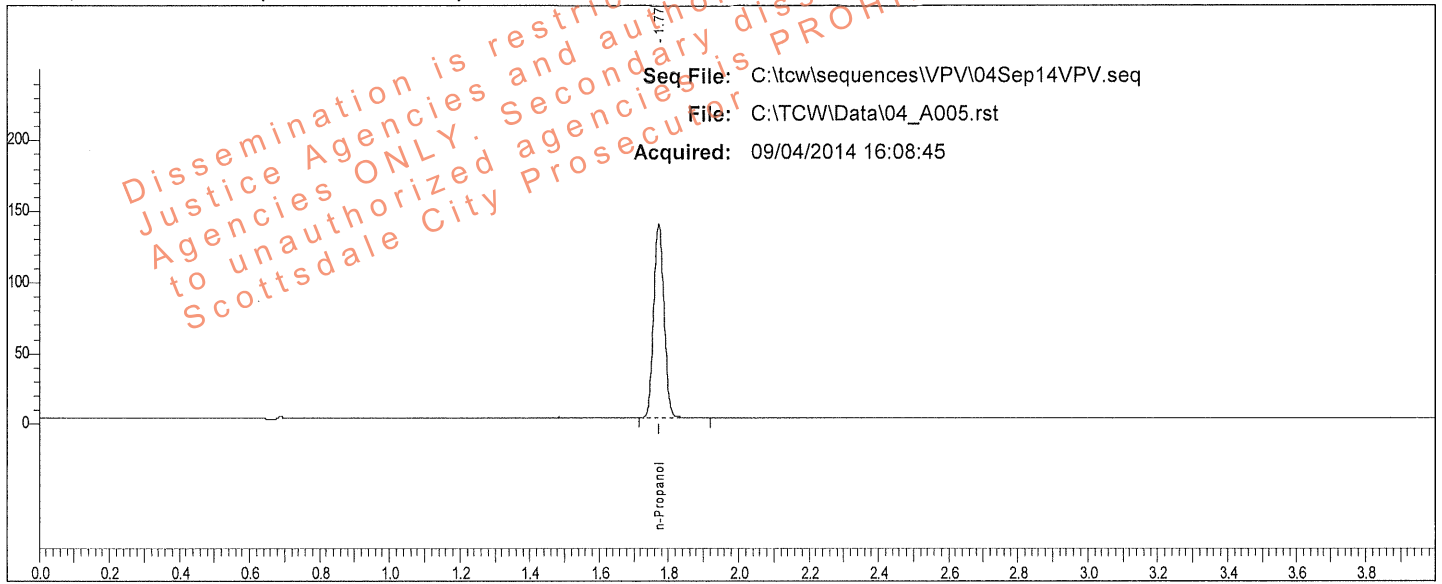
✓

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: IS Blank (072414VPV-A)

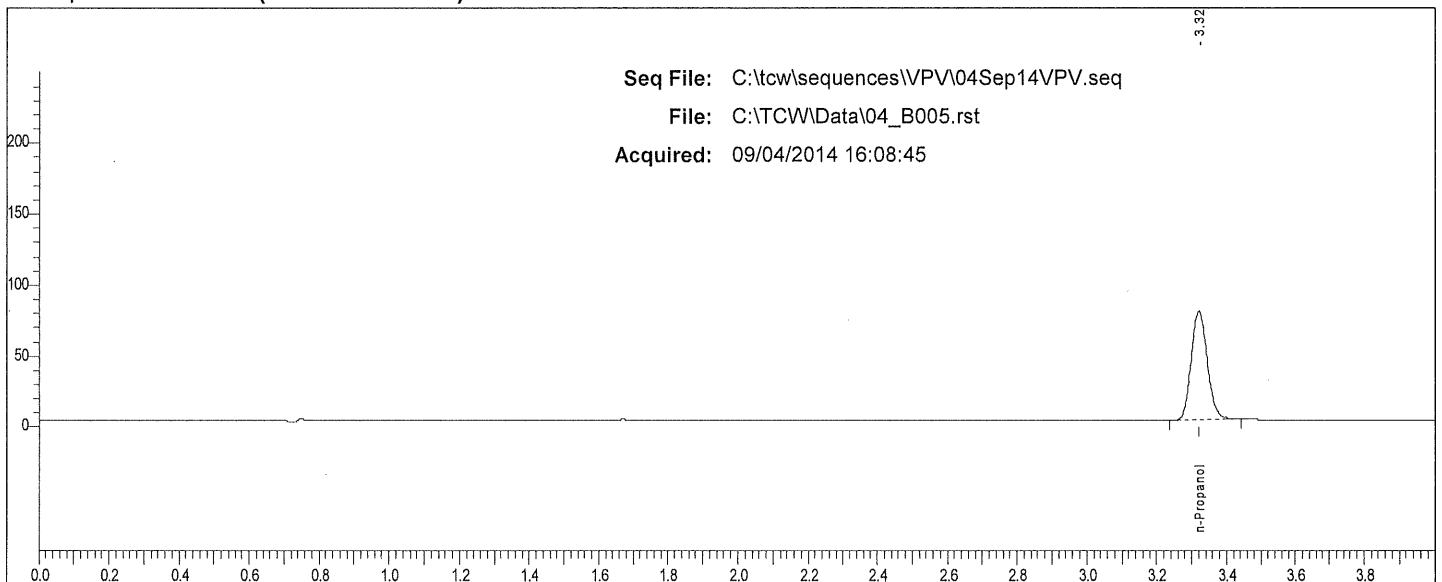
Vial #: 5



Rt	Area	Peak	g/100
1.772	284100	n-Propanol	

Sample: IS Blank (072414VPV-A)

Vial #: 5



Rt	Area	Peak	g/100
3.320	244964	n-Propanol	

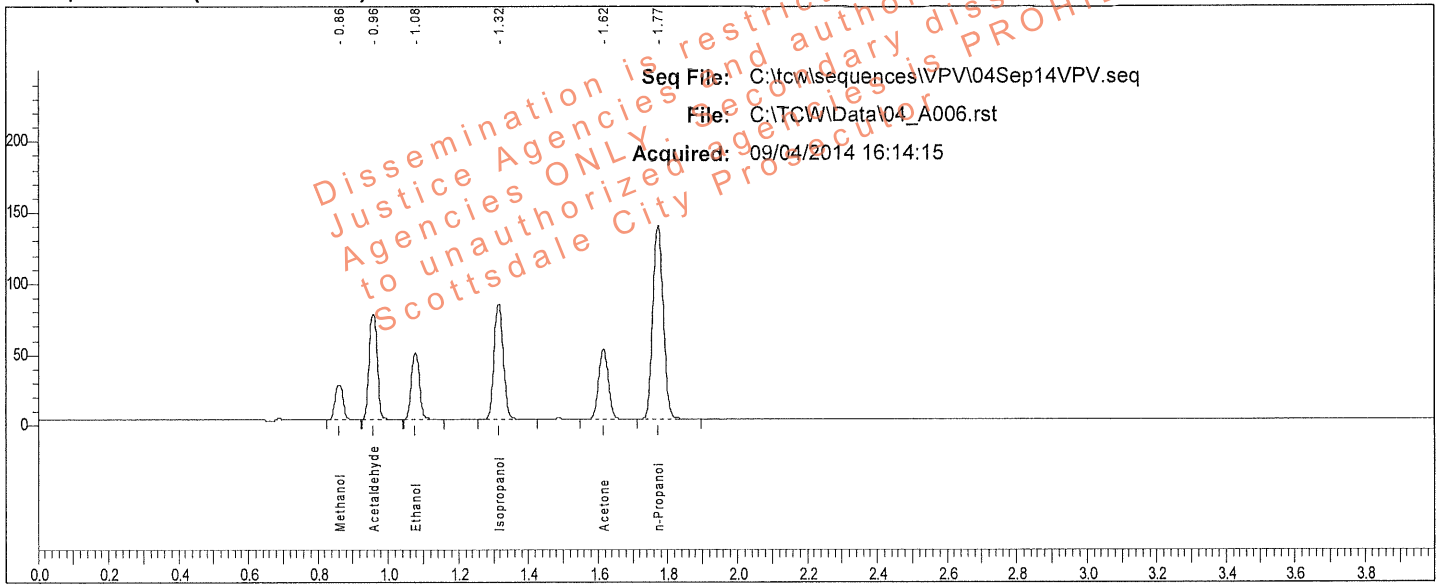
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: MIX (011111VPV)

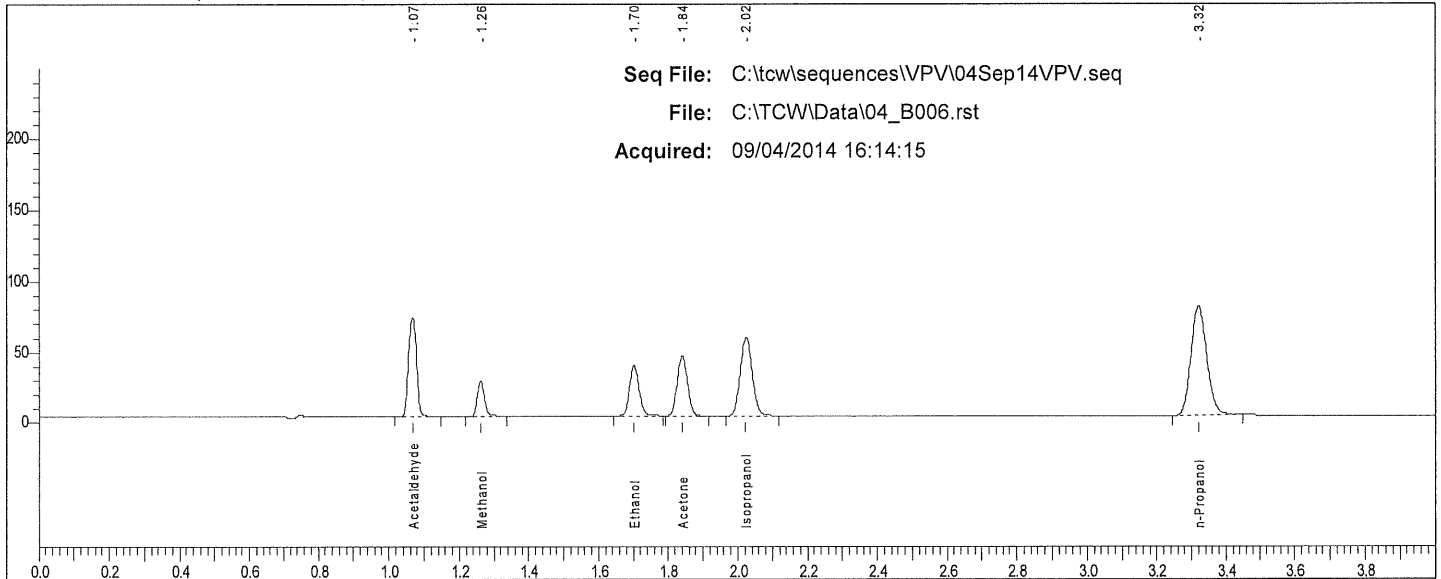
Vial #: 6



Rt	Area	Peak	g/100
0.862	39339	Methanol	
0.959	120633	Acetaldehyde	
1.078	77214	Ethanol	0.0796
1.316	149564	Isopropanol	
1.615	96064	Acetone	
1.772	283867	n-Propanol	

Sample: MIX (011111VPV)

Vial #: 6



Rt	Area	Peak
1.068	112129	Acetaldehyde
1.262	35264	Methanol
1.701	68328	Ethanol
1.840	87431	Acetone
2.023	133584	Isopropanol
3.319	245431	n-Propanol

W

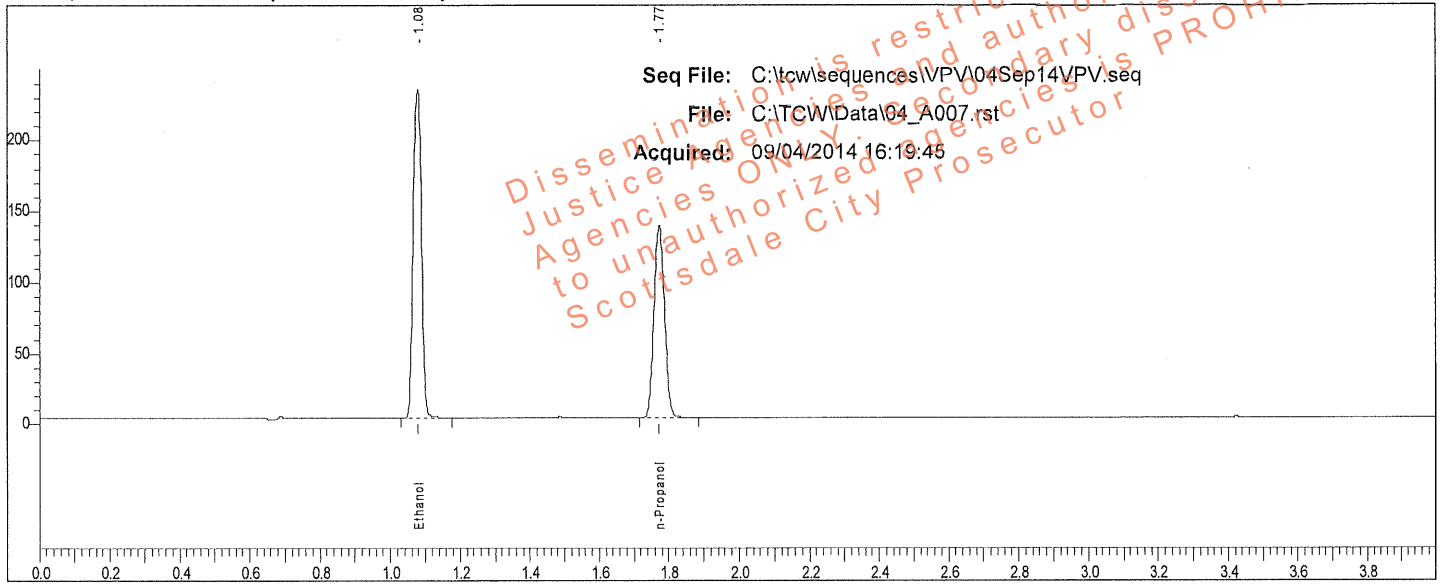


# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.400 QC (05012012-C)

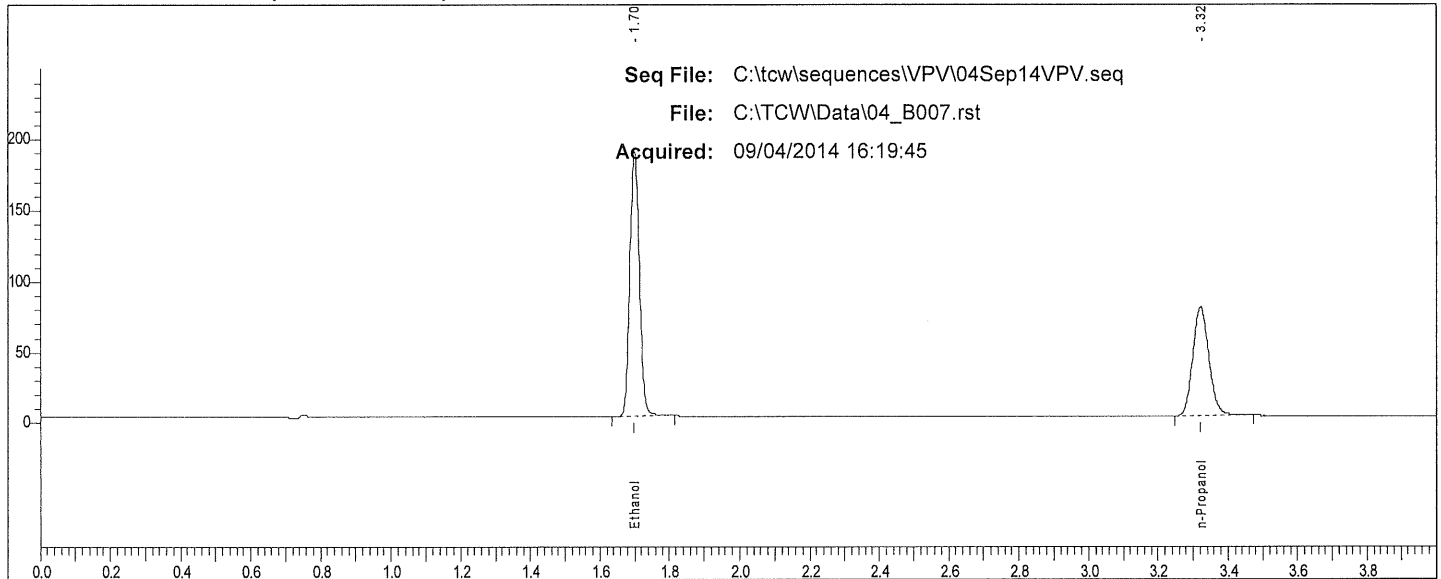
Vial #: 7



Rt	Area	Peak	g/100
1.079	389903	Ethanol	0.3975
1.773	284608	n-Propanol	

Sample: 0.400 QC (05012012-C)

Vial #: 7



Rt	Area	Peak
1.700	352920	Ethanol
3.321	247263	n-Propanol

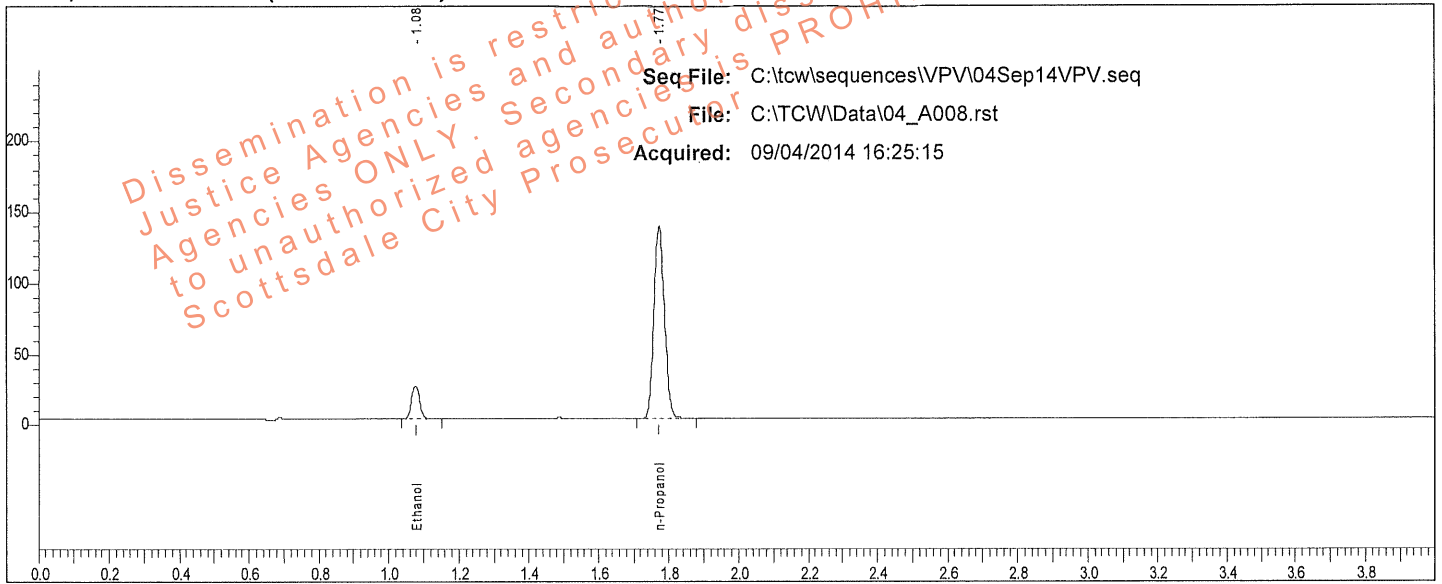
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.040 QC (30112011-B)

