SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 5/15/2018 SEQUENCE NAME 15May18

EQUIPMENT

Pipettor ☐ Hamilton ML600EH7497 ☒ Hamilton ML600GJ10749
Gas Chromatograph ☒ Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604
Vial 2 0.10 calibrator Lot FN06181501
Vial 3 0.20 calibrator Lot FN07201502
Vial 4 0.40 calibrator Lot FN11191402

Coefficient of determination (r^2) 0.99999

CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 042518
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 020917WLA
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.197 g/dL	ACQ 407041529/3
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 28082014-B
31	Aqueous control	0.150 g/dL	0.150 g/dL	Lipomed 09022015-C
36	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 08012015-C
37	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 09022015-A
38	Blood control	0.198 g/dL	0.201 g/dL	ACQ 407041529/3
39	Blank	Not detected	Not detected	SPD lab 042518

SUBJECT SAMPLES

Subjects in the sequence 12 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid ☒ Run invalid ☐ WA B1570 5/16/18
Analyst

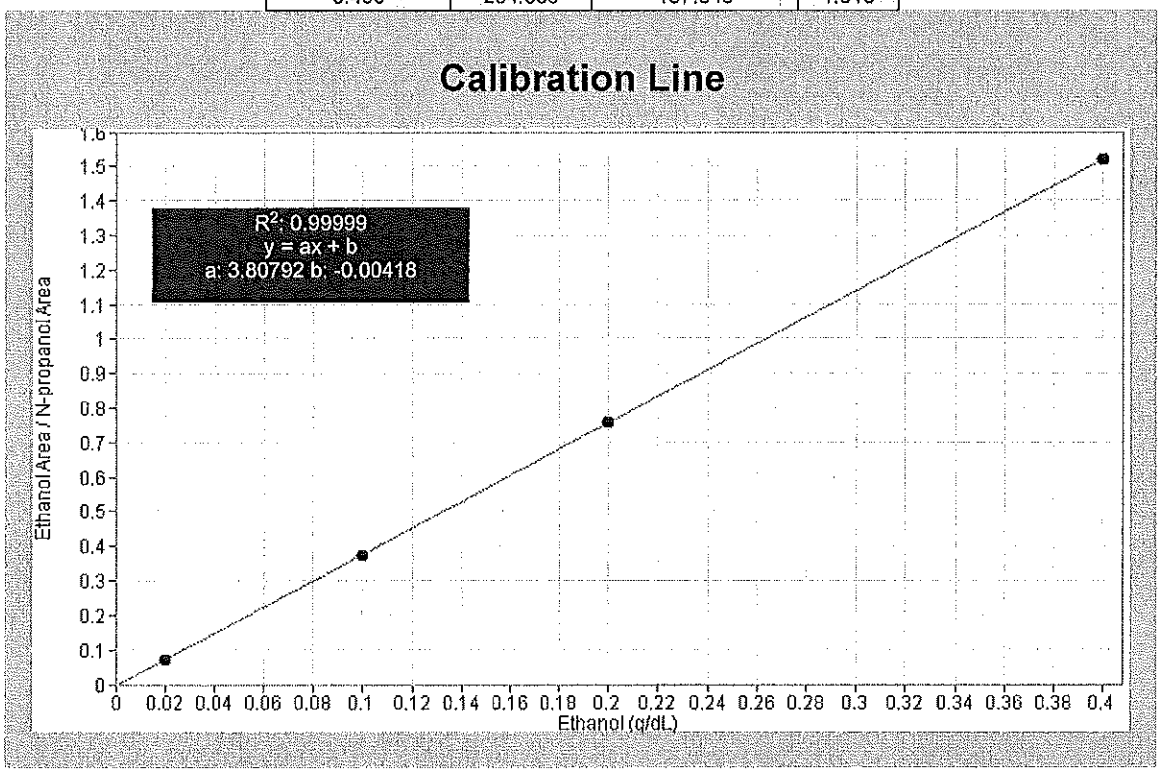
Run valid ☒ Run invalid ☐ KOSECKI 5/16/18
Technical Reviewer

Scottsdale Police Department Crime Laboratory
Sequence Quality Assurance Summary

SEQUENCE NAME: 15May18 **ANALYST: Adrian** WA

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 042518	5	negative	negative	-	-
0.400 Lipomed 08012015-C	7	0.401	0.400	0.25	0.001
0.040 Lipomed 09022015-A	8	0.039	0.040	2.50	-0.001
0.198 ACQ 407041529/3	9	0.197	0.198	0.51	-0.001
0.080 Lipomed 28082014-B	20	0.080	0.080	0.00	0.000
0.150 Lipomed 09022015-C	31	0.150	0.150	0.00	0.000
0.40 Lipomed 08012015-C	36	0.403	0.400	0.75	0.003
0.04 Lipomed 09022015-A	37	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/3	38	0.201	0.198	1.52	0.003
blank 042518	39	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.652	174.431	0.073
0.100	63.993	171.023	0.374
0.200	129.224	170.028	0.760
0.400	254.836	167.846	1.518



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0.020 Cerilliant FN03241604	**Item number:**	
Injection date:	5/15/2018 3:22:10 PM	**Vial:**	1
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\1.D		

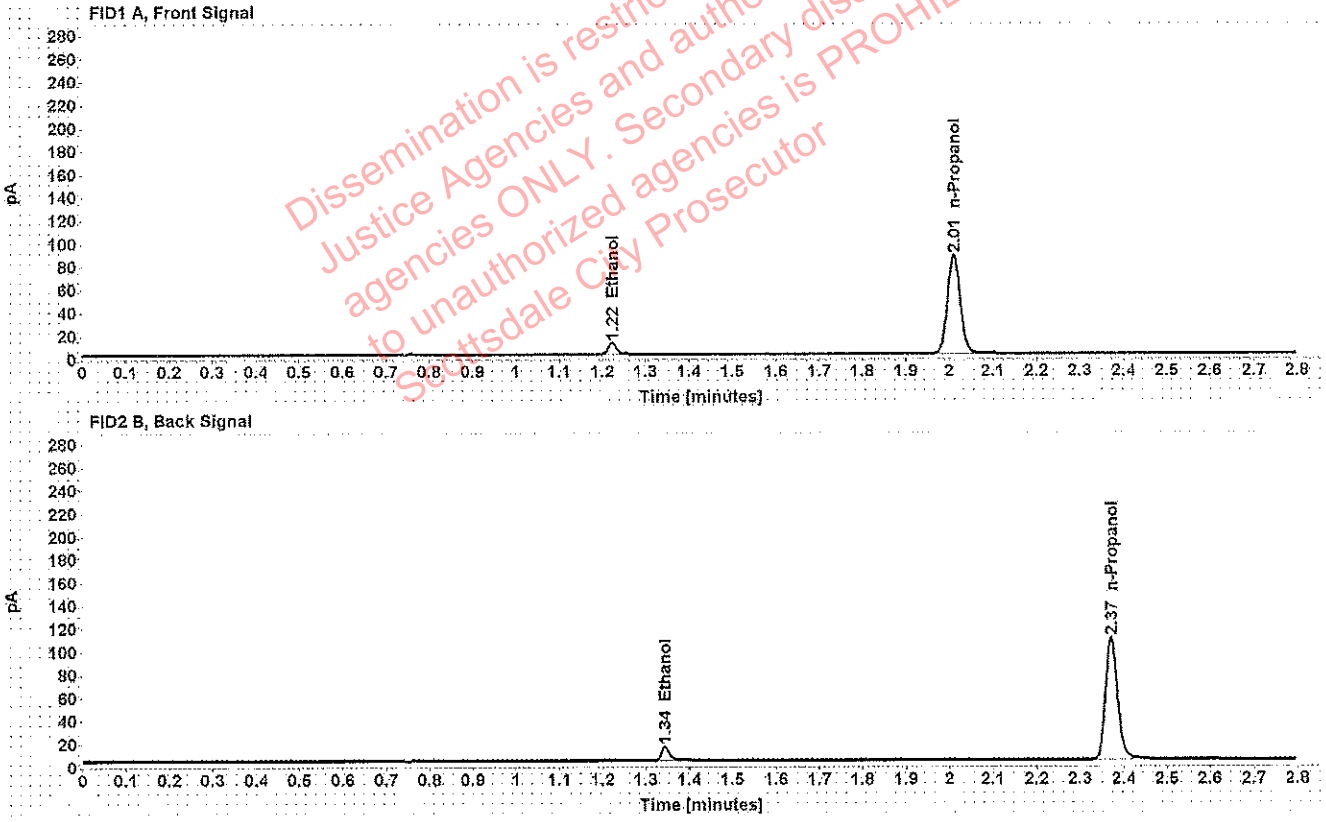


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.223	12.652
n-Propanol	2.010	174.431

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.343	14.606
n-Propanol	2.371	203.374

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.100 Cerilliant FN06181501	**Item number:**	
Injection date:	5/15/2018 3:26:10 PM	**Vial:**	2
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\2.D		

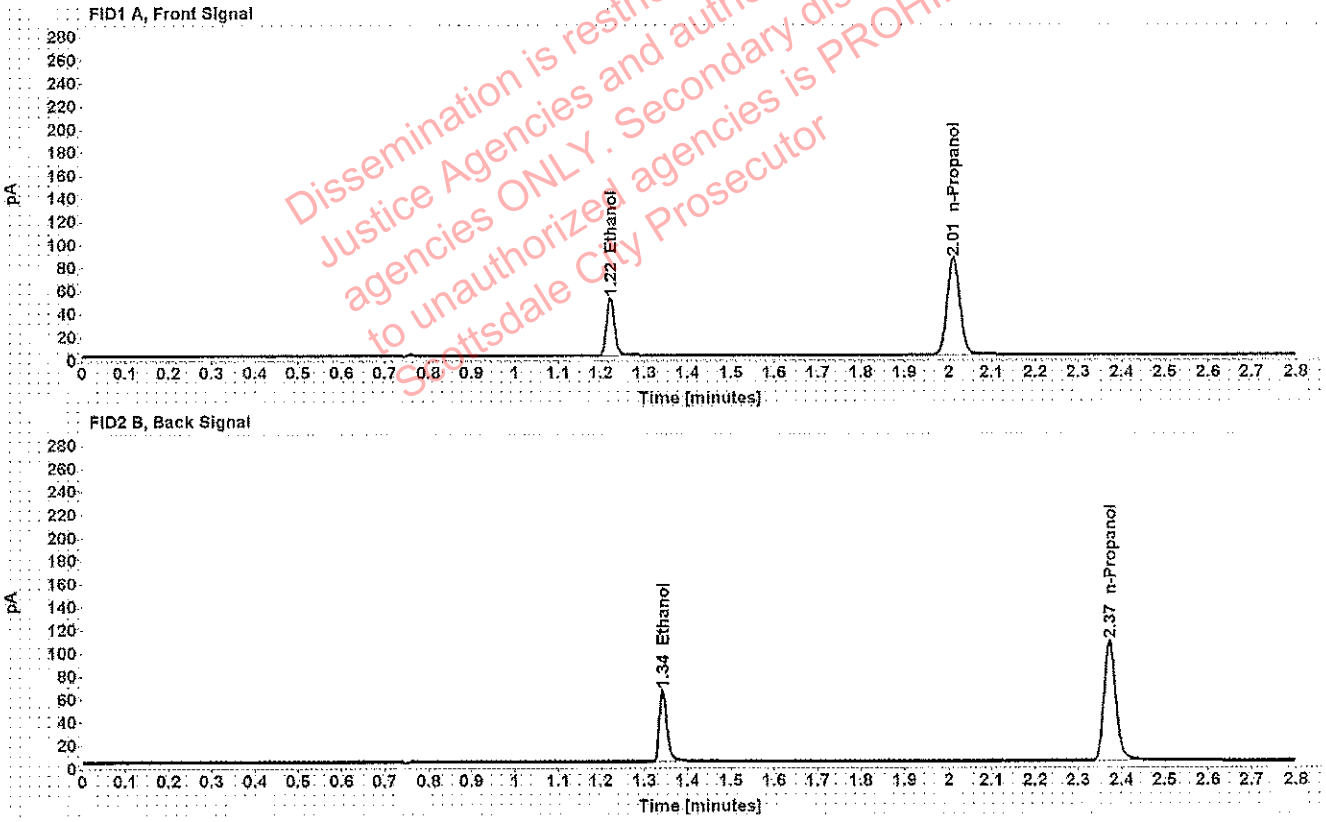


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	63.993
n-Propanol	2.011	171.023

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.342	75.694
n-Propanol	2.373	199.534

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.200 Cerilliant FN07201502	**Item number:**	
Injection date:	5/15/2018 3:30:09 PM	**Vial:**	3
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\3.D		

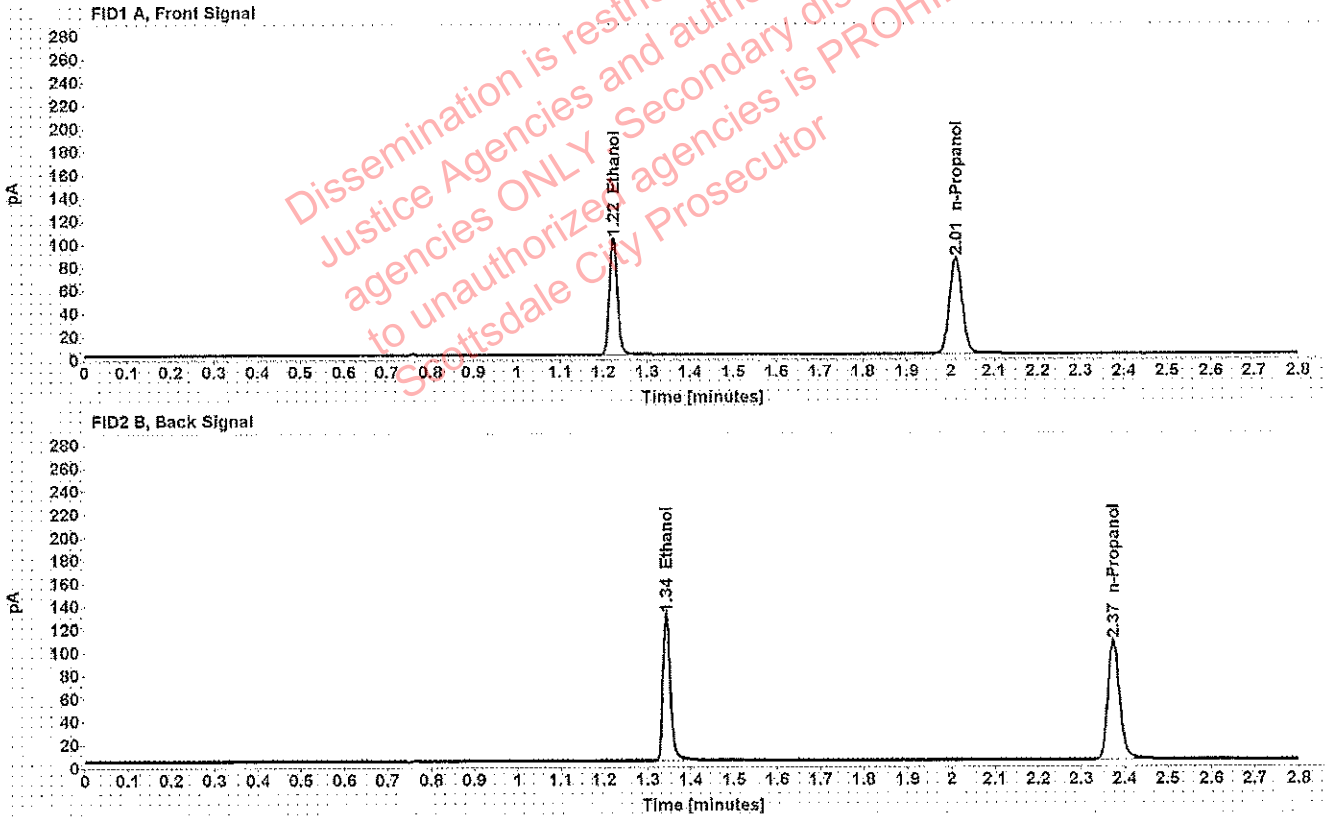


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.222	129.224
n-Propanol	2.012	170.028

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.343	153.860
n-Propanol	2.374	198.522

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.400 Cerilliant FN11191402	**Item number:**	
Injection date:	5/15/2018 3:34:11 PM	**Vial:**	4
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\4.D		

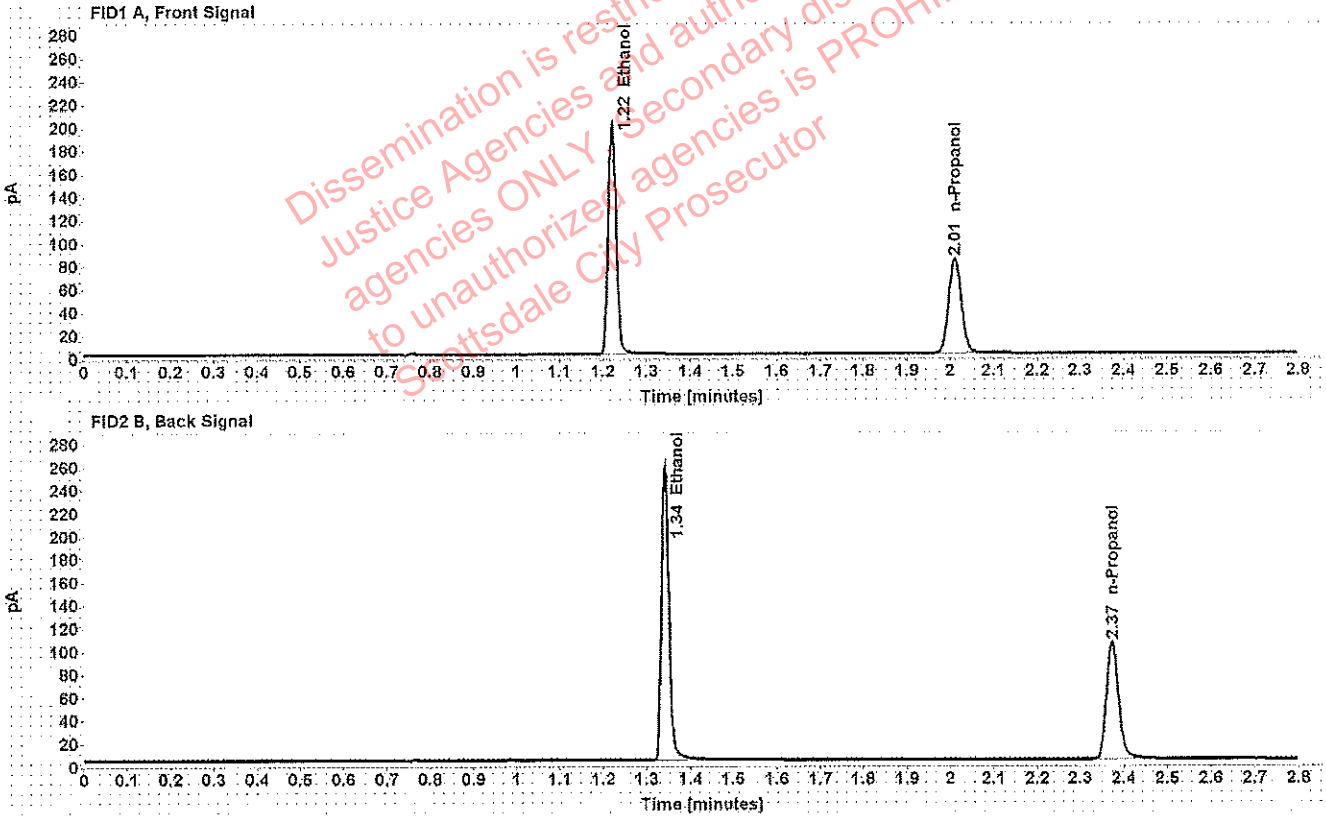


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.221	254.836
n-Propanol	2.011	167.846

