

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/29/19 SEQUENCE NAME 29Oct19

### EQUIPMENT

Pipettor  Hamilton ML600EH7497  Hamilton ML600GJ10749  
 Gas Chromatograph  Agilent US14173023

### INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r<sup>2</sup>)  
 Vial 2 0.10 calibrator Lot FN02271802 0.99995  
 Vial 3 0.20 calibrator Lot FN06231704  
 Vial 4 0.40 calibrator Lot FN05131606

### CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	blank	Not detected	Not detected	SPD lab 080519
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.403 g/dL	Lipomed 08012015-C
8	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 09022015-A
9	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.150 g/dL	0.150 g/dL	Lipomed 09022015-C
42	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed 08012015-C
43	Aqueous control	0.040 g/dL	0.038 g/dL	Lipomed 09022015-A
44	Blood control	0.198 g/dL	0.200 g/dL	ACQ 407041529/13
45	blank	Not detected	Not detected	SPD Lab 040919WB

### SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid   
 Run invalid

KOSECKI  
 Analyst

Run valid   
 Run invalid

[Signature]  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

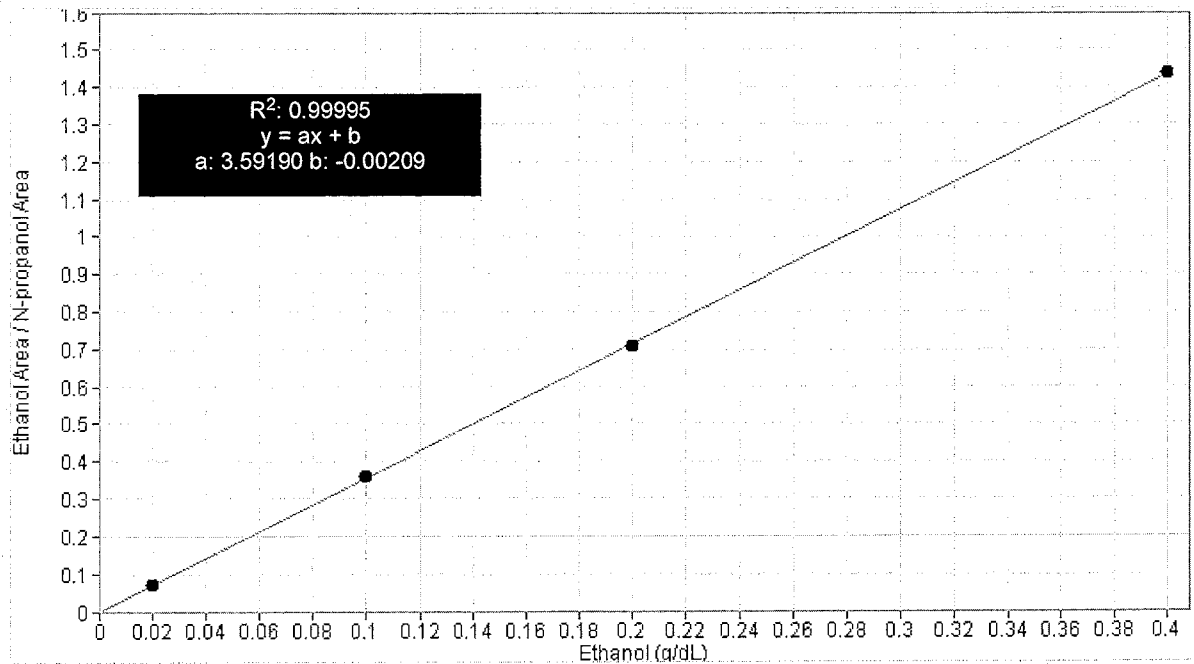
SEQUENCE NAME: 29Oct19

ANALYST: Kosecki *AK*

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 080519	5	negative	negative	-	-
0.400 08012015-C	7	0.403	0.400	0.75	0.003
0.040 09022015-A	8	0.038	0.040	5.00	-0.002
0.198 407041529/13	9	0.198	0.198	0.00	0.000
0.080 03102016-A/1	20	0.079	0.080	1.25	-0.001
0.150 09022015-C	31	0.150	0.150	0.00	0.000
0.40 08012015-C	42	0.402	0.400	0.50	0.002
0.04 09022015-A	43	0.038	0.040	5.00	-0.002
0.198 407041529/13	44	0.200	0.198	1.01	0.002
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.323	174.617	0.071
0.100	62.449	173.506	0.360
0.200	121.201	170.590	0.711
0.400	247.339	172.143	1.437

### Calibration Line



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN03241604	<b>Vial:</b> 1
<b>Description:</b> 0.020 calibrator	<b>Sequence:</b> 29Oct19
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/29/2019 10:10:27 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Kosecki <i>AK</i>
<b>Data file:</b> C:\Chem32\1\Data\29Oct19\1.D	

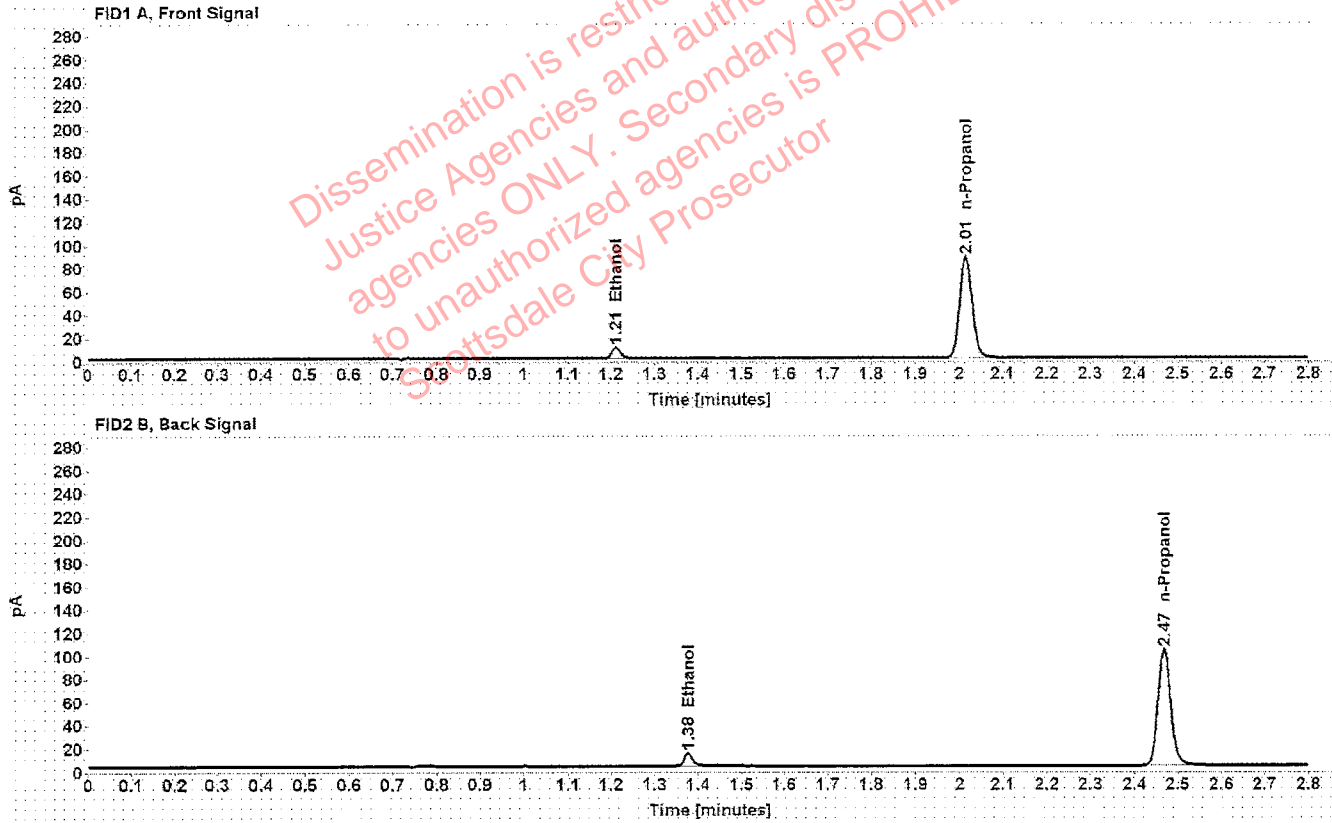


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.212	12.323
n-Propanol	2.015	174.617

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

Compound	Time (min)	Peak Area
Ethanol	1.376	14.804
n-Propanol	2.468	206.925

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 29Oct19
Method: ethanol quant.M	Injection date: 10/29/2019 10:14:26 AM
Instrument: US14173023 CN14160045	Analyst: Kosecki <span style="float: right;">AK</span>
Data file: C:\Chem32\1\Data\29Oct19\2.D	

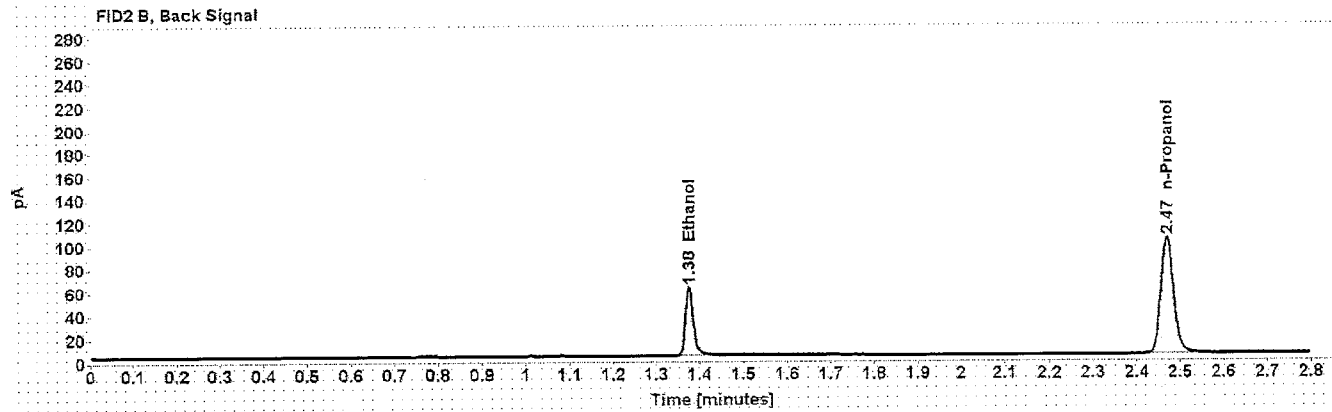
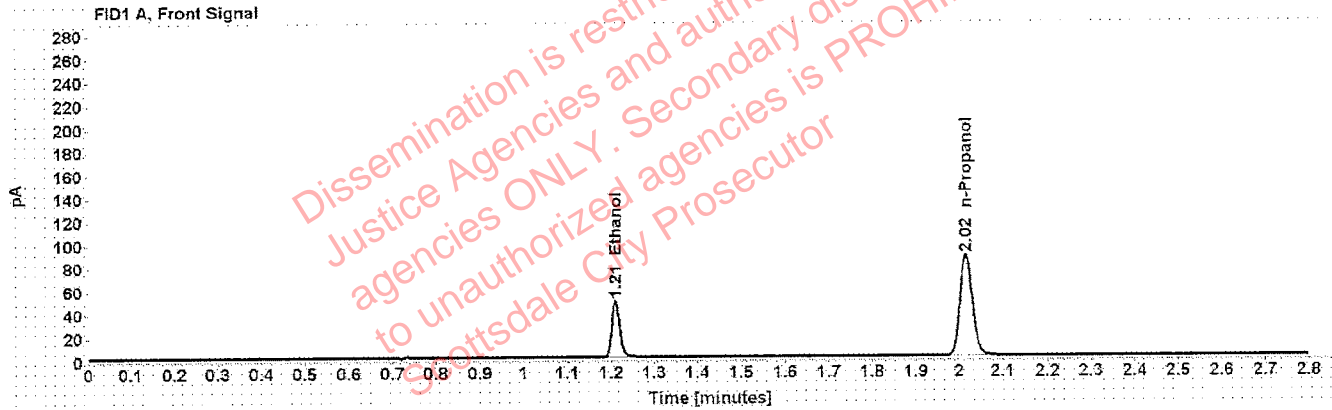


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	62.449
n-Propanol	2.016	173.506

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

Compound	Time (min)	Peak Area
Ethanol	1.376	75.968
n-Propanol	2.470	206.774

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 29Oct19
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/29/2019 10:18:27 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Kosecki <span style="float: right;">AK</span>
<b>Data file:</b> C:\Chem32\1\Data\29Oct19\3.D	

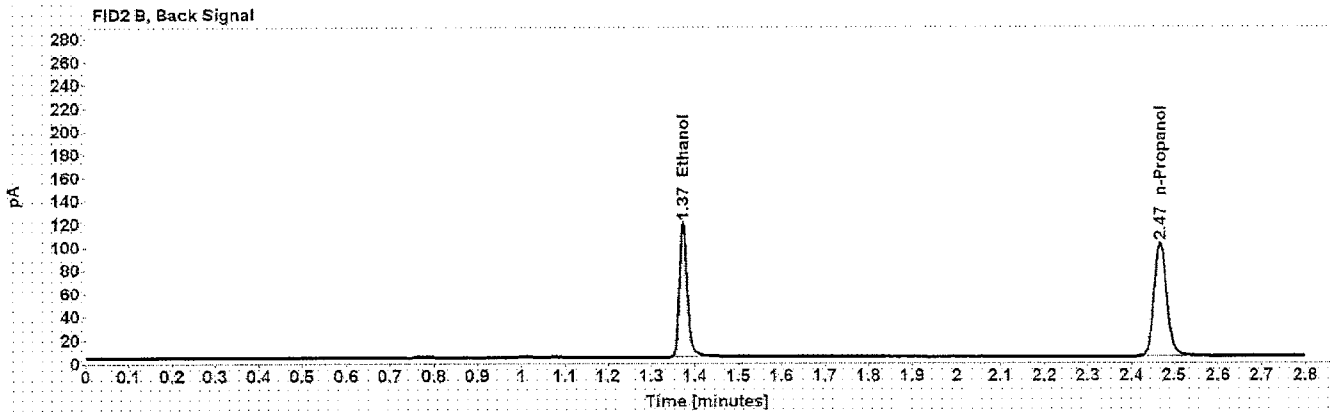
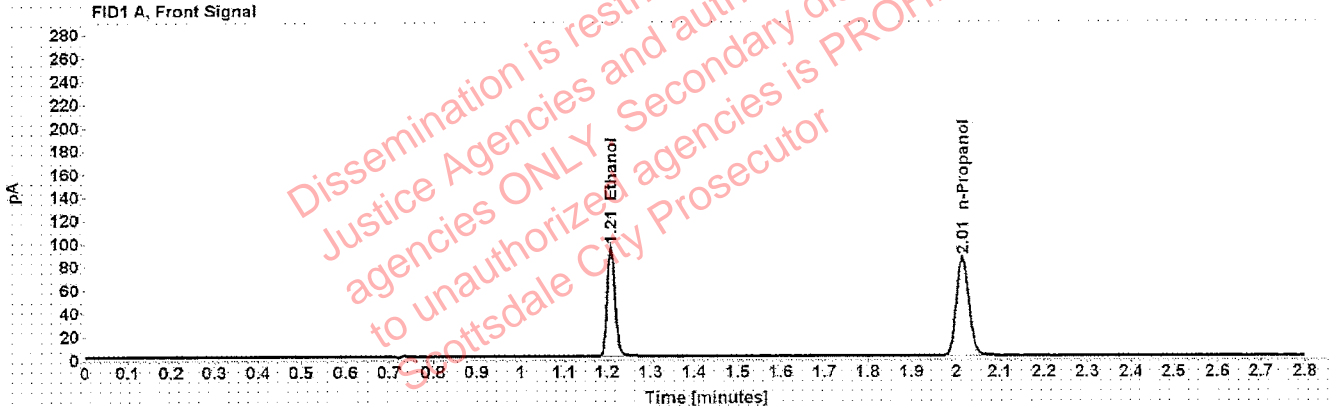


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	121.201
n-Propanol	2.014	170.590

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

Compound	Time (min)	Peak Area
Ethanol	1.373	148.853
n-Propanol	2.468	203.410

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN05131606	<b>Vial:</b> 4
<b>Description:</b> 0.400 calibrator	<b>Sequence:</b> 29Oct19
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 10/29/2019 10:22:26 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Kosecki <span style="float: right;">AK</span>
<b>Data file:</b> C:\Chem32\1\Data\29Oct19\4.D	

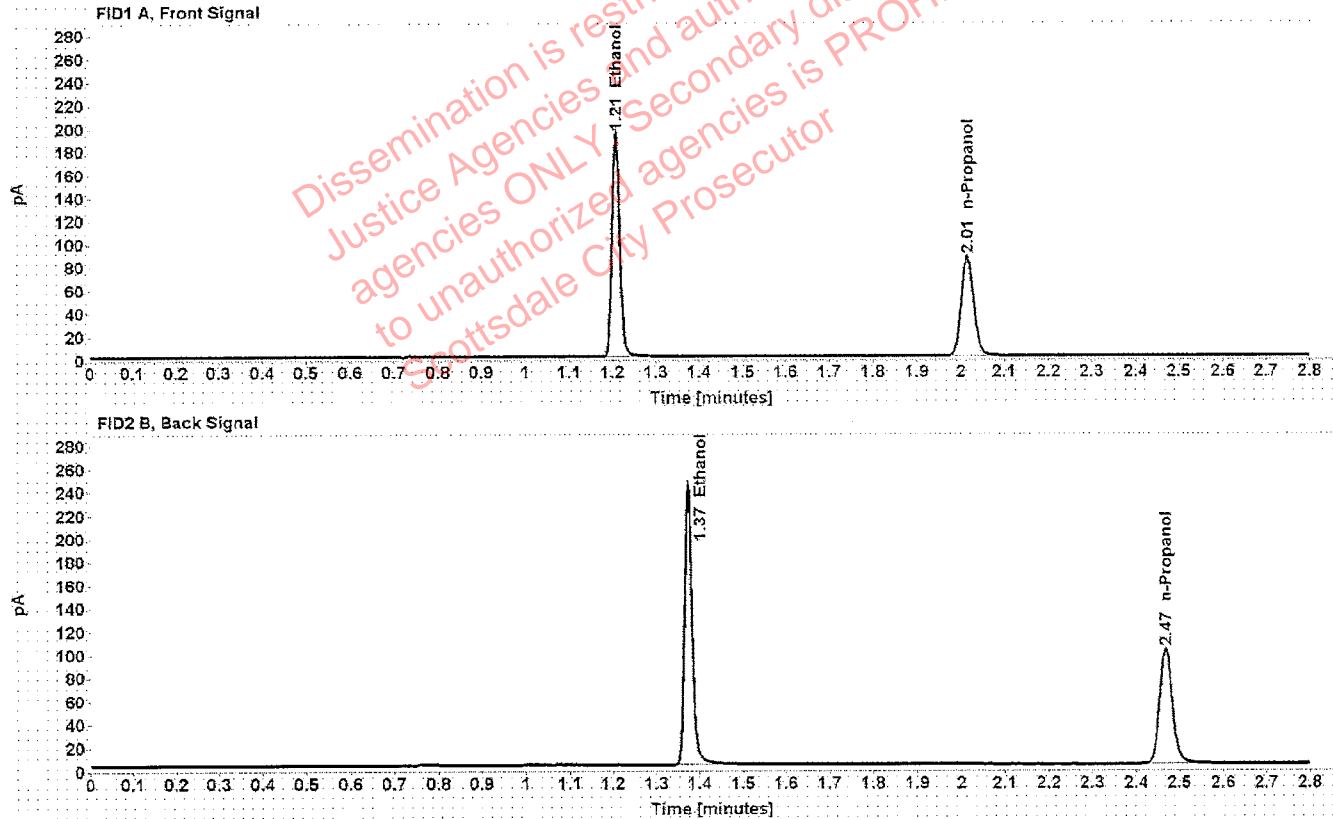


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	247.339
n-Propanol	2.015	172.143