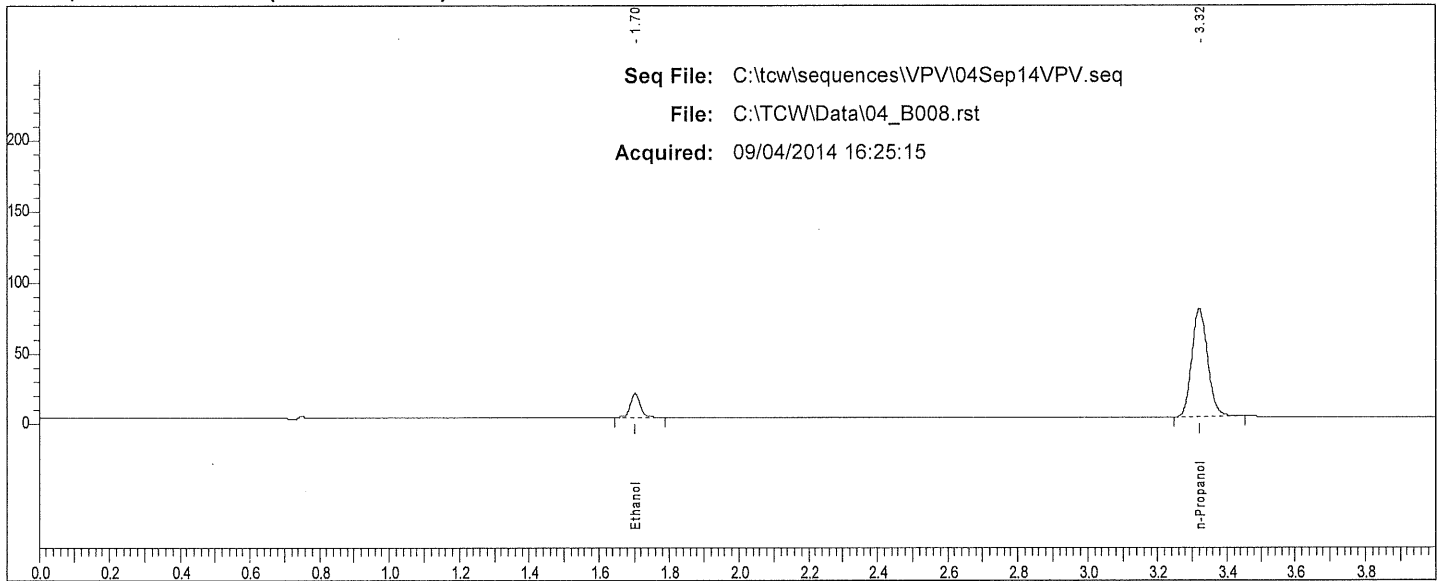
Vial #: 8



Rt	Area	Peak	g/100
1.078	38032	Ethanol	0.0399
1.772	282026	n-Propanol	

Sample: 0.040 QC (30112011-B)

Vial #: 8



Rt	Area	Peak
1.702	33147	Ethanol
3.319	244108	n-Propanol

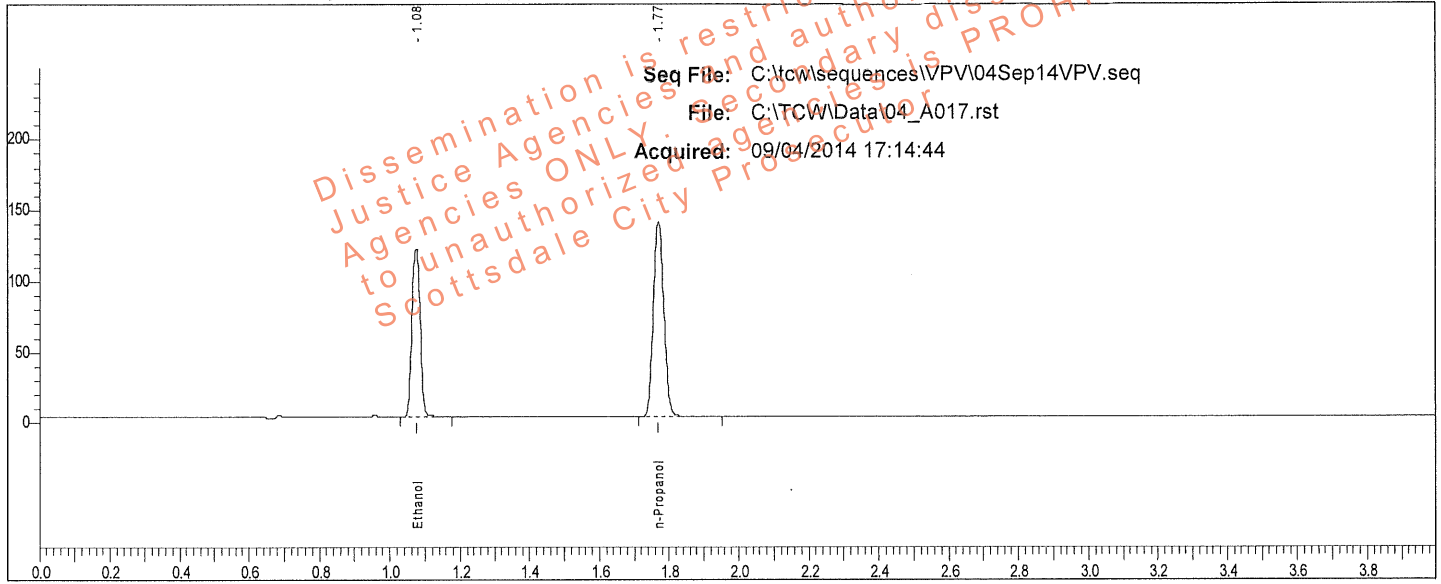
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# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.200 WB QC (402101060/3)

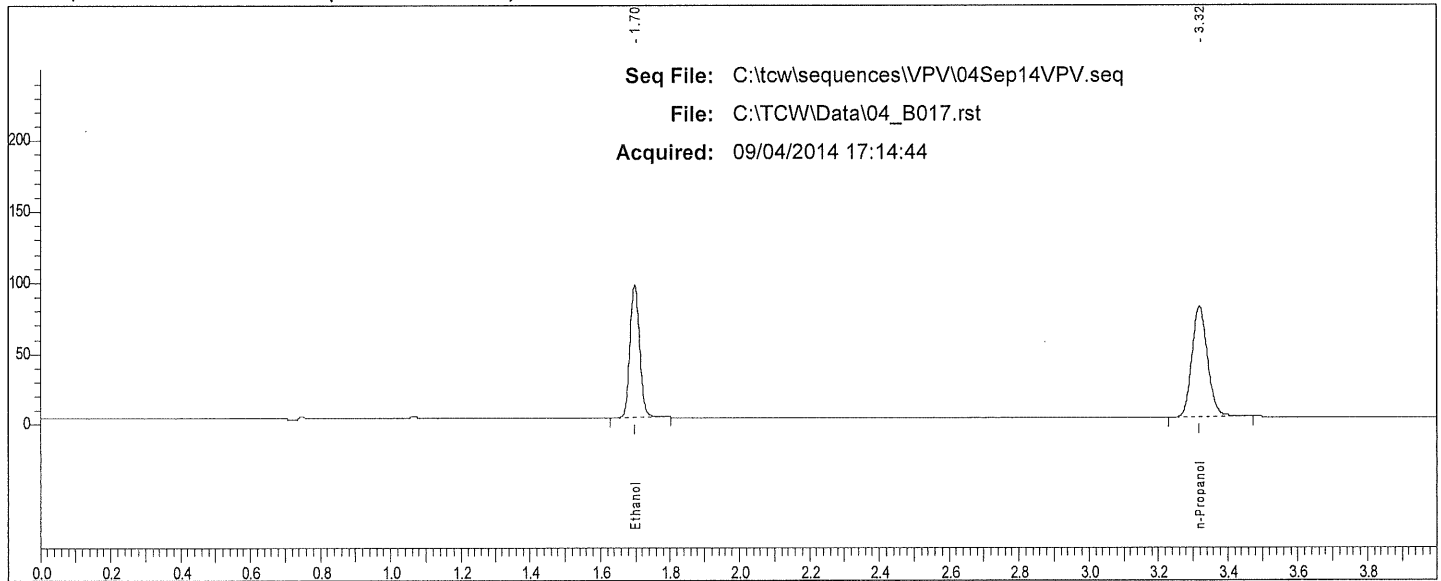
Vial #: 17



Rt	Area	Peak	g/100
1.076	197469	Ethanol	0.1991
1.770	288314	n-Propanol	

Sample: 0.200 WB QC (402101060/3)

Vial #: 17



Rt	Area	Peak
1.698	176737	Ethanol
3.318	249852	n-Propanol

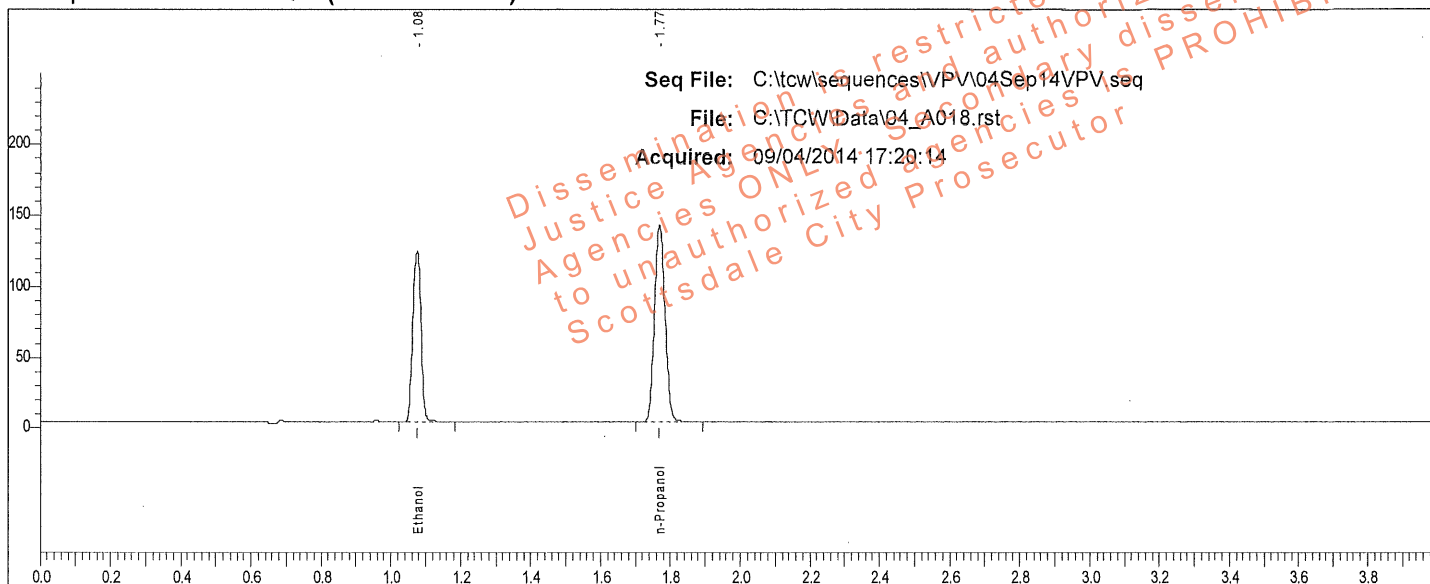
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.200 WB QC (402101060/3)

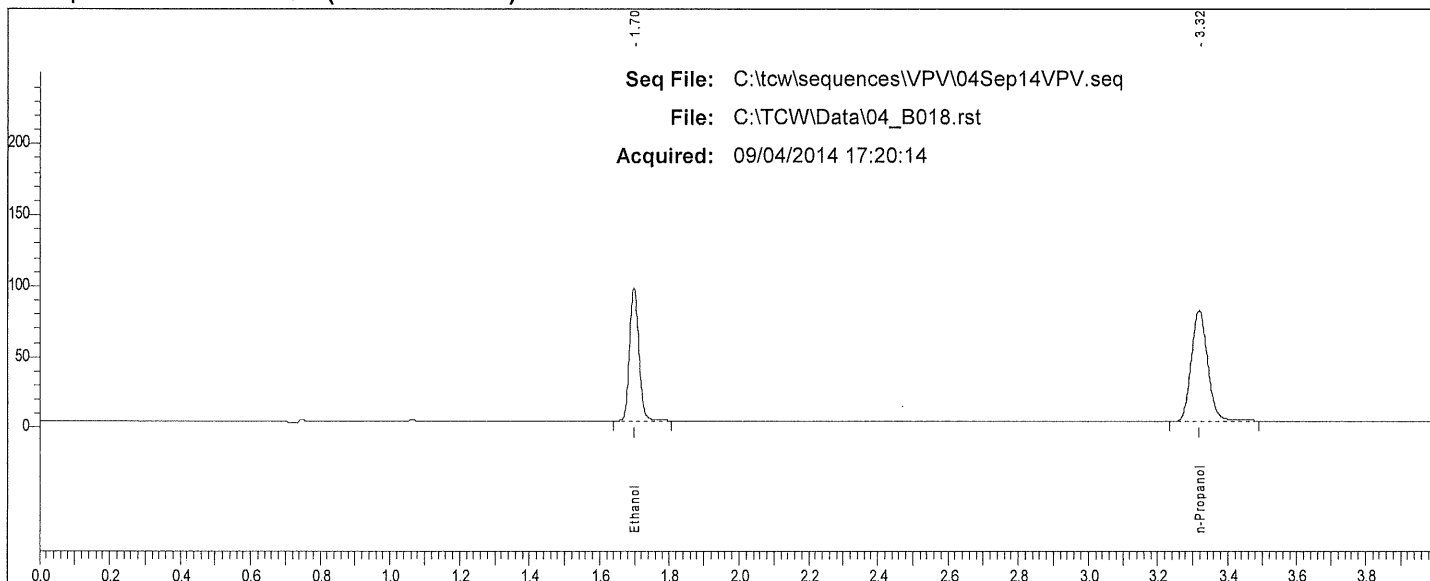
Vial #: 18



Rt	Area	Peak	g/100
1.076	199119	Ethanol	0.2002
1.769	289212	n-Propanol	

Sample: 0.200 WB QC (402101060/3)

Vial #: 18



Rt	Area	Peak
1.698	178060	Ethanol
3.316	252241	n-Propanol

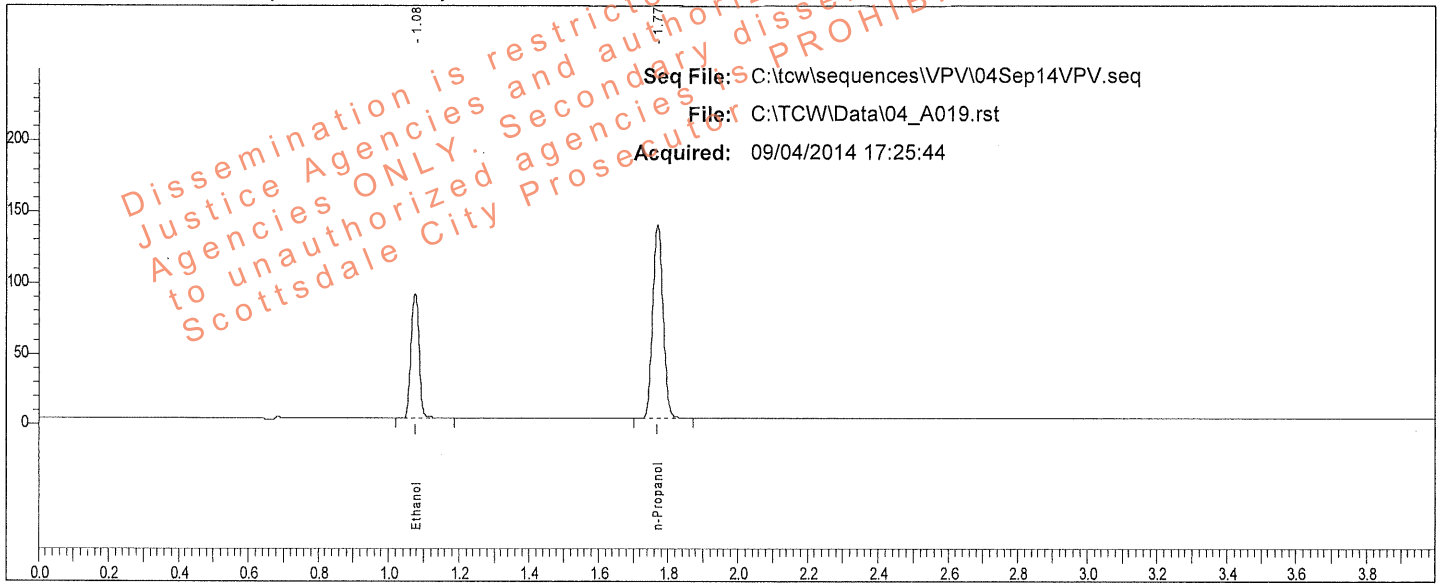
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.150 QC (11012012-C)