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.341	305.670
n-Propanol	2.373	196.215

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	blank 042518	**Item number:**	
Injection date:	5/15/2018 3:38:11 PM	**Vial:**	5
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\5.D		

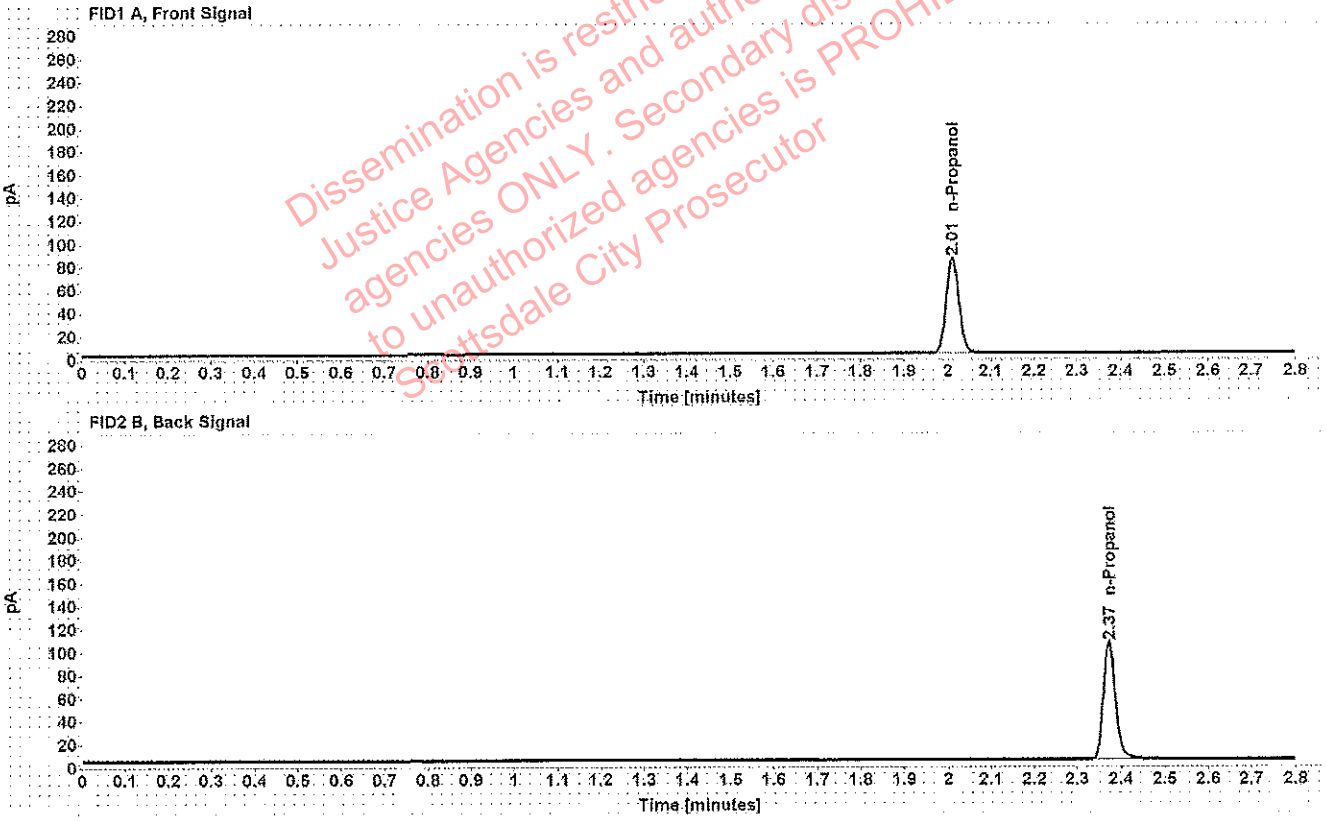


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.011	168.867

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.373	196.598

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	volatiles mix 020917 WLA	**Item number:**	
Injection date:	5/15/2018 3:42:09 PM	**Vial:**	6
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\6.D		

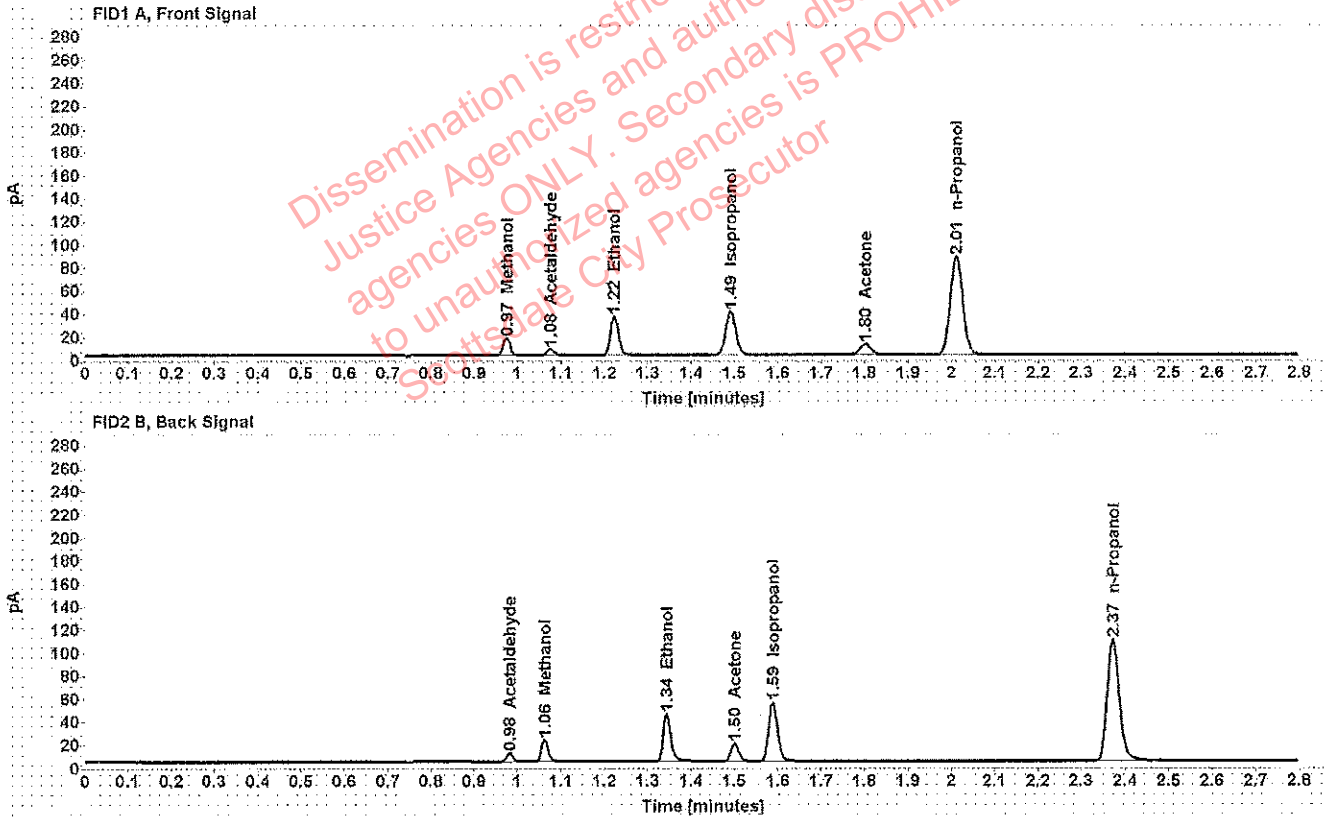


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	------	0.975	17.047
Acetaldehyde	------	1.076	5.844
>Ethanol	0.0667	1.222	43.578
Isopropanol	------	1.491	62.319
Acetone	------	1.802	17.117
n-Propanol	------	2.011	174.480

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.982	7.360
Methanol	1.062	20.493
Ethanol	1.343	51.209
Acetone	1.501	19.464
Isopropanol	1.588	74.426
n-Propanol	2.373	203.813

Scottsdale Police Department Crime Lab Volatiles Analysis

MA

Sample:	0.400 Lipomed 08012015-C	**Item number:**	
Injection date:	5/15/2018 3:46:25 PM	**Vial:**	7
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\7.D		

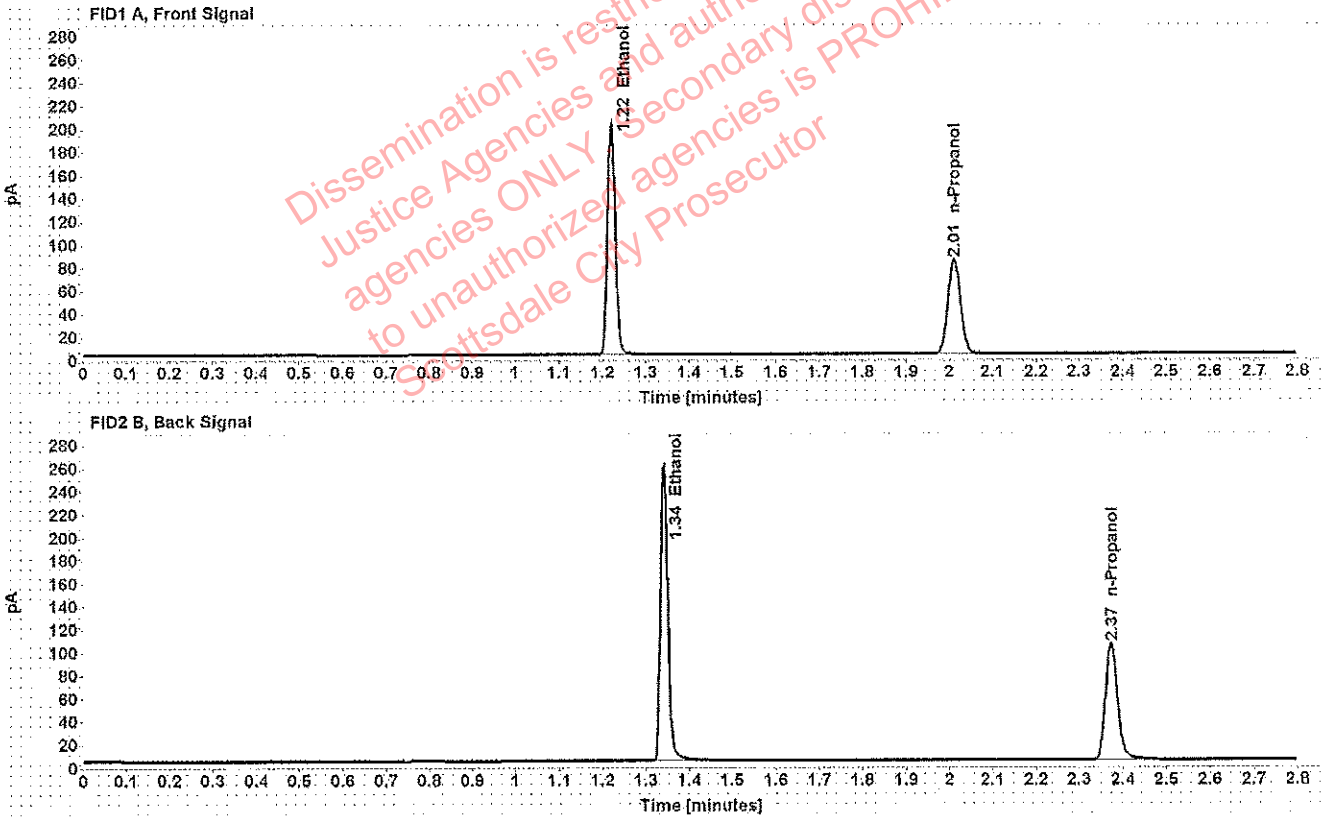


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4015	1.221	256.334
n-Propanol	------	2.011	168.106

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.341	306.530
n-Propanol	2.373	196.183

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.040 Lipomed 09022015-A	**Item number:**	
Injection date:	5/15/2018 3:50:25 PM	**Vial:**	8
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\8.D		

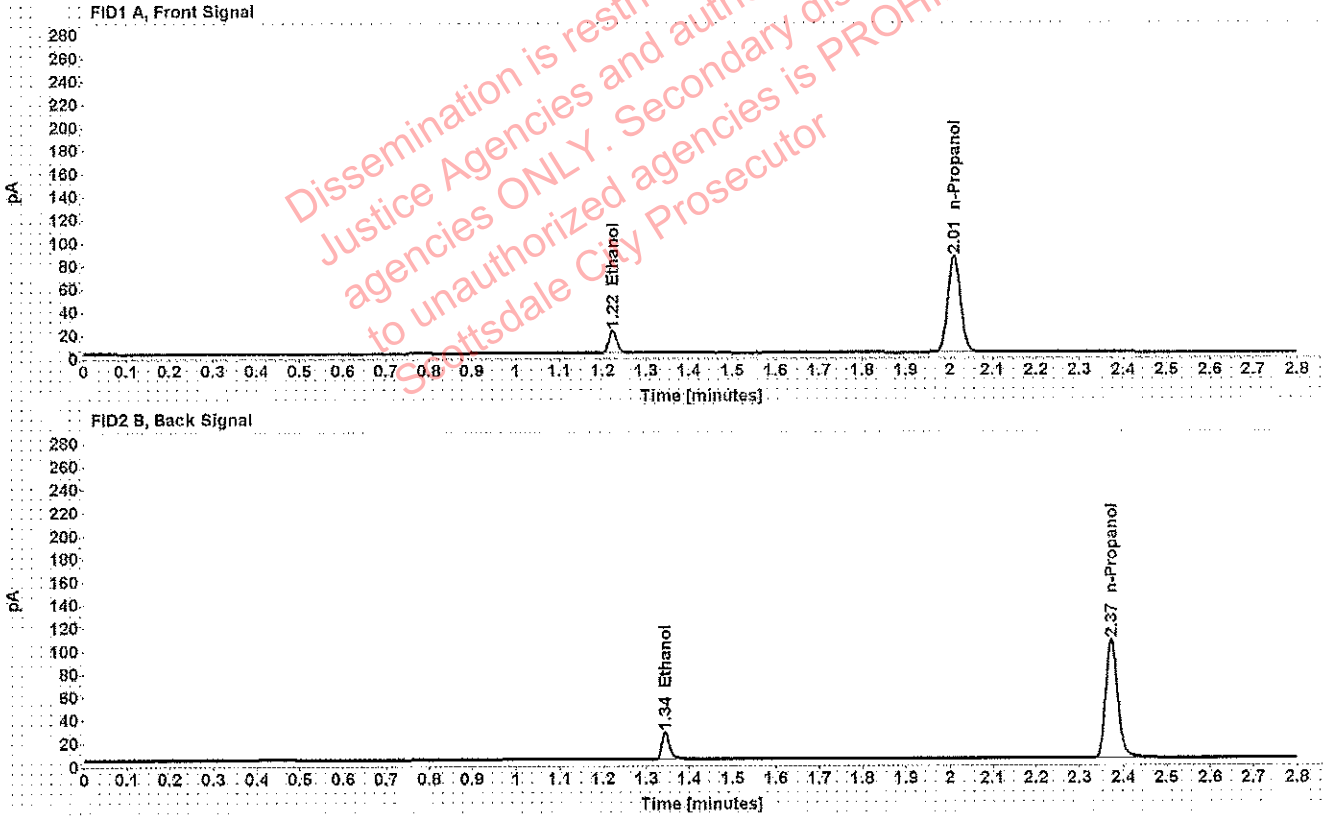


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0397	1.223	25.089
n-Propanol	------	2.011	170.661

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.343	29.116
n-Propanol	2.372	198.749

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.198 ACQ 407041529/3	**Item number:**	
Injection date:	5/15/2018 3:54:25 PM	**Vial:**	9
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\9.D		

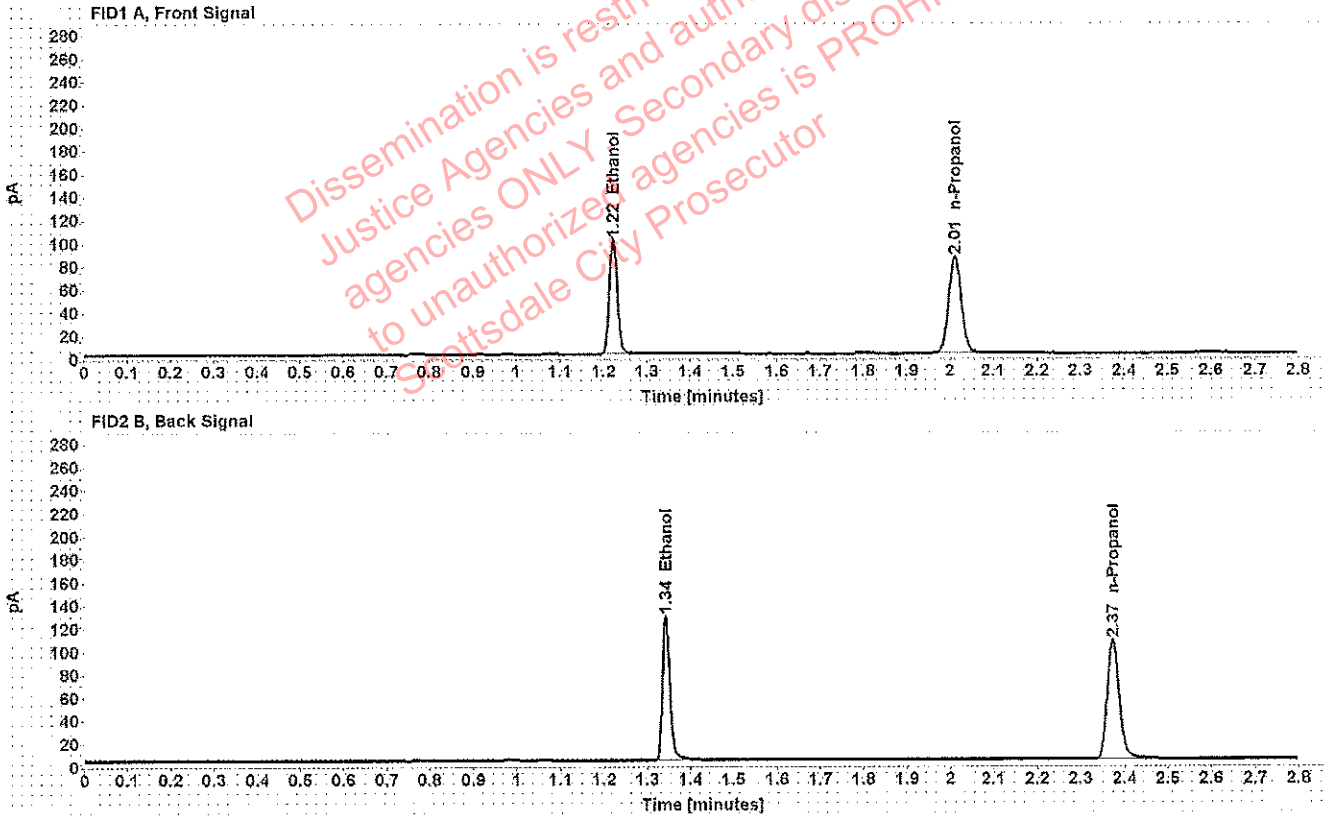


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1973	1.222	127.673
n-Propanol	------	2.011	170.846