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

Compound	Time (min)	Peak Area
Ethanol	1.373	304.317
n-Propanol	2.468	205.762

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 080519	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 29Oct19
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/29/2019 10:26:26 AM
<b>Data file:</b> C:\Chem32\1\Data\29Oct19\5.D	<b>Analyst:</b> Kosecki <i>AK</i>

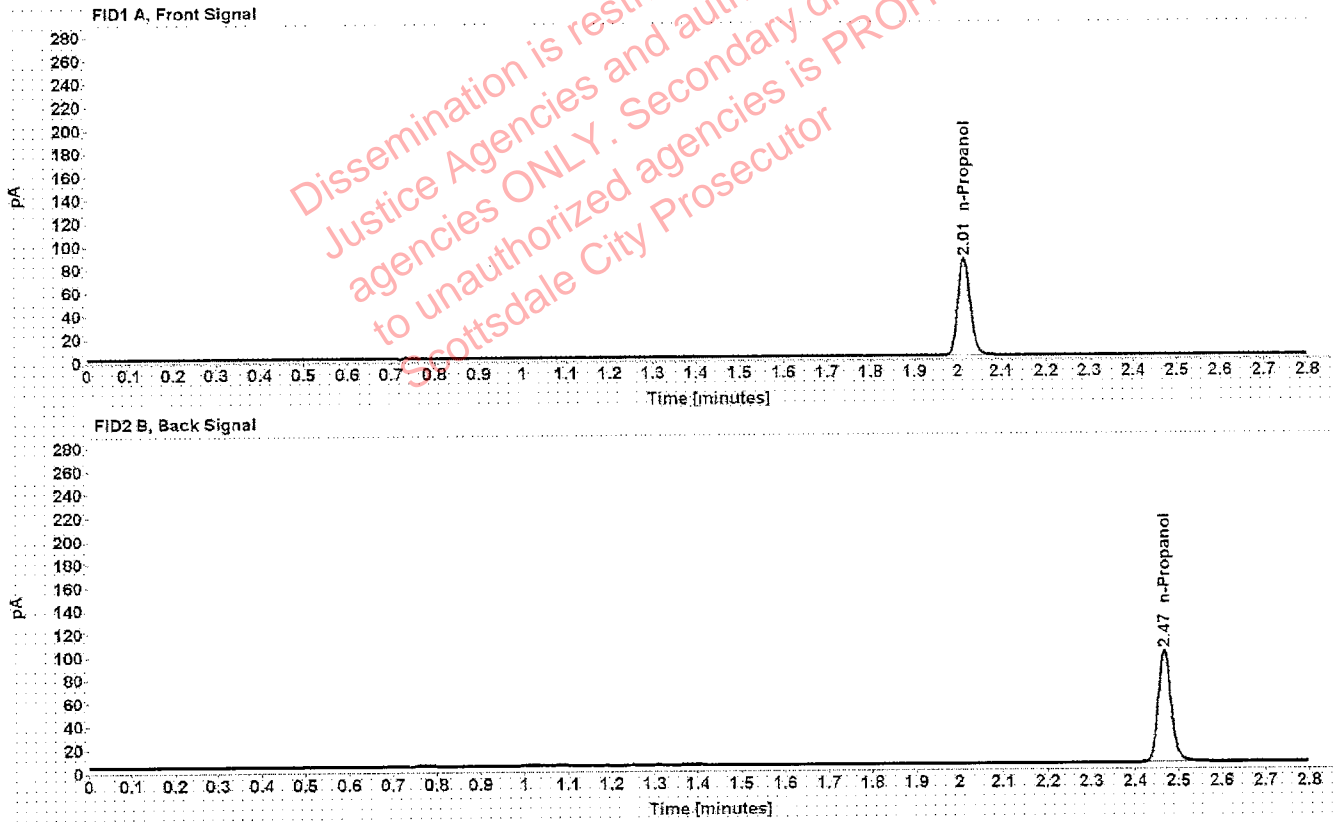


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	168.034

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	199.991

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	070819	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:30:27 AM
Data file:	C:\Chem32\1\Data\29Oct19\6.D	Analyst:	Kosecki <i>AK</i>

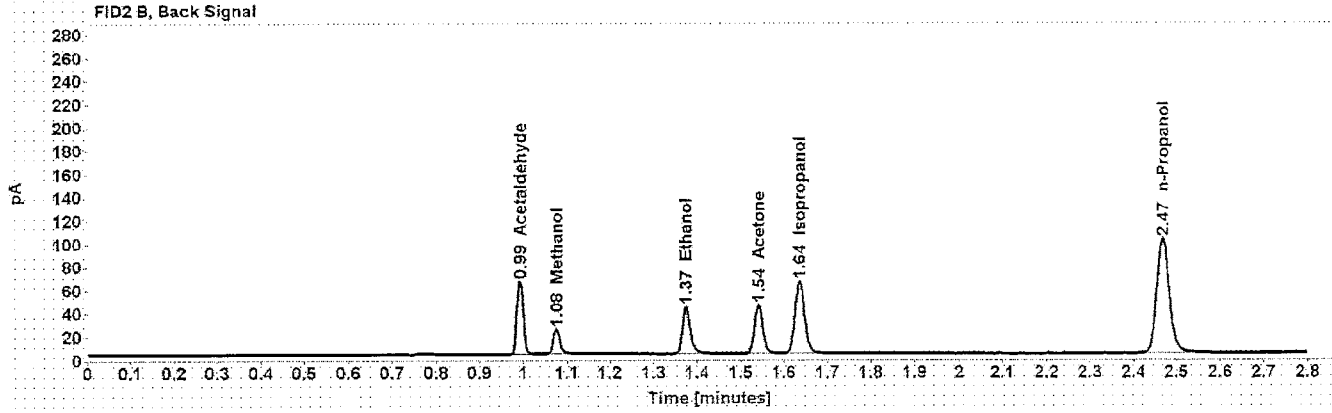
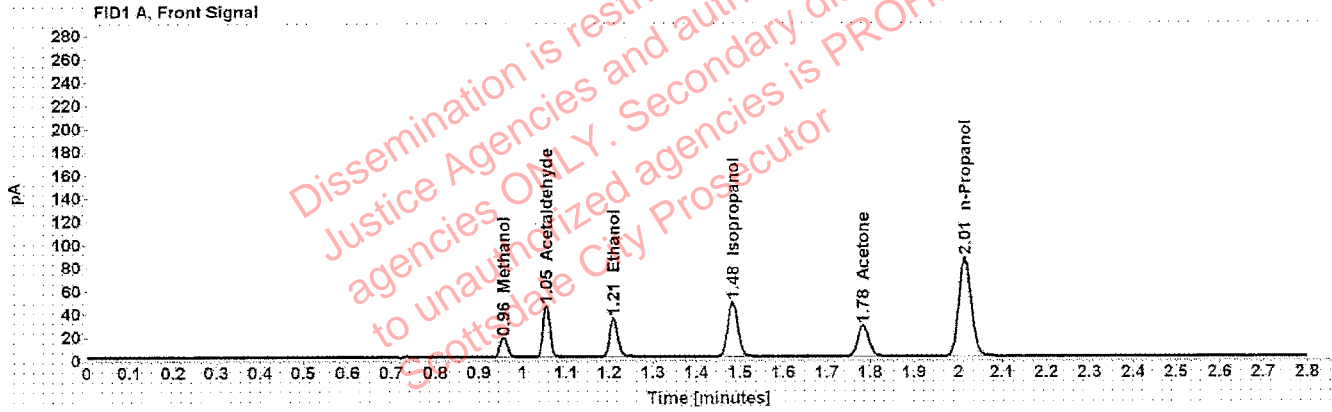


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	19.065
Acetaldehyde	-----	1.054	48.815
>Ethanol	0.0709	1.210	43.282
Isopropanol	-----	1.483	76.708
Acetone	-----	1.783	46.698
n-Propanol	-----	2.015	171.391

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	62.736
Methanol	1.076	24.211
Ethanol	1.375	52.700
Acetone	1.541	56.412
Isopropanol	1.636	96.189
n-Propanol	2.468	205.303



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 10:34:41 AM
Data file: C:\Chem32\1\Data\29Oct19\7.D	Analyst: Kosecki <i>AK</i>

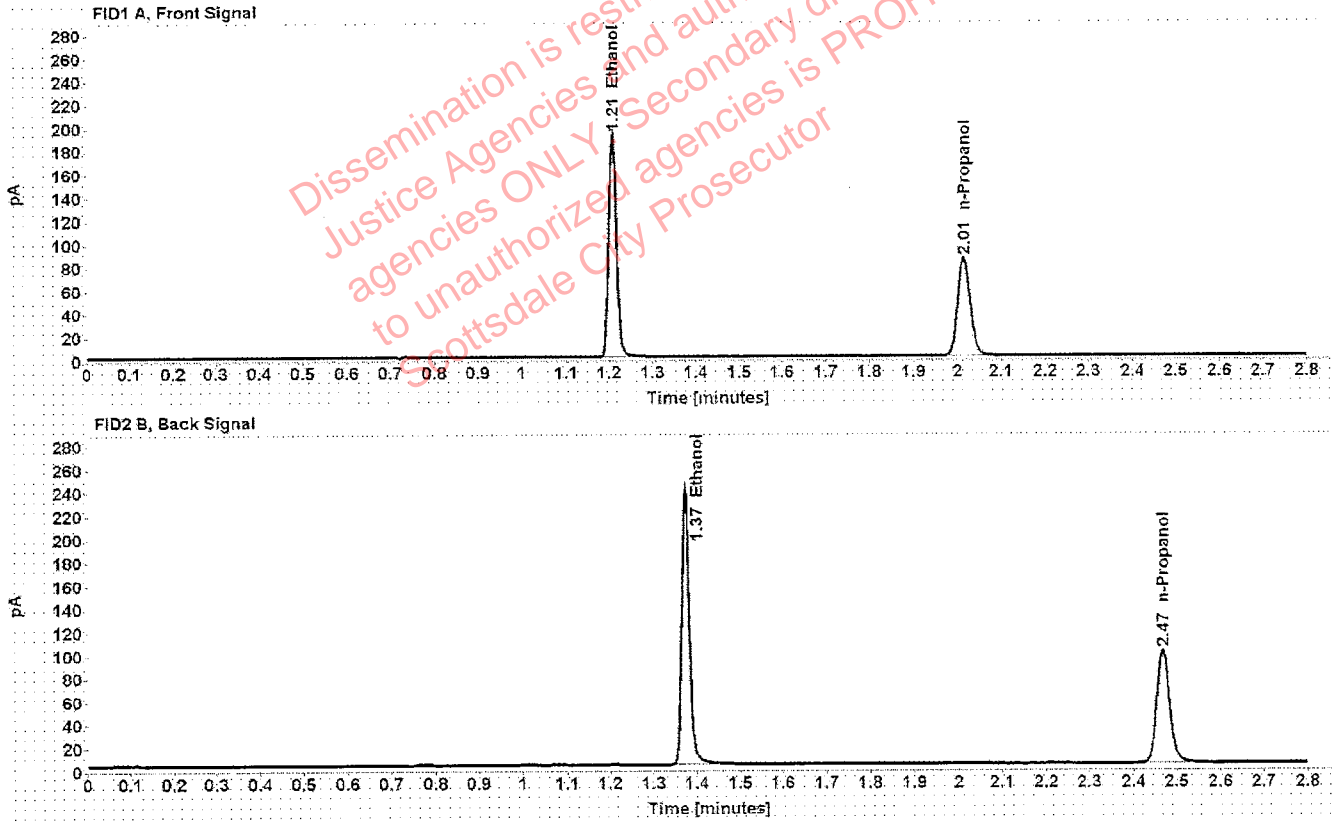


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4032	1.208	245.775
n-Propanol	-----	2.014	169.946

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

Compound	Time (min)	Peak Area
Ethanol	1.373	302.418
n-Propanol	2.468	202.865

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	09022015-A	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:38:42 AM
Data file:	C:\Chem32\1\Data\29Oct19\8.D	Analyst:	Kosecki <b>AK</b>

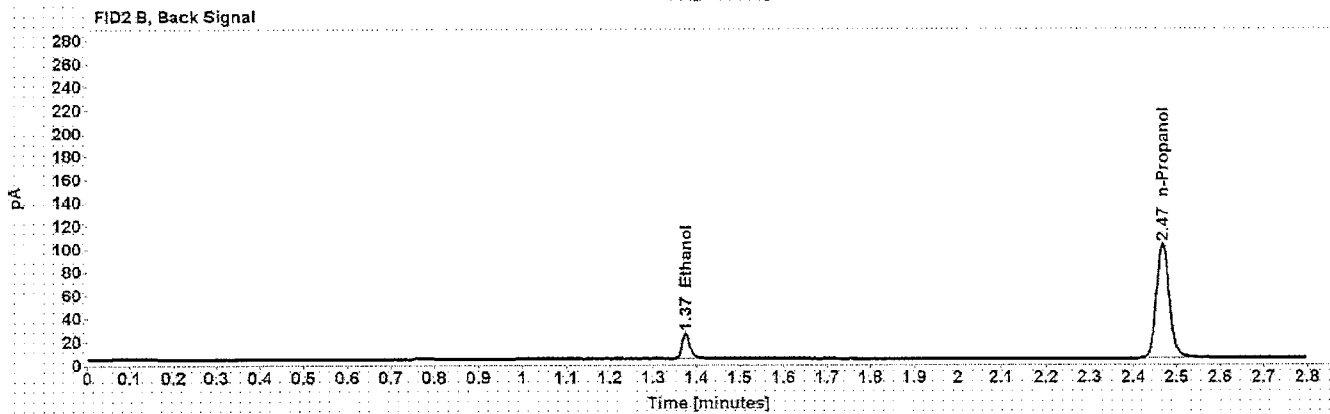


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0384	1.210	23.412
n-Propanol	-----	2.014	172.273

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

Compound	Time (min)	Peak Area
Ethanol	1.375	28.298
n-Propanol	2.468	205.294

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 9
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 29Oct19
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 10/29/2019 10:42:41 AM
<b>Data file:</b> C:\Chem32\1\Data\29Oct19\9.D	<b>Analyst:</b> Kosecki <i>AK</i>

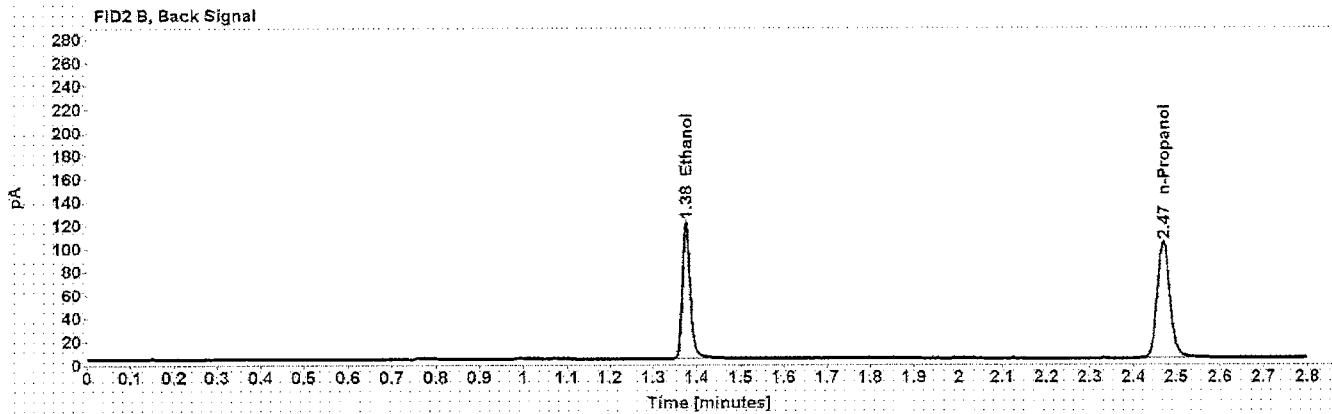
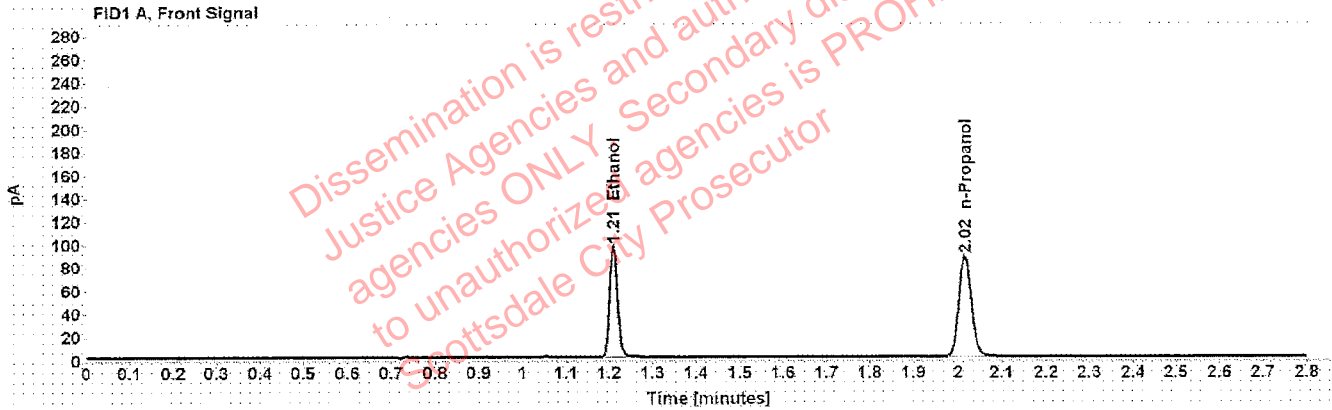


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1980	1.210	123.560
n-Propanol	-----	2.016	174.282

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

Compound	Time (min)	Peak Area
Ethanol	1.375	151.359
n-Propanol	2.470	208.243

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 11:27:12 AM
Data file: C:\Chem32\1\Data\29Oct19\20.D	Analyst: Kosecki <i>AK</i>

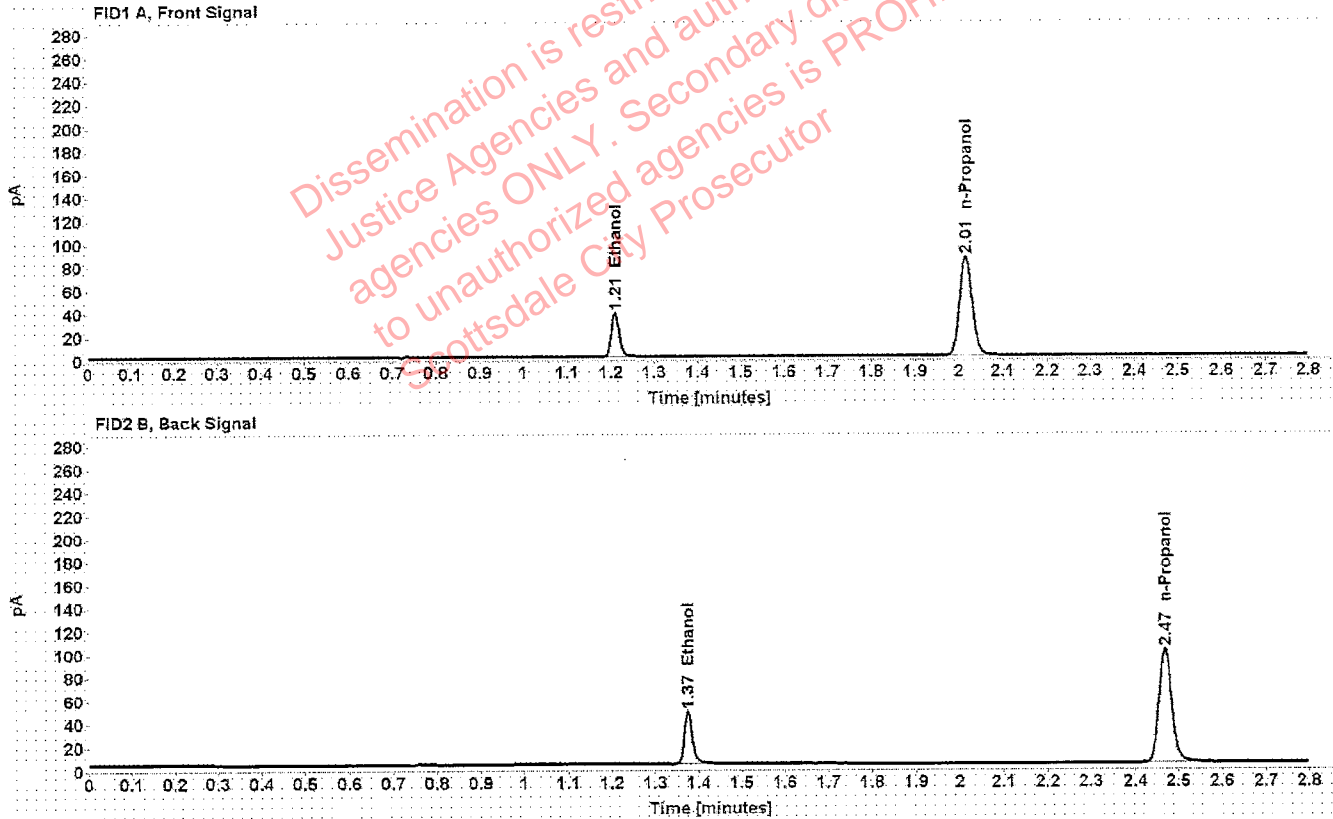


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0798	1.210	48.665
n-Propanol	-----	2.015	171.042