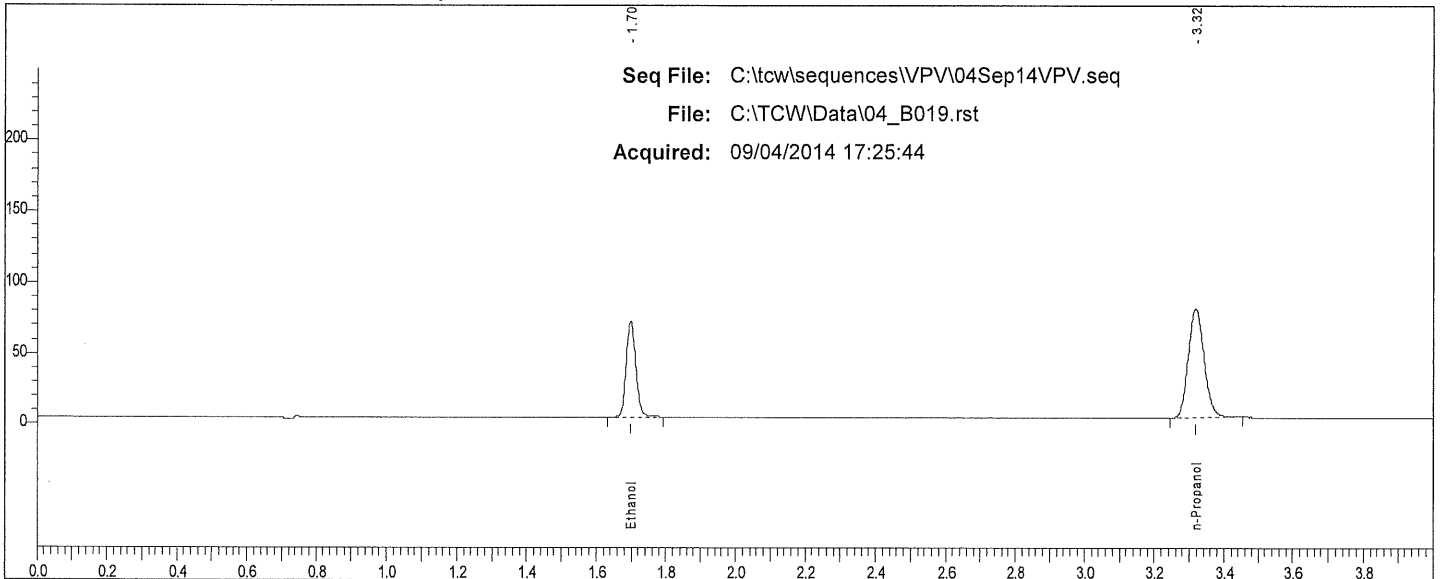
Vial #: 19



Rt	Area	Peak	g/100
1.076	145460	Ethanol	0.1493
1.770	283693	n-Propanol	

Sample: 0.150 QC (11012012-C)

Vial #: 19



Rt	Area	Peak	g/100
1.698	129042	Ethanol	
3.317	244869	n-Propanol	

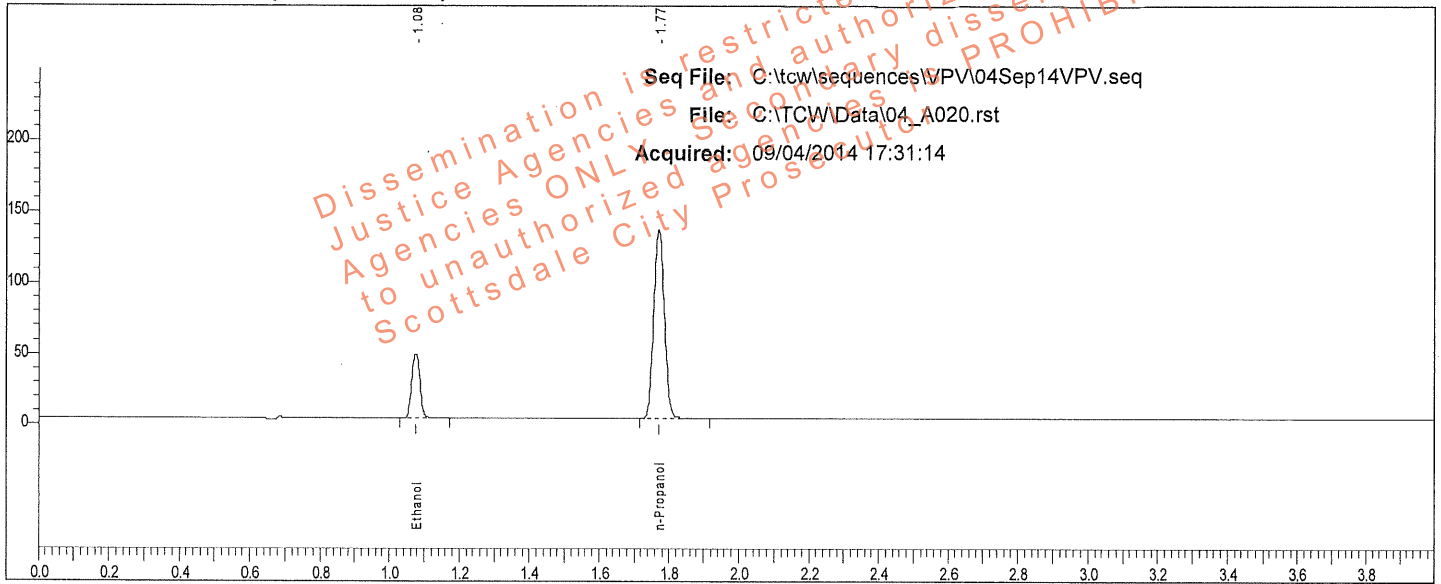
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.080 QC (14112011-A)

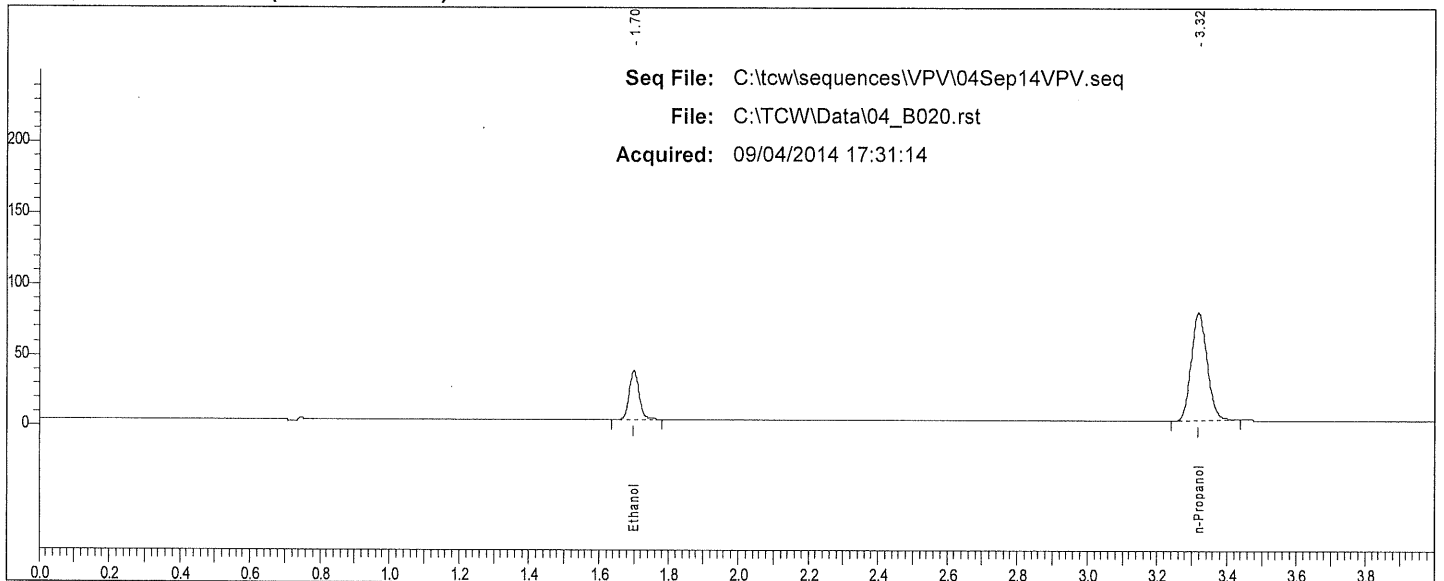
Vial #: 20



Rt	Area	Peak	g/100
1.076	75877	Ethanol	0.0793
1.770	279829	n-Propanol	

Sample: 0.080 QC (14112011-A)

Vial #: 20



Rt	Area	Peak
1.699	66516	Ethanol
3.318	240130	n-Propanol

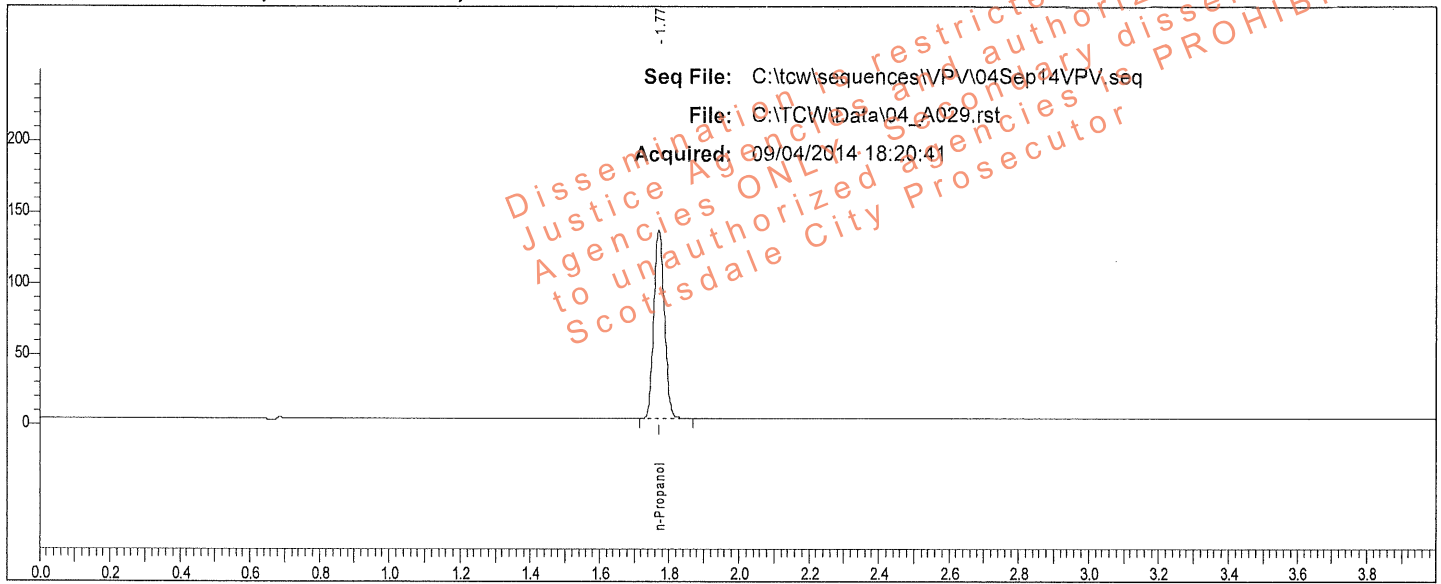
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: IS Blank (072414VPV-A)

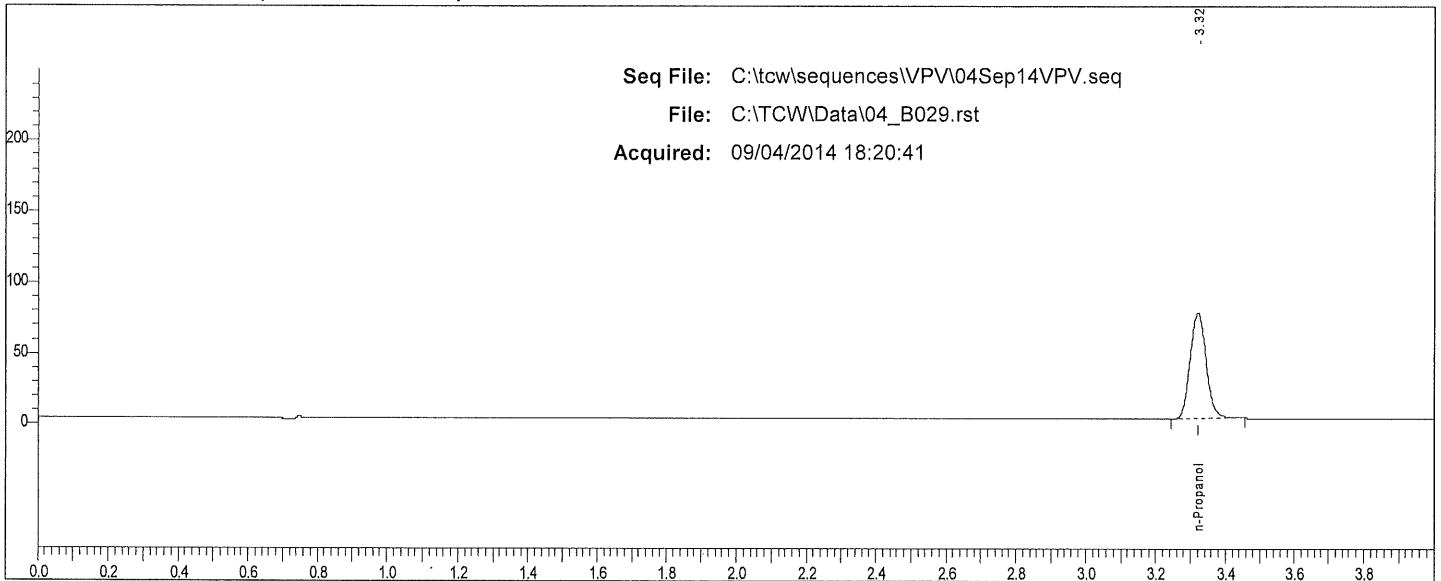
Vial #: 29



Rt	Area	Peak	g/100
1.771	278562	n-Propanol	

Sample: IS Blank (072414VPV-A)

Vial #: 29



Rt	Area	Peak	g/100
3.320	240691	n-Propanol	

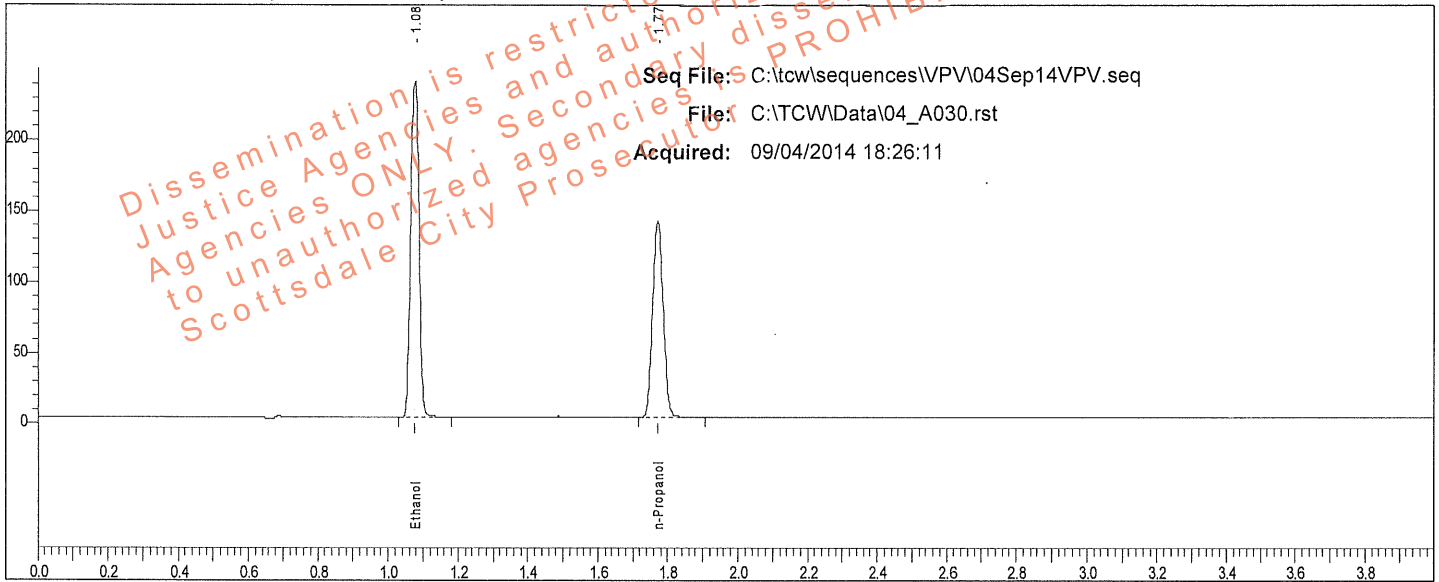
W

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.400 QC (05012012-C)

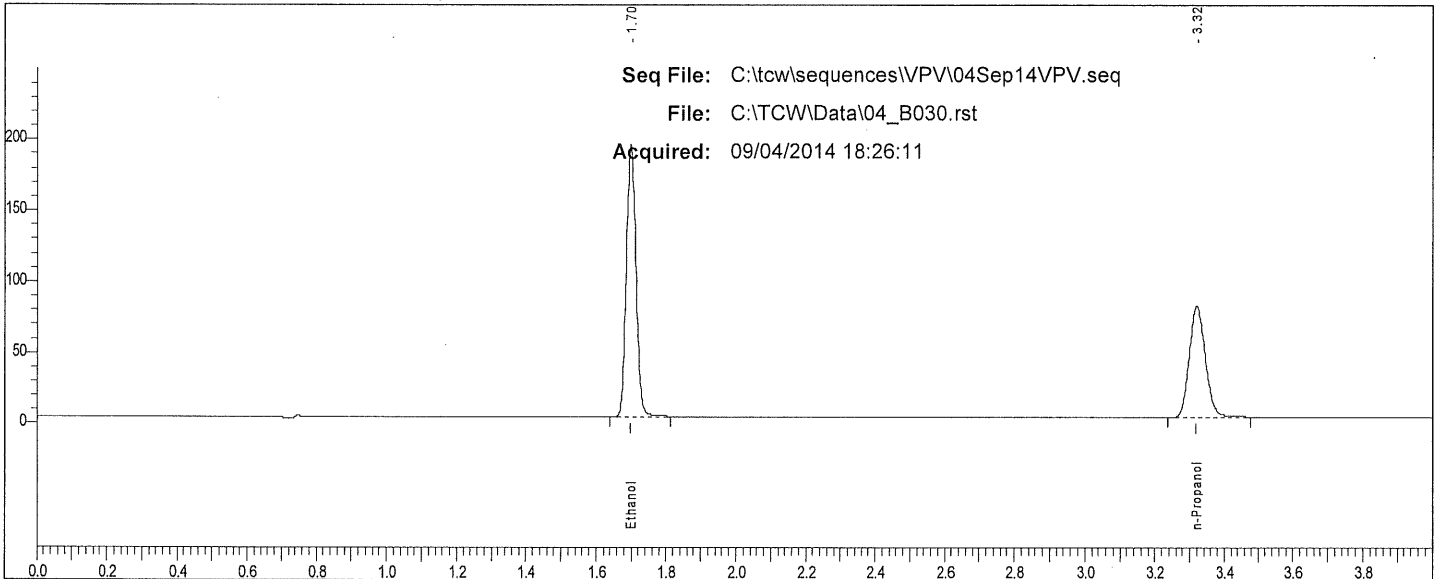
Vial #: 30



Rt	Area	Peak	g/100
1.077	396773	Ethanol	0.3978
1.771	289371	n-Propanol	

Sample: 0.400 QC (05012012-C)