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.342	151.528
n-Propanol	2.373	199.716

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.080 Lipomed 28082014-B	**Item number:**	
Injection date:	5/15/2018 4:38:55 PM	**Vial:**	20
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\20.D		

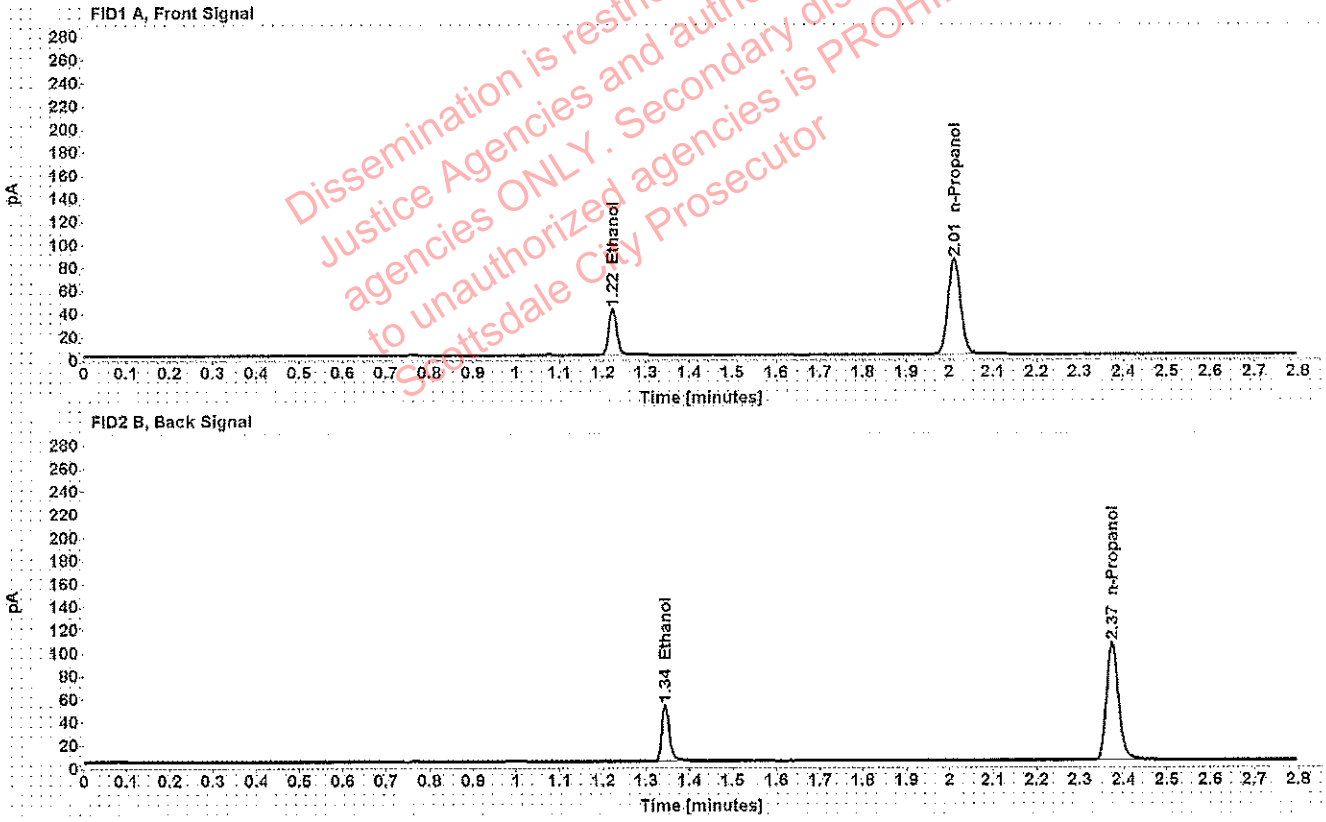


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0805	1.223	51.074
n-Propanol	------	2.012	168.941

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.344	60.064
n-Propanol	2.374	197.588

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.150 Lipomed 09022015-C	**Item number:**	
Injection date:	5/15/2018 5:23:26 PM	**Vial:**	31
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\31.D		

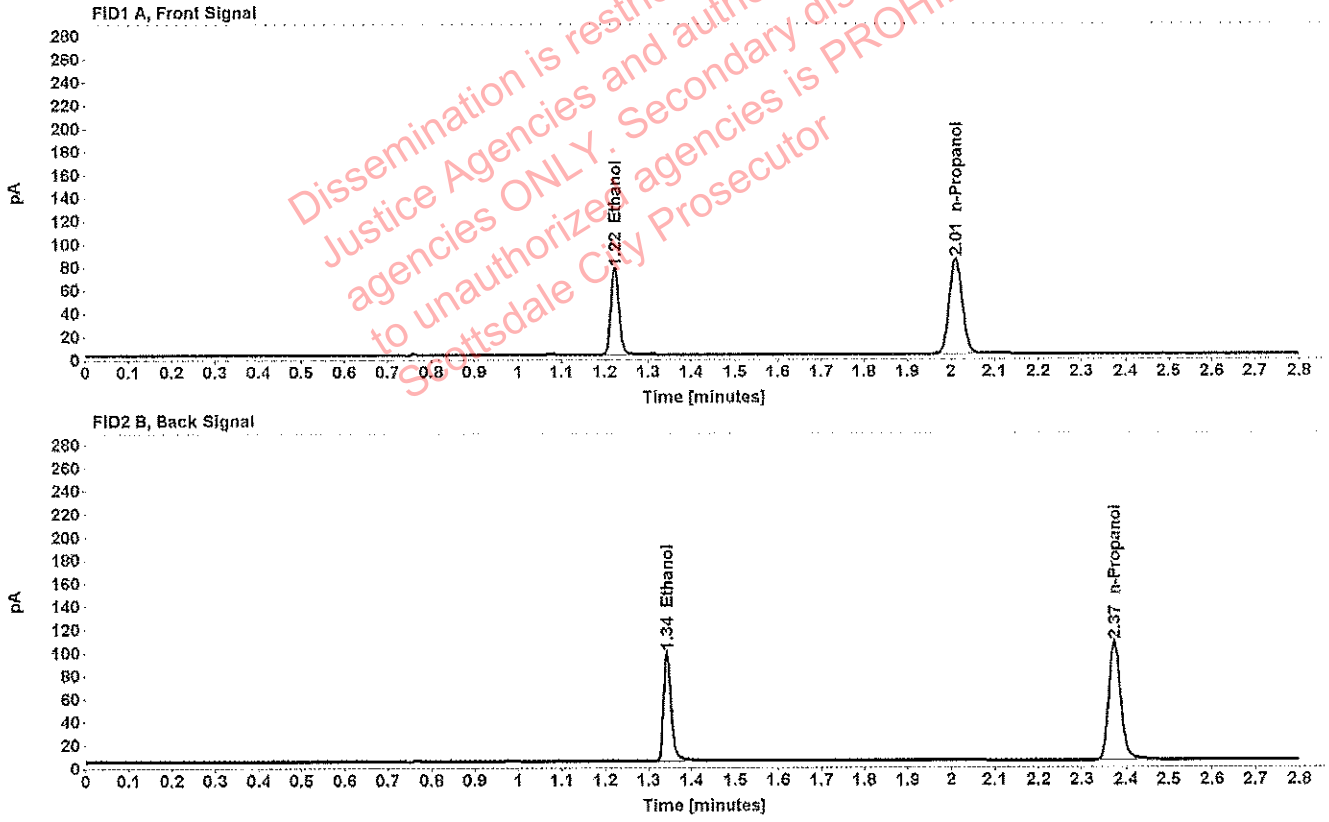


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1509	1.222	96.670
n-Propanol	------	2.012	169.437

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.343	115.065
n-Propanol	2.374	198.805

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.40 Lipomed 08012015-C	**Item number:**	
Injection date:	5/15/2018 5:43:25 PM	**Vial:**	36
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\36.D		

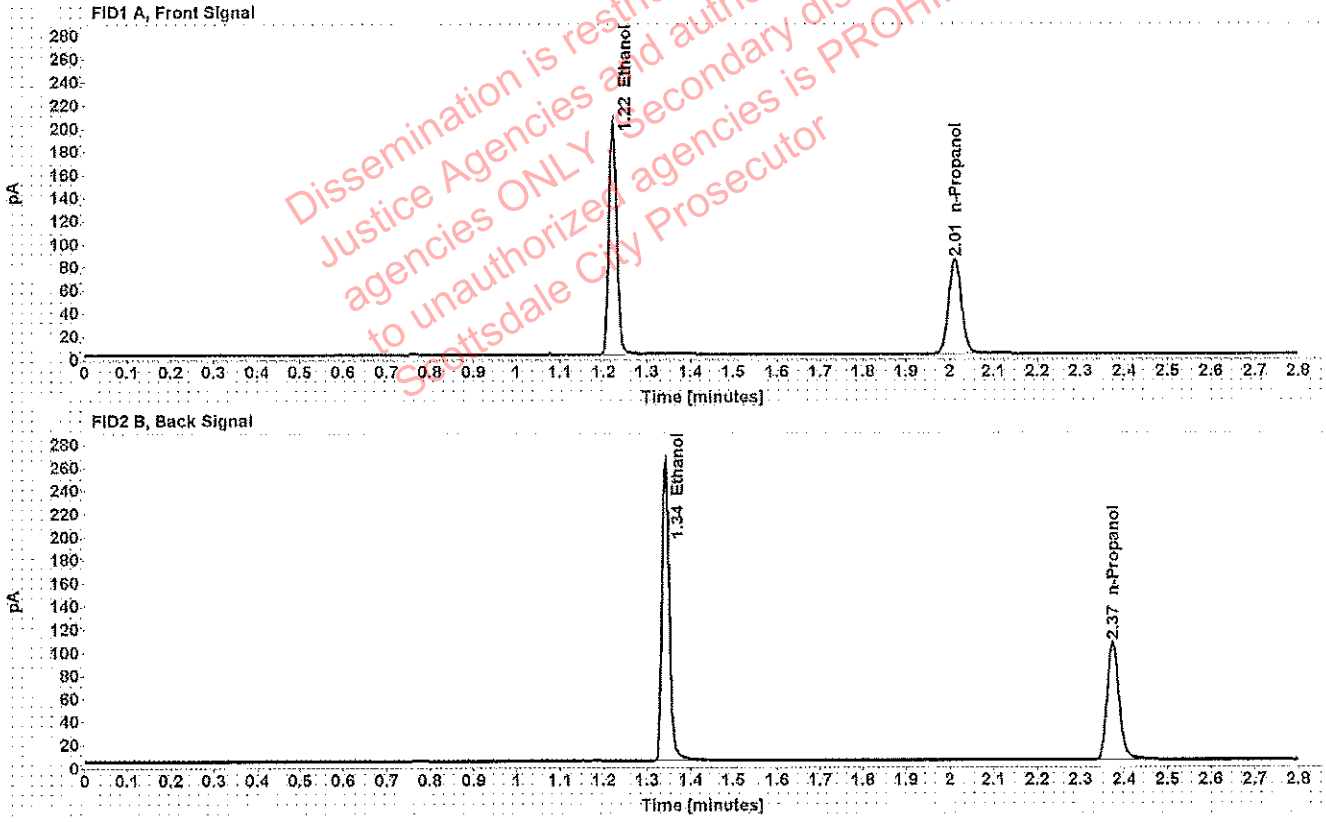


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4032	1.222	256.387
n-Propanol	------	2.012	167.435

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.342	308.293
n-Propanol	2.373	196.974

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.04 Lipomed 09022015-A	**Item number:**	
Injection date:	5/15/2018 5:47:41 PM	**Vial:**	37
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\37.D		

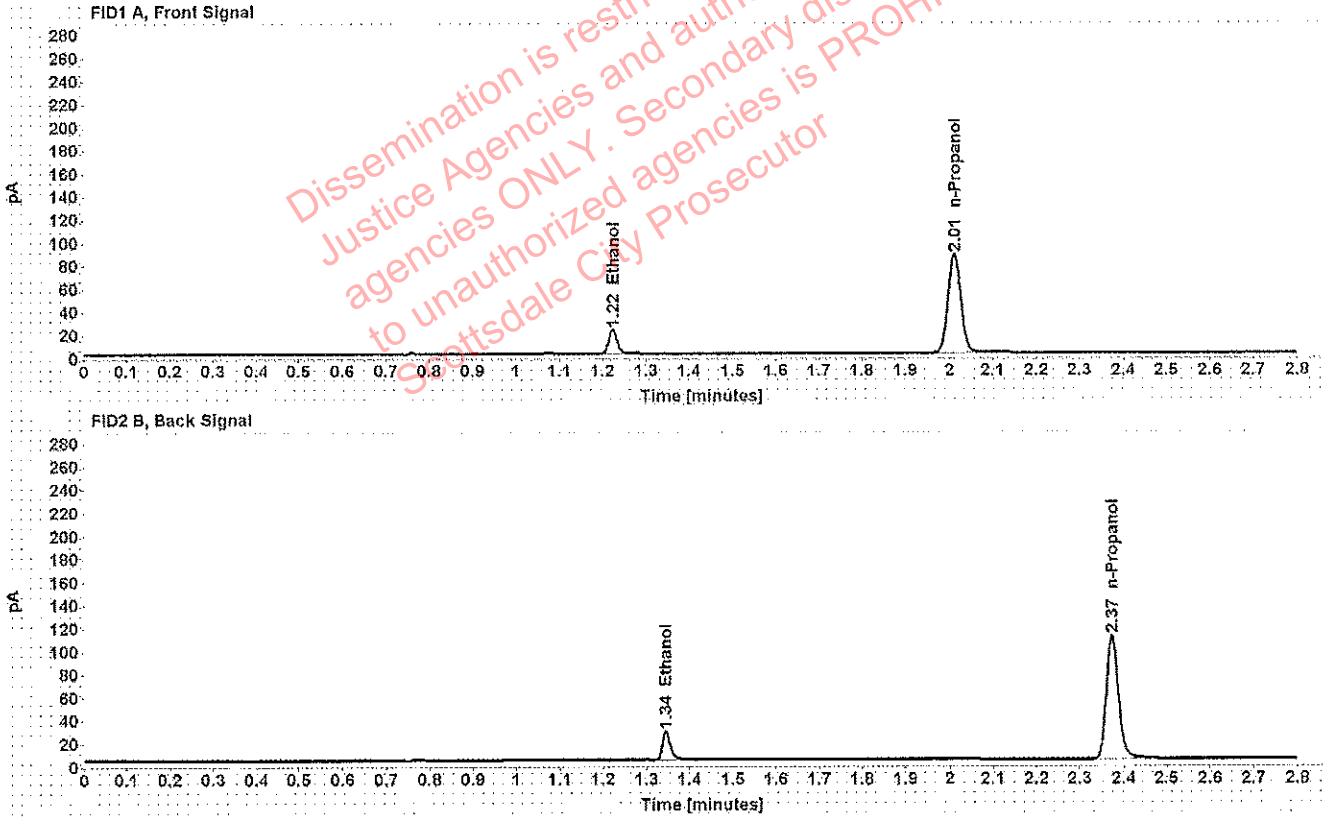


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0407	1.224	26.413
n-Propanol	------	2.012	174.988

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.345	30.892
n-Propanol	2.374	205.730

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	0.198 ACQ 407041529/3	**Item number:**	
Injection date:	5/15/2018 5:51:41 PM	**Vial:**	38
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\38.D		

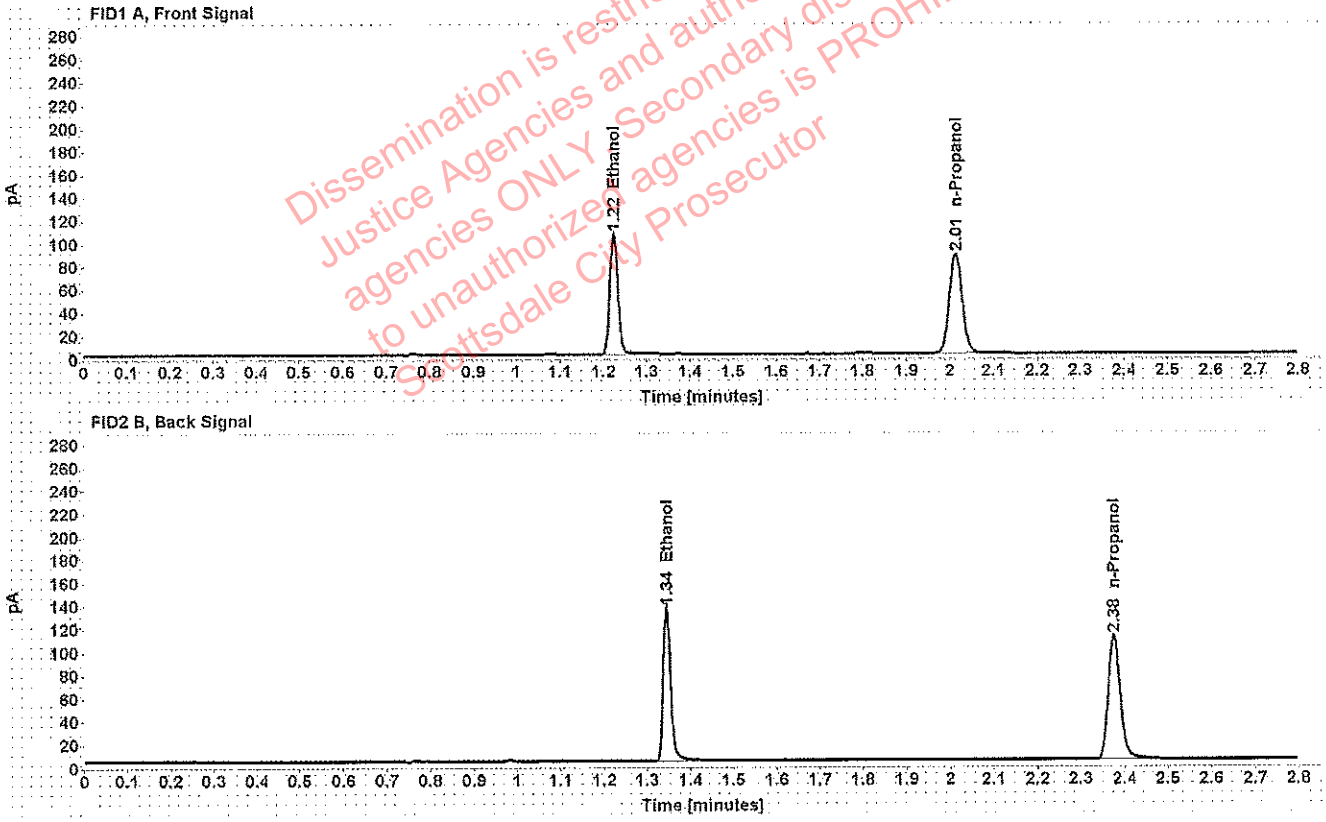


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2016	1.224	134.757
n-Propanol	------	2.013	176.540

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.345	161.326
n-Propanol	2.376	208.075

Scottsdale Police Department Crime Lab Volatiles Analysis

WA

Sample:	blank 042518	**Item number:**	
Injection date:	5/15/2018 5:55:40 PM	**Vial:**	39
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\39.D		