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

Compound	Time (min)	Peak Area
Ethanol	1.375	59.508
n-Propanol	2.469	203.666

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 12:11:42 PM
Data file: C:\Chem32\1\Data\29Oct19\31.D	Analyst: Kosecki <b>K</b>

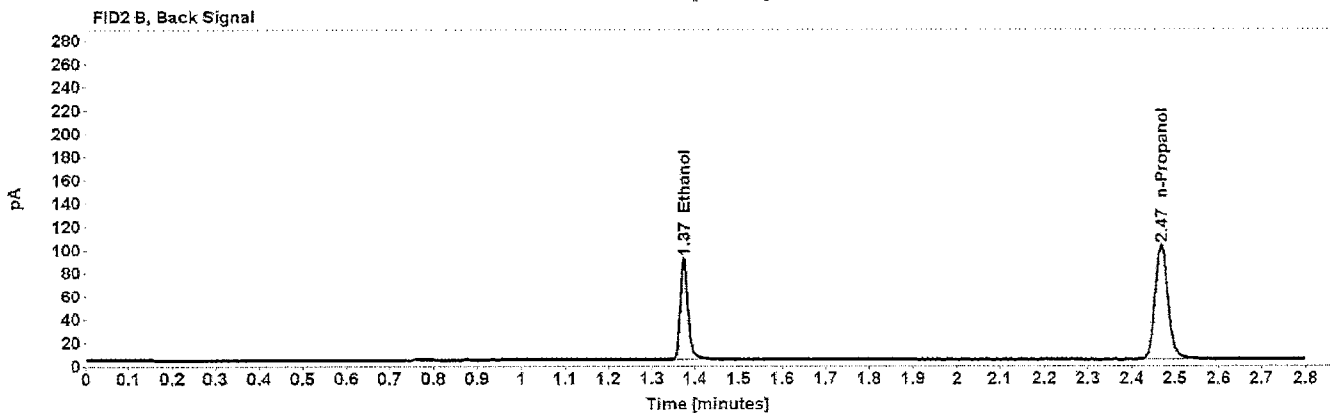
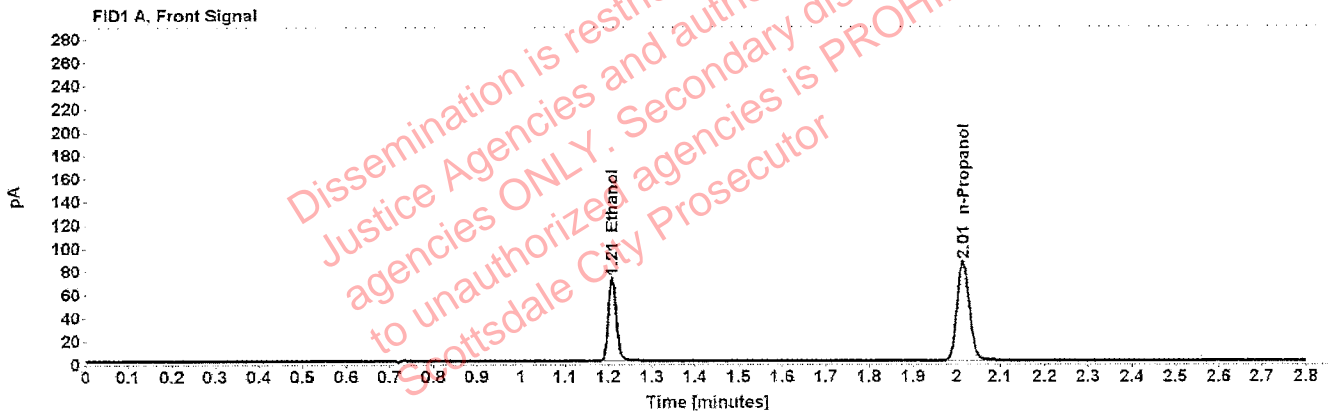


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1508	1.209	92.809
n-Propanol	-----	2.014	172.034

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.272
n-Propanol	2.468	205.128

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 08012015-C	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 12:55:57 PM
Data file: C:\Chem32\1\Data\29Oct19\42.D	Analyst: Kosecki <i>AK</i>

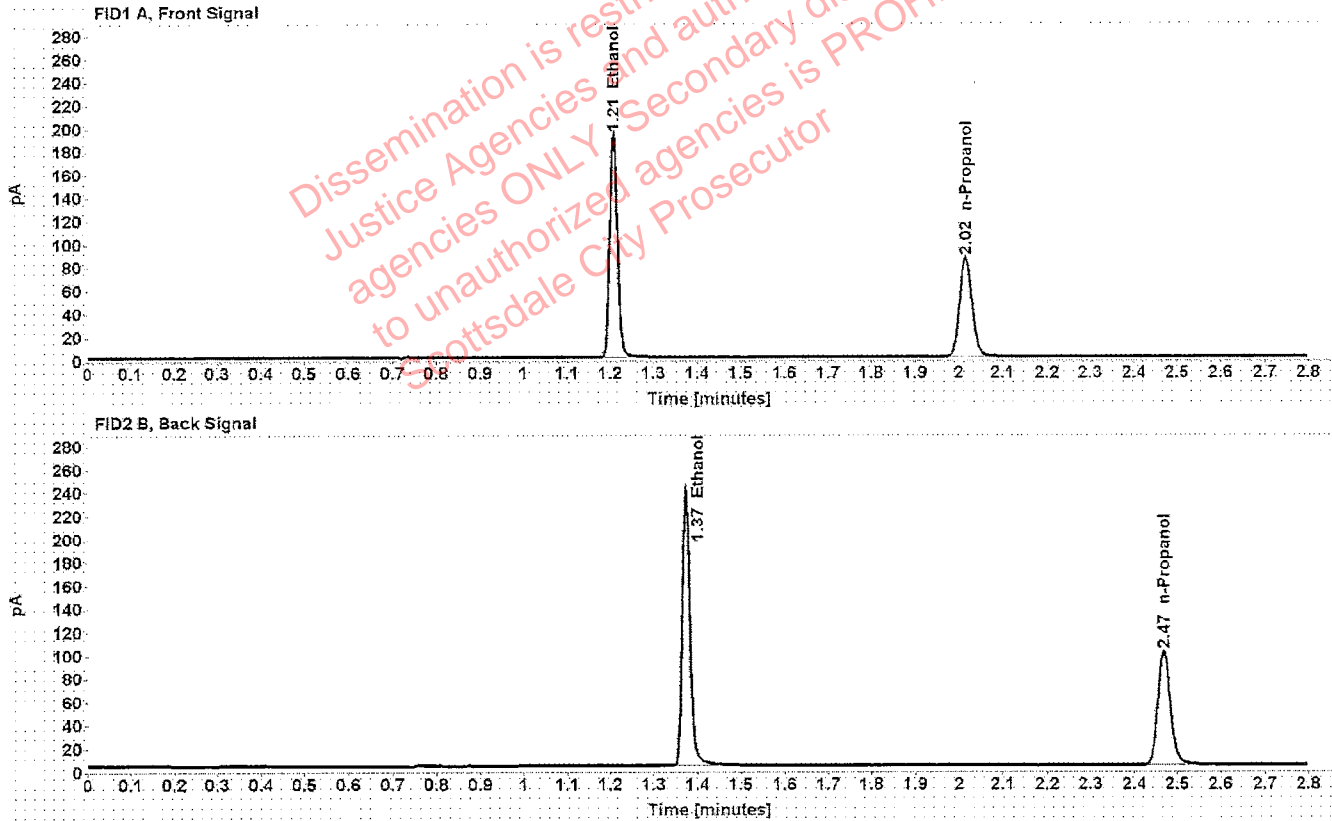


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4029	1.208	245.939
n-Propanol	-----	2.015	170.198

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

Compound	Time (min)	Peak Area
Ethanol	1.374	304.071
n-Propanol	2.469	203.974

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 09022015-A	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 1:00:12 PM
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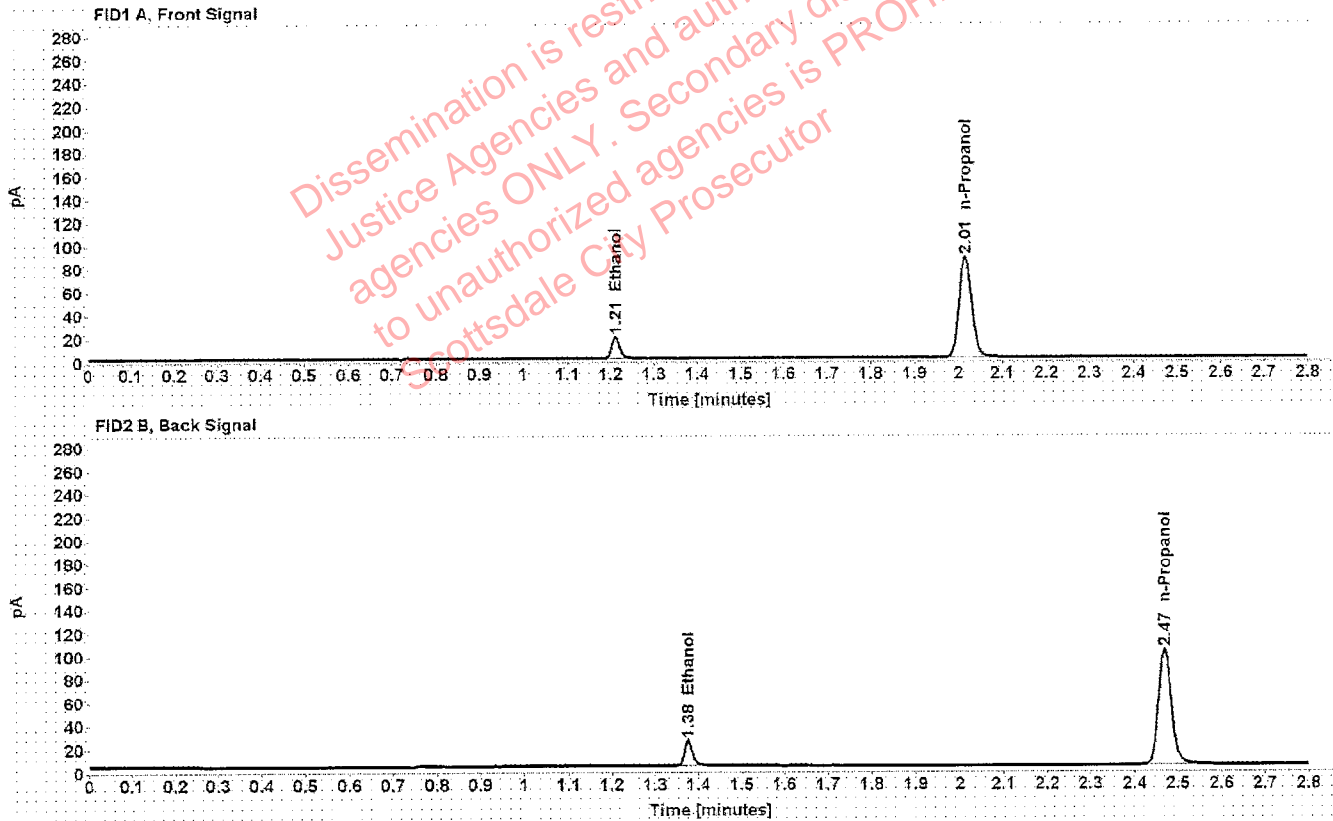


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0389	1.211	23.957
n-Propanol	-----	2.015	173.935

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

Compound	Time (min)	Peak Area
Ethanol	1.376	28.997
n-Propanol	2.469	207.301

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 1:04:12 PM
Data file: C:\Chem32\1\Data\29Oct19\44.D	Analyst: Kosecki <b>AK</b>

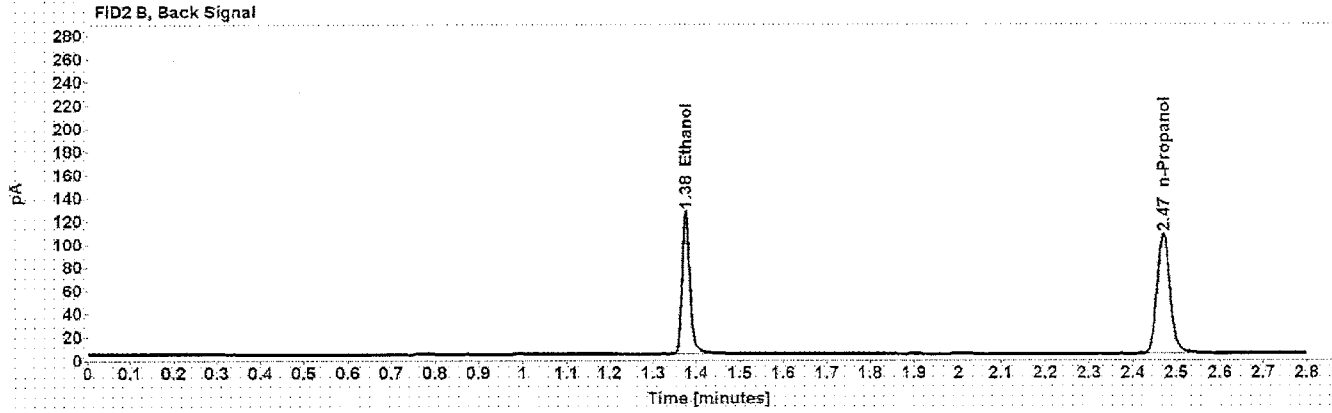
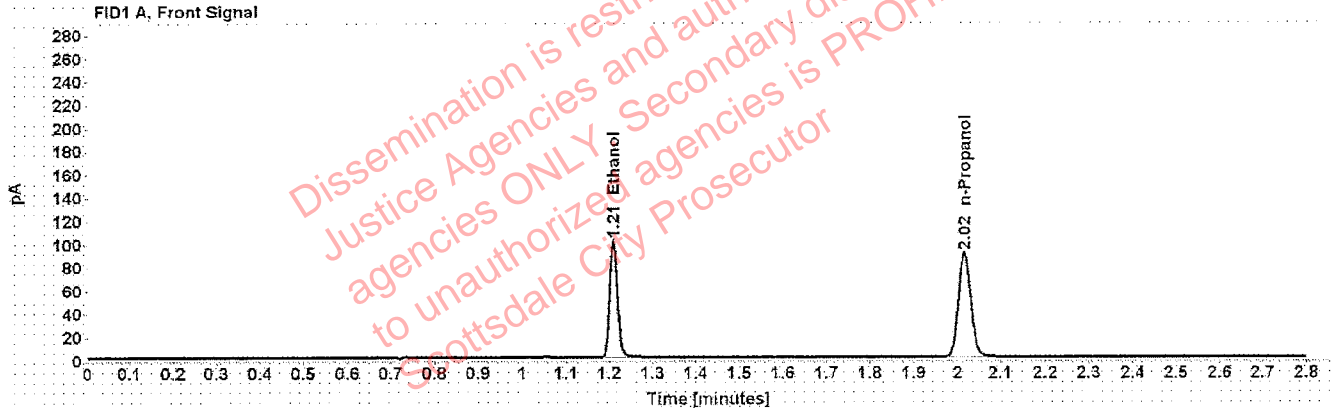


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2003	1.210	129.315
n-Propanol	-----	2.016	180.283

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

Compound	Time (min)	Peak Area
Ethanol	1.376	158.641
n-Propanol	2.470	215.222



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 1:08:12 PM
Data file: C:\Chem32\1\Data\29Oct19\45.D	Analyst: Kosecki <i>AK</i>

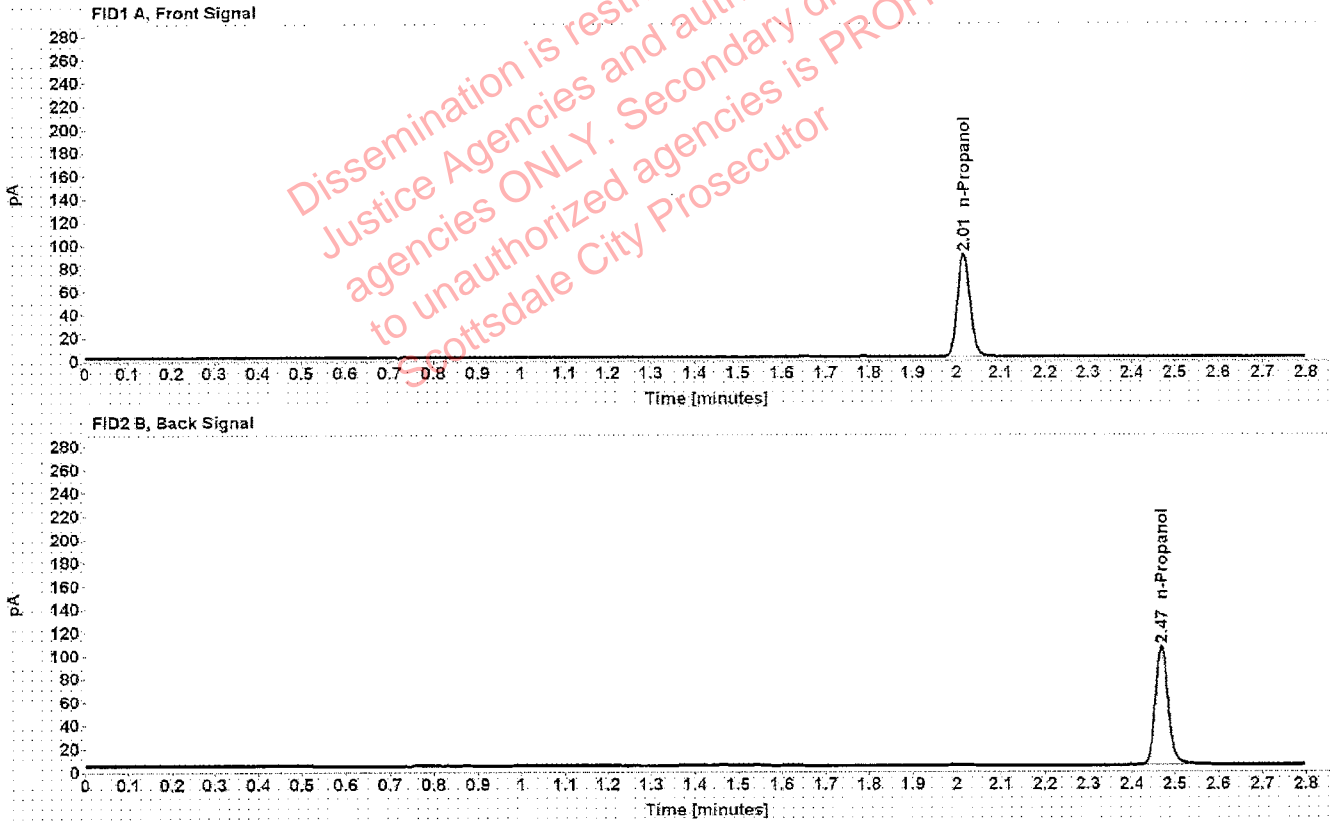


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	178.468

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	213.380

# Sequence Summary

Sequence name: 29Oct19      Instrument: US14173023 CN14160045      Analyst: Kosecki