Vial #: 30



Rt	Area	Peak
1.699	358530	Ethanol
3.319	250857	n-Propanol

VPV

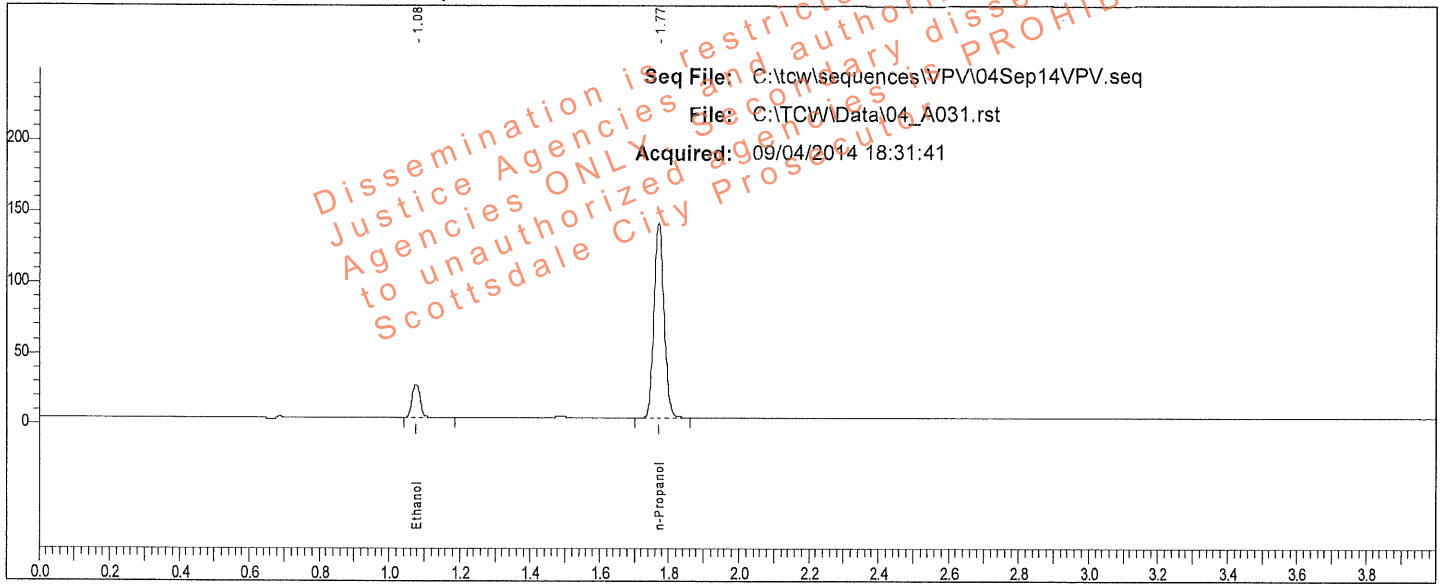


# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: 0.040 QC (30112011-B)

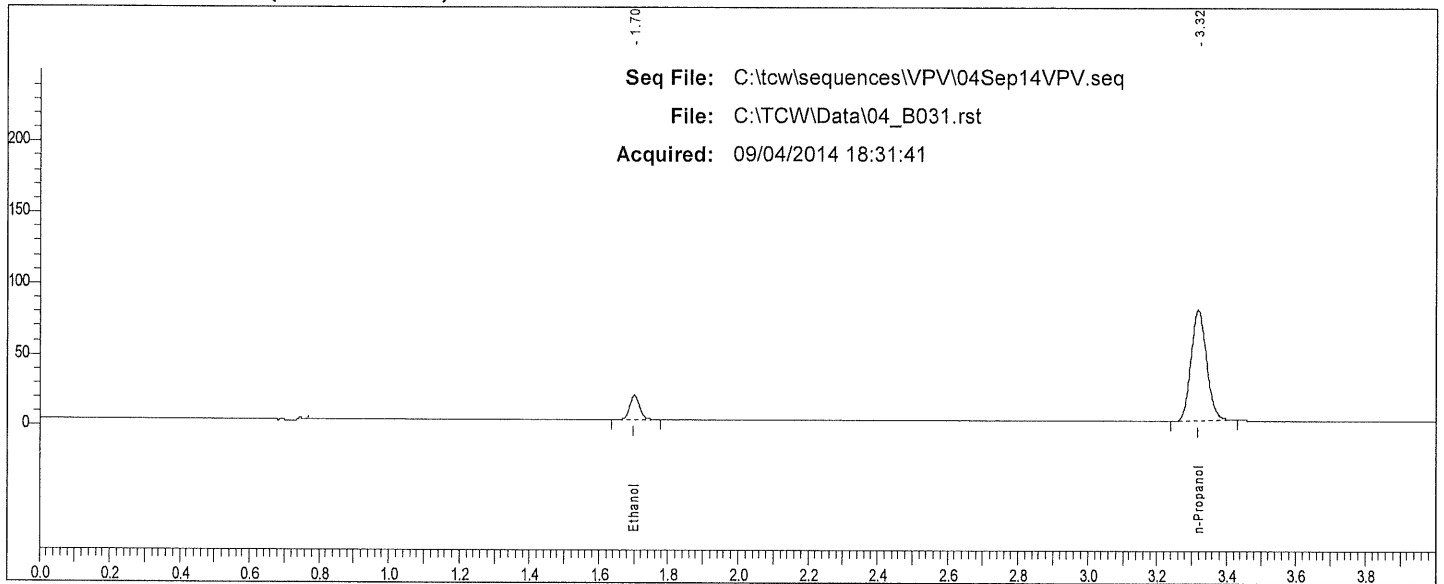
Vial #: 31



Rt	Area	Peak	g/100
1.076	38740	Ethanol	0.0399
1.770	287015	n-Propanol	

Sample: 0.040 QC (30112011-B)

Vial #: 31



Rt	Area	Peak
1.700	33609	Ethanol
3.318	245944	n-Propanol

VP

TotalChrom Sequence File C:\tcw\sequences\VPV\04Sep14VPV.seq

Printed by : manager on: 9/4/2014 11:25:16 AM  
 Created by : manager on: 9/4/2014 11:23:33 AM  
 Edited by : manager on: 9/4/2014 11:23:33 AM  
 Number of Times Edited : 0

Description:

**Sequence File Header Information:**

Number of Rows : 32  
 Instrument Type : PE AutoSystem GC  
 Injection Type : SINGLE  
 Raw tokens channel A :  
 Result tokens channel A :  
 Modified tokens channel A :  
 Raw tokens channel B :  
 Result tokens channel B :  
 Modified tokens channel B :

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**Sequence Sample Descriptions - Channel A**

Row	Type	Name	Number
1	Cal:Replace	0.020 CAL (FN09031301)	001
2	Cal:Replace	0.100 CAL (FN050312-01)	002
3	Cal:Replace	0.200 CAL (FN032712-01)	003
4	Cal:Replace	0.400 CAL (FN012712-01)	004
5	Blank	IS Blank (072414VPV-A)	005
6	Ctrl Sample	MIX (011111VPV)	006
7	Ctrl Sample	0.400 QC (05012012-C)	007
8	Ctrl Sample	0.040 QC (30112011-B)	008
9	Sample		009
10	Sample		010
11	Sample		011
12	Sample		012
13	Sample		013
14	Sample		014
15	Sample		015
16	Sample		016
17	Ctrl Sample	0.200 WB QC (402101060/3)	017
18	Ctrl Sample	0.200 WB QC (402101060/3)	018
19	Ctrl Sample	0.150 QC (11012012-C)	019
20	Ctrl Sample	0.080 QC (14112011-A)	020
21	Sample		021
22	Sample		022
23	Sample		023
24	Sample		024
25	Sample		025
26	Sample		026
27	Sample		027
28	Sample		028
29	Blank	IS Blank (072414VPV-A)	029
30	Ctrl Sample	0.400 QC (05012012-C)	030
31	Ctrl Sample	0.040 QC (30112011-B)	031
32	Sample	END OF SEQUENCE	032

Scottsdale P.D. Crime Lab  
Summary of Cases for Ethanol

Acquired: 09/04/2014

Analyst: VRV

Sequence: C:\fcw\sequences\VRV04Sep14VPV.seq W

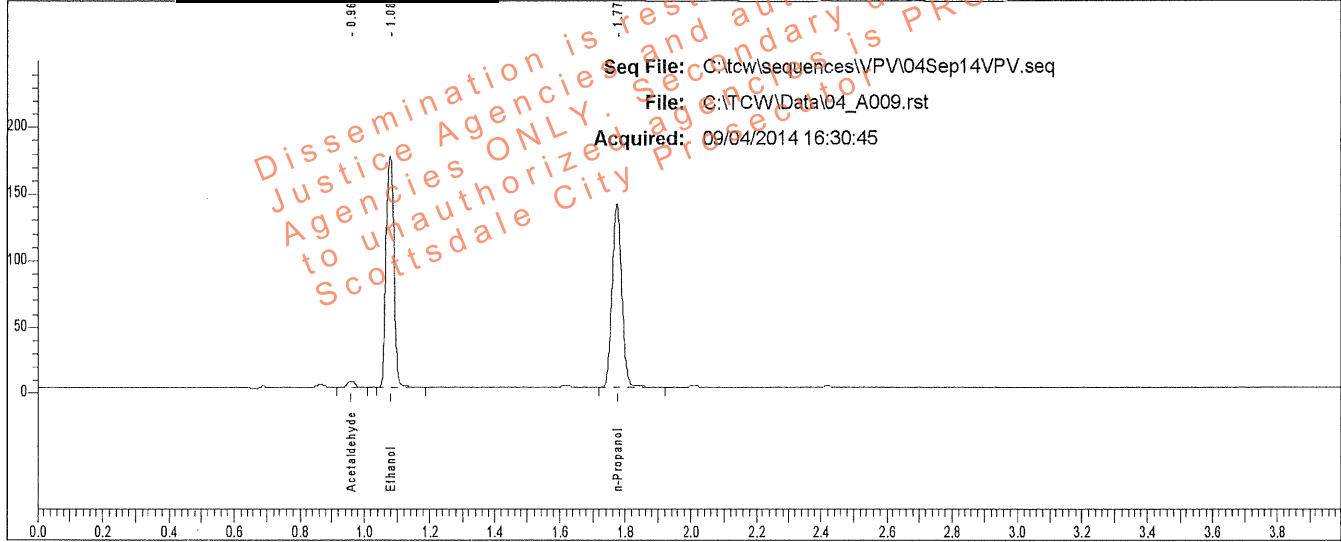
File	Sample	Result	Result	% Diff.
04_A009.rst		0.2922	0.2926	0.15
04_A011.rst		0.1691	0.1694	0.13
04_A013.rst		0.1385	0.1394	0.66
04_A015.rst		0.2189	0.2186	0.17
04_A021.rst		0.1169	0.1163	0.57
04_A023.rst		0.1278	0.1278	0.05
04_A025.rst		0.1737	0.1739	0.10
04_A027.rst		0.0890	0.0888	0.32
04_A032.rst	END OF SEQUENCE	0		

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

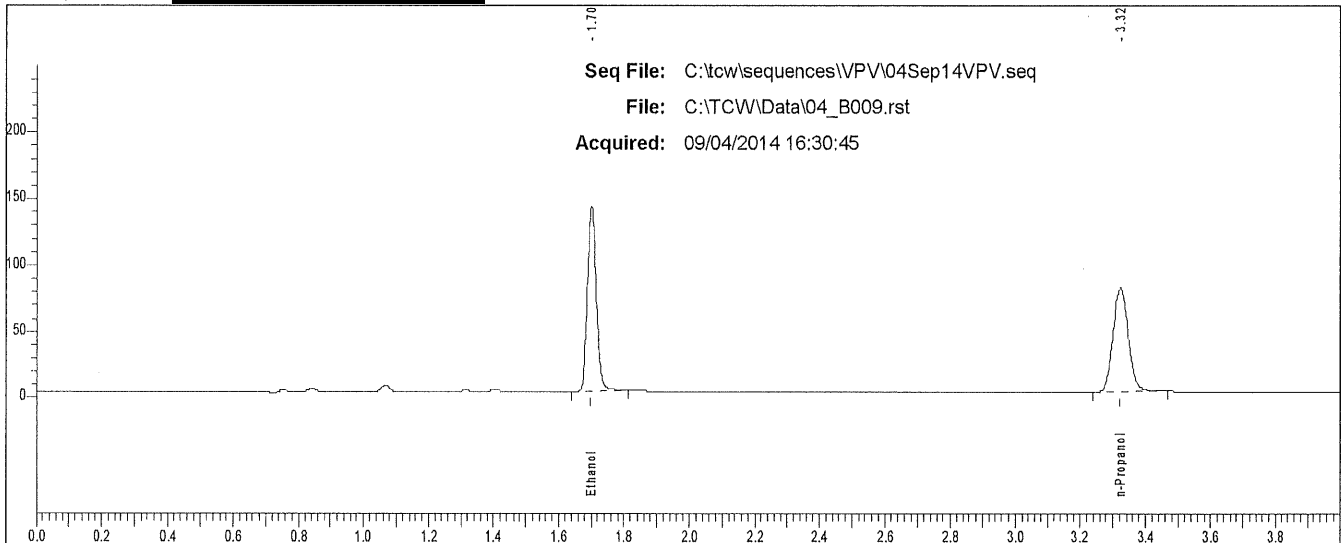
Vial #: 9



Rt	Area	Peak	g/100
0.959	7497	Acetaldehyde	
1.078	289145	Ethanol	0.2922
1.773	287312	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 9



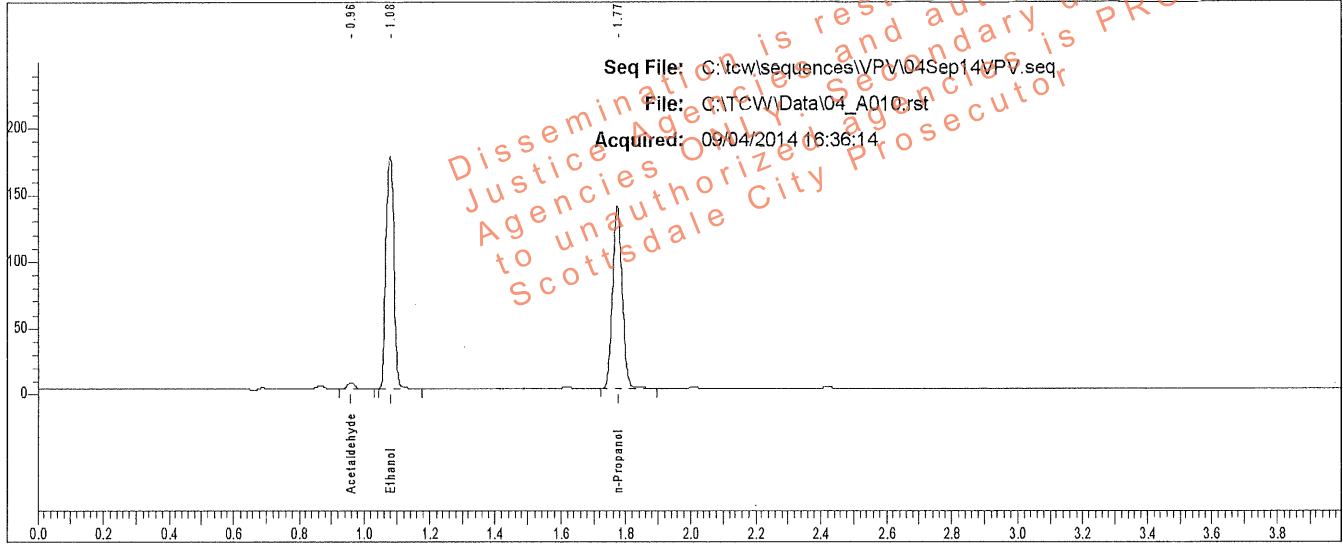
Rt	Area	Peak
1.701	262086	Ethanol
3.321	248395	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

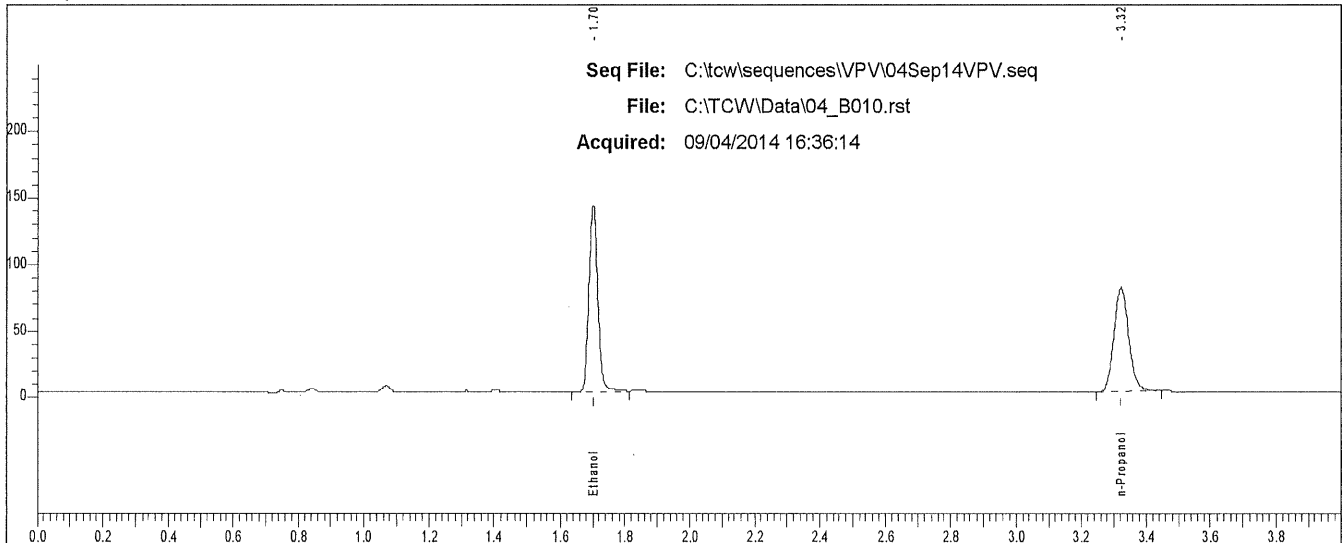
Vial #: 10



Rt	Area	Peak	g/100
0.959	6777	Acetaldehyde	
1.078	290763	Ethanol	0.2926
1.773	288494	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 10