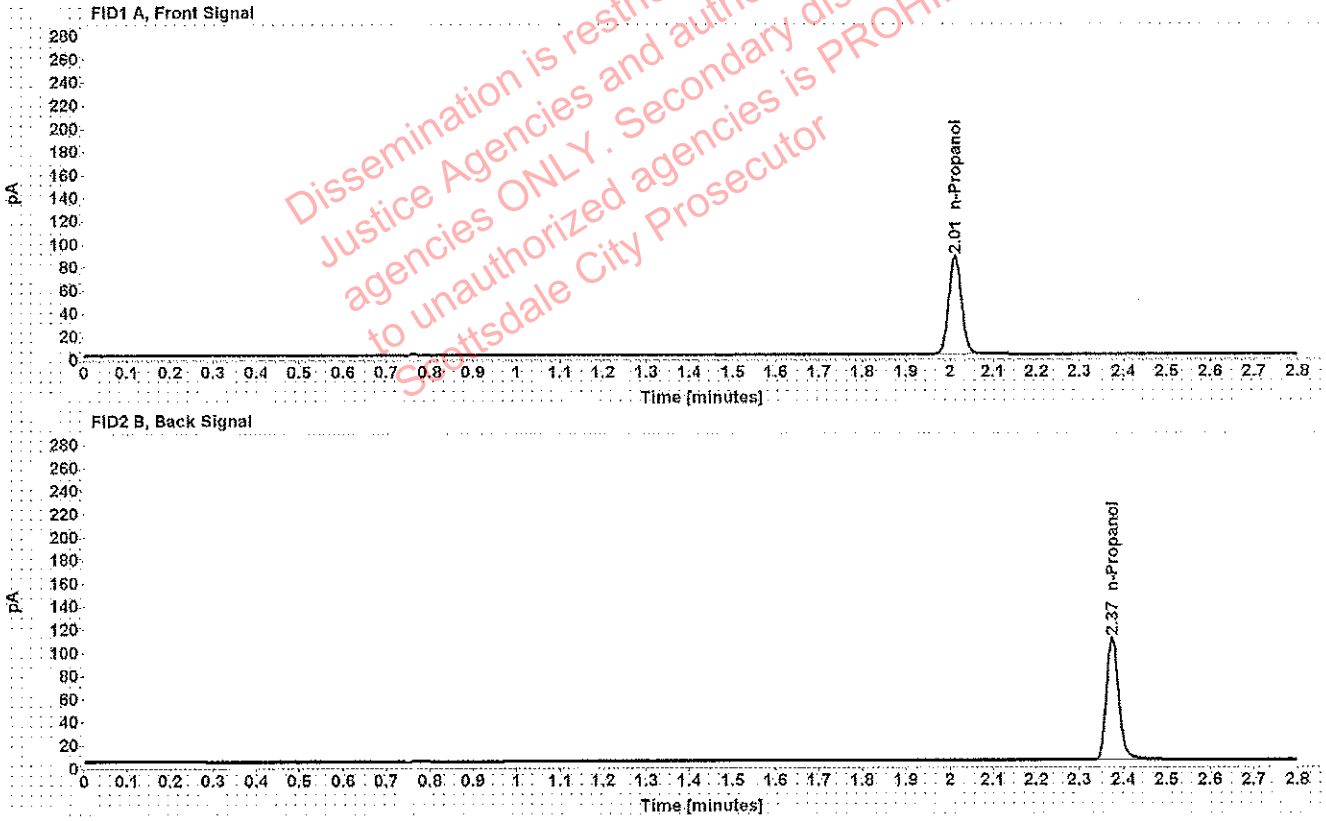


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.013	173,670

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
n-Propanol	2.375	204,370

Sequence Summary

WA

Sequence name: 15May18 **Instrument:** US14173023 CN14160045 **Analyst:** Adrian

Vial	Sample	Type	Item Number	Method
1	0.020 Cerilliant FN03241604	Calibration		ethanol quant.M
2	0.100 Cerilliant FN06181501	Calibration		ethanol quant.M
3	0.200 Cerilliant FN07201502	Calibration		ethanol quant.M
4	0.400 Cerilliant FN11191402	Calibration		ethanol quant.M
5	blank 042518	Control		ethanol quant.M
6	volatiles mix 020917 WLA	Control		ethanol quant.M
7	0.400 Lipomed 08012015-C	Control		ethanol quant.M
8	0.040 Lipomed 09022015-A	Control		ethanol quant.M
9	0.198 ACQ 407041529/3	Control		ethanol quant.M
10	[redacted]	Sample	1188300	ethanol quant.M
11		Sample	1188300	ethanol quant.M
12		Sample	1113945	ethanol quant.M
13		Sample	1113945	ethanol quant.M
14		Sample	340-01A	ethanol quant.M
15		Sample	340-01A	ethanol quant.M
16		Sample	1211172	ethanol quant.M
17		Sample	1211172	ethanol quant.M
18		Sample	1211822	ethanol quant.M
19		Sample	1211822	ethanol quant.M
20	0.080 Lipomed 28082014-B	Control		ethanol quant.M
21	[redacted]	Sample	1210555	ethanol quant.M
22		Sample	1210555	ethanol quant.M
23		Sample	1211886	ethanol quant.M
24		Sample	1211886	ethanol quant.M
25		Sample	1213394	ethanol quant.M
26		Sample	1213394	ethanol quant.M
27		Sample	1213982	ethanol quant.M
28		Sample	1213982	ethanol quant.M
29		Sample	1214001	ethanol quant.M
30		Sample	1214001	ethanol quant.M
31	0.150 Lipomed 09022015-C	Control		ethanol quant.M
32	[redacted]	Sample	1213009	ethanol quant.M
33		Sample	1213009	ethanol quant.M
34		Sample	1187091	ethanol quant.M
35		Sample	1187091	ethanol quant.M
36	0.40 Lipomed 08012015-C	Control		ethanol quant.M
37	0.04 Lipomed 09022015-A	Control		ethanol quant.M
38	0.198 ACQ 407041529/3	Control		ethanol quant.M
39	blank 042518	Control		ethanol quant.M

Scottsdale Police Department Crime Laboratory
Summary of Cases

SEQUENCE NAME: 15May18

ANALYST: Adrian WA

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1141	0.1136	0.11385	0.22	0.00025
12 13	0.1799	0.1785	0.17920	0.39	0.00070
14 15	0.0282	0.0275	0.02785	1.26	0.00035
16 17	0.1238	0.1228	0.12330	0.41	0.00050
18 19	0.1972	0.1995	0.19835	0.58	0.00115
21 22	0.2191	0.2176	0.21835	0.34	0.00075
23 24	0.1108	0.1092	0.11000	0.73	0.00080
25 26	0.2192	0.2208	0.22000	0.36	0.00080
27 28	0.1065	0.1070	0.10675	0.23	0.00025
29 30	0.2071	0.2060	0.20655	0.27	0.00055
32 33	0.0813	0.0825	0.08190	0.73	0.00060
34 35	0.0849	0.0848	0.08485	0.06	0.00005

*Calculated differences are differences from the mean of the two results.

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1188300
Injection date:	5/15/2018 3:58:26 PM	**Vial:**	10
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\10.D		

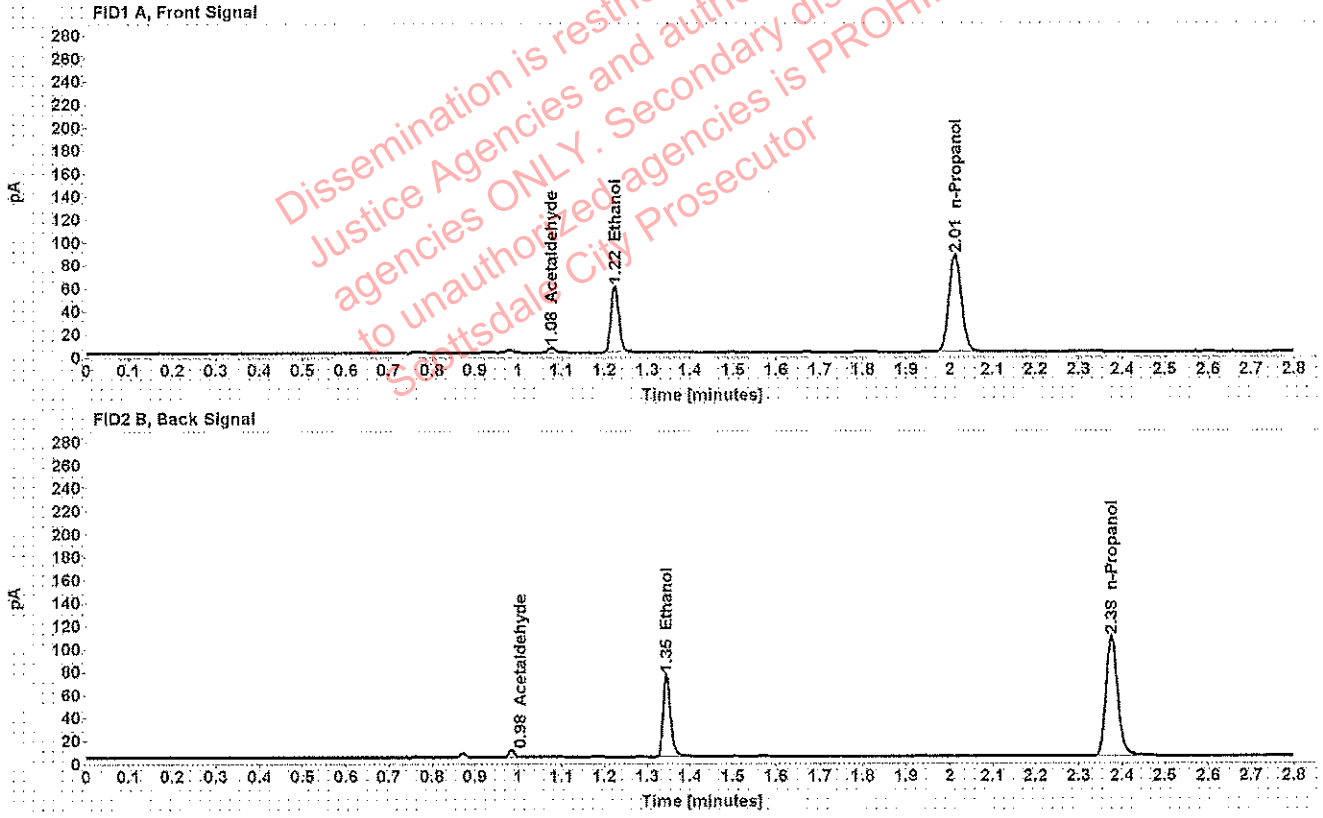


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.486
>Ethanol	0.1141	1.224	74.017
n-Propanol	------	2.013	172.030

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.622
Ethanol	1.345	86.937
n-Propanol	2.375	201.880

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1188300
Injection date:	5/15/2018 4:02:25 PM	**Vial:**	11
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\11.D		

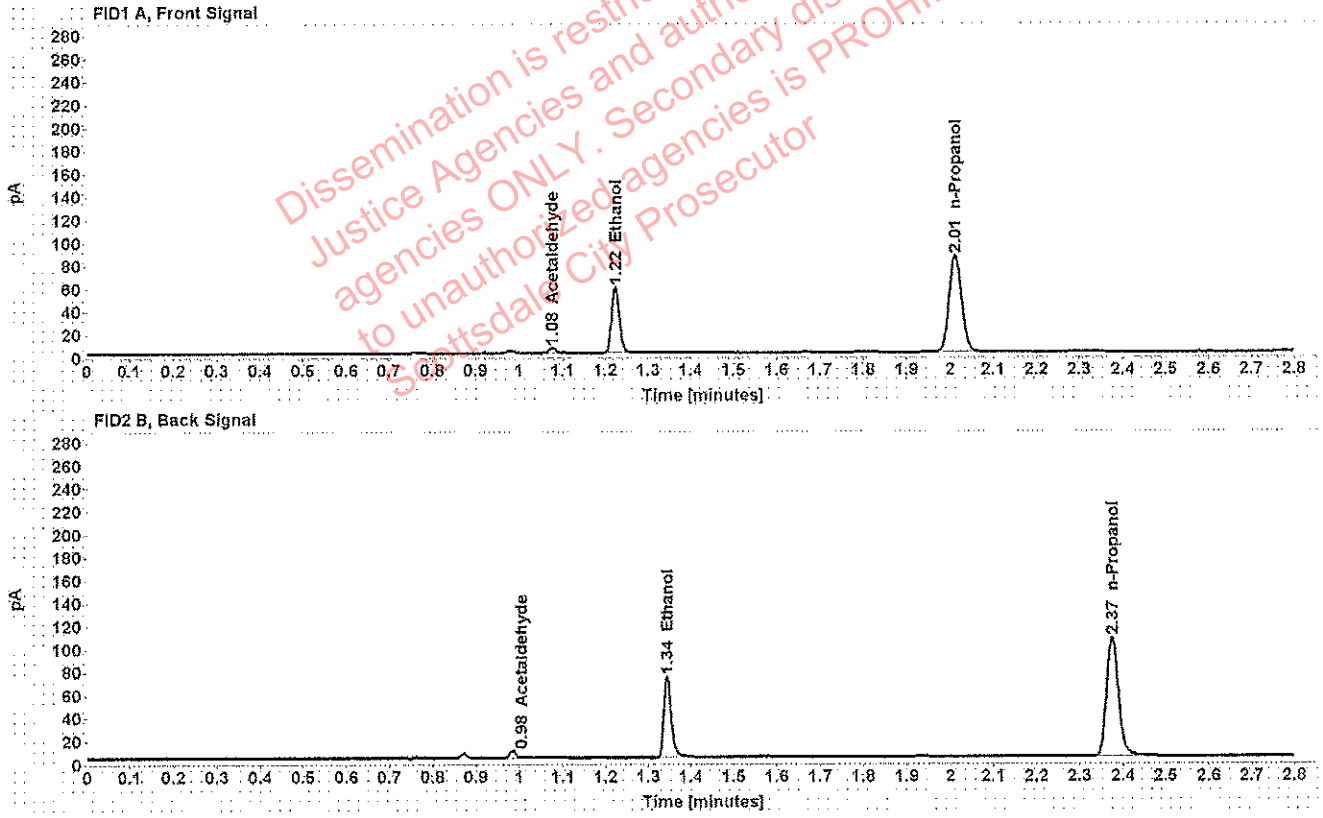


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.499
>Ethanol	0.1136	1.223	73.248
n-Propanol	------	2.012	171.042

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.683
Ethanol	1.344	86.291
n-Propanol	2.375	200.912

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1113945
Injection date:	5/15/2018 4:06:25 PM	**Vial:**	12
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\12.D		

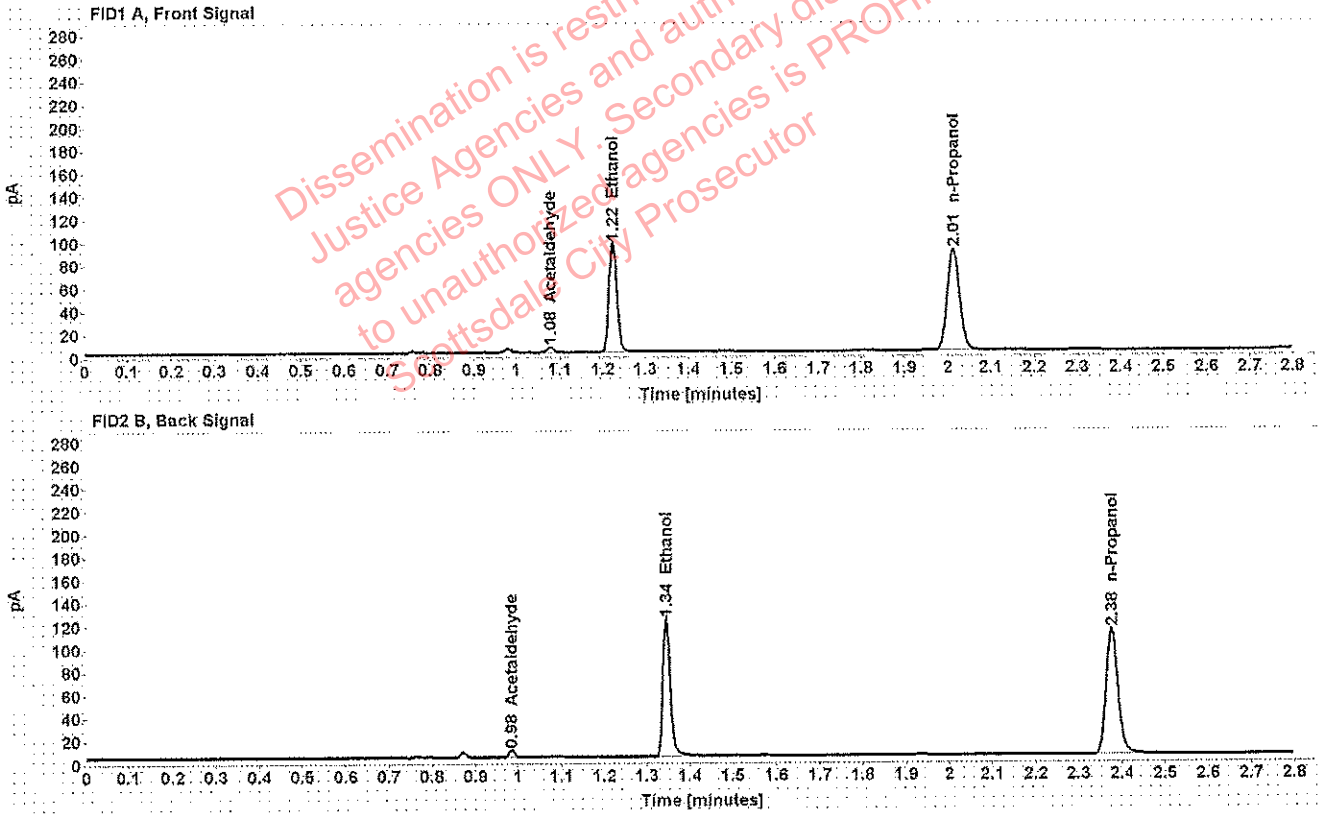


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.416
>Ethanol	0.1799	1.224	122.026
n-Propanol	------	2.013	179.258

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.504
Ethanol	1.345	145.932
n-Propanol	2.376	210.712

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1113945
Injection date:	5/15/2018 4:10:41 PM	**Vial:**	13
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\13.D		