A

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	080519	Negative	Control		ethanol quant.M
6	070819	Volatiles mix	Control		ethanol quant.M
7	08012015-C	0.400	Control		ethanol quant.M
8	09022015-A	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1286793		Sample		ethanol quant.M
11	1286793		Sample		ethanol quant.M
12	1291407		Sample		ethanol quant.M
13	1291407		Sample		ethanol quant.M
14	1291451		Sample		ethanol quant.M
15	1291451		Sample		ethanol quant.M
16	1293156		Sample		ethanol quant.M
17	1293156		Sample		ethanol quant.M
18	1293215		Sample		ethanol quant.M
19	1293215		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1291639		Sample		ethanol quant.M
22	1291639		Sample		ethanol quant.M
23	1289958		Sample		ethanol quant.M
24	1289958		Sample		ethanol quant.M
25	1294143		Sample		ethanol quant.M
26	1294143		Sample		ethanol quant.M
27	1291221		Sample		ethanol quant.M
28	1291221		Sample		ethanol quant.M
29	1292061		Sample		ethanol quant.M
30	1292061		Sample		ethanol quant.M
31	09022015-C	0.150	Control		ethanol quant.M
32	1293797		Sample		ethanol quant.M
33	1293797		Sample		ethanol quant.M
34	1294714		Sample		ethanol quant.M
35	1294714		Sample		ethanol quant.M
36	1273880		Sample		ethanol quant.M
37	1273880		Sample		ethanol quant.M
38	1294080		Sample		ethanol quant.M
39	1294080		Sample		ethanol quant.M
40	1294627		Sample		ethanol quant.M
41	1294627		Sample		ethanol quant.M
42	08012015-C	0.400	Control		ethanol quant.M
43	09022015-A	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

# Scottsdale Police Department Crime Laboratory Summary of Cases

SEQUENCE NAME: 29Oct19

ANALYST: Kosecki *AK*

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.1957	0.1950	0.19535	0.18	0.00035
12 13	0.1475	0.1474	0.14745	0.03	0.00005
14 15	0.2013	0.2009	0.20110	0.10	0.00020
16 17	0.2659	0.2689	0.26740	0.56	0.00150
18 19	0.2738	0.2743	0.27405	0.09	0.00025
21 22	0.2747	0.2755	0.27510	0.15	0.00040
23 24	0.1652	0.1657	0.16545	0.15	0.00025
25 26	0.2094	0.2051	0.20725	1.04	0.00215
27 28	0.2952	0.2936	0.29440	0.27	0.00080
29 30	0.1805	0.1800	0.18025	0.14	0.00025
32 33	0.0572	0.0570	0.05710	0.18	0.00010
34 35	0.2936	0.2929	0.29325	0.12	0.00035
36 37	0.1221	0.1201	0.12110	0.83	0.00100
38 39	0.1765	0.1732	0.17485	0.94	0.00165
40 41	0.2425	0.2429	0.24270	0.08	0.00020

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



Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1286793	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:46:41 AM
Data file:	C:\Chem32\1\Data\29Oct19\10.D	Analyst:	Kosecki

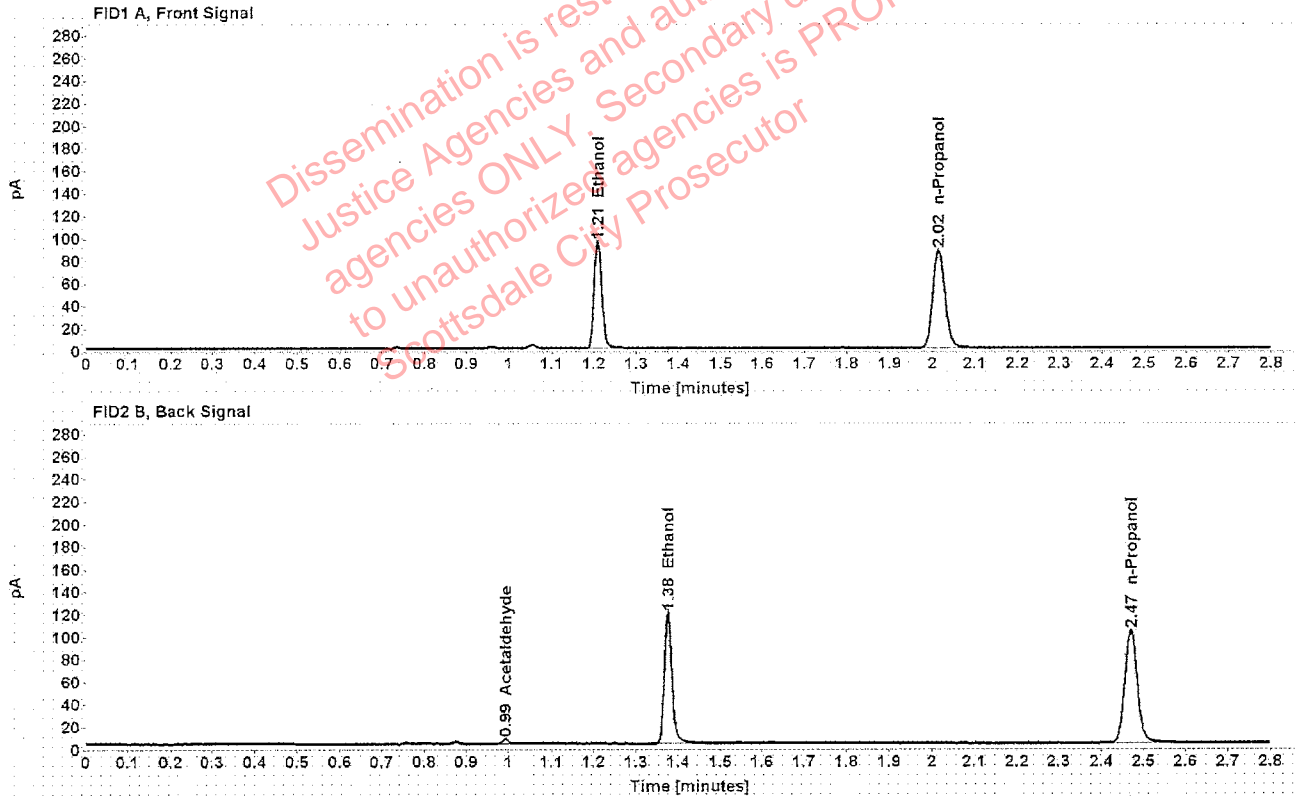


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1957	1.209	121.914
n-Propanol	-----	2.015	173.911

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.956
Ethanol	1.375	150.529
n-Propanol	2.469	207.649

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1286793	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:50:42 AM
Data file:	C:\Chem32\11\Data\29Oct19\11.D	Analyst:	Kosecki

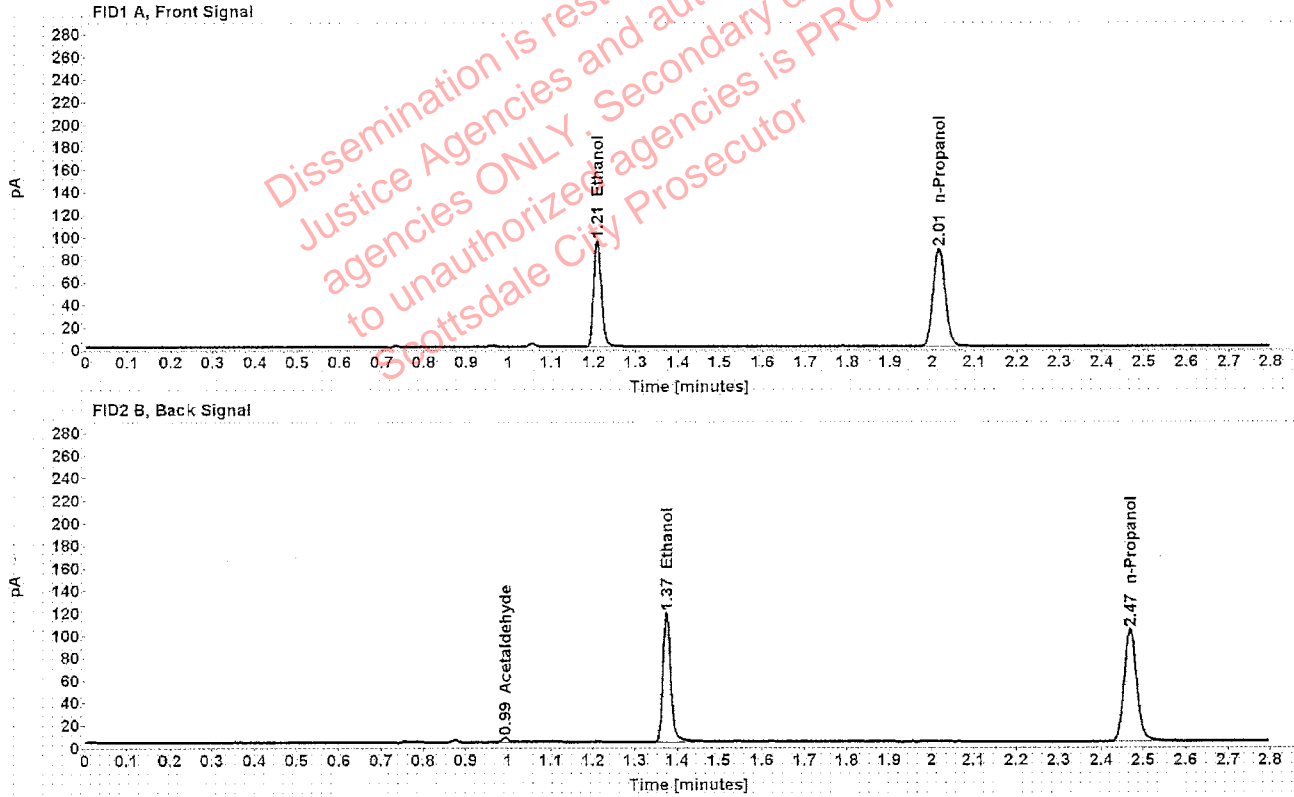


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1950	1.209	121.213
n-Propanol	-----	2.015	173.540

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.942
Ethanol	1.374	149.810
n-Propanol	2.469	207.399

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291407	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:54:42 AM
Data file:	C:\Chem32\1\Data\29Oct19\12.D	Analyst:	Kosecki

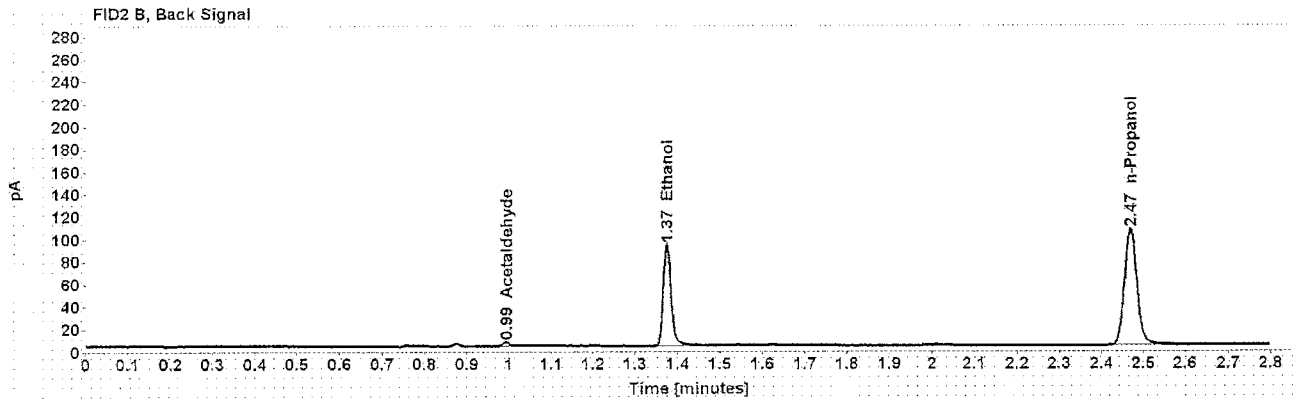
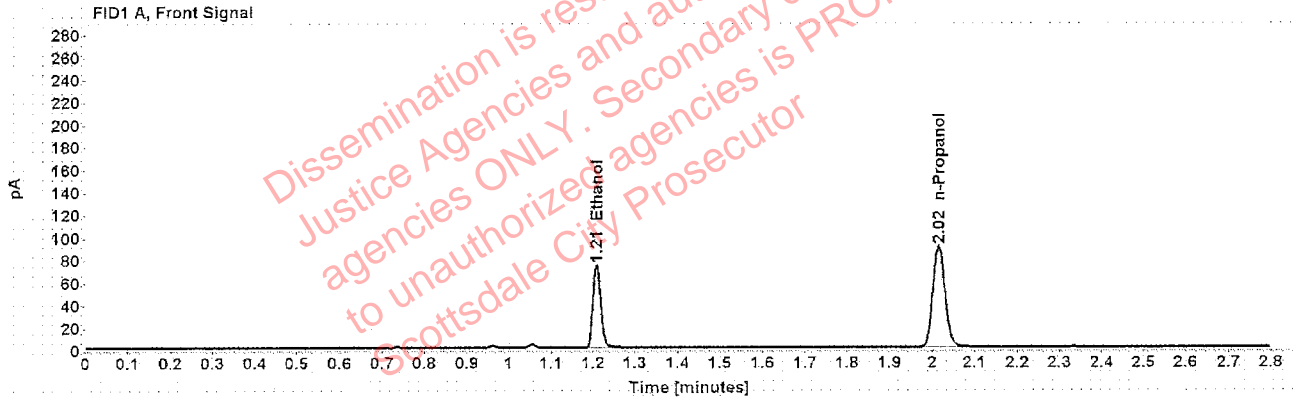


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1475	1.209	94.471
n-Propanol	-----	2.015	179.049

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.777
Ethanol	1.375	116.855
n-Propanol	2.469	214.231

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291407	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 10:58:57 AM
Data file:	C:\Chem32\1\Data\29Oct19\13.D	Analyst:	Kosecki

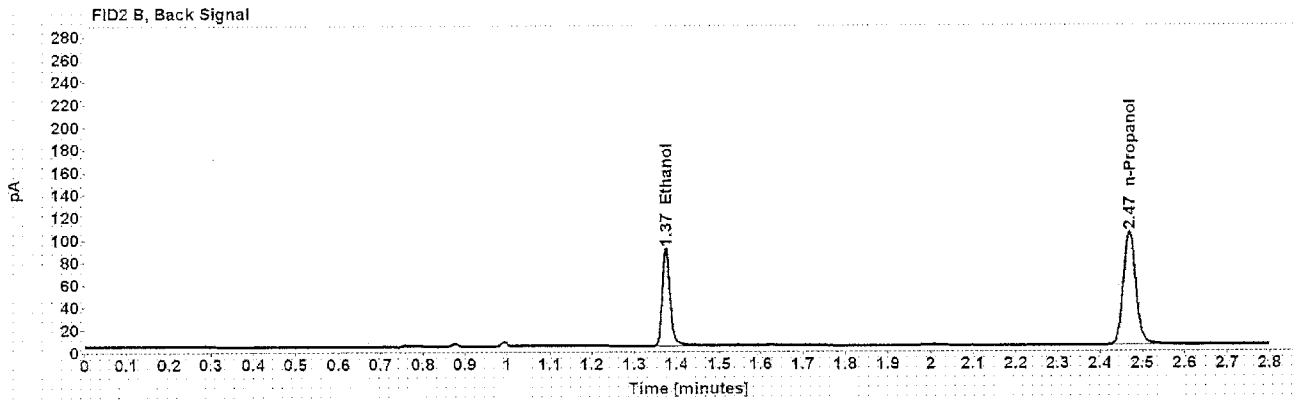
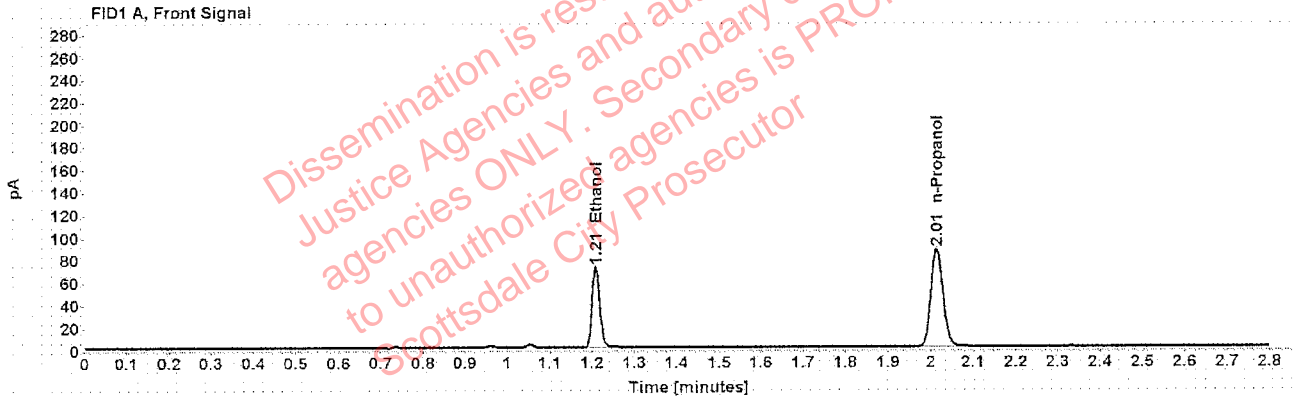


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1474	1.209	91.820
n-Propanol	-----	2.015	174.105

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

Compound	Time (min)	Peak Area
Ethanol	1.374	113.477
n-Propanol	2.469	208.415



[REDACTED] : Kosecki, Patrick Allan - (29-Oct-2019)

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291451	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:02:56 AM
Data file:	C:\Chem32\1\Data\29Oct19\14.D	Analyst:	Kosecki