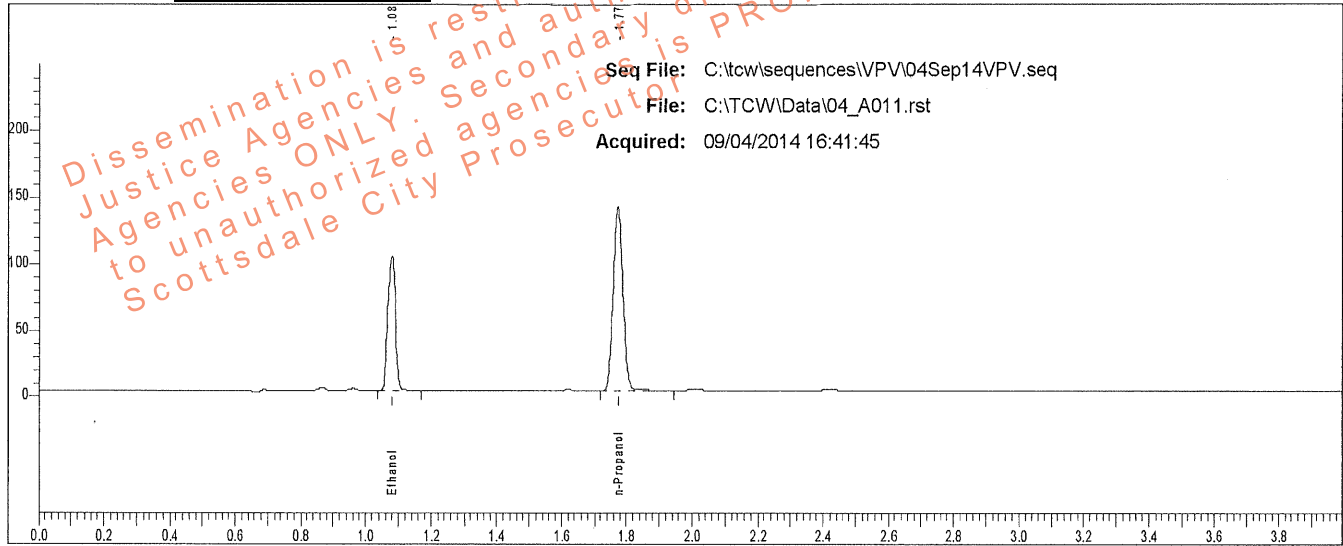
Rt	Area	Peak
1.701	263661	Ethanol
3.321	247914	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14 [REDACTED]

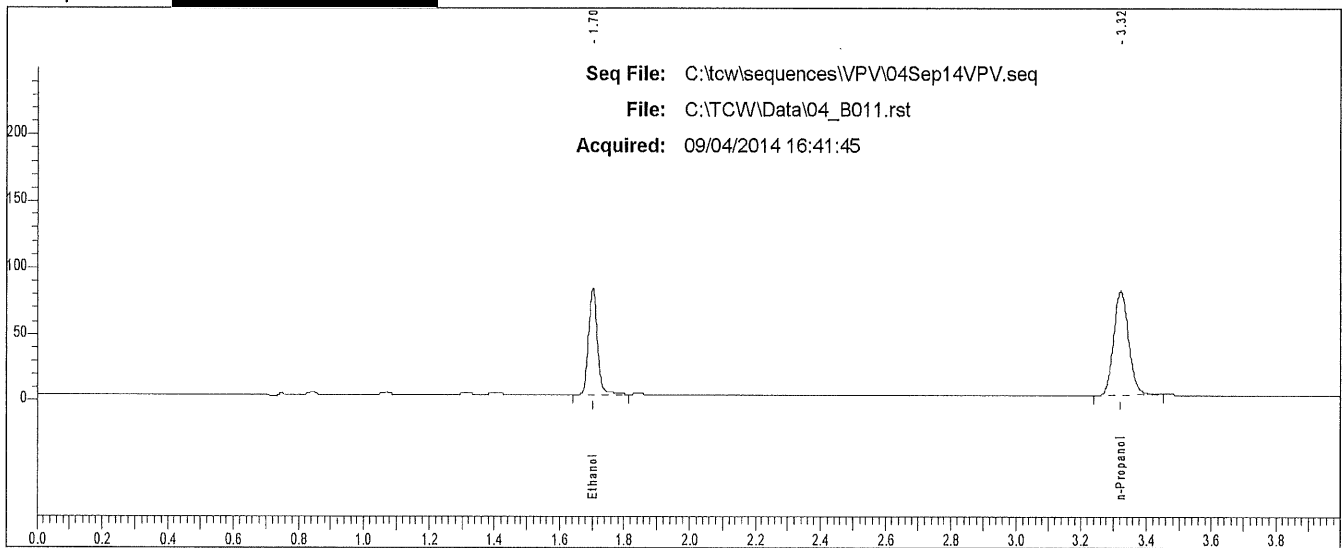
Vial #: 11



Rt	Area	Peak	g/100
1.079	168619	Ethanol	0.1691
1.773	290033	n-Propanol	

Sample: L14 [REDACTED]

Vial #: 11



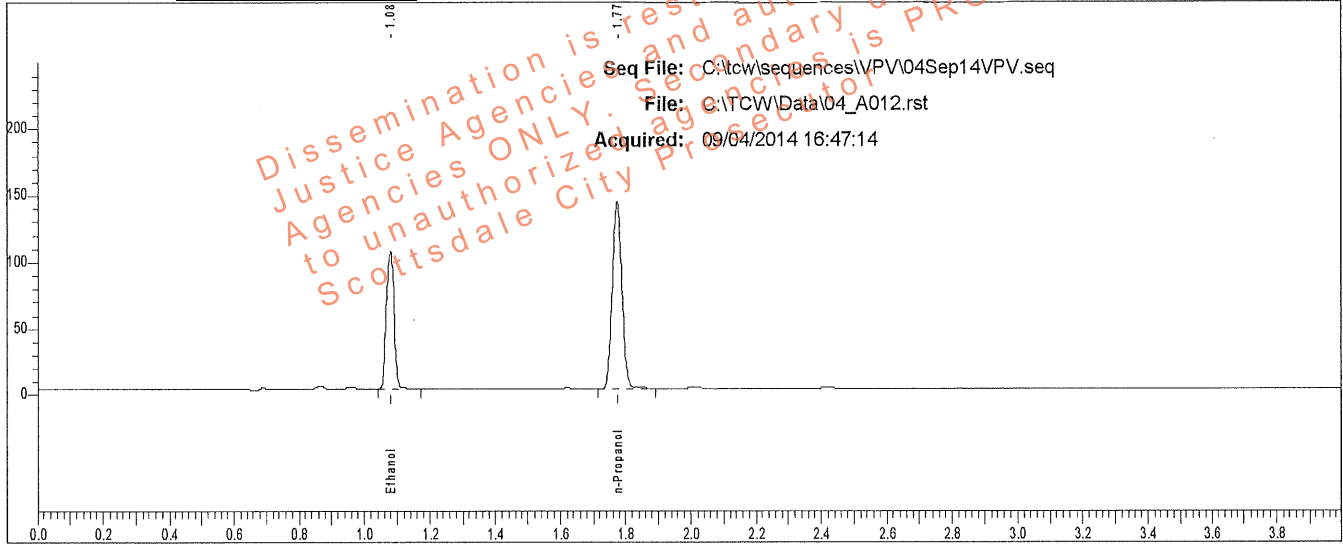
Rt	Area	Peak
1.702	153021	Ethanol
3.321	248542	n-Propanol

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

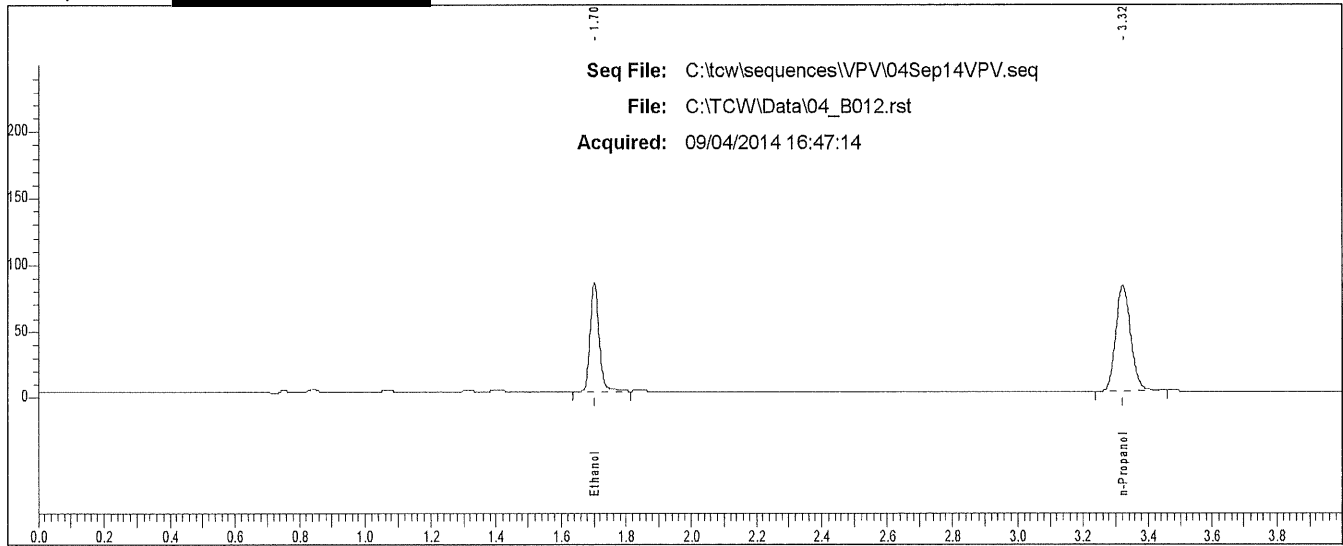
Vial #: 12



Rt	Area	Peak	g/100
1.079	171893	Ethanol	0.1694
1.774	295268	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 12



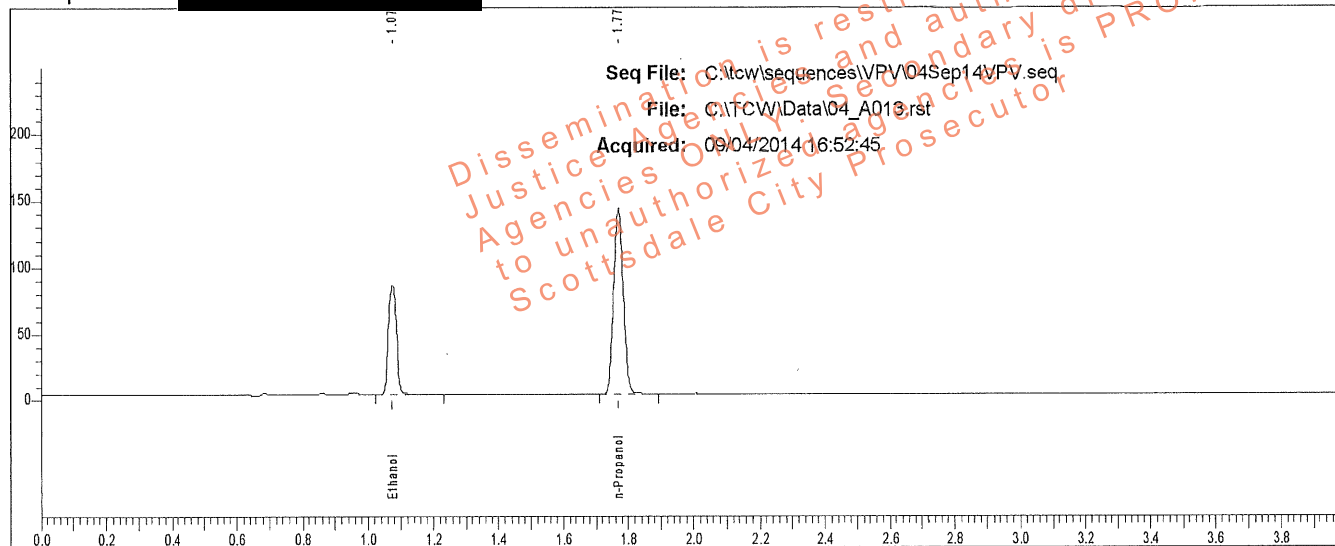
Rt	Area	Peak
1.702	155836	Ethanol
3.321	254131	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

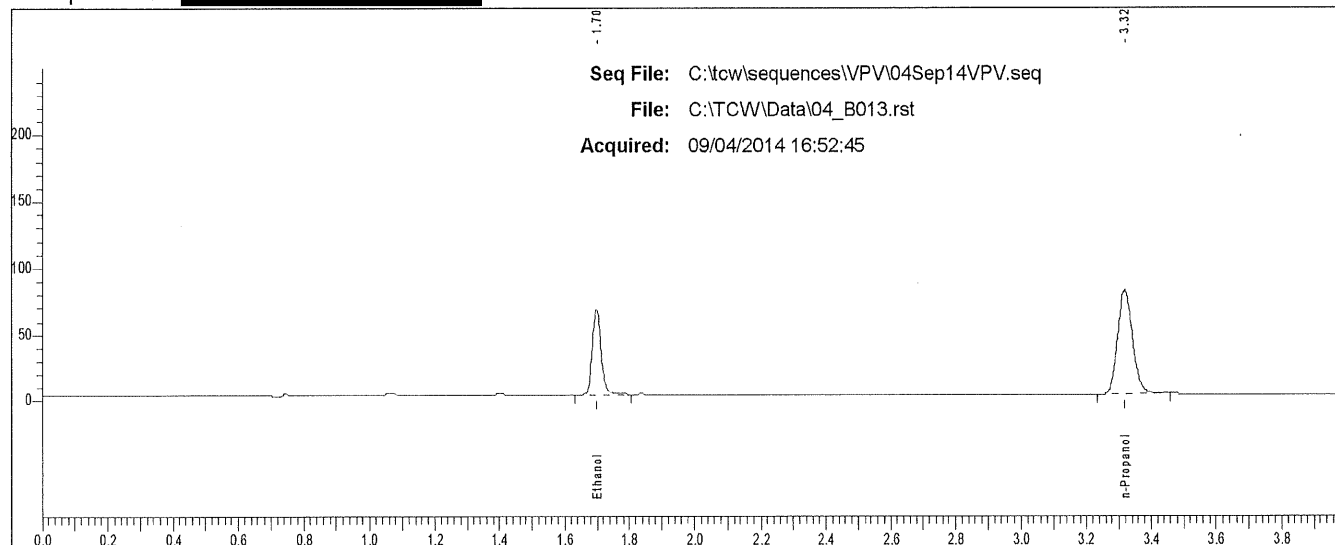
Vial #: 13



Rt	Area	Peak	g/100
1.075	138043	Ethanol	0.1385
1.770	290367	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 13



Rt	Area	Peak
1.698	123464	Ethanol
3.317	251114	n-Propanol

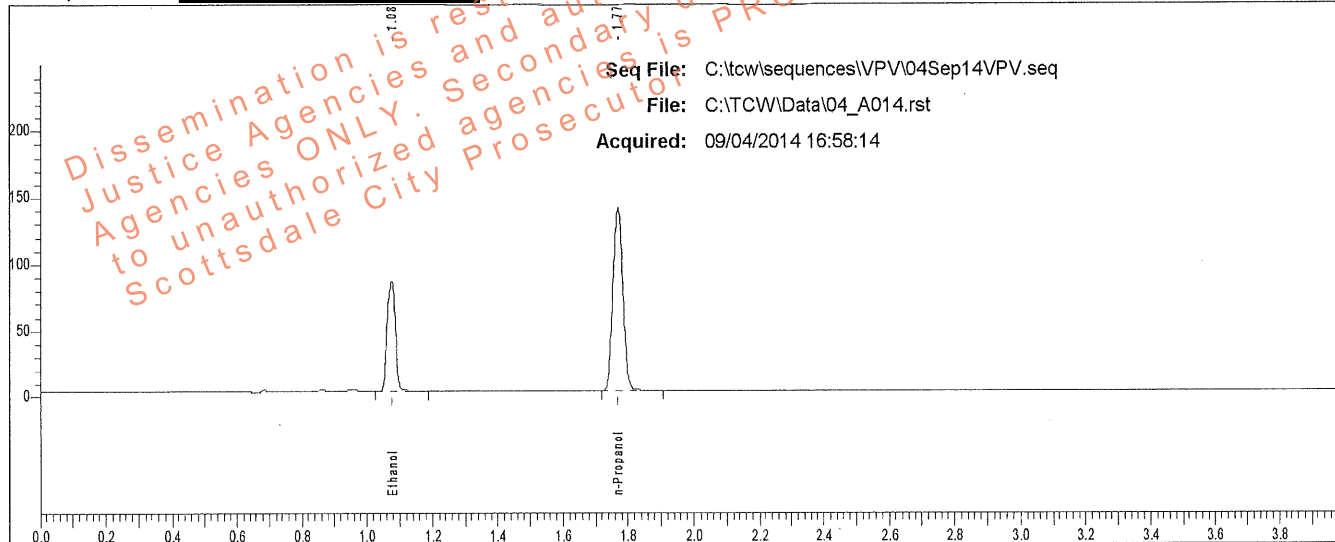


### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14 [REDACTED]