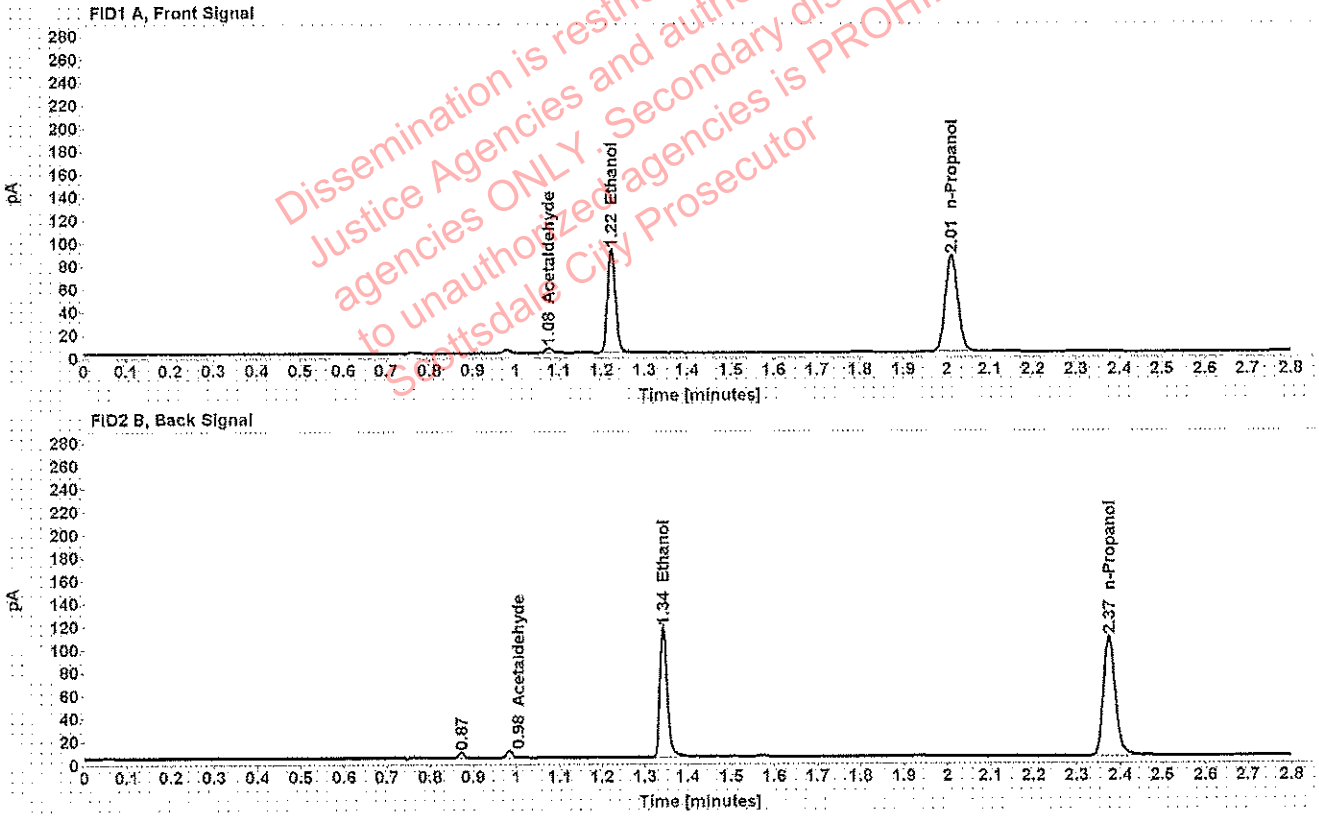


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.397
>Ethanol	0.1785	1.223	115.383
n-Propanol	------	2.012	170.780

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.599
Ethanol	1.343	137.856
n-Propanol	2.374	200.777

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	340-01A
Injection date:	5/15/2018 4:14:40 PM	**Vial:**	14
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\14.D		

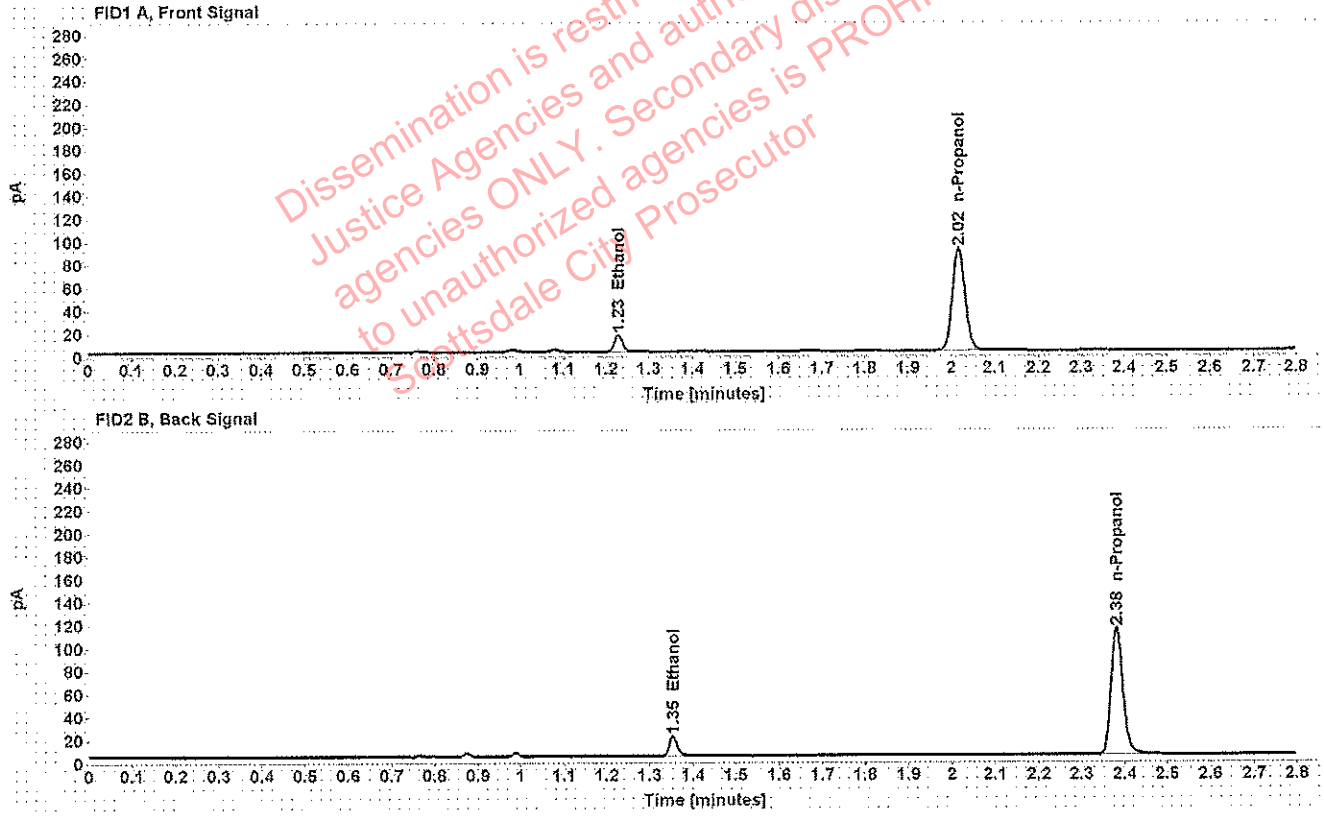


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0282	1.229	18,806
n-Propanol	------	2.017	181,881

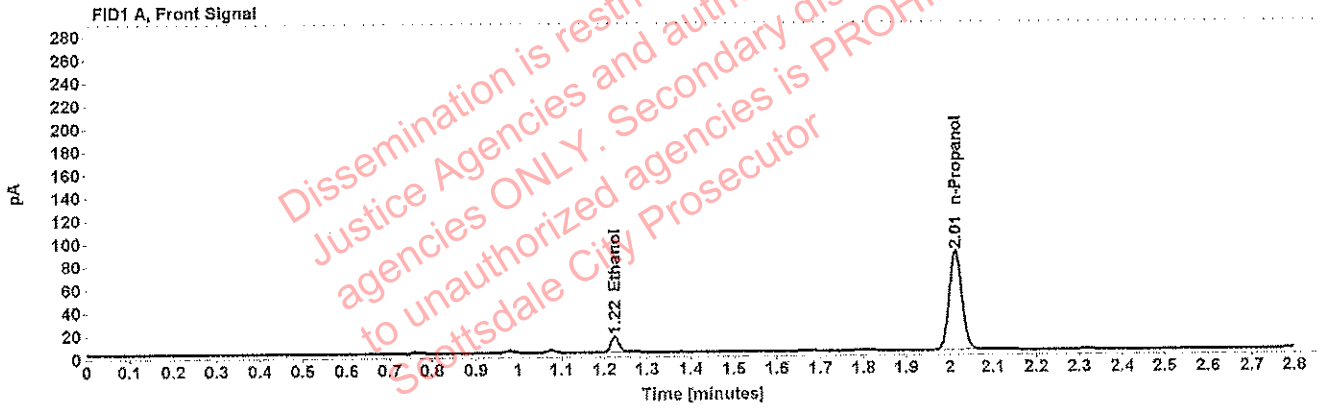
Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.353	22,236
n-Propanol	2.381	213,017

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	340-01A
Injection date:	5/15/2018 4:18:39 PM	**Vial:**	15
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\15.D		



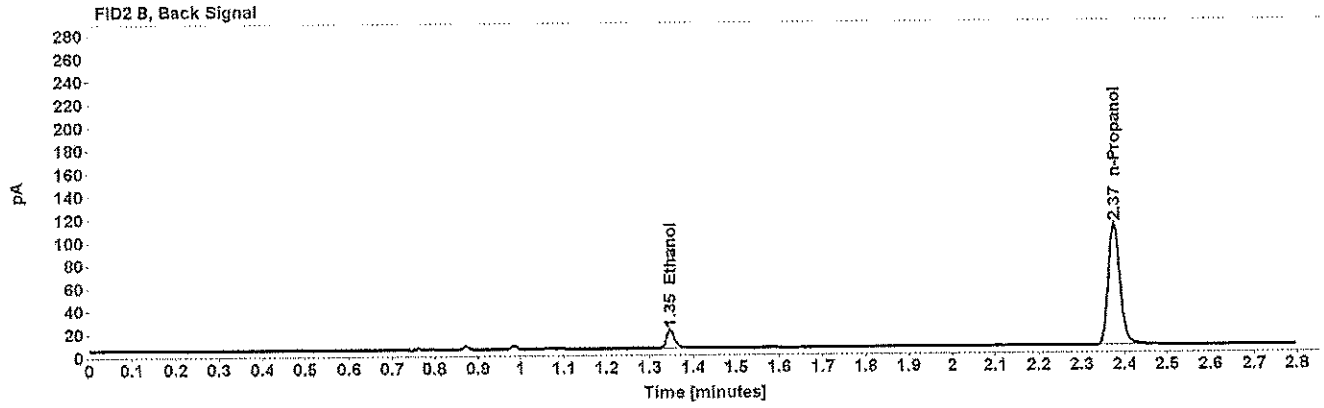


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0275	1.225	17.607
n-Propanol	------	2.012	175.158

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.347	20.800
n-Propanol	2.375	205.119

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211172
Injection date:	5/15/2018 4:22:40 PM	**Vial:**	16
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\16.D		

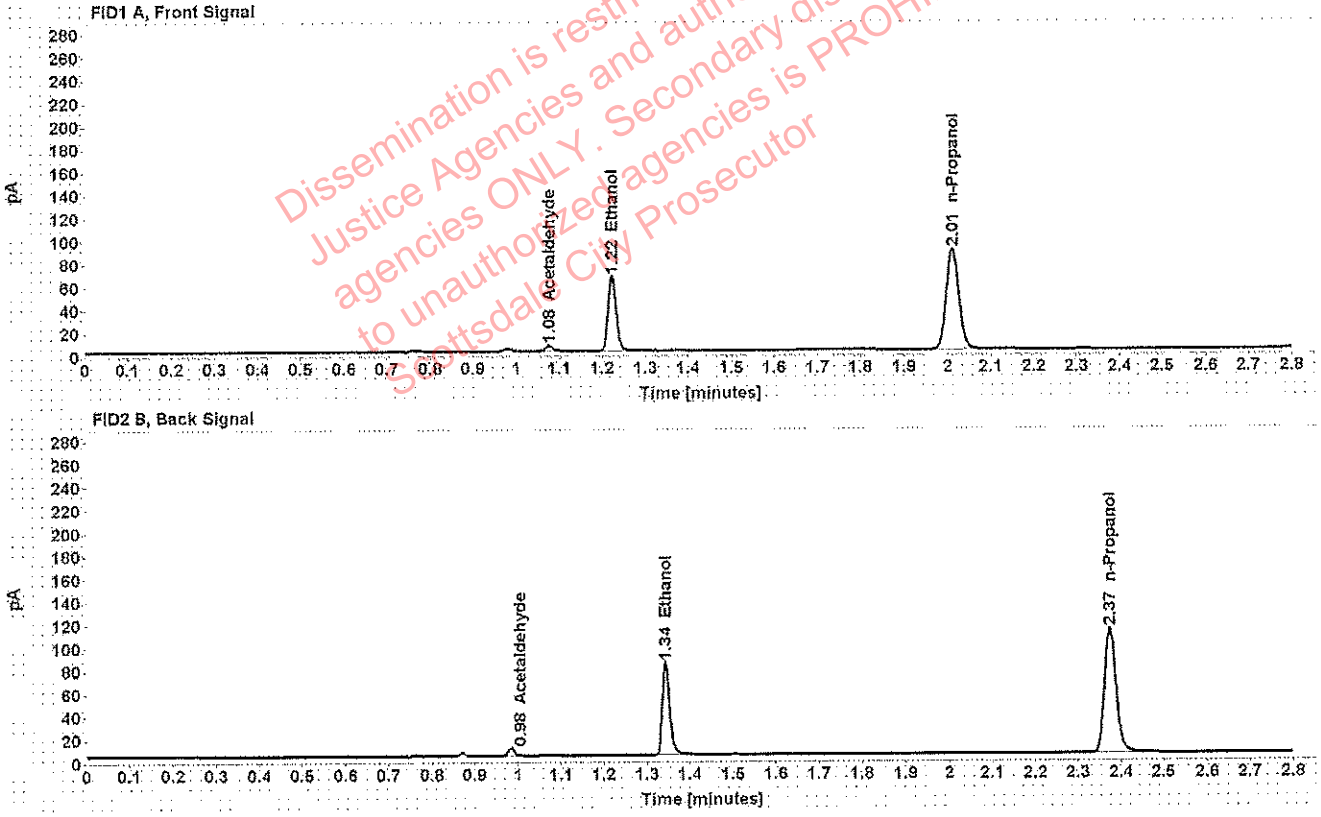


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	5.019
>Ethanol	0.1238	1.223	83.551
n-Propanol	------	2.012	178.766

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	6.292
Ethanol	1.343	98.114
n-Propanol	2.374	210.067

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211172
Injection date:	5/15/2018 4:26:40 PM	**Vial:**	17
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\17.D		

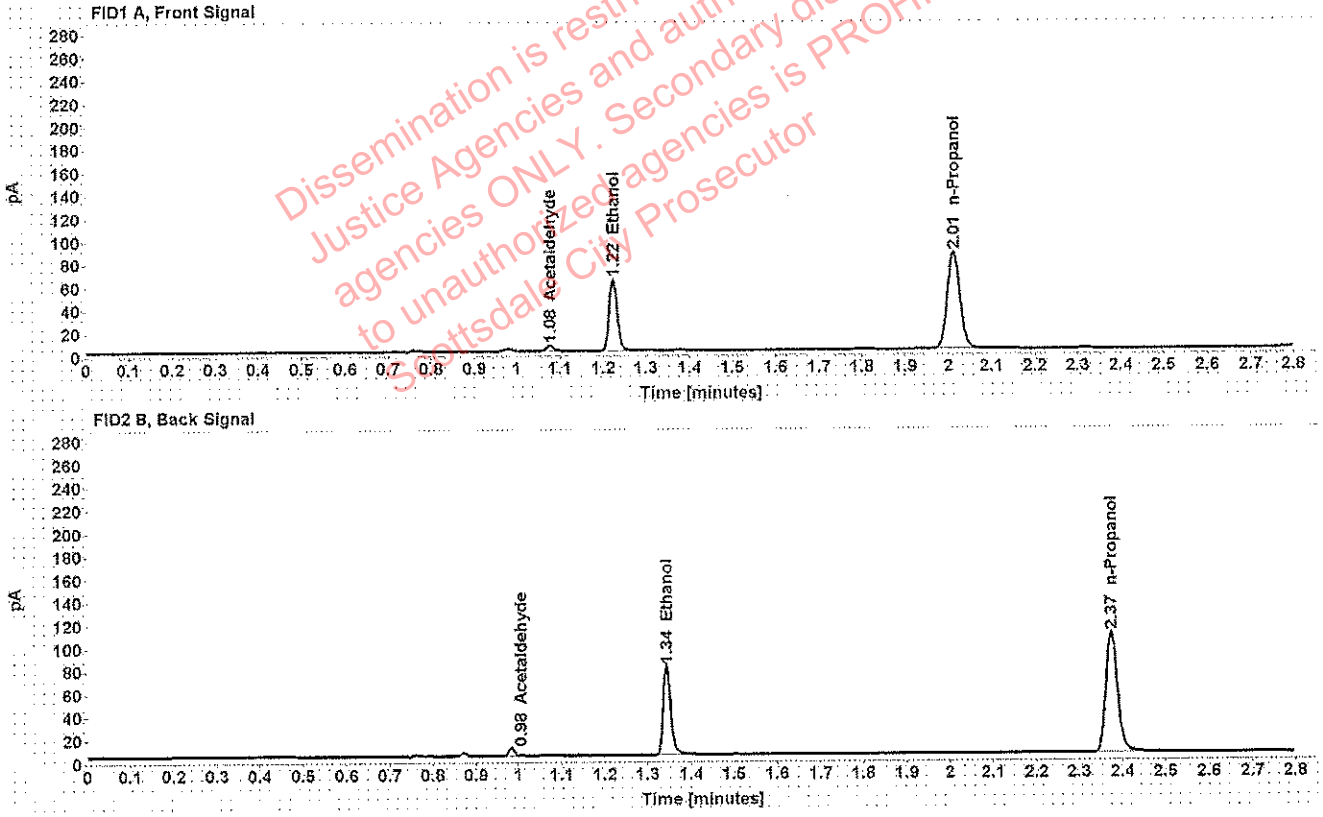


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.981
>Ethanol	0.1228	1.223	80.361
n-Propanol	------	2.012	173.332

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	6.254
Ethanol	1.344	94.470
n-Propanol	2.374	203.324

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211822
Injection date:	5/15/2018 4:30:41 PM	**Vial:**	18
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\18.D		

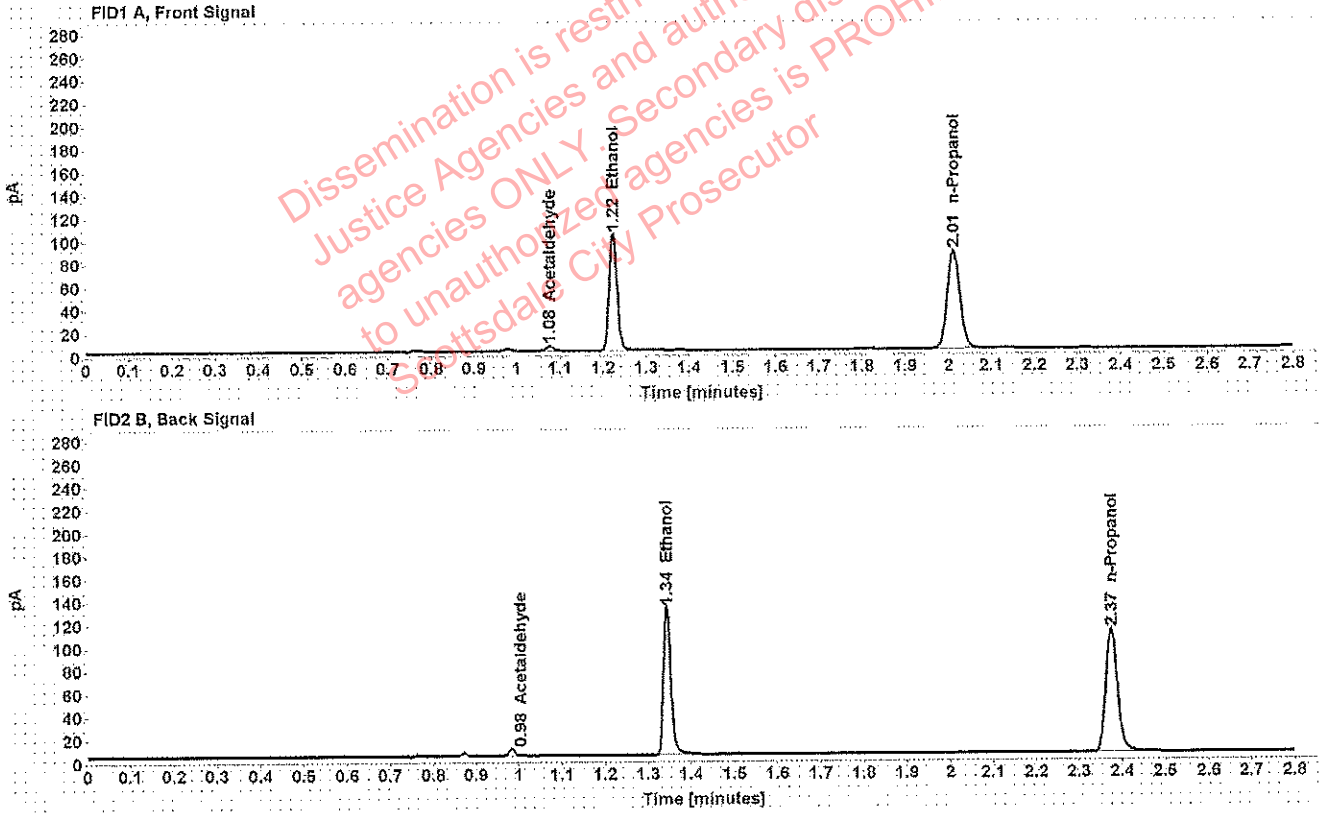


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.337
>Ethanol	0.1972	1.223	130.748
n-Propanol	------	2.012	175.052