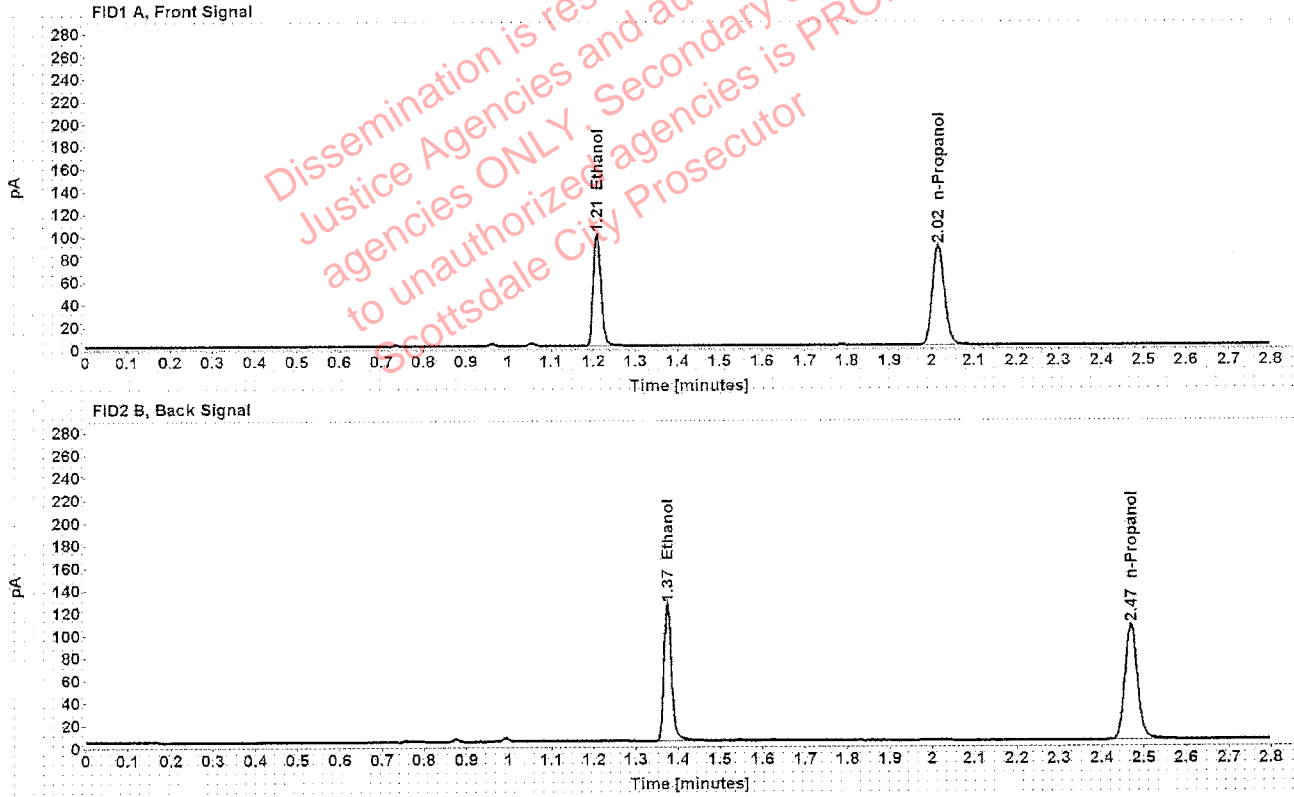


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2013	1.209	127.514
n-Propanol	-----	2.015	176.893

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

Compound	Time (min)	Peak Area
Ethanol	1.375	157.349
n-Propanol	2.469	211.774

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291451	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:06:57 AM
Data file:	C:\Chem32\1\Data\29Oct19\15.D	Analyst:	Kosecki

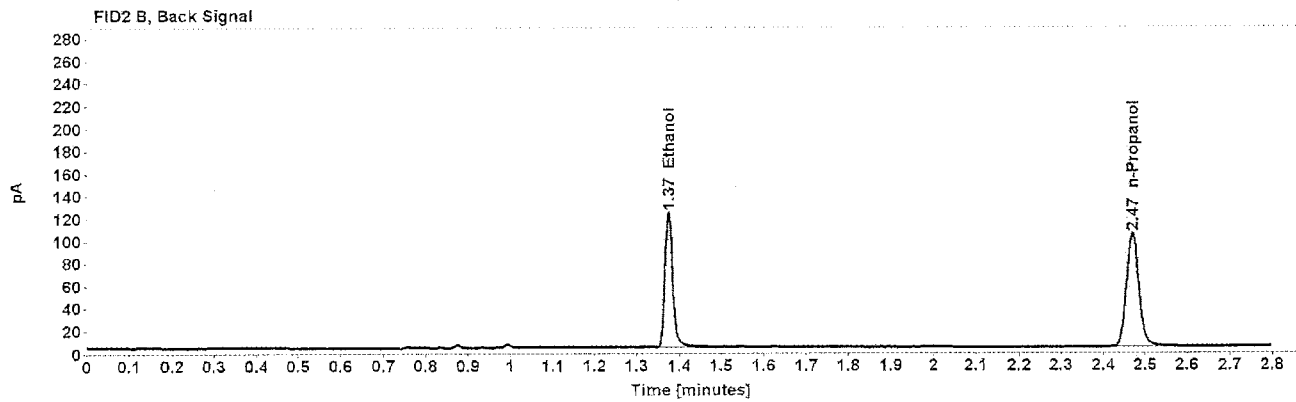
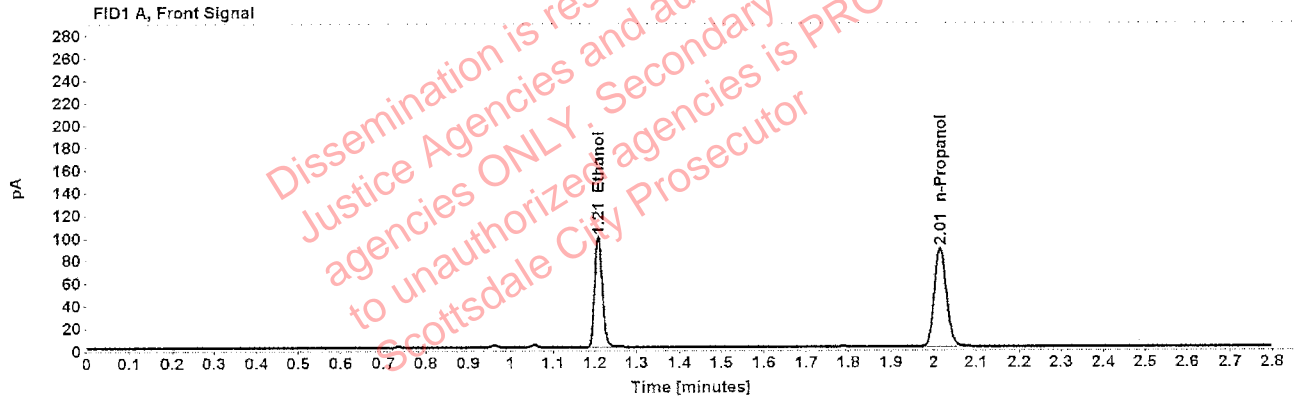


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2009	1.209	126.087
n-Propanol	-----	2.015	175.205

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

Compound	Time (min)	Peak Area
Ethanol	1.375	155.857
n-Propanol	2.469	209.315

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293156	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:10:57 AM
Data file:	C:\Chem32\1\Data\29Oct19\16.D	Analyst:	Kosecki

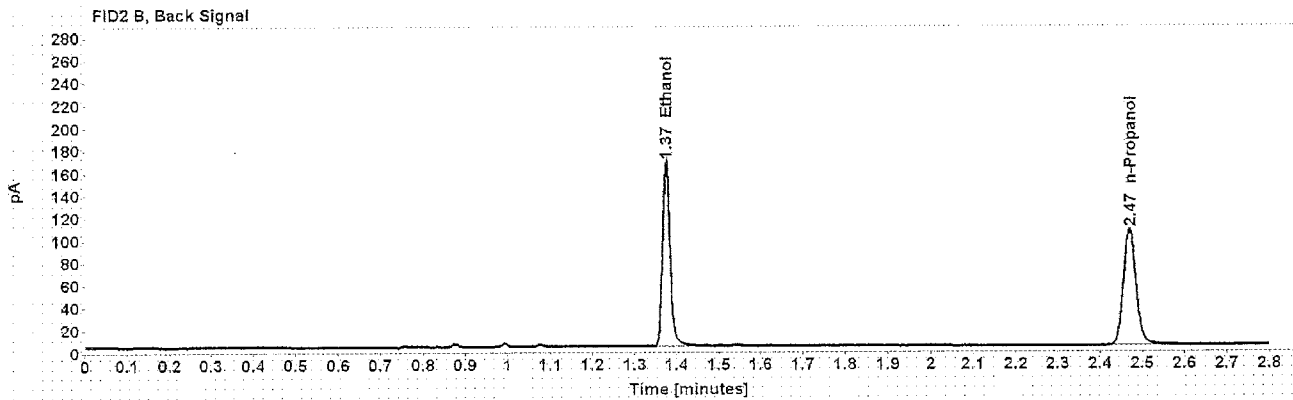
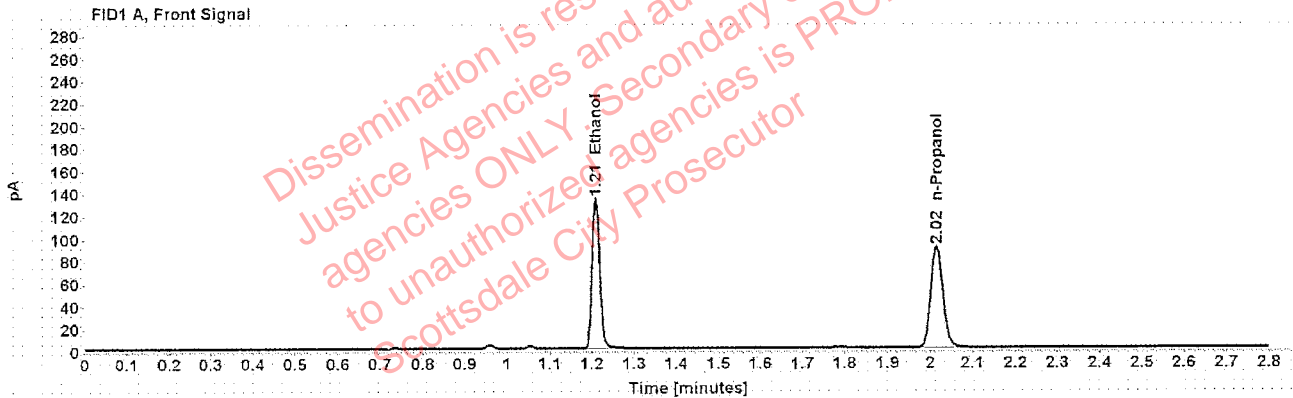


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2659	1.209	171.413
n-Propanol	-----	2.015	179.856

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

Compound	Time (min)	Peak Area
Ethanol	1.375	212.140
n-Propanol	2.469	216.394

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293156	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:14:57 AM
Data file:	C:\Chem32\1\Data\29Oct19\17.D	Analyst:	Kosecki

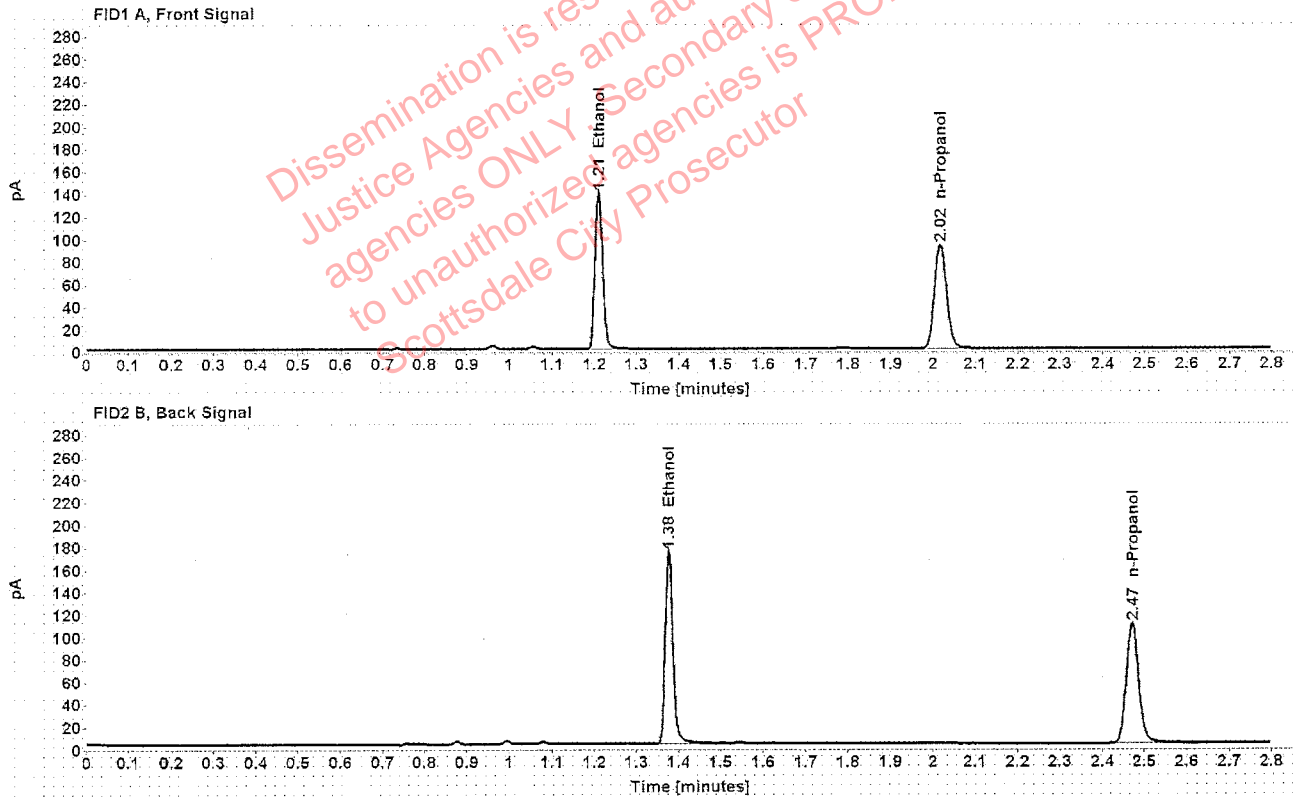


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2689	1.210	178.447
n-Propanol	-----	2.016	185.180

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

Compound	Time (min)	Peak Area
Ethanol	1.377	220.444
n-Propanol	2.471	221.270

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293215	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:18:56 AM
Data file:	C:\Chem32\1\Data\29Oct19\18.D	Analyst:	Kosecki

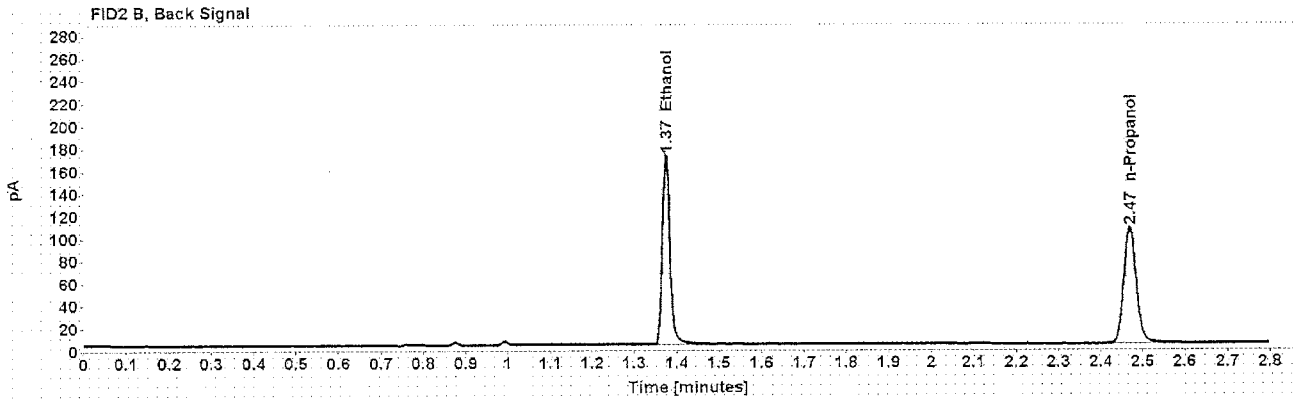
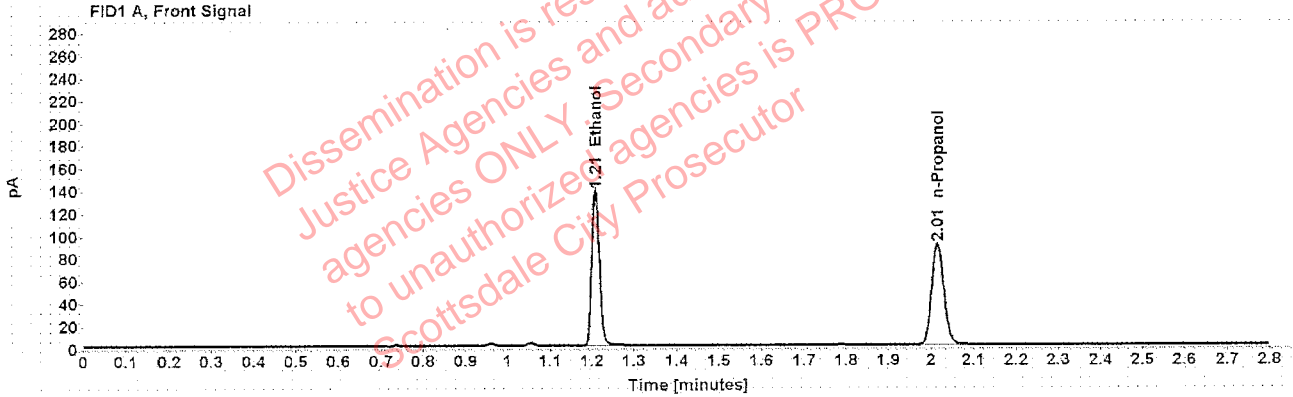


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2738	1.209	175.978
n-Propanol	-----	2.015	179.296

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

Compound	Time (min)	Peak Area
Ethanol	1.374	217.218
n-Propanol	2.469	213.746

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1293215	Vial: 19
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 29Oct19
Instrument: US14173023 CN14160045	Injection date: 10/29/2019 11:23:12 AM
Data file: C:\Chem32\1\Data\29Oct19\19.D	Analyst: Kosecki

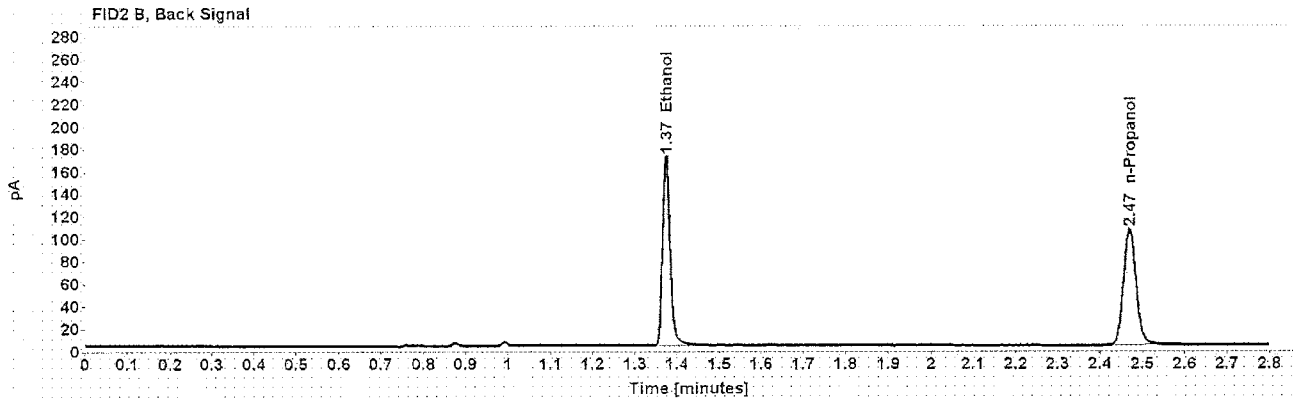
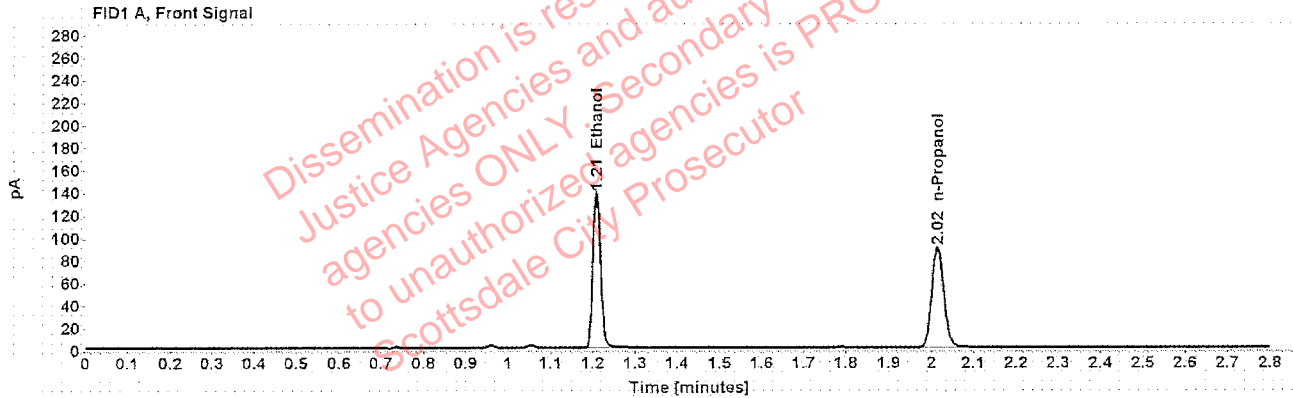