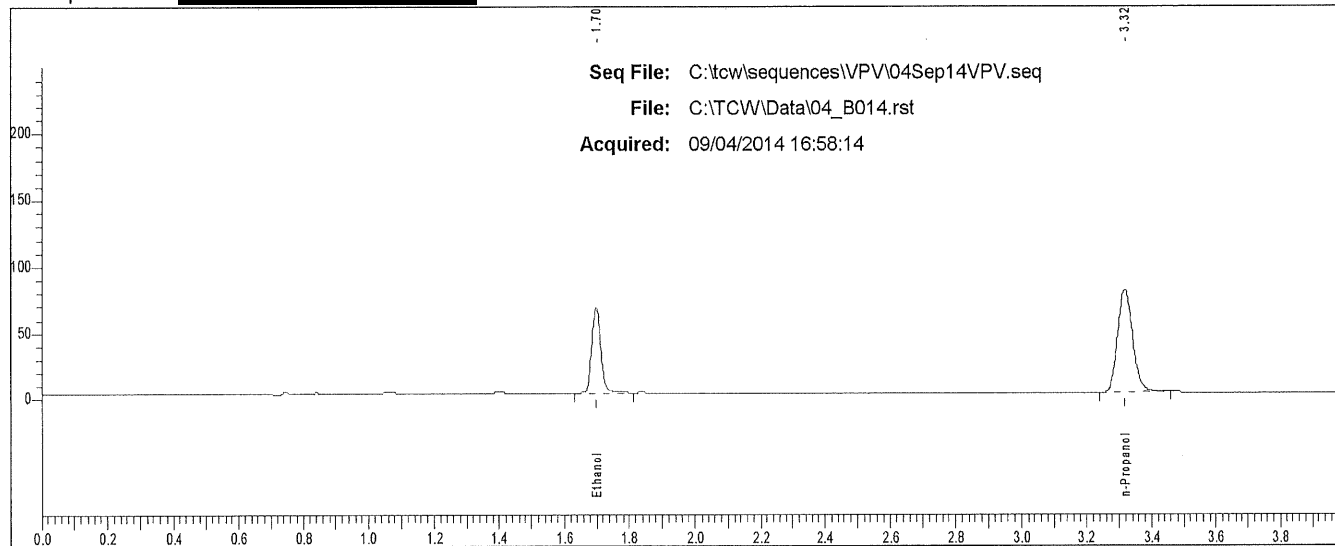
Vial #: 14



Rt	Area	Peak	g/100
1.075	137918	Ethanol	0.1394
1.769	288179	n-Propanol	

Sample: L14 [REDACTED]

Vial #: 14



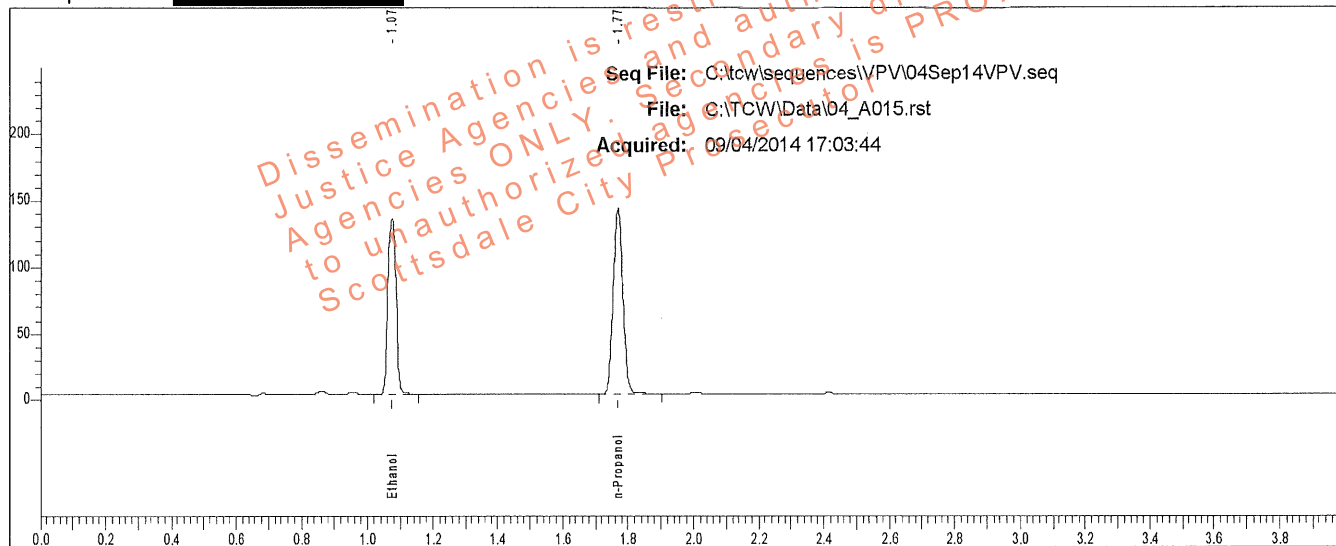
Rt	Area	Peak
1.698	123900	Ethanol
3.317	248955	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

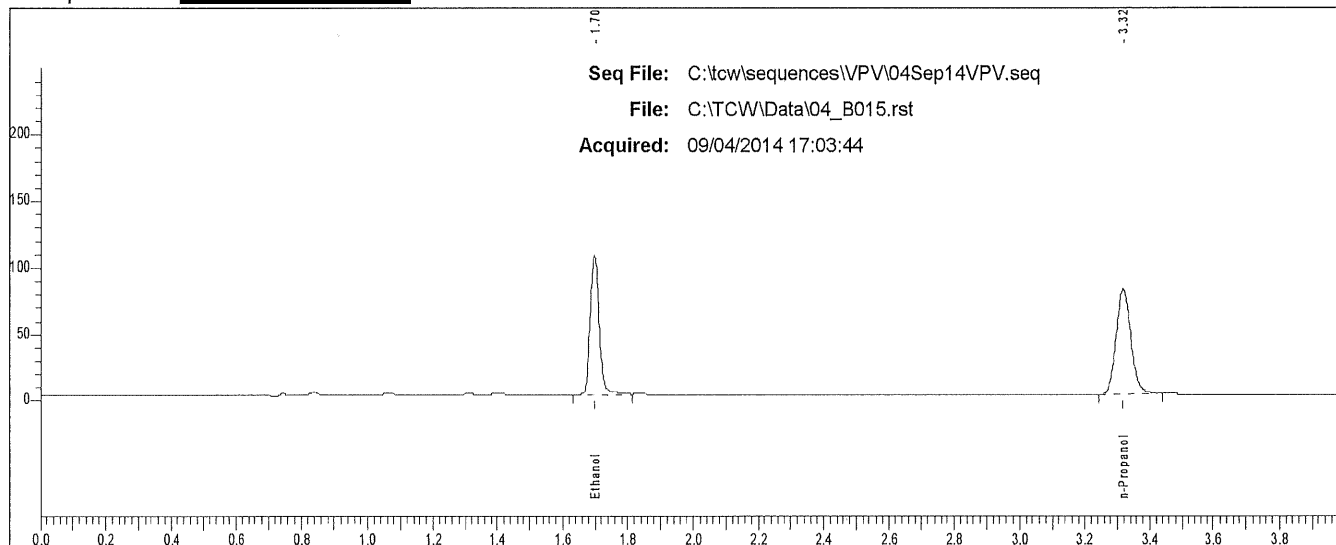
Vial #: 15



Rt	Area	Peak	g/100
1.075	220025	Ethanol	0.2189
1.769	292043	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 15



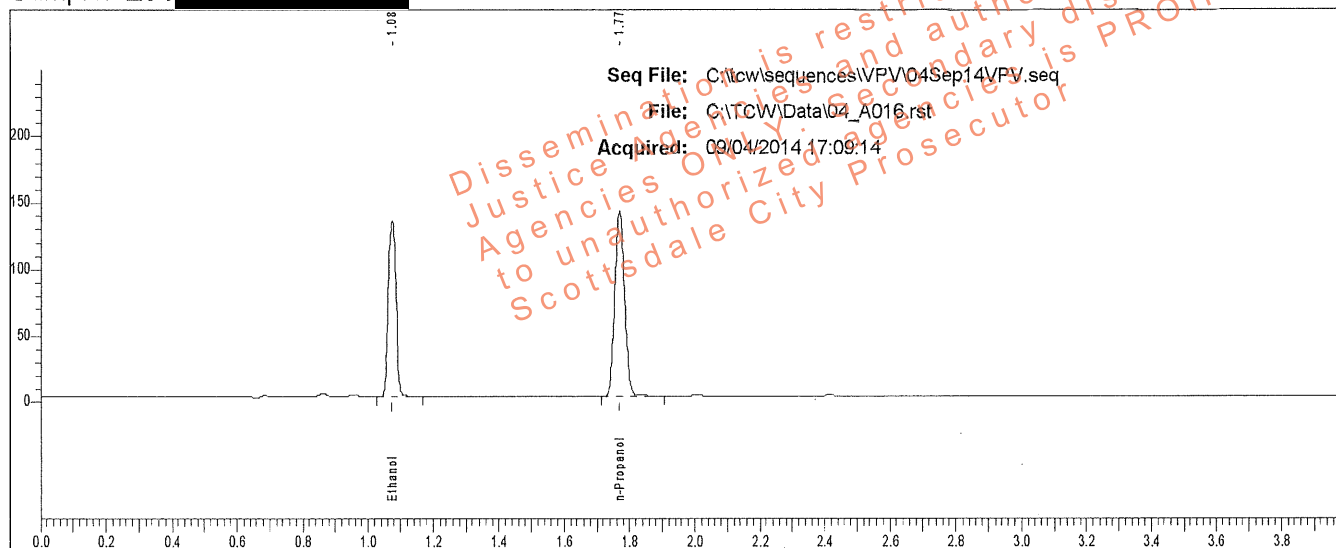
Rt	Area	Peak
1.697	199489	Ethanol
3.317	249928	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

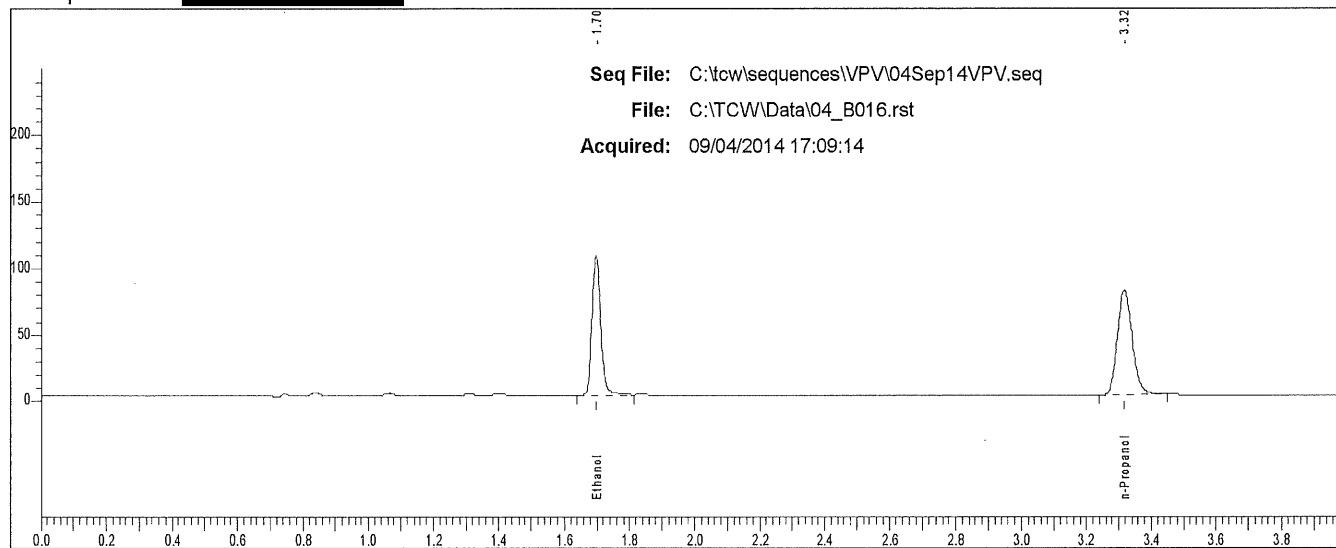
Vial #: 16



Rt	Area	Peak	g/100
1.075	218951	Ethanol	0.2186
1.769	291119	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 16



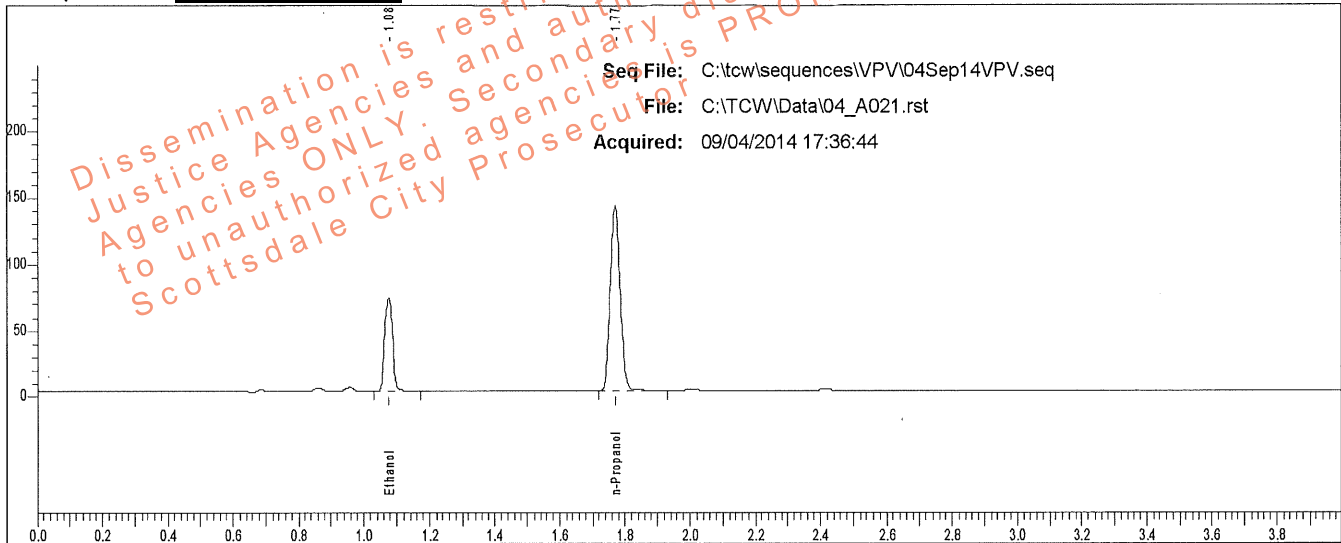
Rt	Area	Peak
1.697	198286	Ethanol
3.317	250004	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

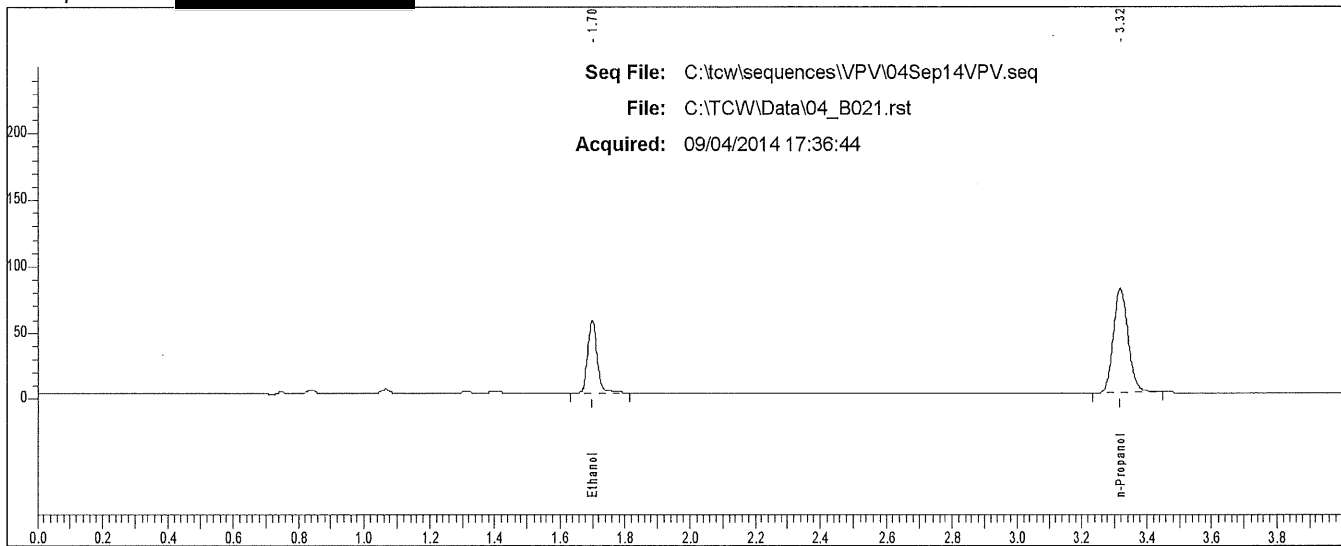
Vial #: 21



Rt	Area	Peak	g/100
1.076	117071	Ethanol	0.1169
1.770	291944	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 21



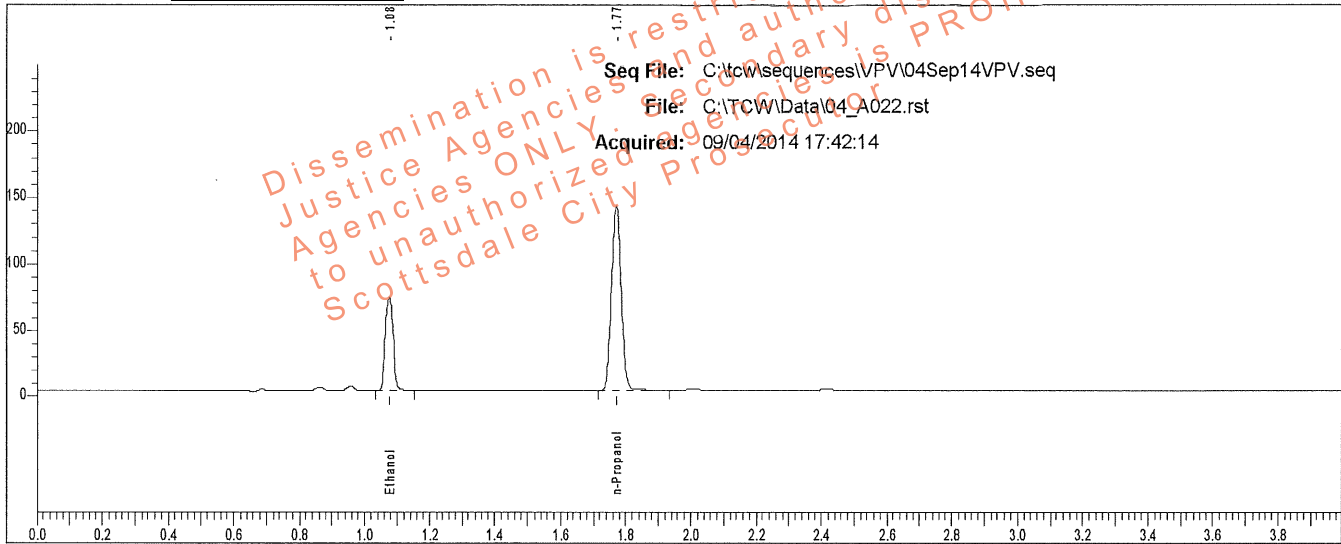
Rt	Area	Peak	g/100
1.699	106574	Ethanol	
3.318	250051	n-Propanol	