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.436
Ethanol	1.344	154.829
n-Propanol	2.375	205.853

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211822
Injection date:	5/15/2018 4:34:54 PM	**Vial:**	19
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\19.D		

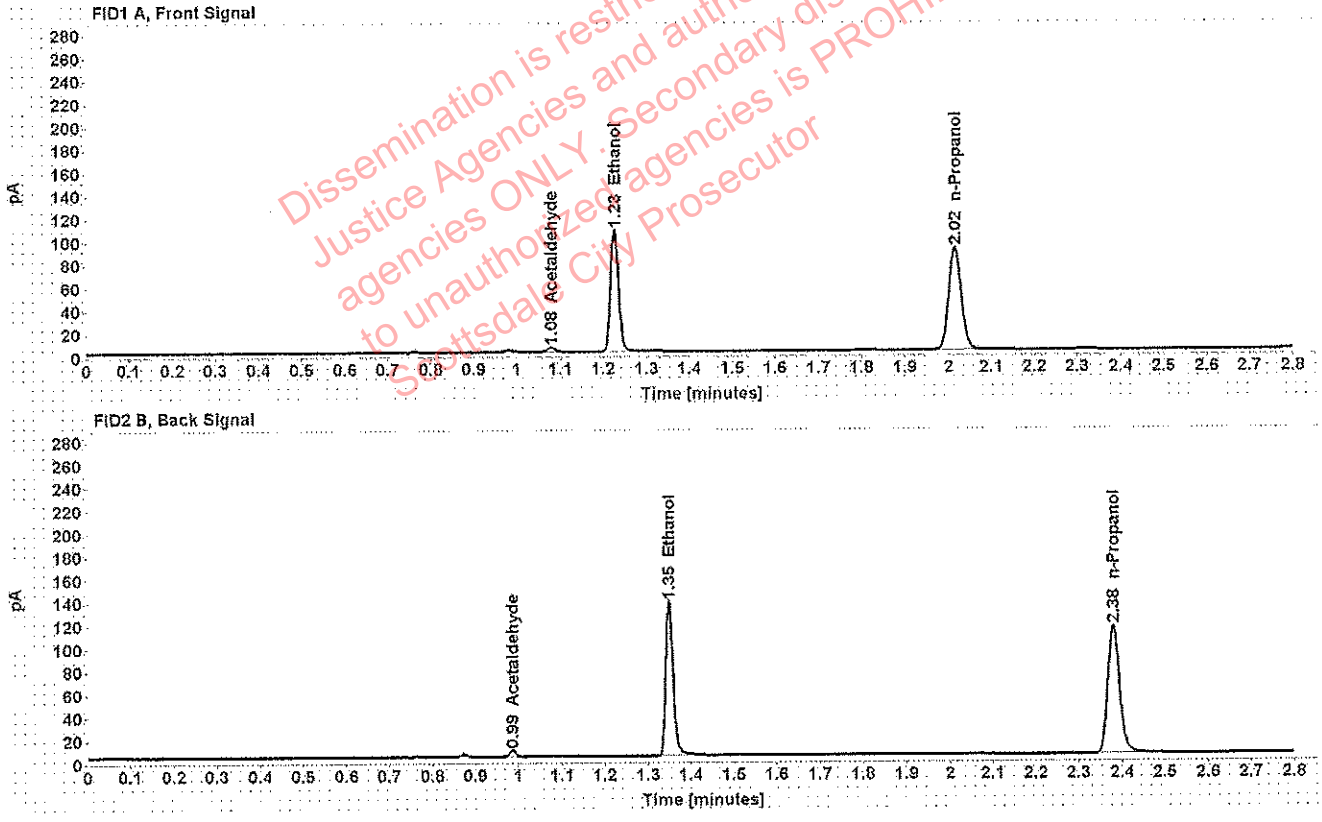


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.079	3.924
>Ethanol	0.1995	1.226	137.515
n-Propanol	------	2.016	182.025

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	4.950
Ethanol	1.349	163.195
n-Propanol	2.379	214.317

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1210555
Injection date:	5/15/2018 4:42:56 PM	**Vial:**	21
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\21.D		

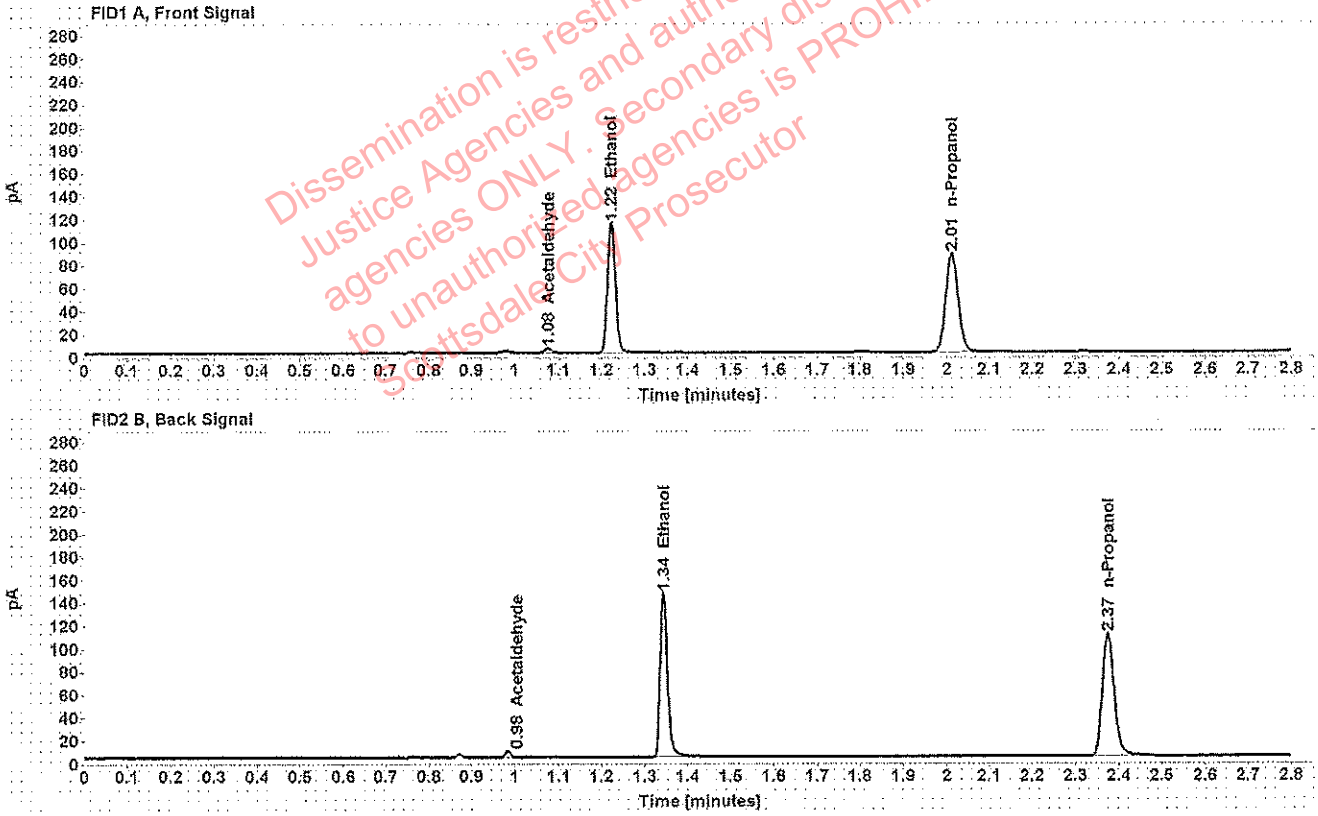


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	3.941
>Ethanol	0.2191	1.223	145.256
n-Propanol	------	2.012	174.980

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	4.969
Ethanol	1.344	172.610
n-Propanol	2.375	205.728

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1210555
Injection date:	5/15/2018 4:46:54 PM	**Vial:**	22
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\22.D		

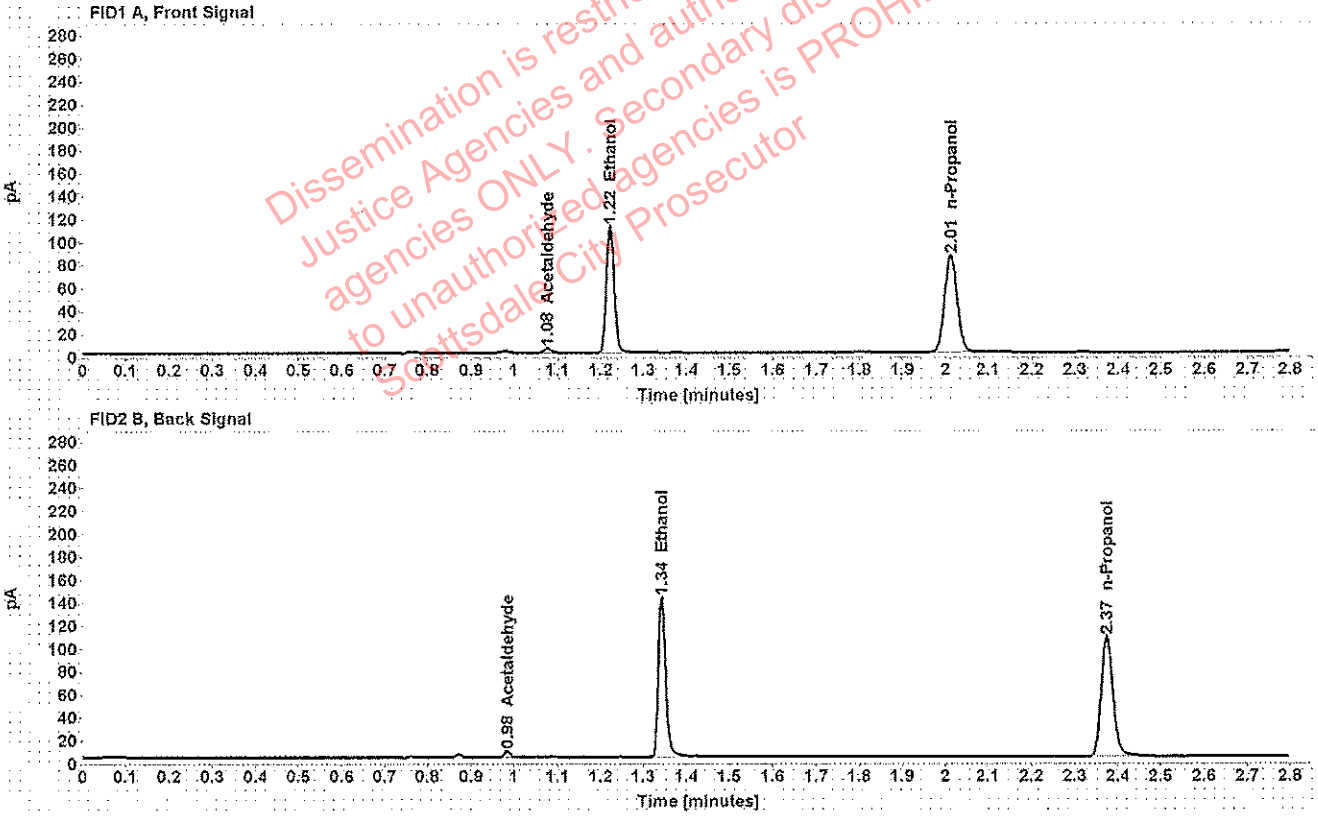


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.076	3.835
>Ethanol	0.2176	1.222	141.724
n-Propanol	------	2.012	171.870

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.856
Ethanol	1.343	168.596
n-Propanol	2.374	201.995

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211886
Injection date:	5/15/2018 4:50:55 PM	**Vial:**	23
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\23.D		

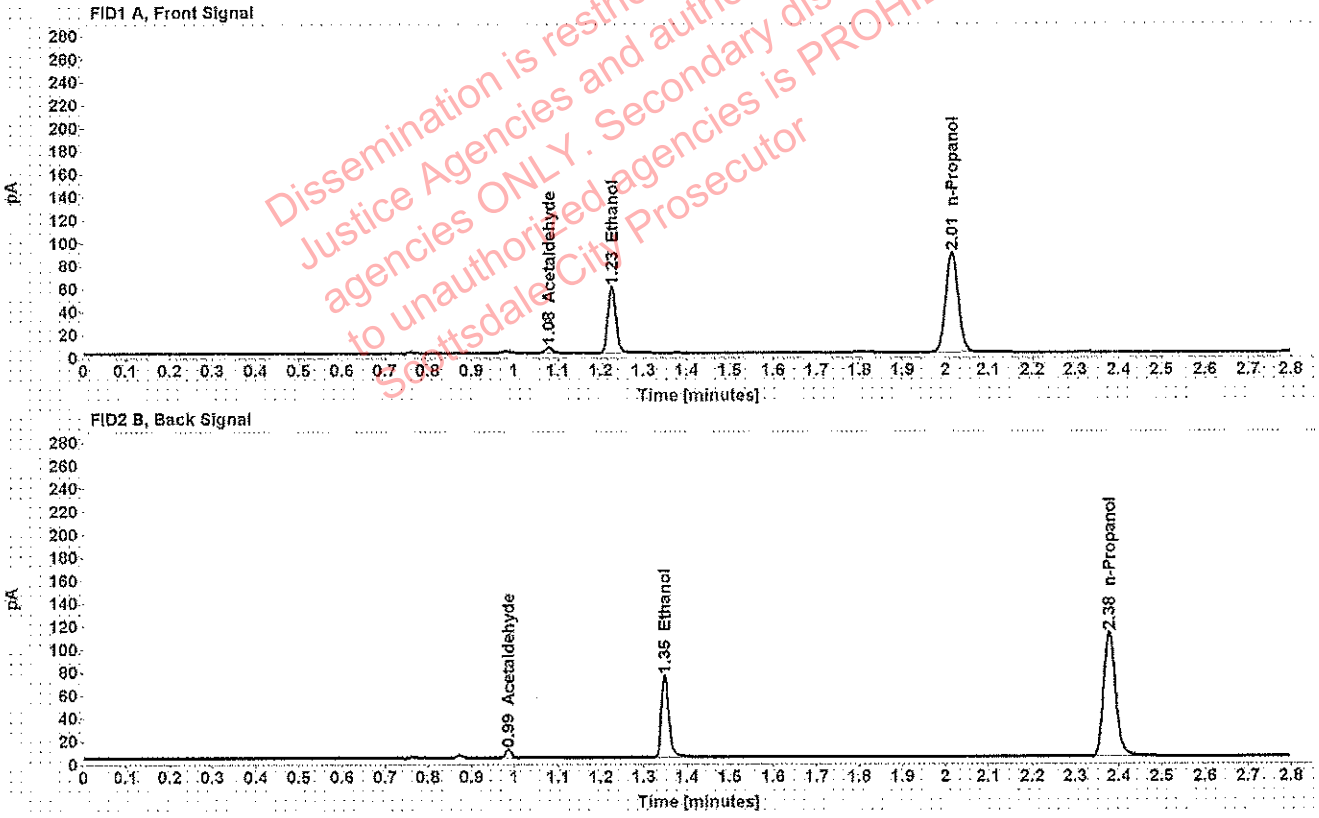


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.078	5.212
>Ethanol	0.1108	1.226	74.322
n-Propanol	------	2.015	177.882

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.986	6.485
Ethanol	1.348	88.137
n-Propanol	2.378	208.888

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1211886
Injection date:	5/15/2018 4:54:55 PM	**Vial:**	24
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\24.D		

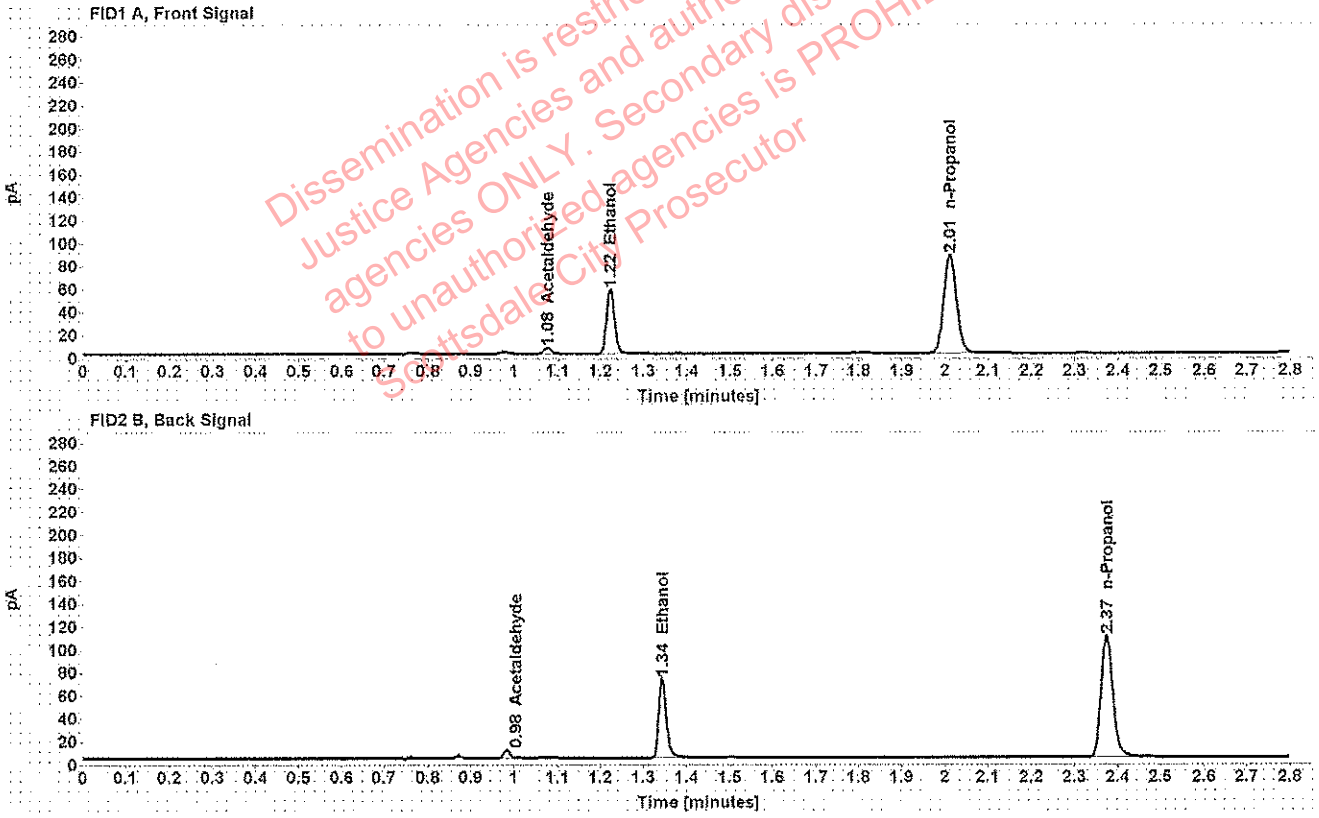


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	5.427
>Ethanol	0.1092	1.223	71.800
n-Propanol	------	2.012	174.494