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2743	1.209	175.976
n-Propanol	-----	2.015	178.990

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

Compound	Time (min)	Peak Area
Ethanol	1.374	217.481
n-Propanol	2.469	213.420

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291639	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:31:12 AM
Data file:	C:\Chem32\1\Data\29Oct19\21.D	Analyst:	Kosecki

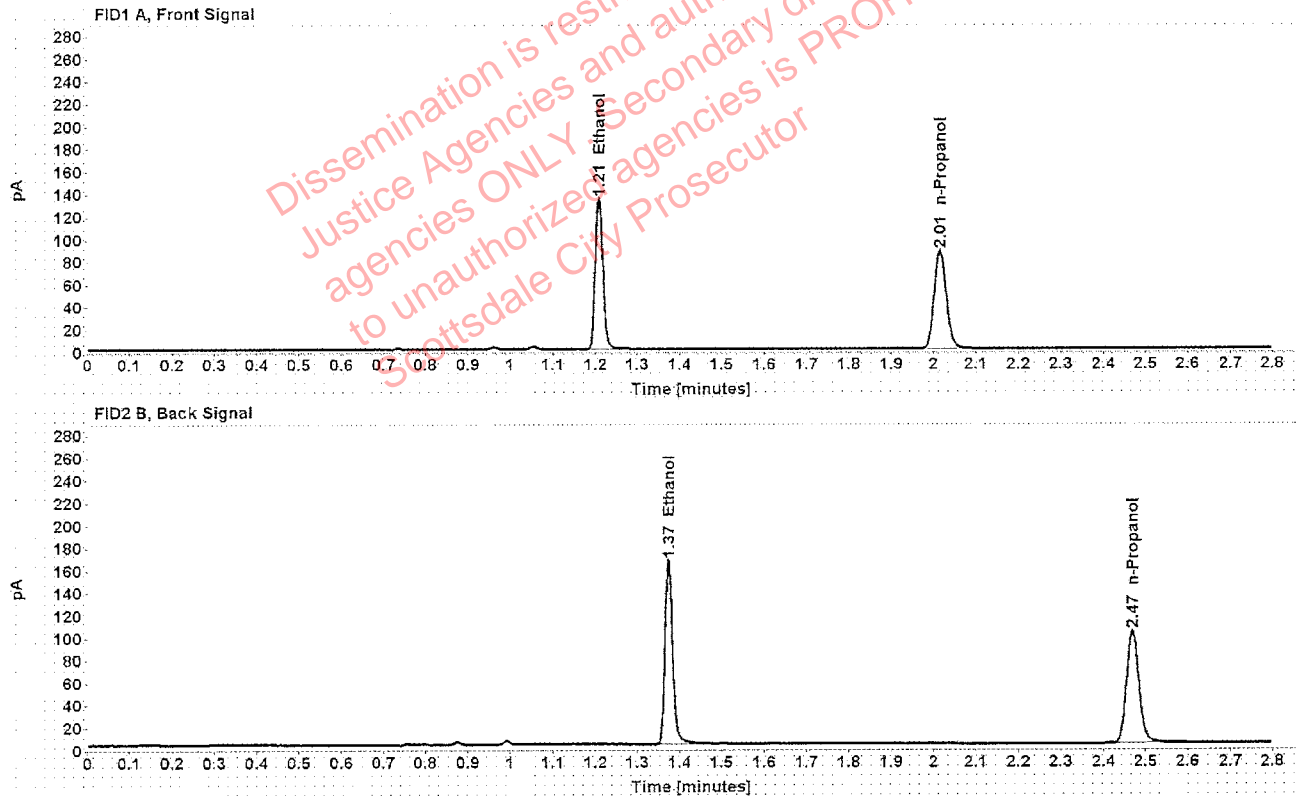


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2747	1.209	171.000
n-Propanol	-----	2.015	173.663

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

Compound	Time (min)	Peak Area
Ethanol	1.374	211.419
n-Propanol	2.469	206.579

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291639	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:35:12 AM
Data file:	C:\Chem32\1\Data\29Oct19\22.D	Analyst:	Kosecki

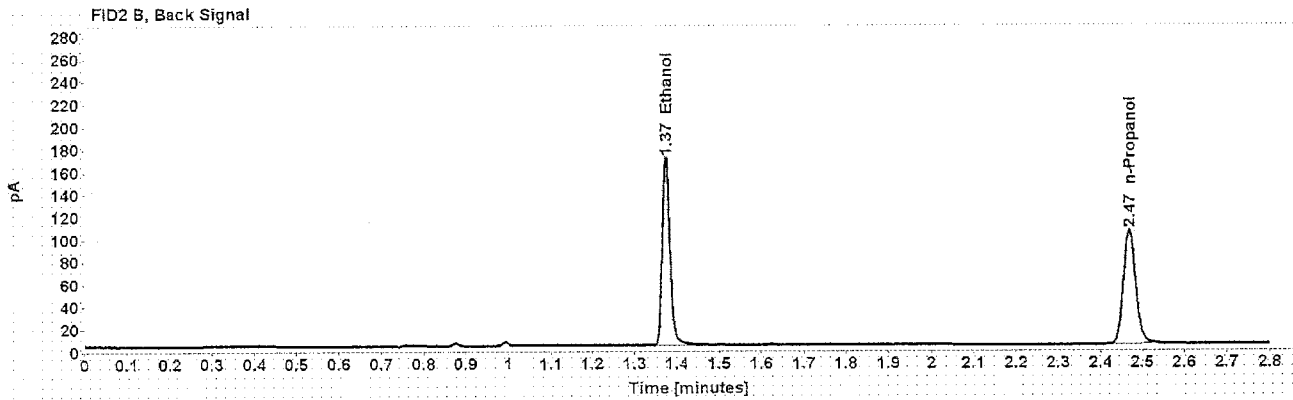
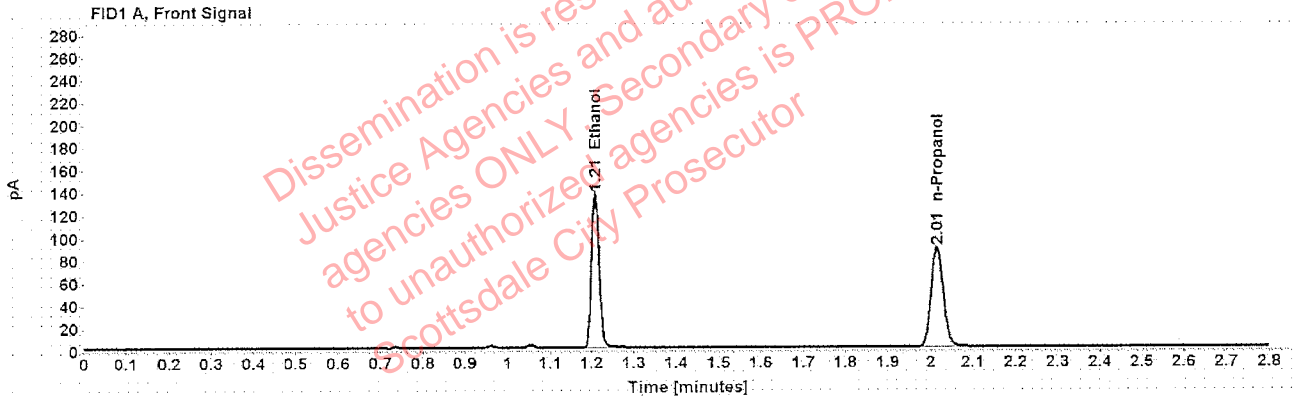


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2755	1.209	174.409
n-Propanol	-----	2.015	176.599

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

Compound	Time (min)	Peak Area
Ethanol	1.374	215.232
n-Propanol	2.468	210.453



Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289958	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:39:12 AM
Data file:	C:\Chem32\11\Data\29Oct19\23.D	Analyst:	Kosecki

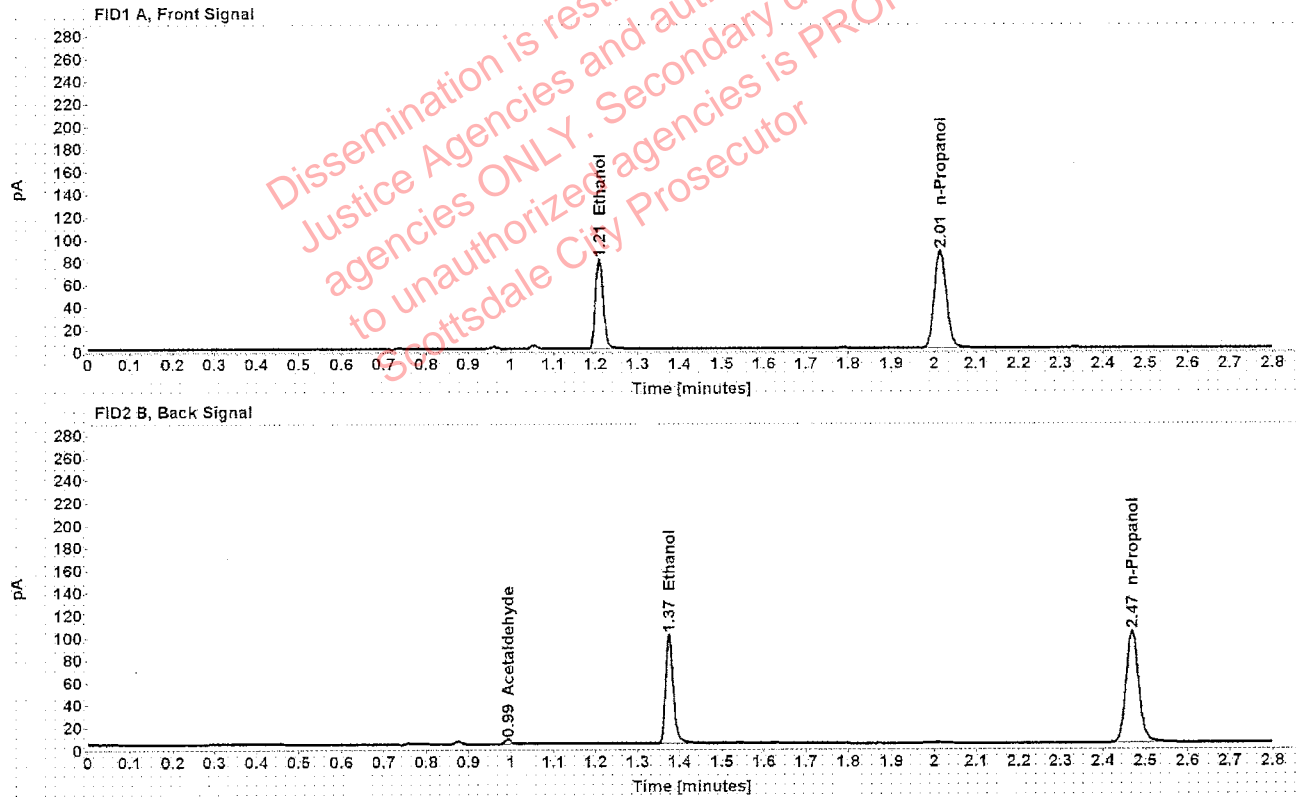


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1652	1.209	102.367
n-Propanol	-----	2.015	173.080

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.240
Ethanol	1.374	126.651
n-Propanol	2.468	207.005

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1289958	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:43:11 AM
Data file:	C:\Chem321\1\Data\29Oct19\24.D	Analyst:	Kosecki

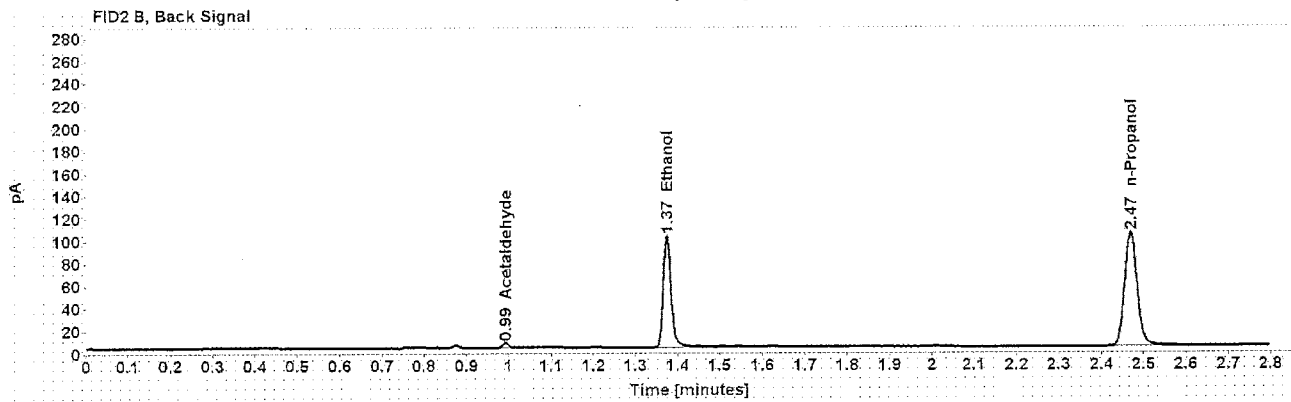
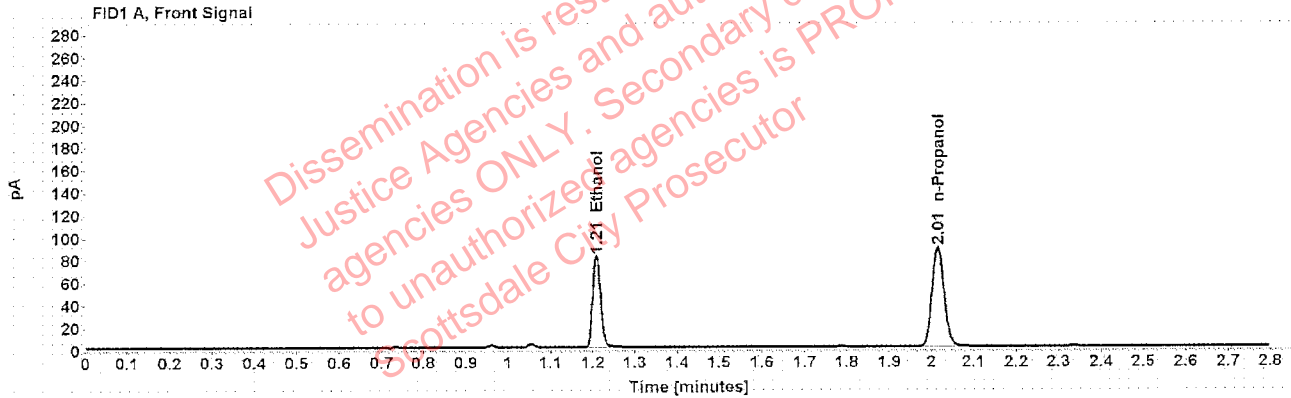


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1657	1.209	104.376
n-Propanol	-----	2.015	176.035

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.350
Ethanol	1.374	129.085
n-Propanol	2.469	211.026

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294143	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:47:27 AM
Data file:	C:\Chem32\1\Data\29Oct19\25.D	Analyst:	Kosecki

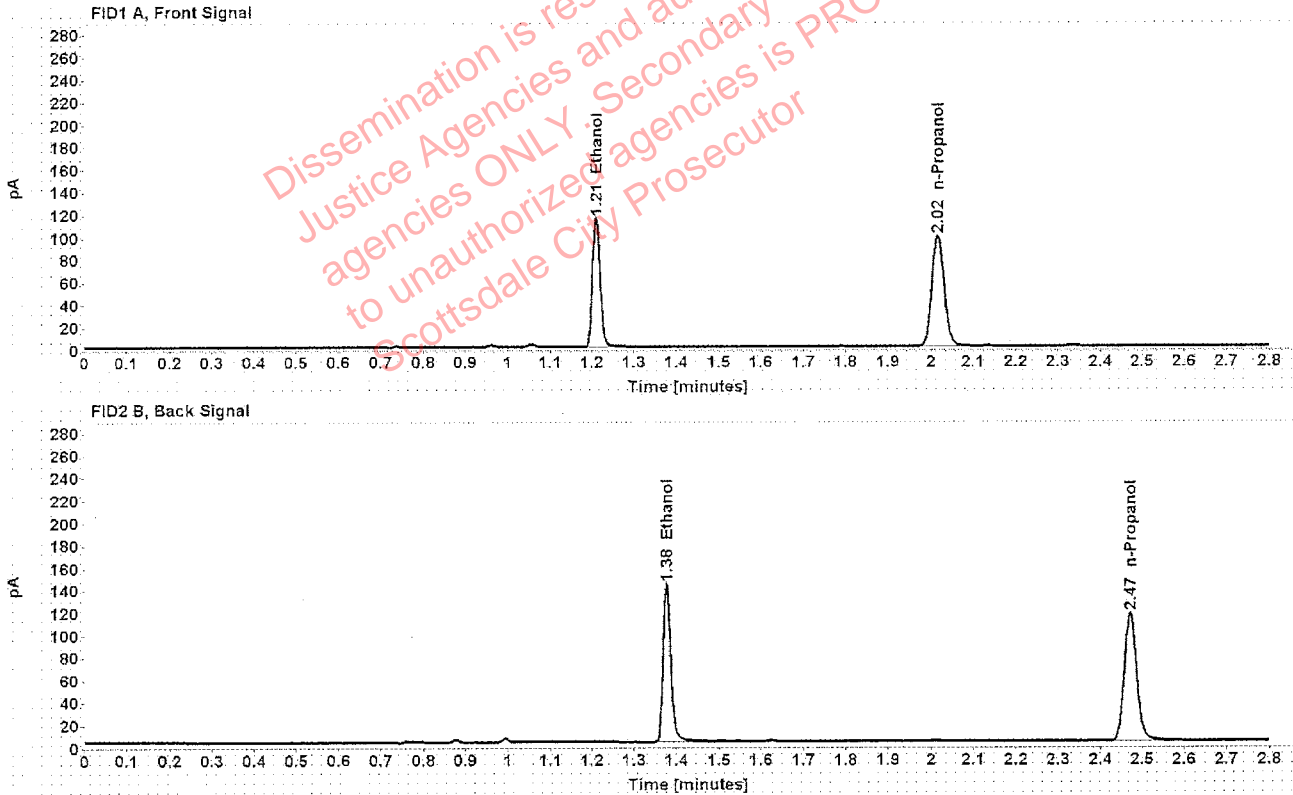


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2094	1.211	147.695
n-Propanol	-----	2.017	196.870

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

Compound	Time (min)	Peak Area
Ethanol	1.377	182.105
n-Propanol	2.471	237.371

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294143	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:51:27 AM
Data file:	C:\Chem32\1\Data\29Oct19\26.D	Analyst:	Kosecki