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

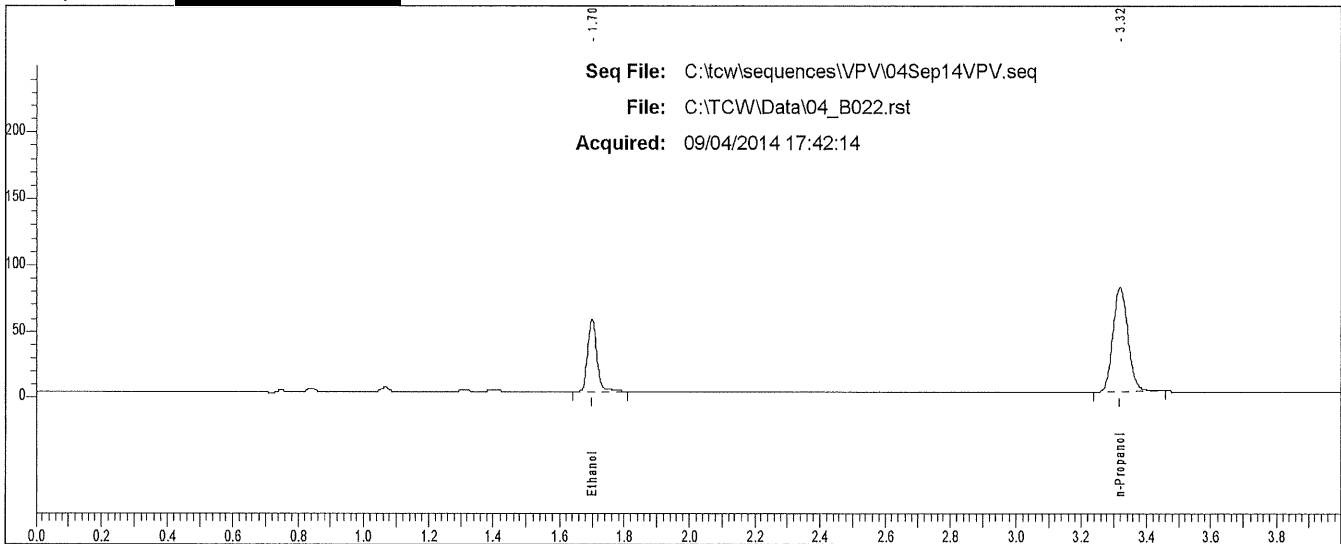
Vial #: 22



Rt	Area	Peak	g/100
1.076	116857	Ethanol	0.1163
1.770	293092	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 22



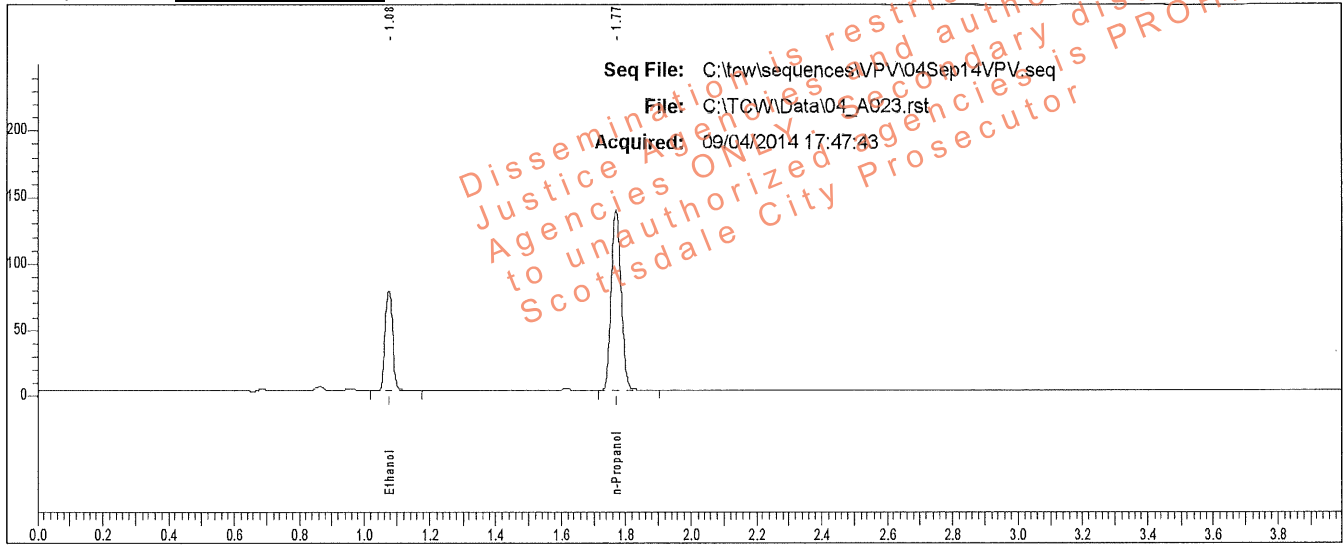
Rt	Area	Peak
1.699	106409	Ethanol
3.318	251965	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

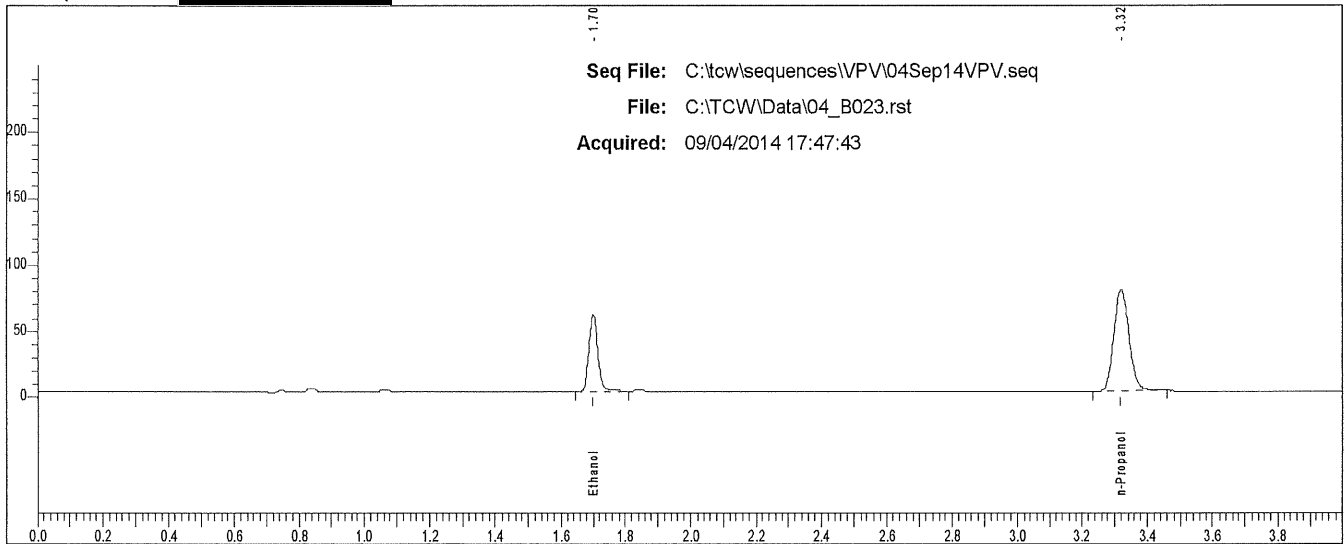
Vial #: 23



Rt	Area	Peak	g/100
1.076	124774	Ethanol	0.1278
1.770	284594	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 23



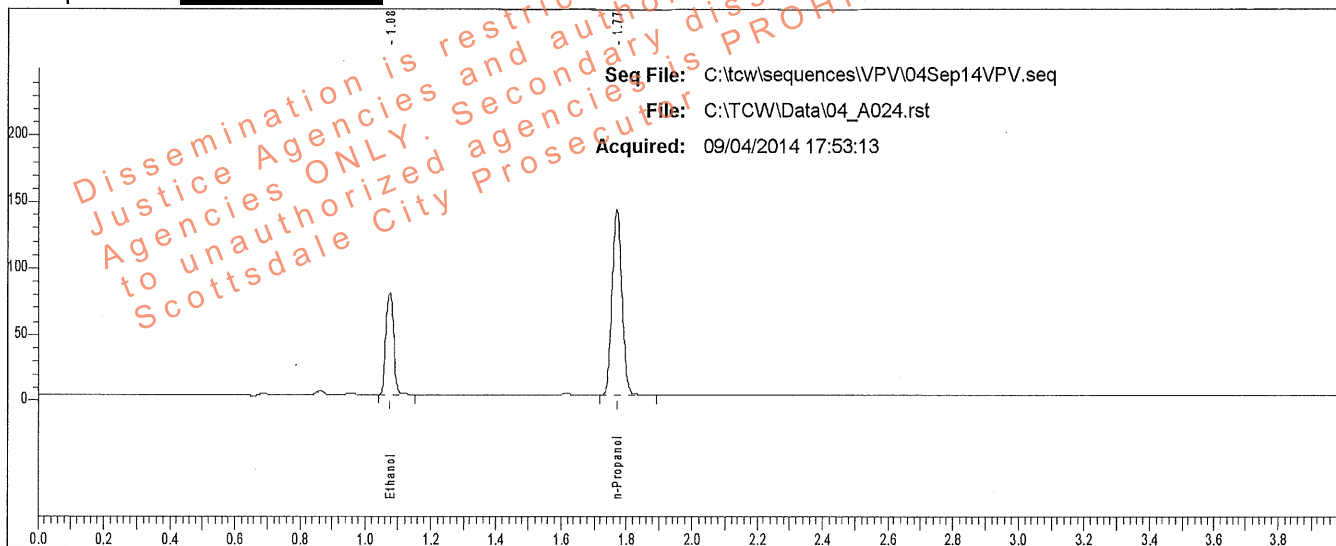
Rt	Area	Peak
1.699	111425	Ethanol
3.318	245445	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

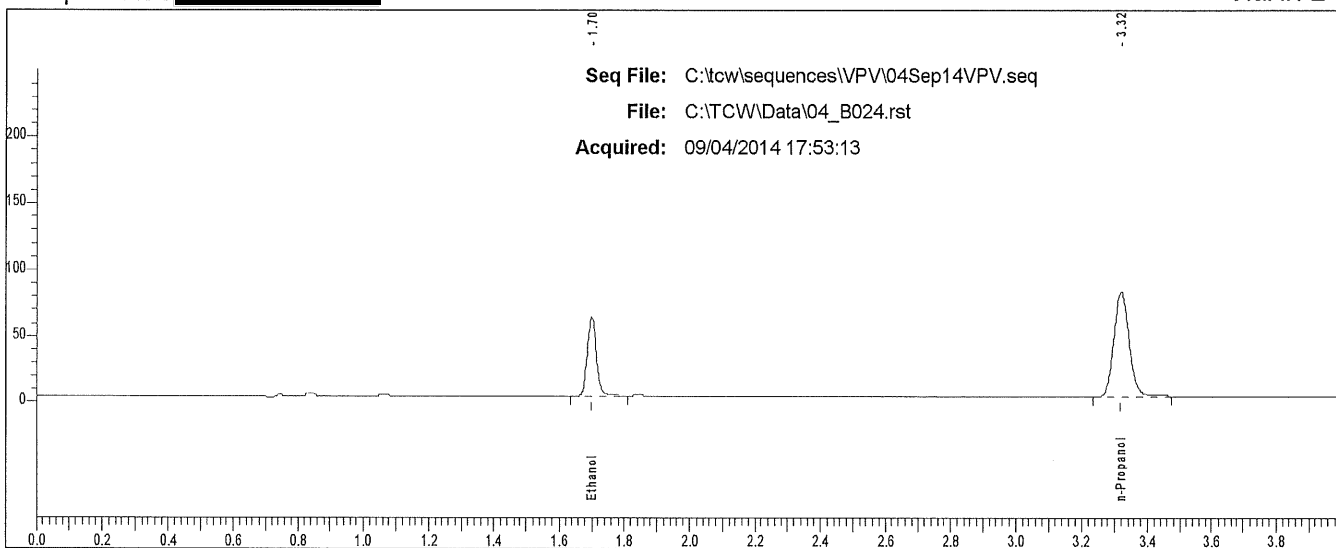
Vial #: 24



Rt	Area	Peak	g/100
1.076	127776	Ethanol	0.1278
1.770	291284	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 24



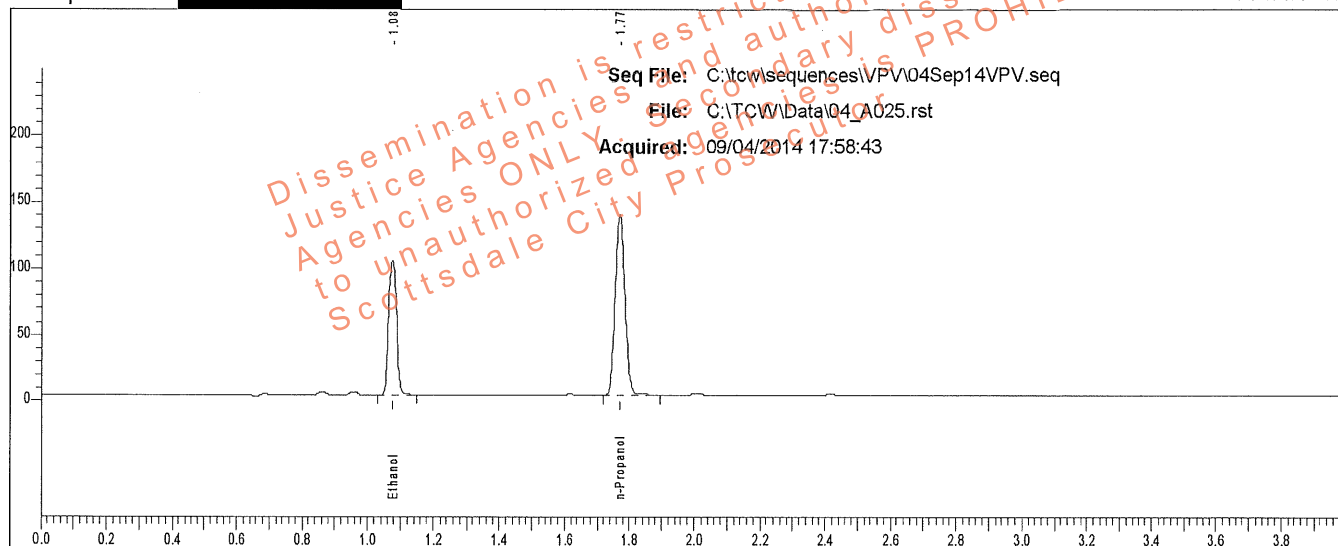
Rt	Area	Peak
1.699	114212	Ethanol
3.319	252090	n-Propanol

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

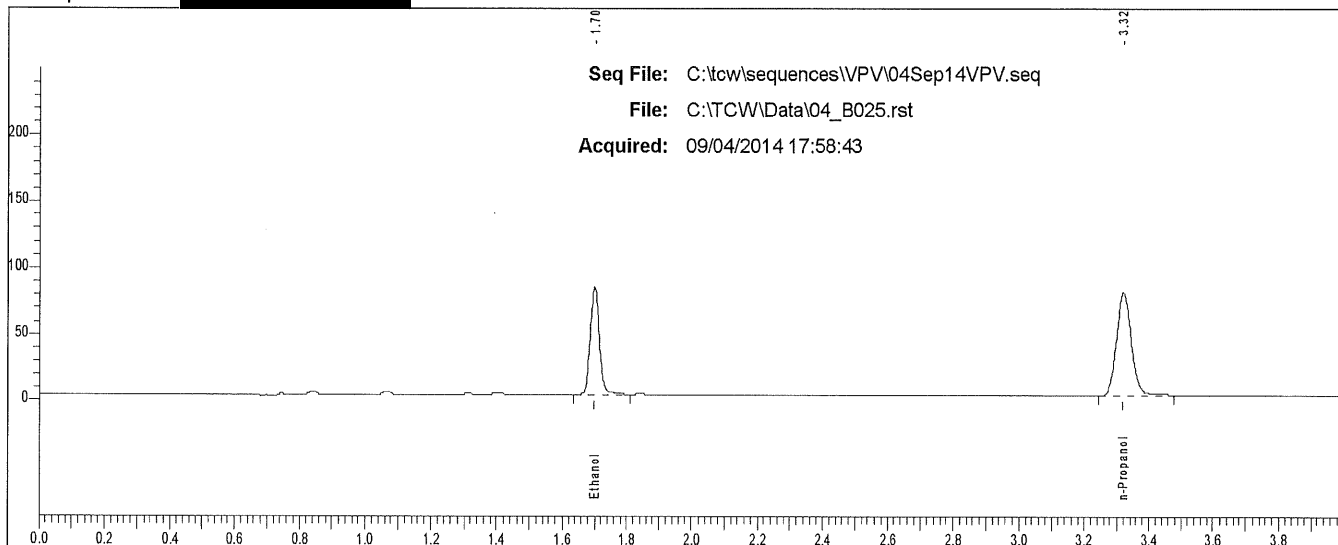
Vial #: 25



Rt	Area	Peak	g/100
1.076	170474	Ethanol	0.1737
1.771	285433	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 25