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	6.760
Ethanol	1.344	84.367
n-Propanol	2.374	204.728

Case [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213394
Injection date:	5/15/2018 4:59:09 PM	**Vial:**	25
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\25.D		

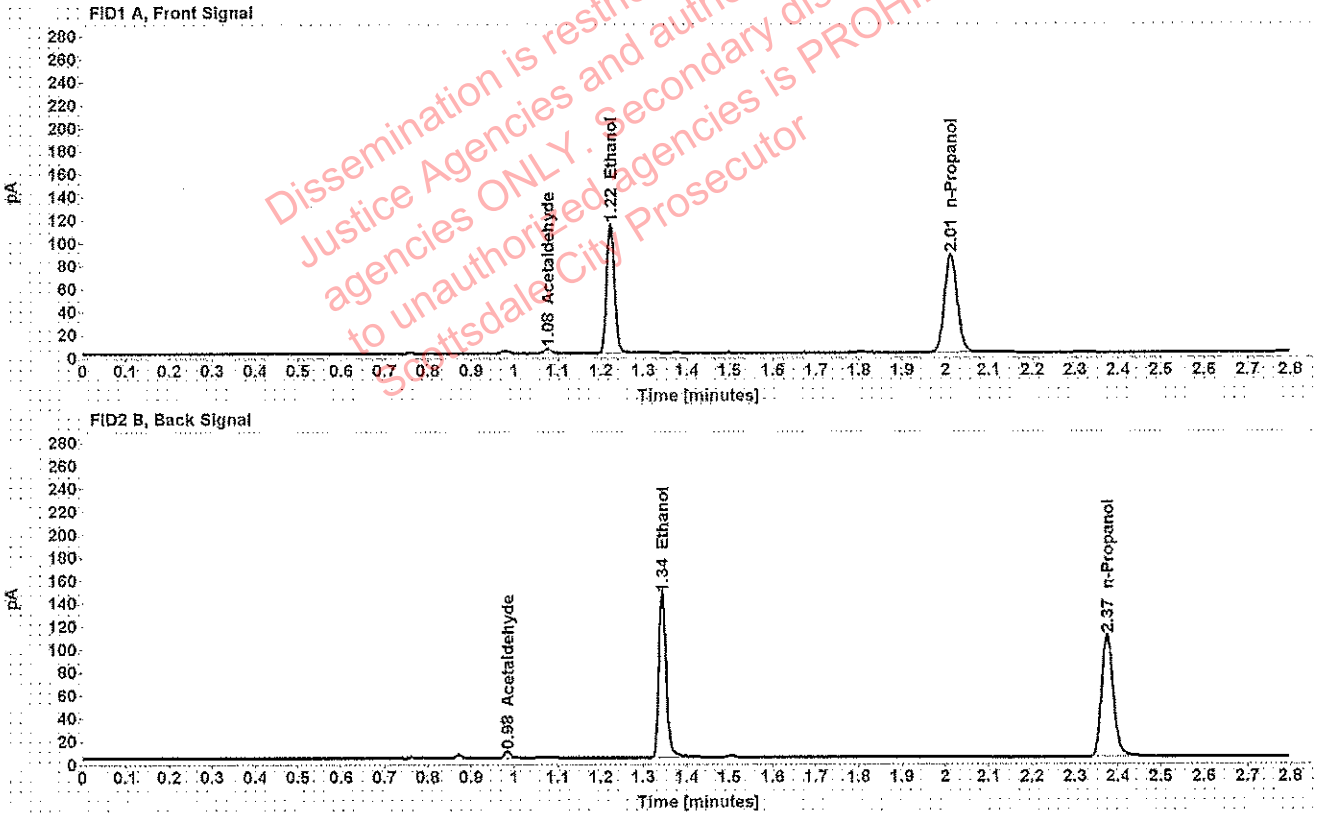


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.228
>Ethanol	0.2192	1.223	144.402
n-Propanol	------	2.012	173.884

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.353
Ethanol	1.343	171.886
n-Propanol	2.374	204.831

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213394
Injection date:	5/15/2018 5:03:09 PM	**Vial:**	26
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\26.D		

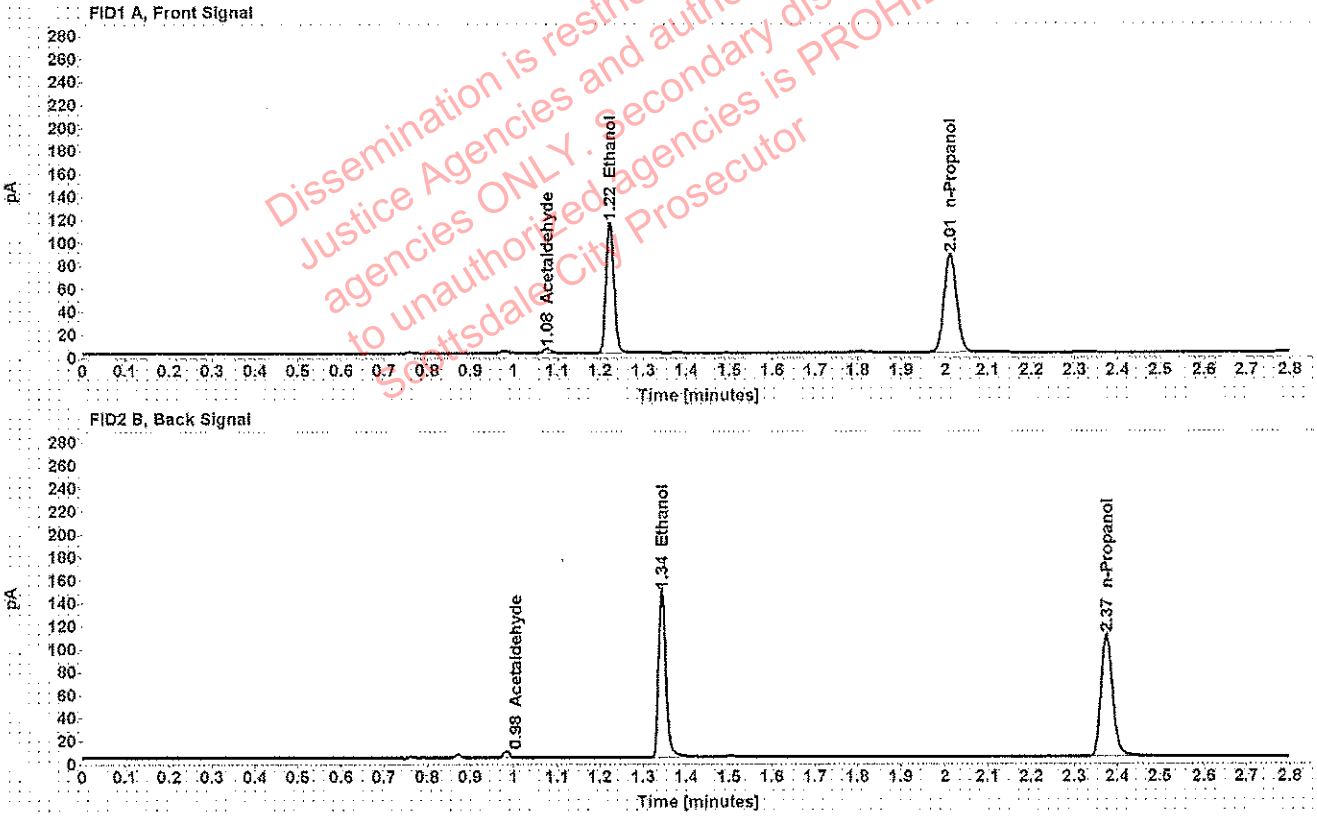


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.187
>Ethanol	0.2208	1.223	145.832
n-Propanol	------	2.012	174.347

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.320
Ethanol	1.343	173.570
n-Propanol	2.374	205.413

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213982
Injection date:	5/15/2018 5:07:11 PM	**Vial:**	27
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\27.D		

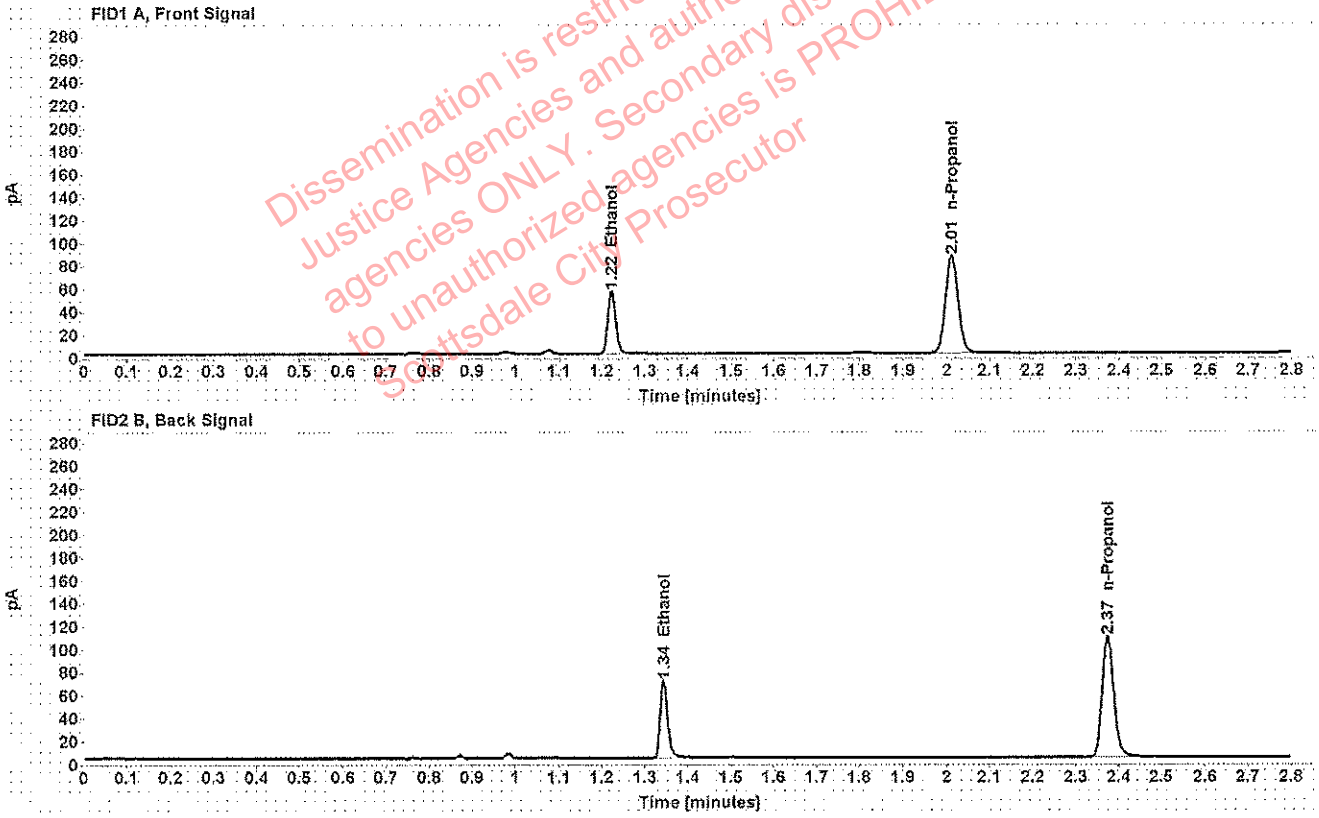


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1065	1.223	69.243
n-Propanol	------	2.012	172.578

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.344	81.430
n-Propanol	2.374	203.226

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213982
Injection date:	5/15/2018 5:11:09 PM	**Vial:**	28
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\28.D		

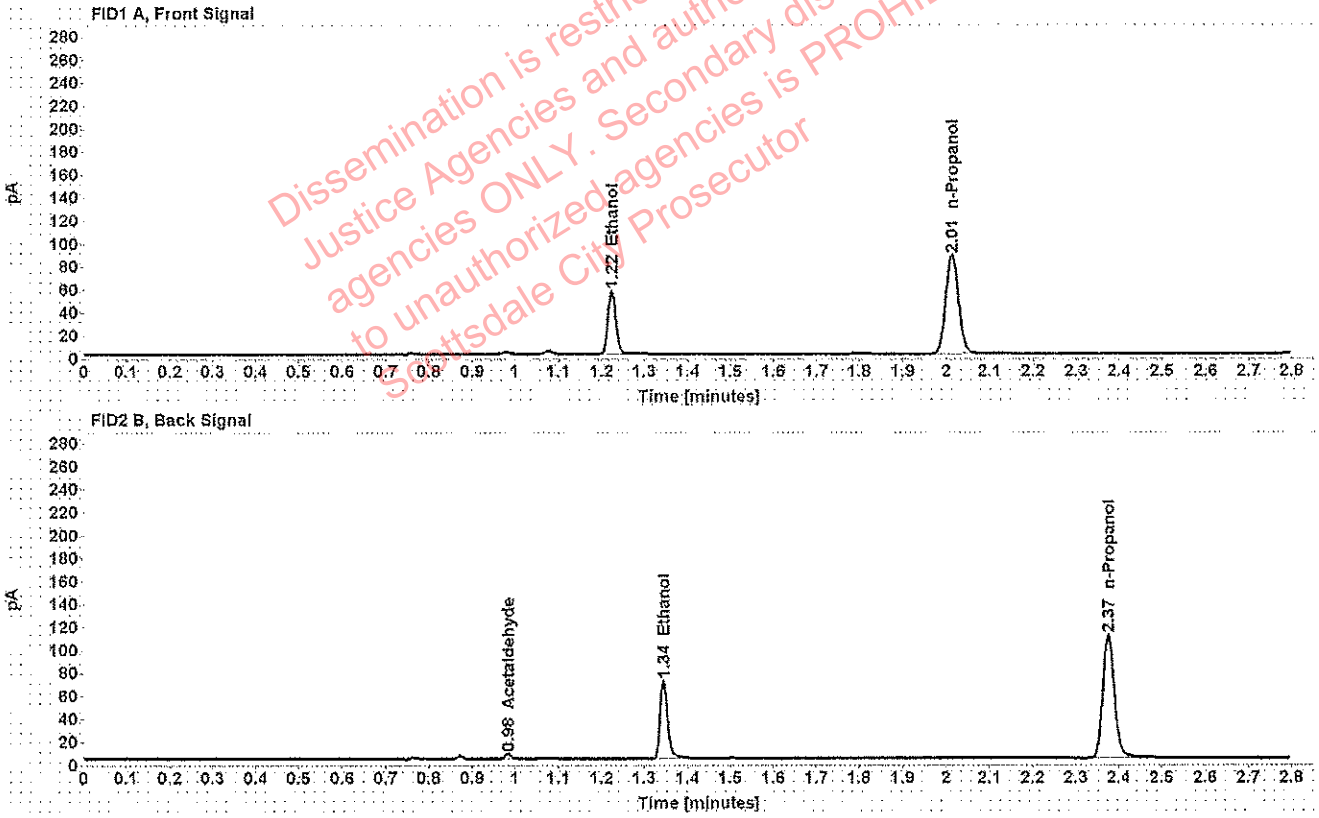


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1070	1.223	70.765
n-Propanol	------	2.012	175.525

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	3.805
Ethanol	1.345	83.388
n-Propanol	2.375	206.804

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1214001
Injection date:	5/15/2018 5:15:11 PM	**Vial:**	29
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\29.D		

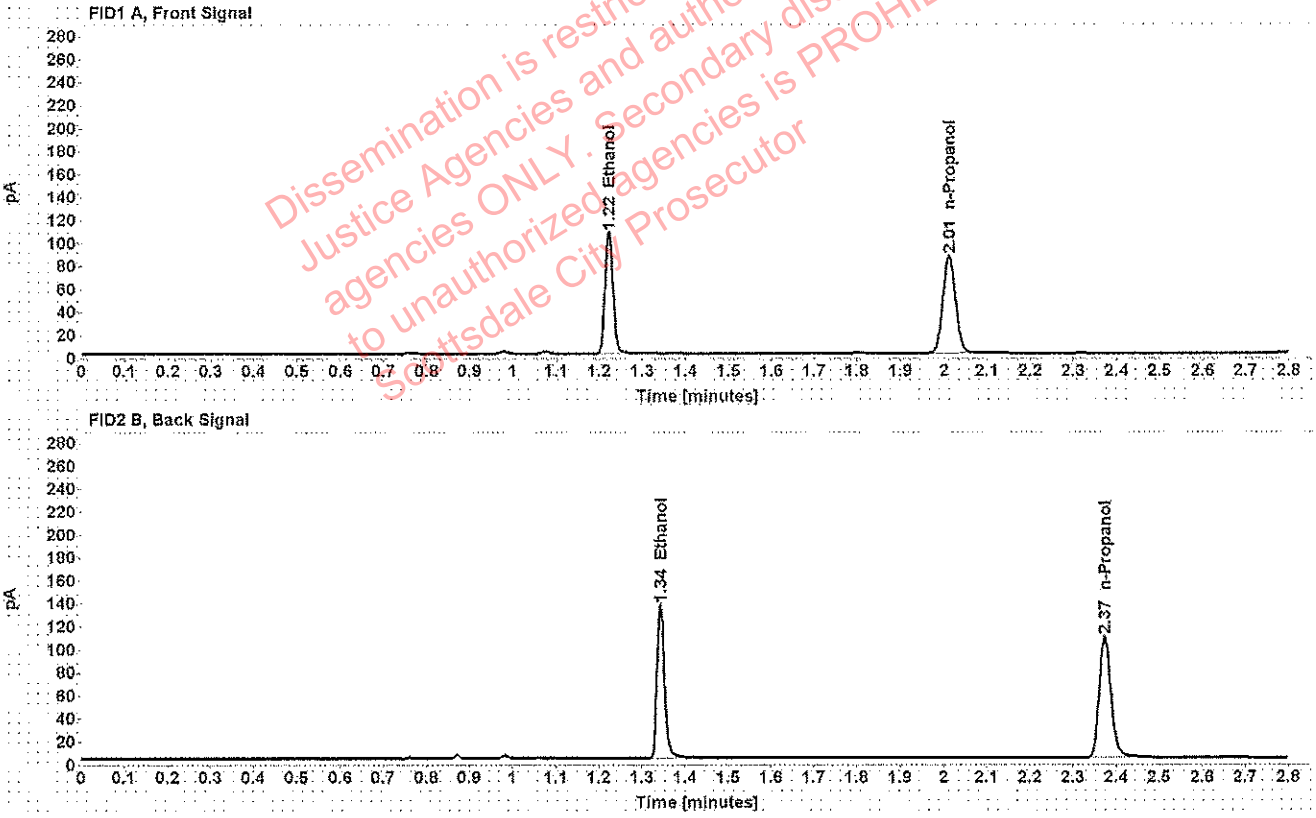


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2071	1.222	135.495
n-Propanol	------	2.012	172.715