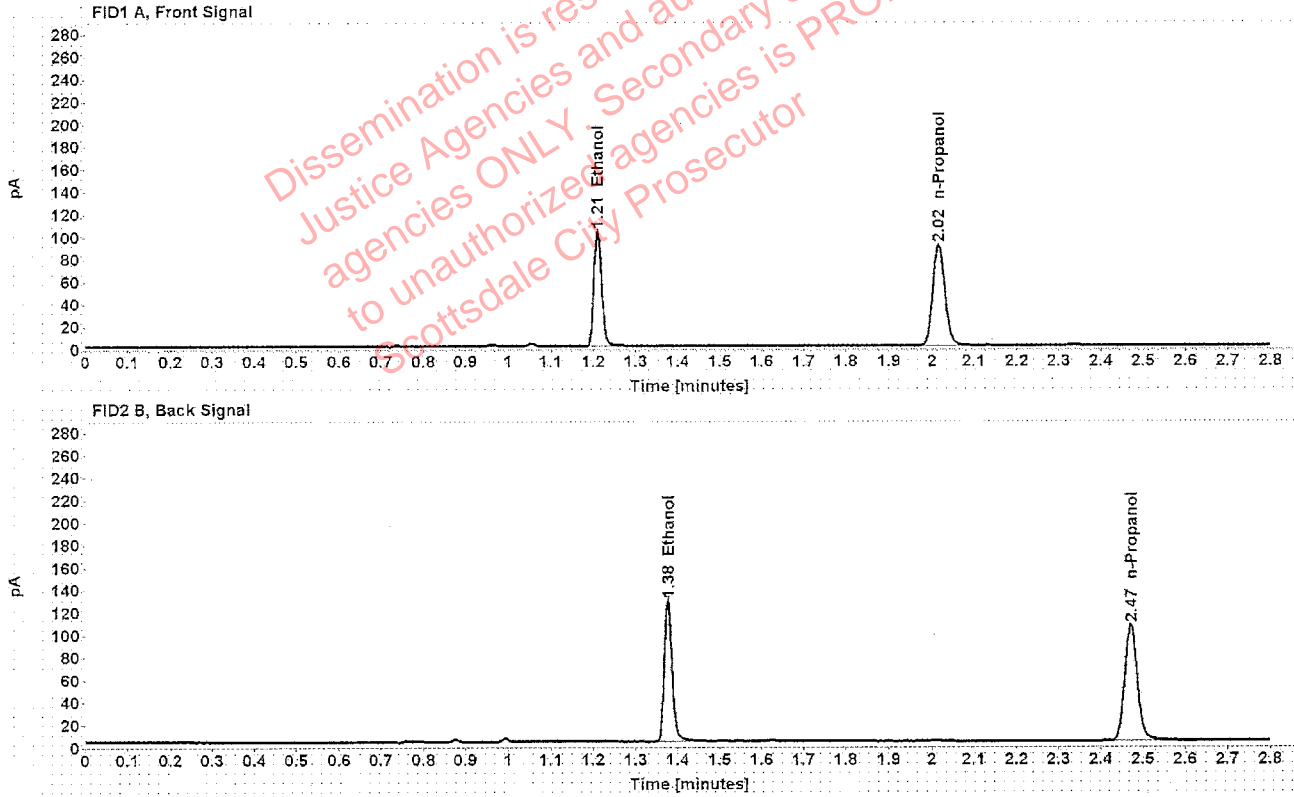


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2051	1.210	131.804
n-Propanol	-----	2.016	179.421

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.013
n-Propanol	2.471	214.778

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291221	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:55:26 AM
Data file:	C:\Chem32\11\Data\29Oct19\27.D	Analyst:	Kosecki

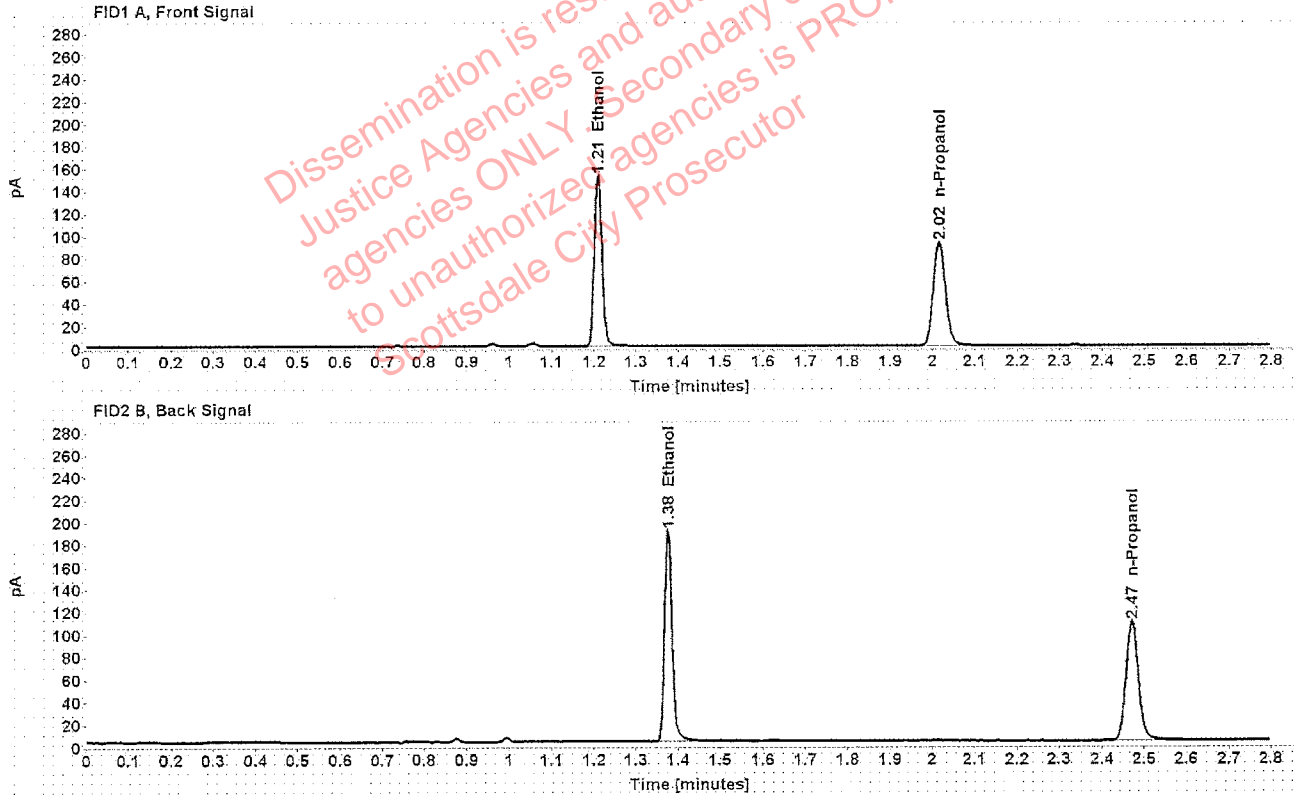


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2952	1.209	194.572
n-Propanol	-----	2.016	183.889

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

Compound	Time (min)	Peak Area
Ethanol	1.376	240.420
n-Propanol	2.470	220.103

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1291221	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 11:59:27 AM
Data file:	C:\Chem32\1\Data\29Oct19\28.D	Analyst:	Kosecki

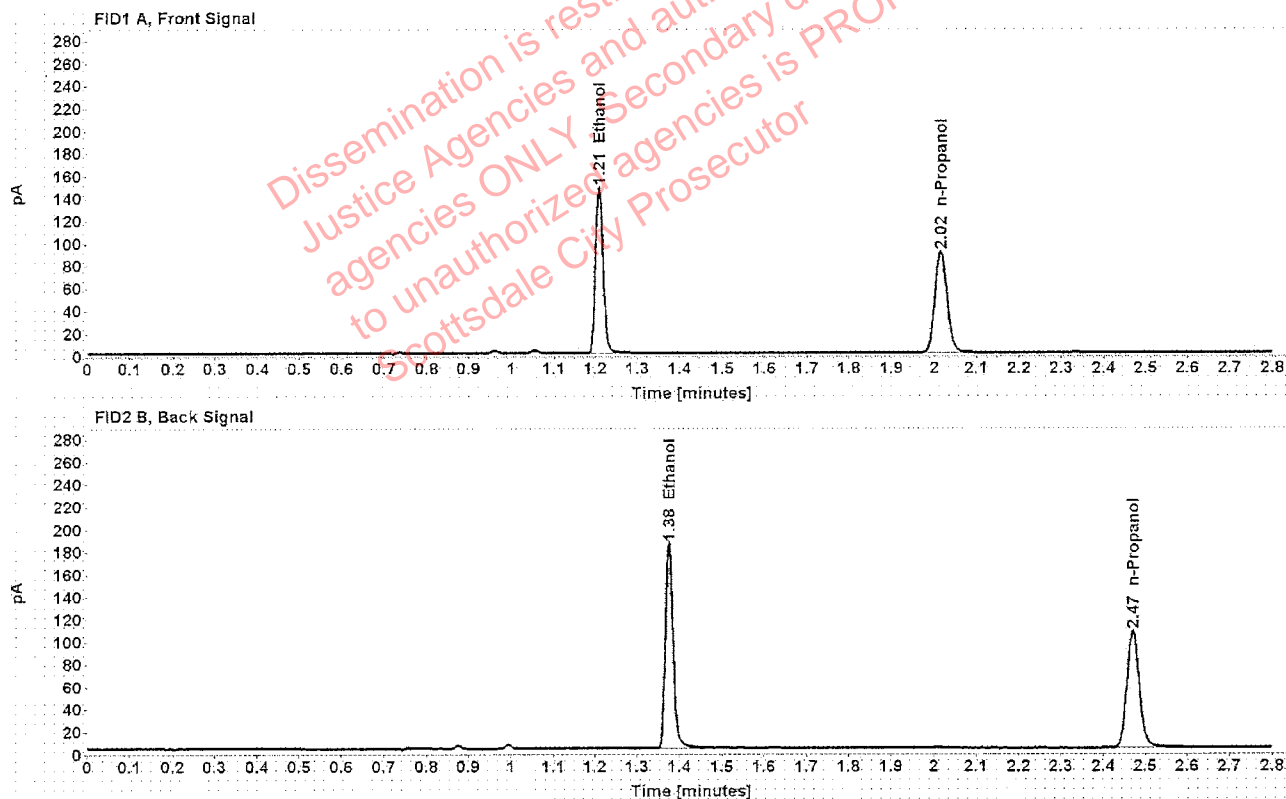


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2936	1.209	189.180
n-Propanol	-----	2.016	179.732

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

Compound	Time (min)	Peak Area
Ethanol	1.375	233.822
n-Propanol	2.470	215.308

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292061	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:03:27 PM
Data file:	C:\Chem32\1\Data\29Oct19\29.D	Analyst:	Kosecki

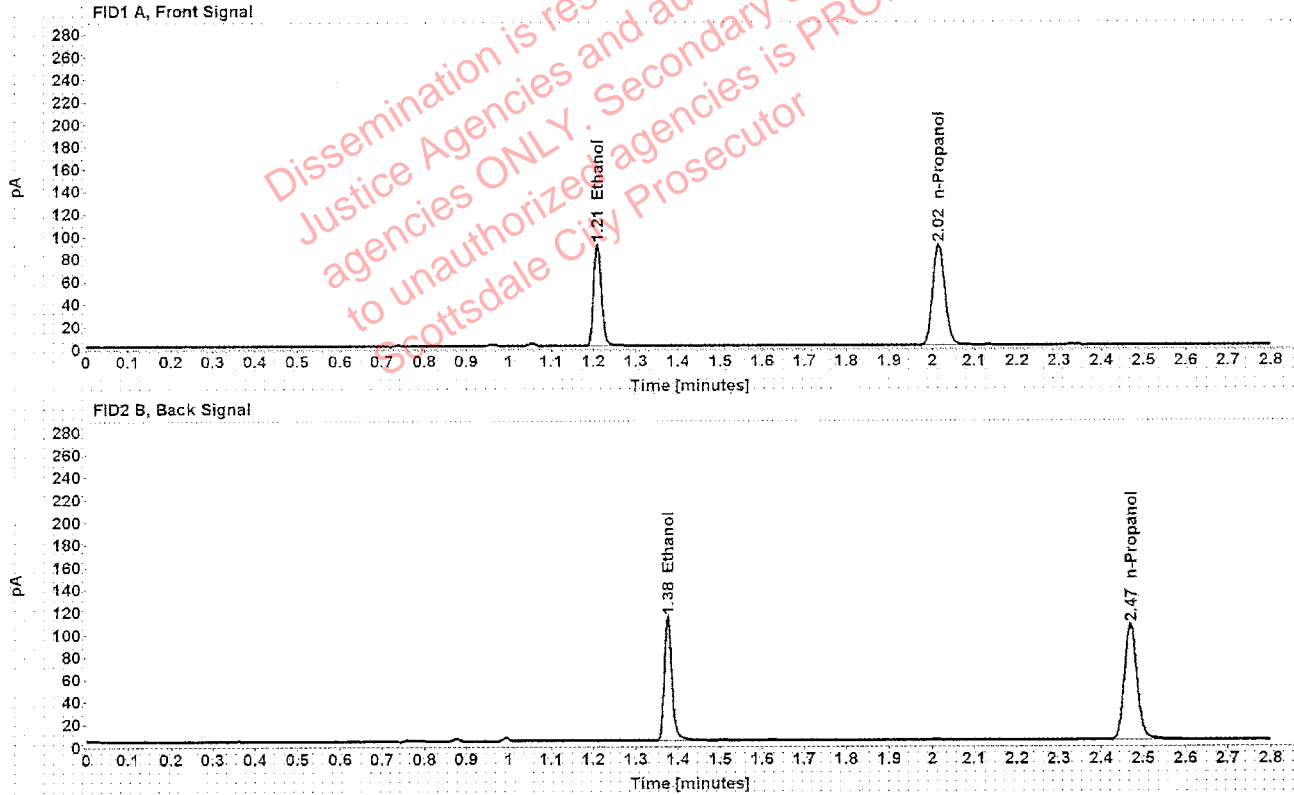


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1805	1.209	115.398
n-Propanol	-----	2.015	178.543

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

Compound	Time (min)	Peak Area
Ethanol	1.375	142.560
n-Propanol	2.469	213.941

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292061	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:07:27 PM
Data file:	C:\Chem32\1\Data\29Oct19\30.D	Analyst:	Kosecki

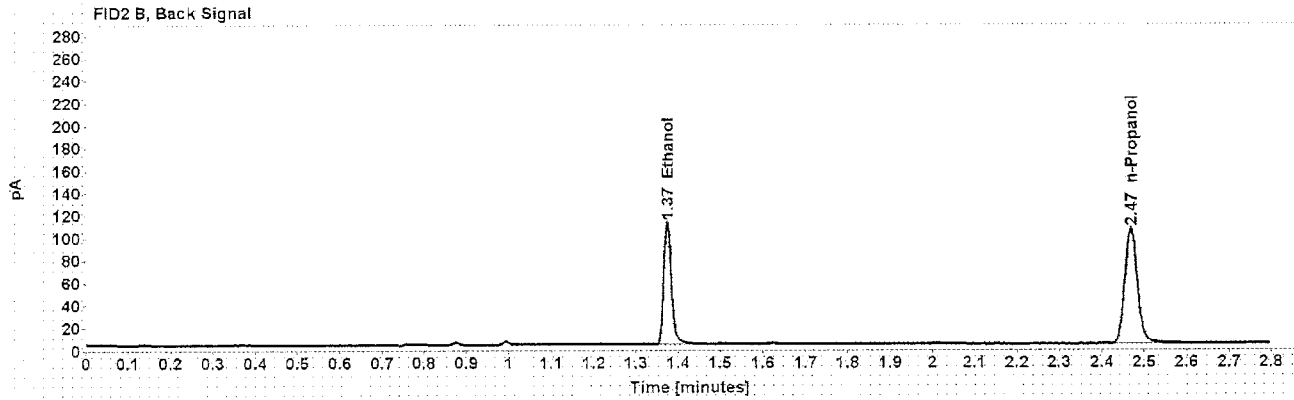
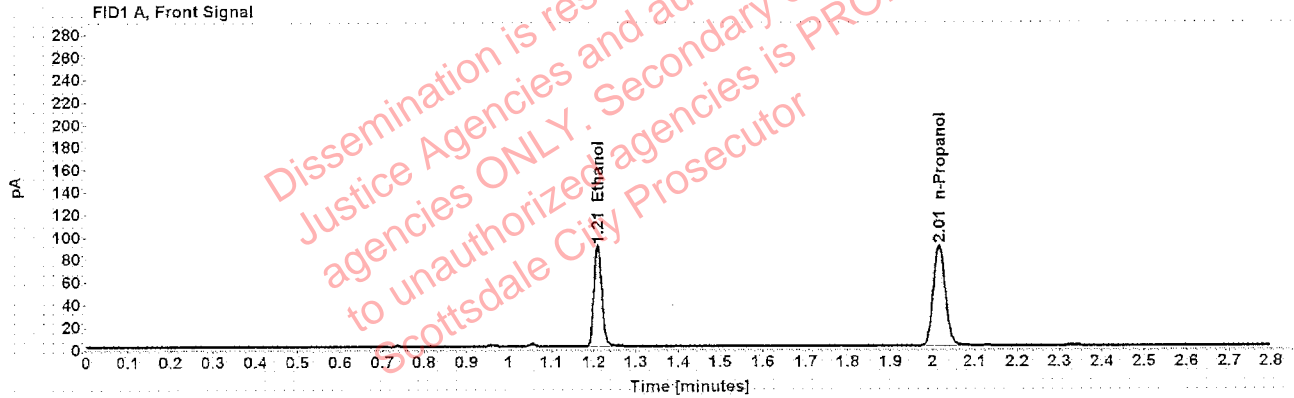


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1800	1.209	114.762
n-Propanol	-----	2.015	178.119

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

Compound	Time (min)	Peak Area
Ethanol	1.374	141.771
n-Propanol	2.468	213.183



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293797	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:15:42 PM
Data file:	C:\Chem32\1\Data\29Oct19\32.D	Analyst:	Kosecki

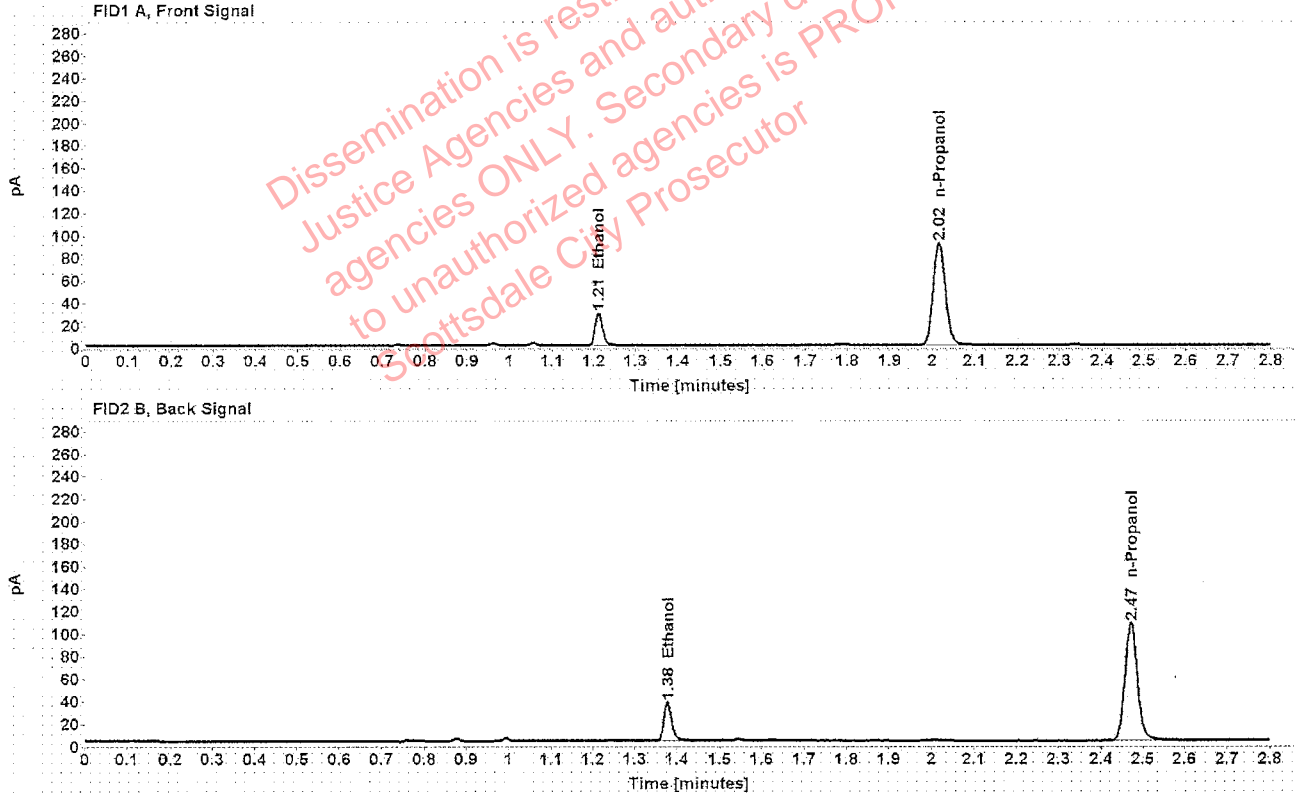


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0572	1.212	36.903
n-Propanol	-----	2.016	181.557