Rt	Area	Peak
1.699	154563	Ethanol
3.319	246419	n-Propanol

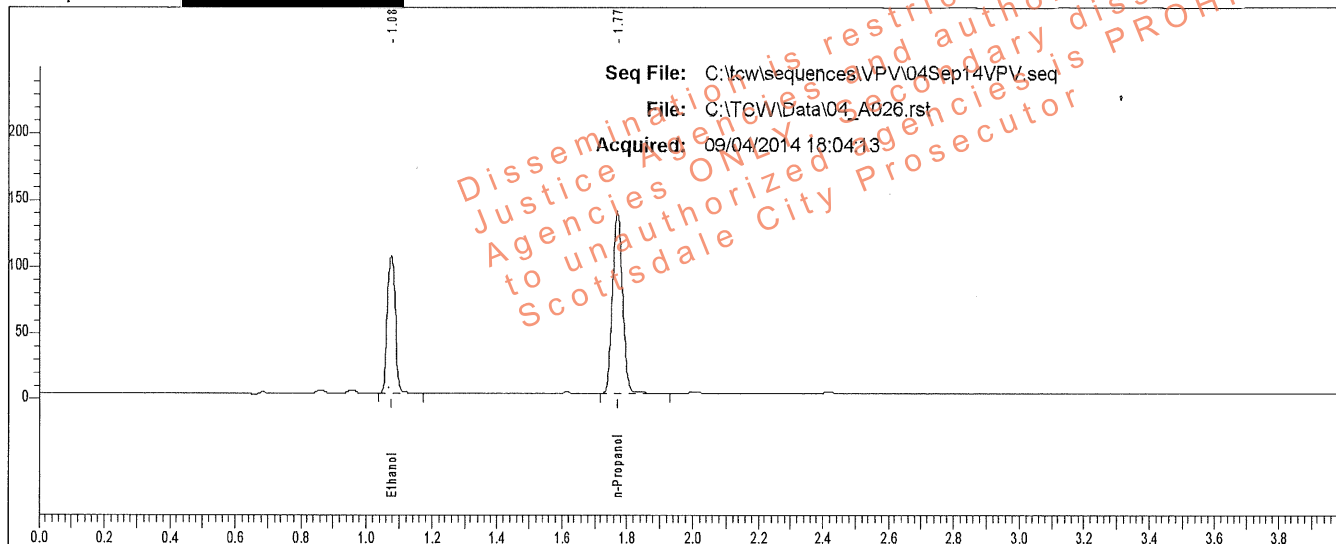


### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

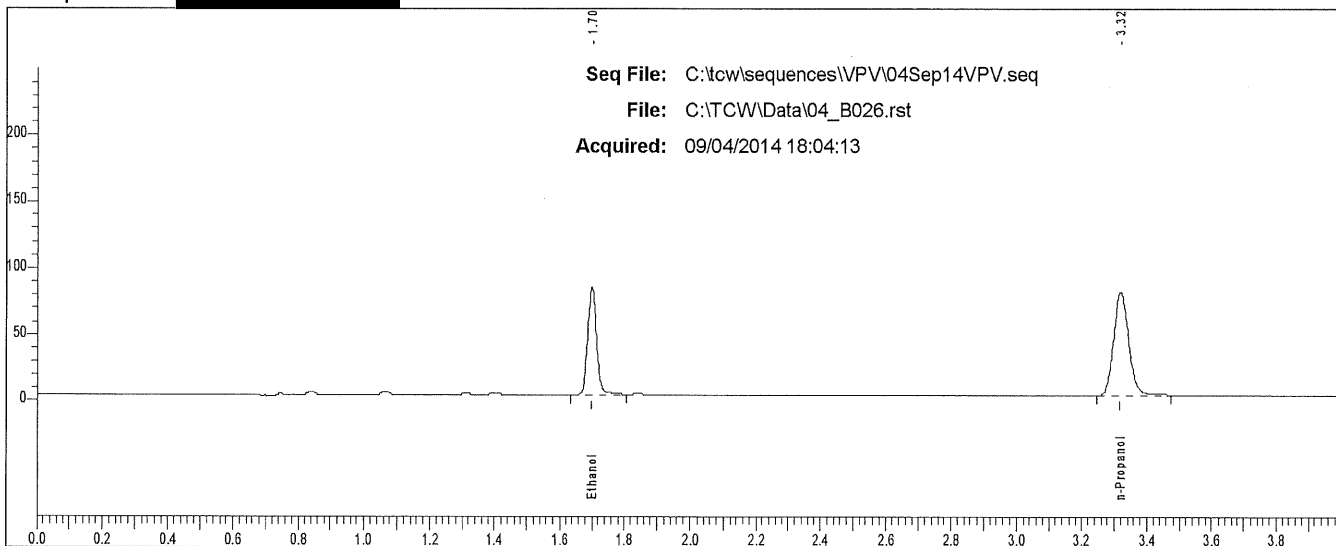
Vial #: 26



Rt	Area	Peak	g/100
1.076	171722	Ethanol	0.1739
1.771	287224	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 26



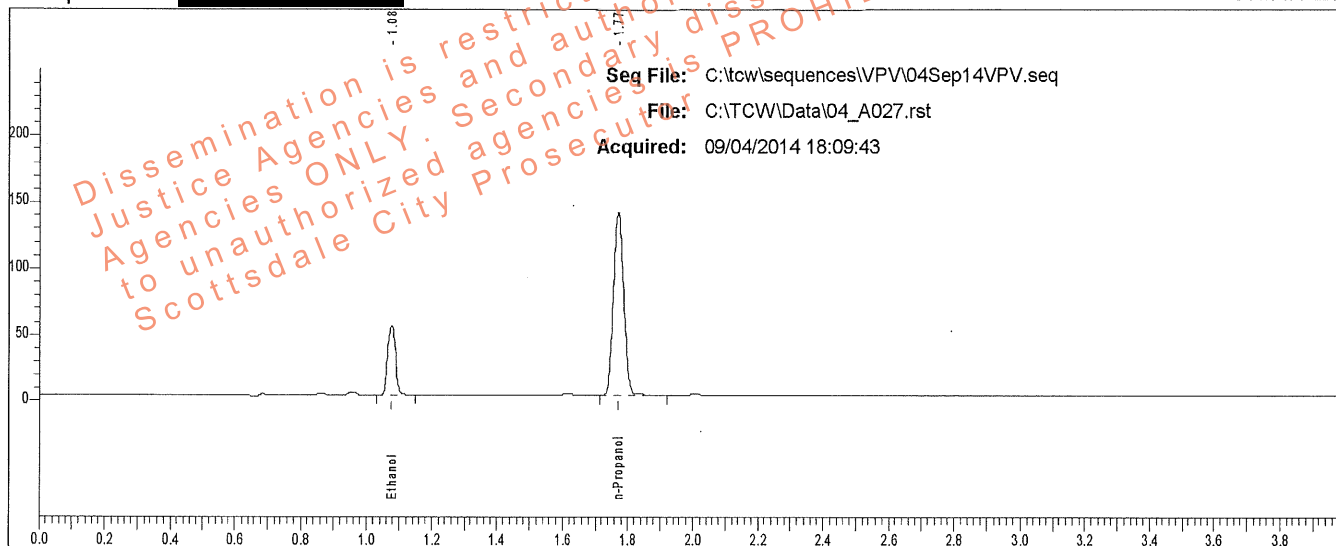
Rt	Area	Peak
1.699	155172	Ethanol
3.319	247668	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

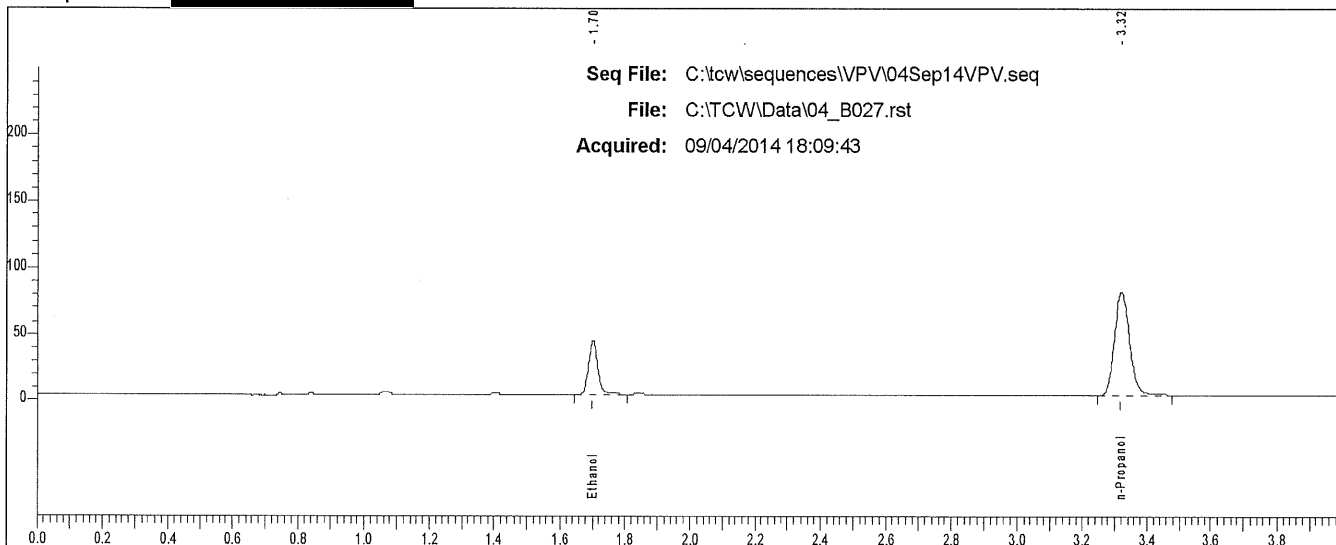
Vial #: 27



Rt	Area	Peak	g/100
1.077	88174	Ethanol	0.0890
1.772	289396	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 27



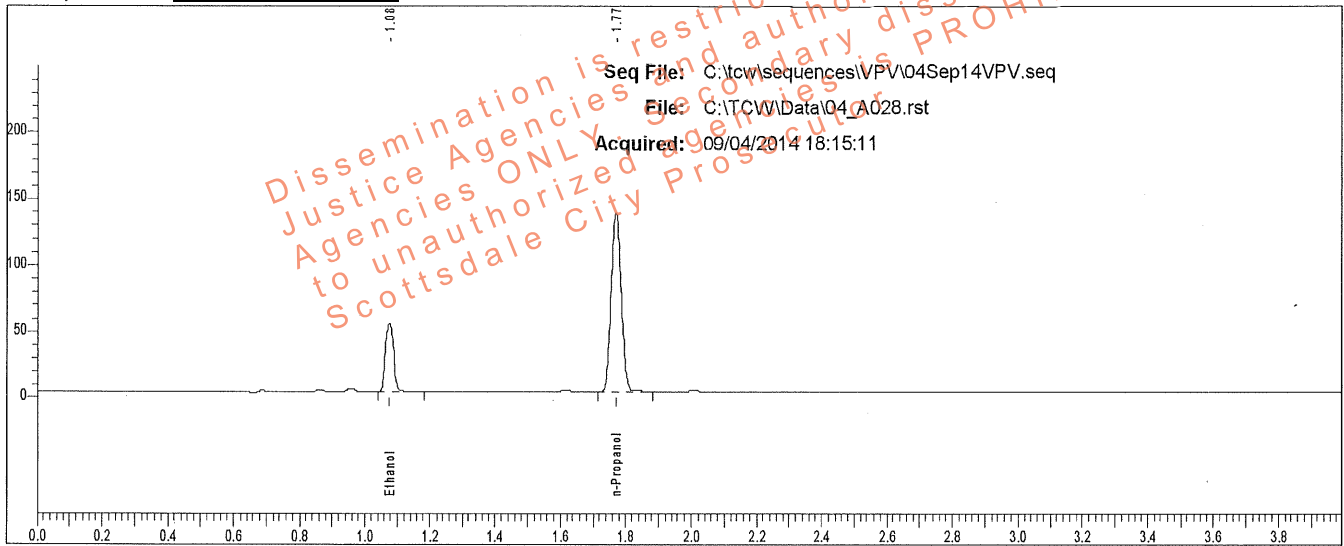
Rt	Area	Peak
1.700	79102	Ethanol
3.319	250179	n-Propanol

### Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: L14- [REDACTED]

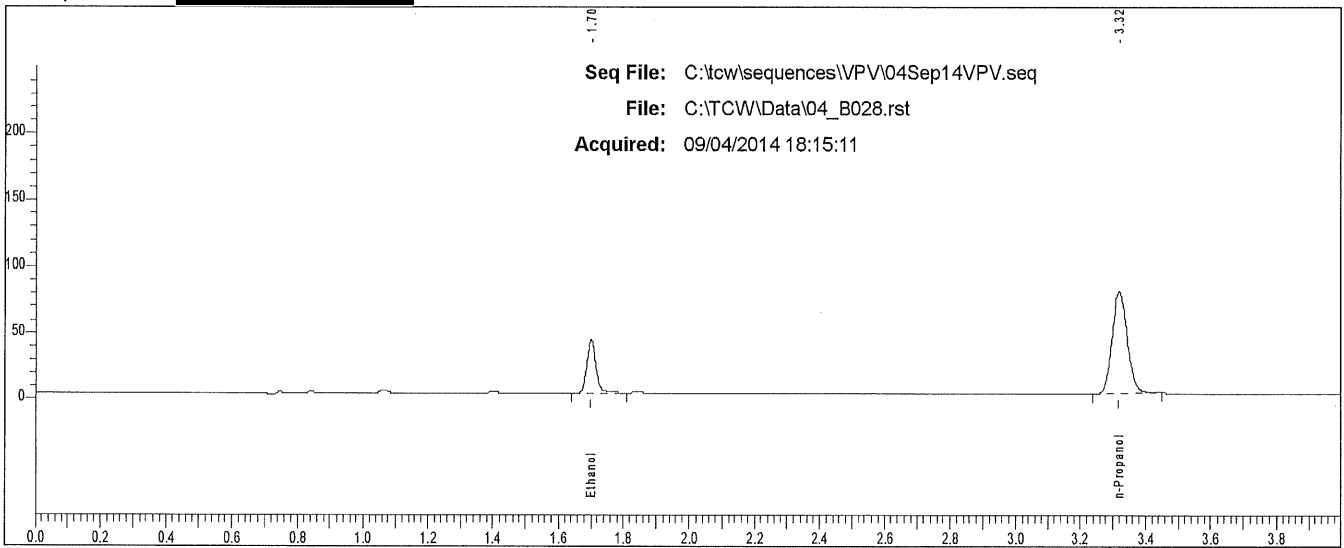
Vial #: 28



Rt	Area	Peak	g/100
1.077	86830	Ethanol	0.0888
1.771	285896	n-Propanol	

Sample: L14- [REDACTED]

Vial #: 28



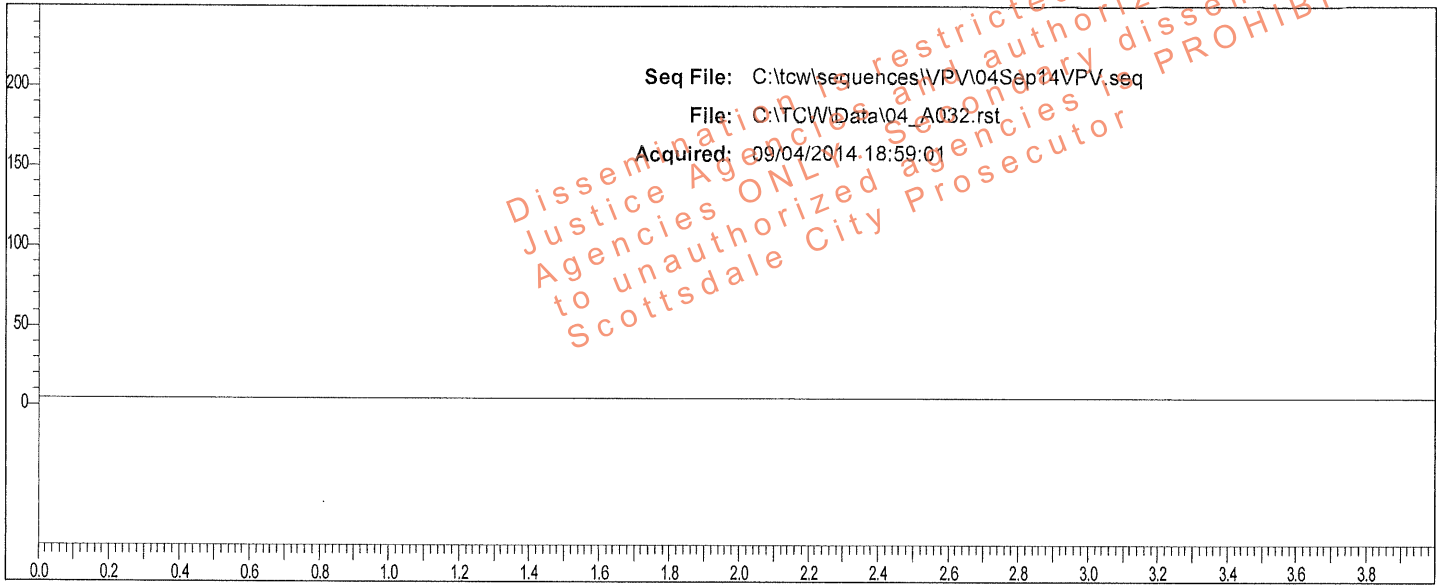
Rt	Area	Peak
1.700	78219	Ethanol
3.319	245395	n-Propanol

# Scottsdale P. D. Crime Lab: Dual Channel Blood Alcohol Report

Instrument: 650N9042002 Analyst: VPV

Sample: END OF SEQUENCE

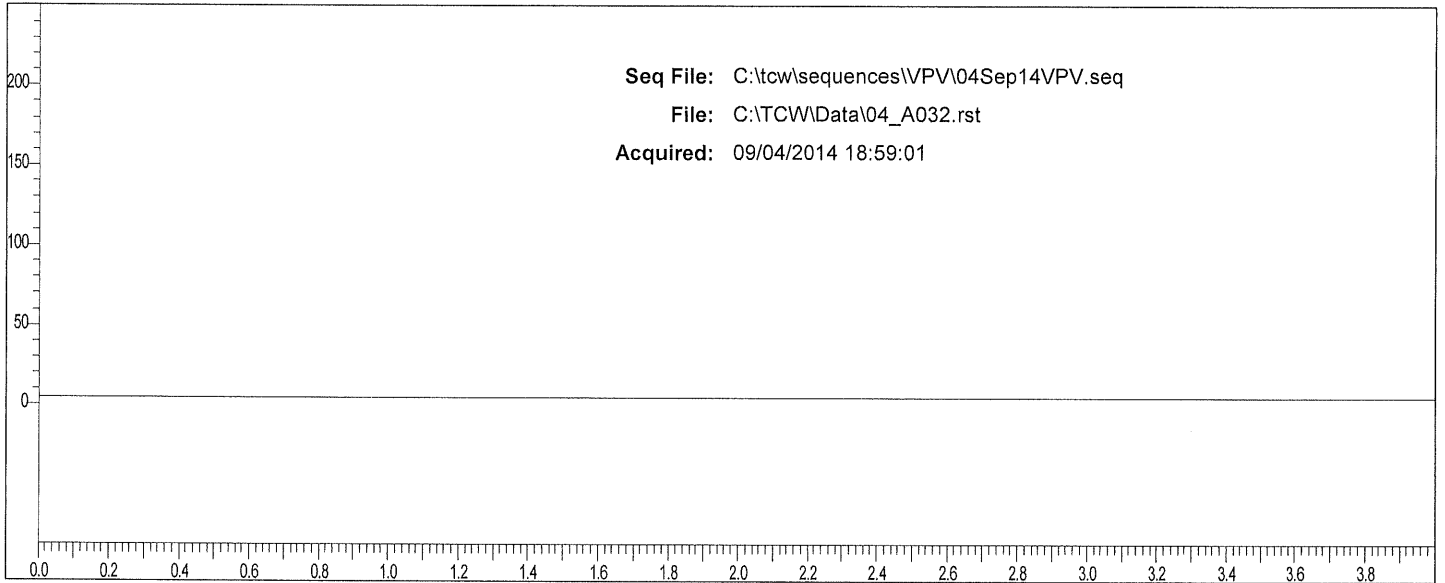
Vial#: 32



Rt	Area	Peak	g/100
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Sample: END OF SEQUENCE

Vial#: 32



Rt	Area	Peak
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