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.343	161.300
n-Propanol	2.374	203.390

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1214001
Injection date:	5/15/2018 5:19:10 PM	**Vial:**	30
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\30.D		

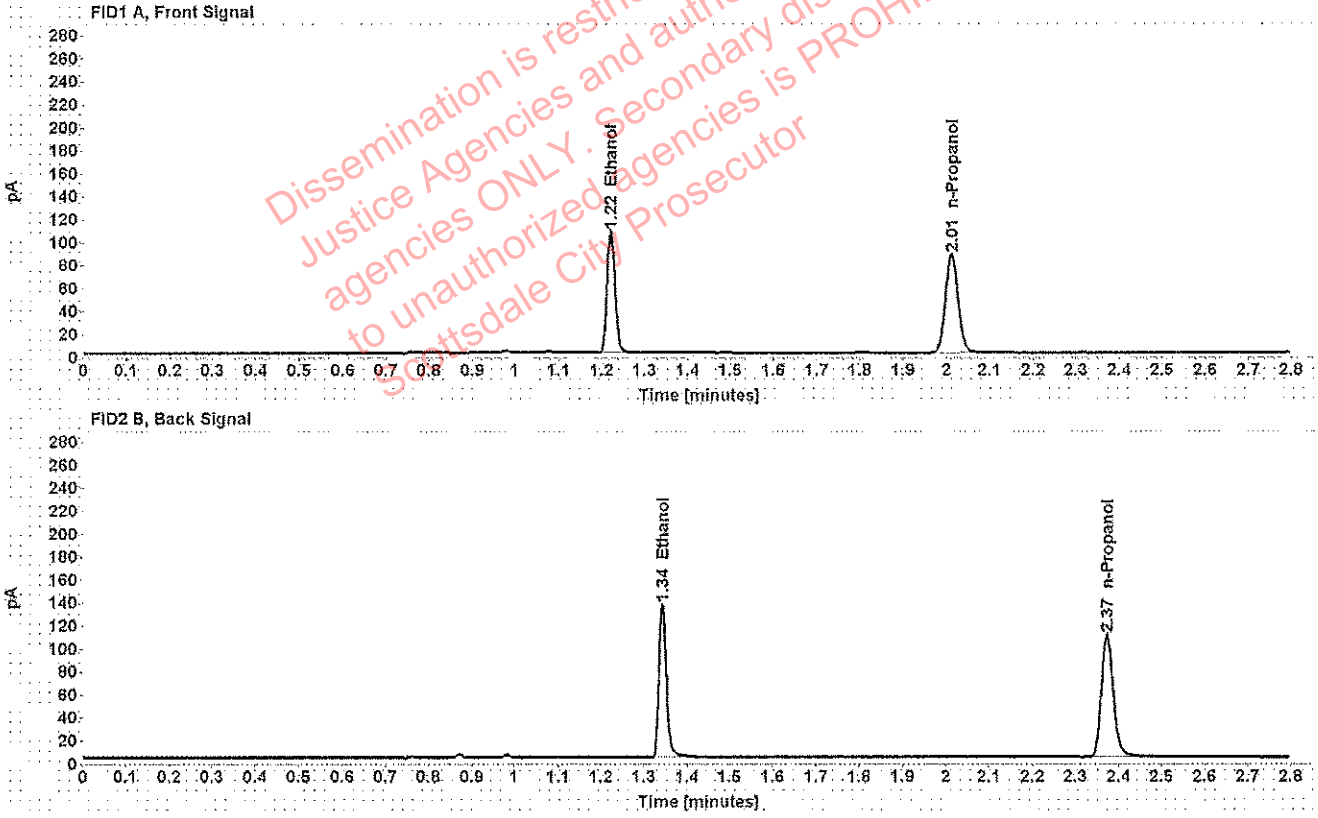


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2060	1.222	135,820
n-Propanol	------	2.011	174,069

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Ethanol	1.342	161,404
n-Propanol	2.373	205,143

Case [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213009
Injection date:	5/15/2018 5:27:25 PM	**Vial:**	32
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\32.D		

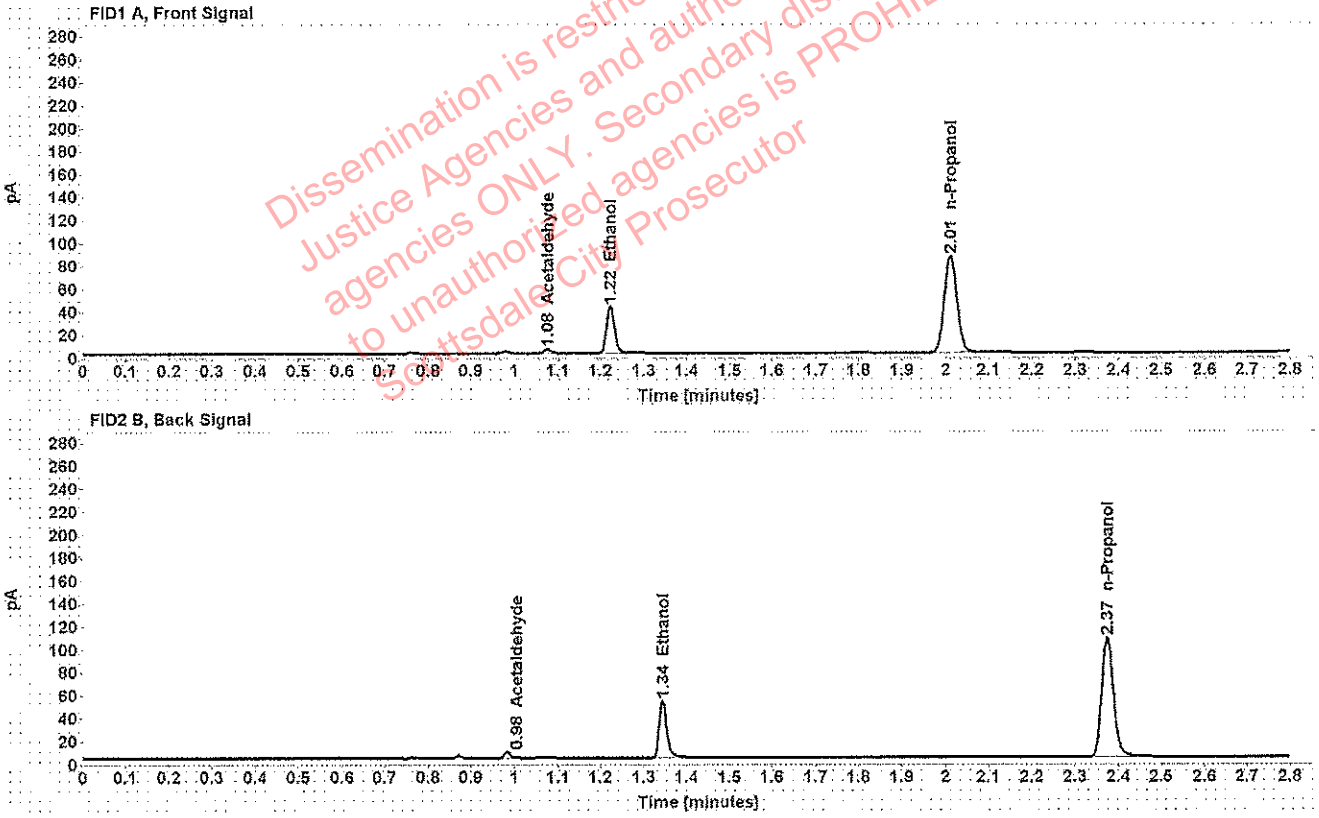


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.076	3.908
>Ethanol	0.0813	1.223	52.429
n-Propanol	------	2.012	171.671

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	4.923
Ethanol	1.344	61.692
n-Propanol	2.374	201.879

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1213009
Injection date:	5/15/2018 5:31:25 PM	**Vial:**	33
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\33.D		

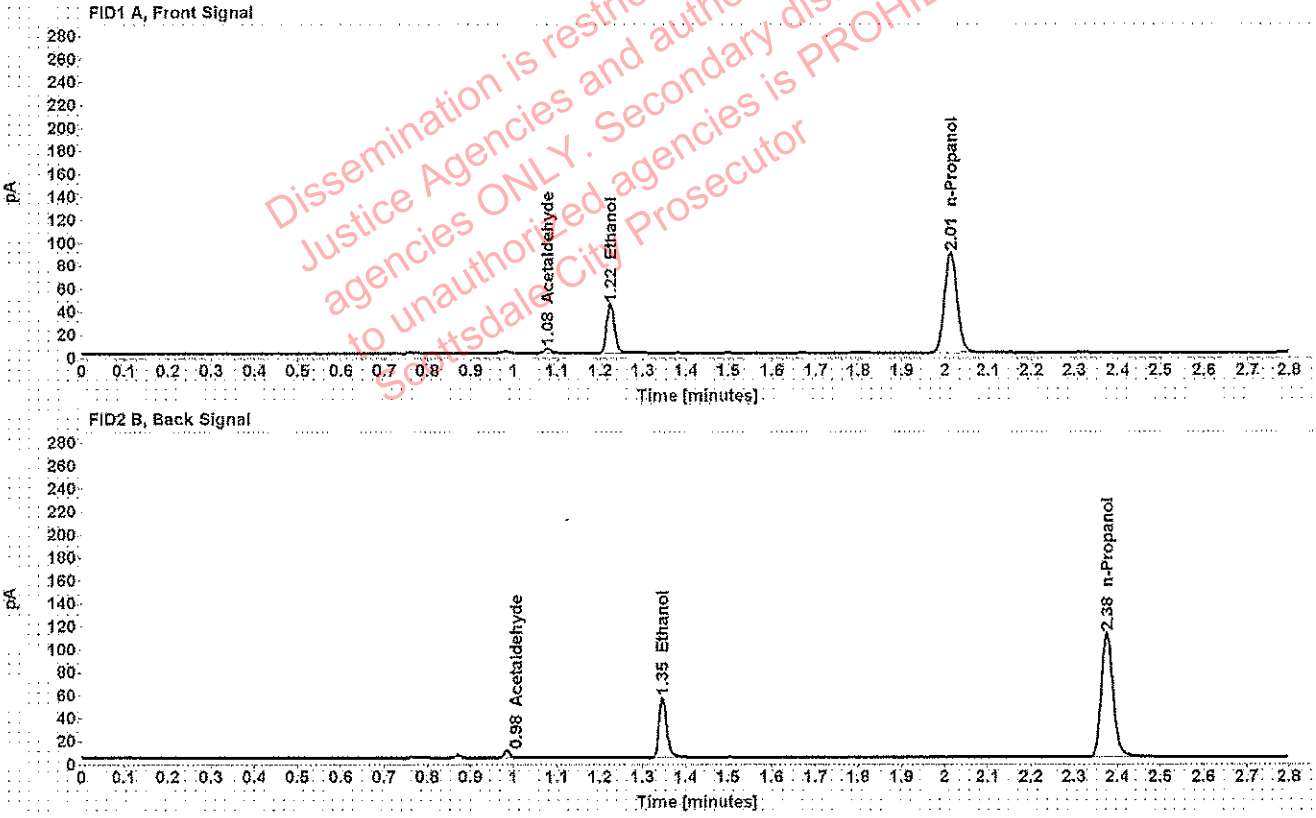


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4.426
>Ethanol	0.0825	1.224	54.905
n-Propanol	------	2.013	177.102

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5.576
Ethanol	1.346	64.305
n-Propanol	2.376	208.166

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1187091
Injection date:	5/15/2018 5:35:25 PM	**Vial:**	34
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\34.D		

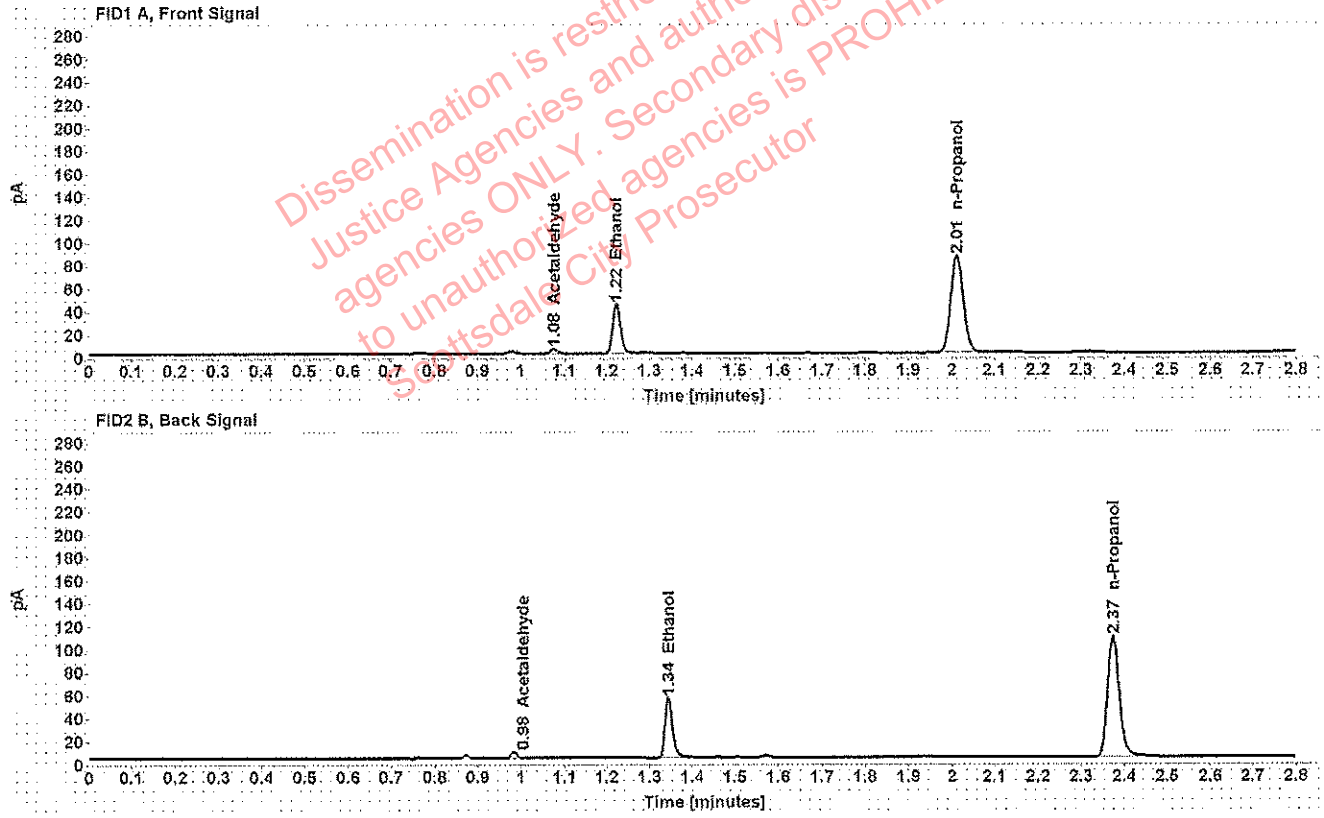


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	4,023
>Ethanol	0.0849	1.223	54,691
n-Propanol	------	2.012	171,357

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.984	5,081
Ethanol	1.344	64,333
n-Propanol	2.374	202,405

Case: [redacted] User: wadrian 5/16/2018

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	[redacted]	**Item number:**	1187091
Injection date:	5/15/2018 5:39:25 PM	**Vial:**	35
Method:	ethanol quant.M	**Sequence:**	15May18
Instrument:	US14173023 CN14160045	**Analyst:**	Adrian
Data file:	C:\Chem32\1\Data\15May18\35.D		

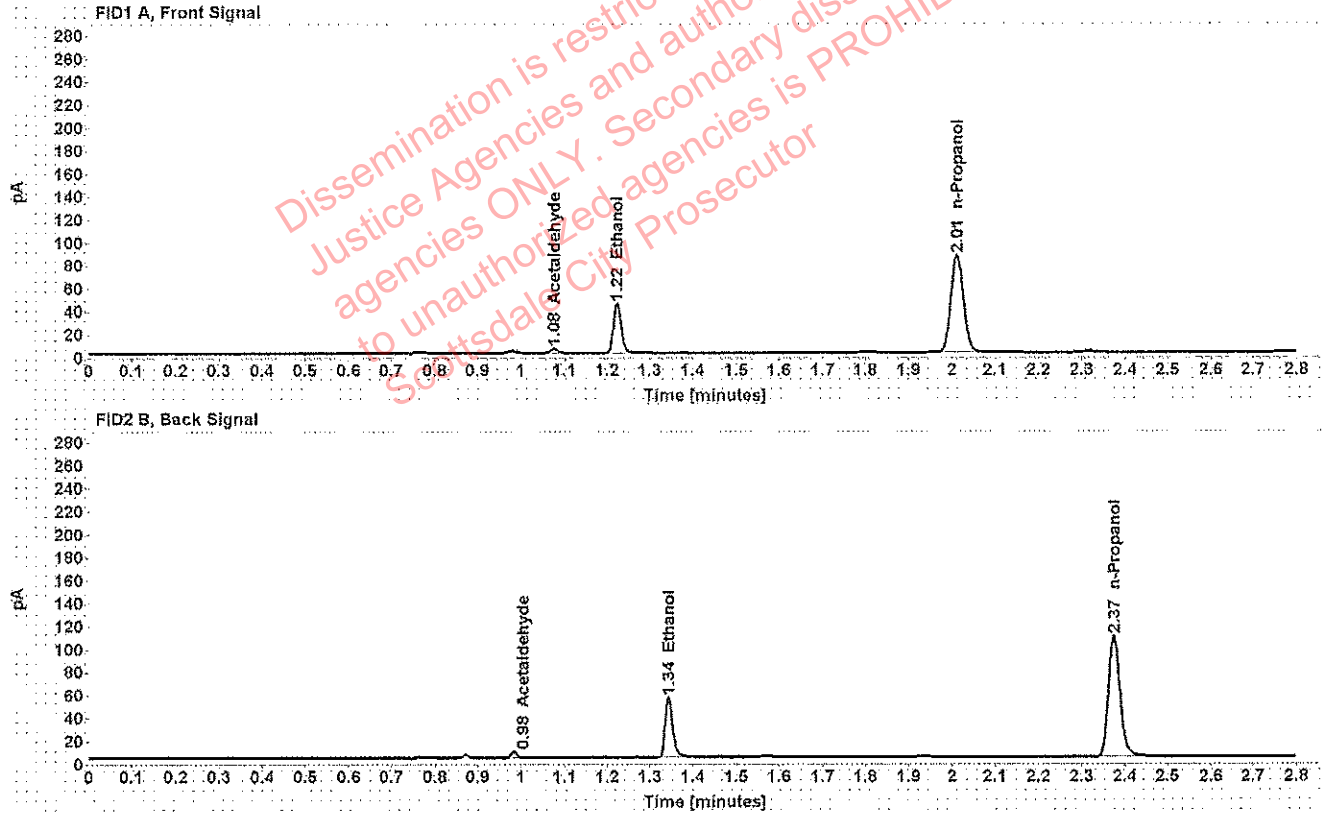


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	------	1.077	3.959
>Ethanol	0.0848	1.223	54.962
n-Propanol	------	2.012	172.363

Table 2: FID 2 B (column DB-ALC2)

Compound	Time (min)	Peak Area
Acetaldehyde	0.983	5.001
Ethanol	1.344	64.699
n-Propanol	2.374	203.622