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

Compound	Time (min)	Peak Area
Ethanol	1.378	45.048
n-Propanol	2.471	217.474

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1293797	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:19:42 PM
Data file:	C:\Chem32\1\Data\29Oct19\33.D	Analyst:	Kosecki

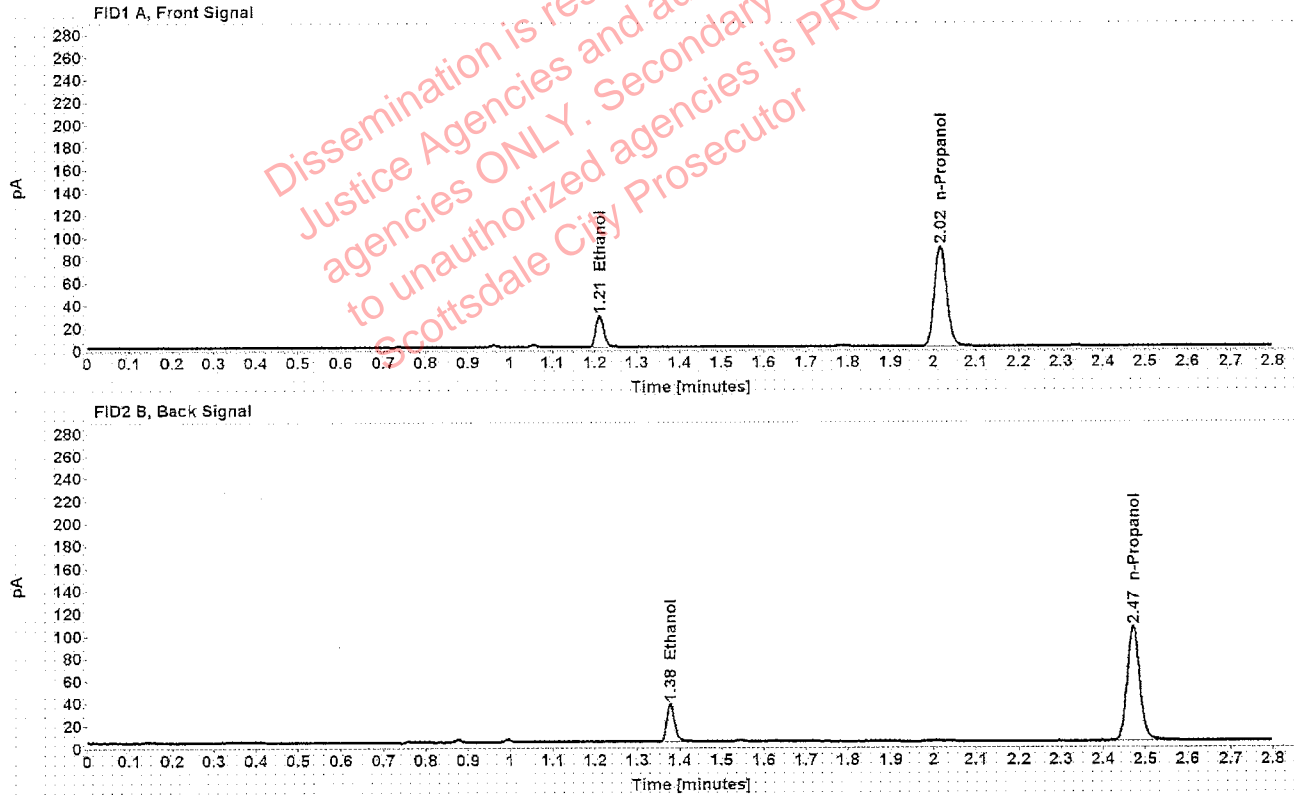


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0570	1.212	35.905
n-Propanol	-----	2.016	177.306

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

Compound	Time (min)	Peak Area
Ethanol	1.378	43.431
n-Propanol	2.471	212.005

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294714	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:23:41 PM
Data file:	C:\Chem32\1\Data\29Oct19\34.D	Analyst:	Kosecki

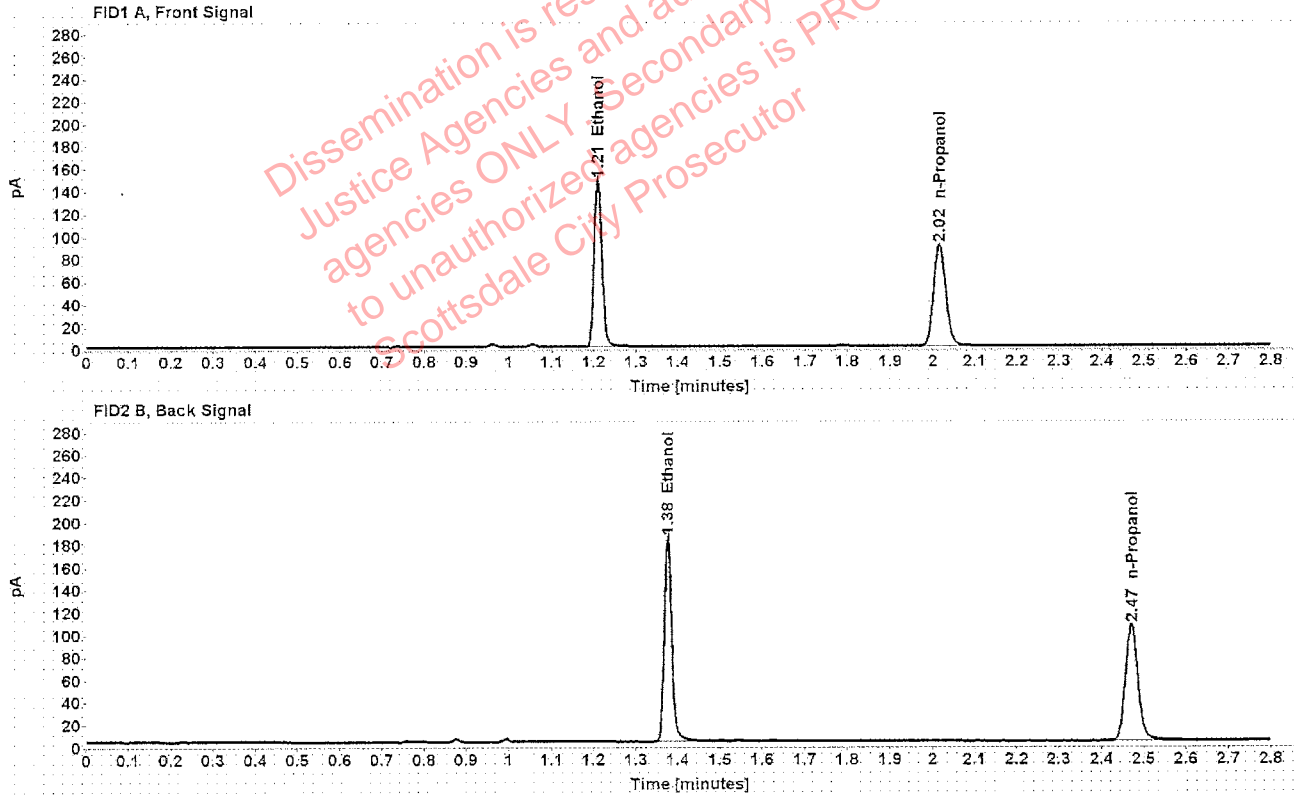


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2936	1.210	189.005
n-Propanol	-----	2.016	179.601

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

Compound	Time (min)	Peak Area
Ethanol	1.376	233.616
n-Propanol	2.471	214.093

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294714	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:27:42 PM
Data file:	C:\Chem32\1\Data\29Oct19\35.D	Analyst:	Kosecki

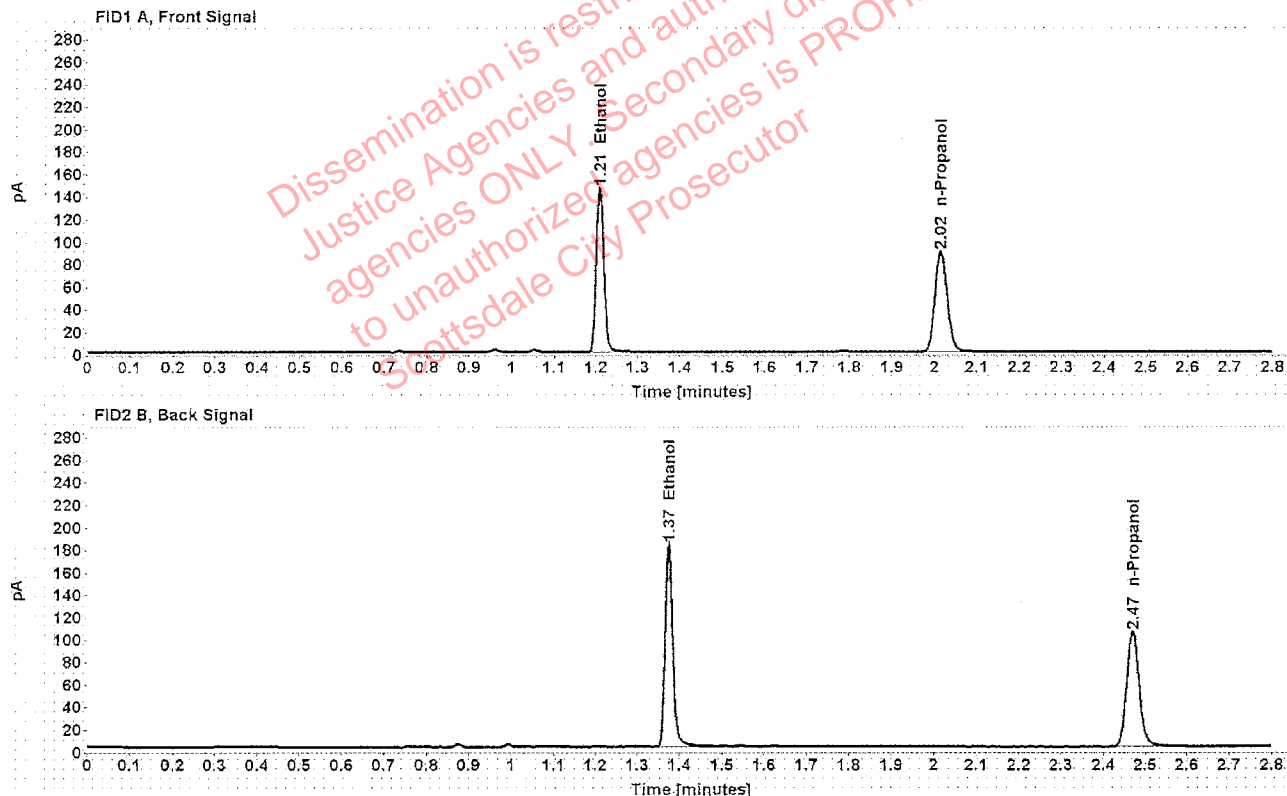


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2929	1.209	186.441
n-Propanol	-----	2.015	177.586

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

Compound	Time (min)	Peak Area
Ethanol	1.375	230.467
n-Propanol	2.470	212.812

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1273880	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:31:42 PM
Data file:	C:\Chem32\1\Data\29Oct19\36.D	Analyst:	Kosecki

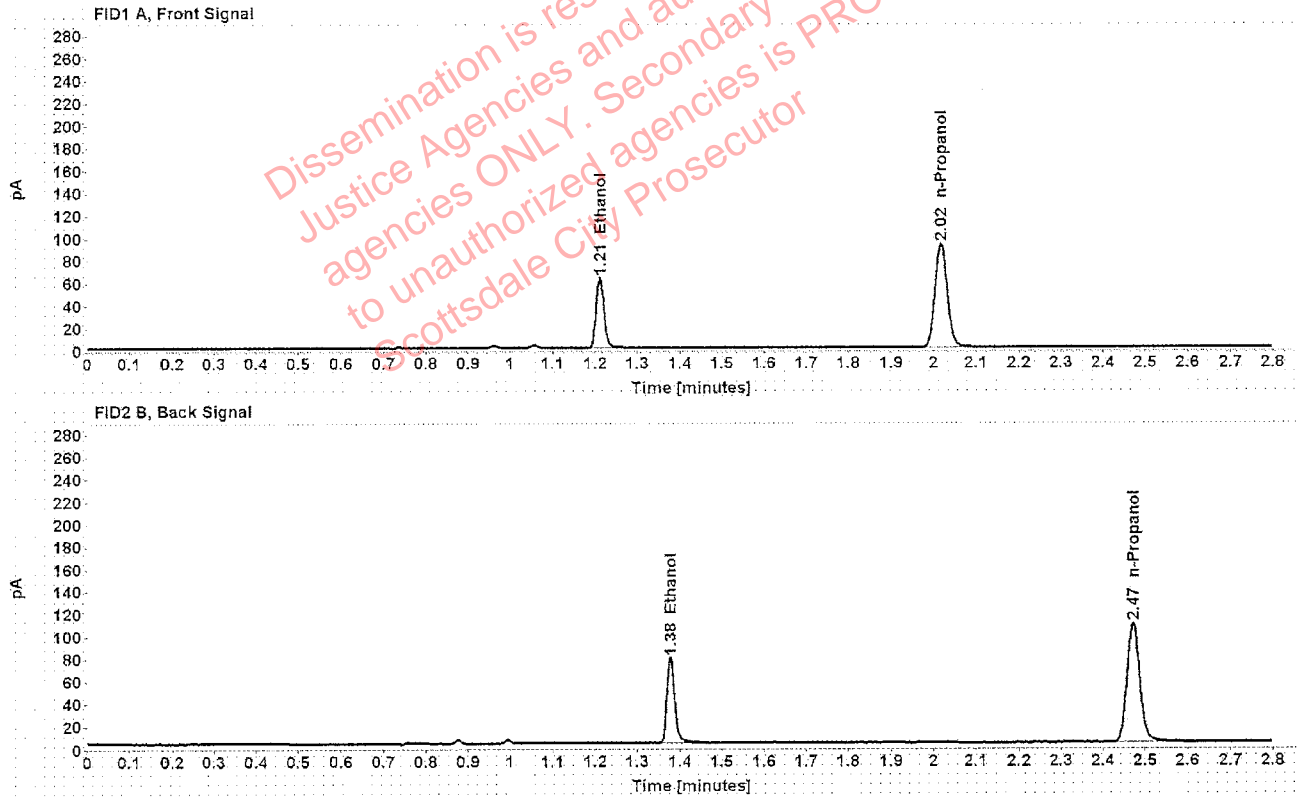


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1221	1.211	80.529
n-Propanol	-----	2.017	184.437

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

Compound	Time (min)	Peak Area
Ethanol	1.378	99.684
n-Propanol	2.471	220.940

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1273880	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:35:57 PM
Data file:	C:\Chem32\1\Data\29Oct19\37.D	Analyst:	Kosecki

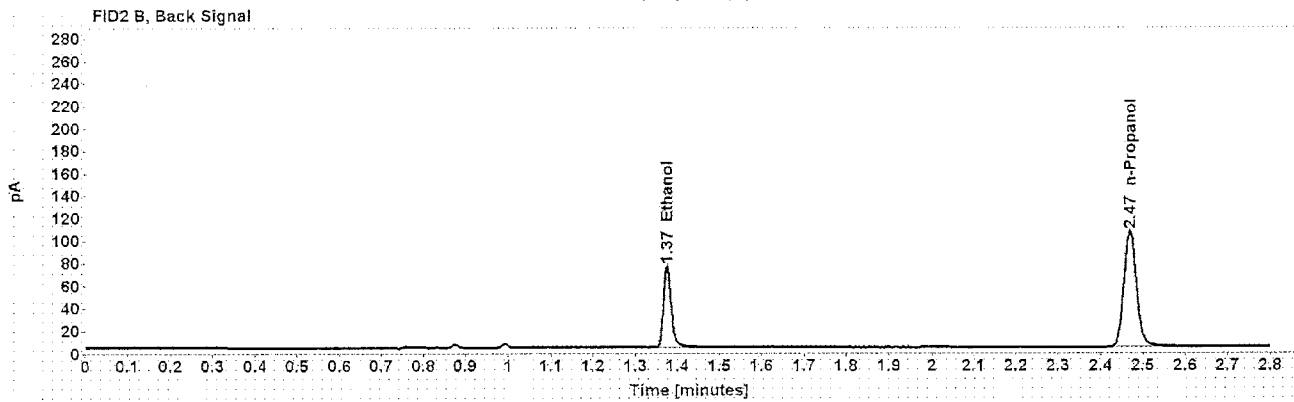
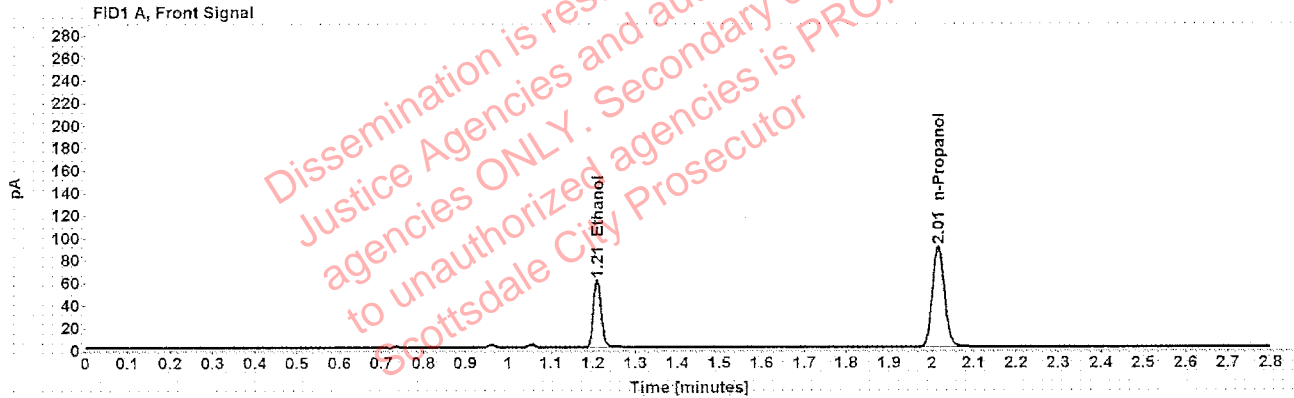


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1201	1.210	77.121
n-Propanol	-----	2.015	179.597

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

Compound	Time (min)	Peak Area
Ethanol	1.375	95.692
n-Propanol	2.469	215.231

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294080	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:39:57 PM
Data file:	C:\Chem32\1\Data\29Oct19\38.D	Analyst:	Kosecki

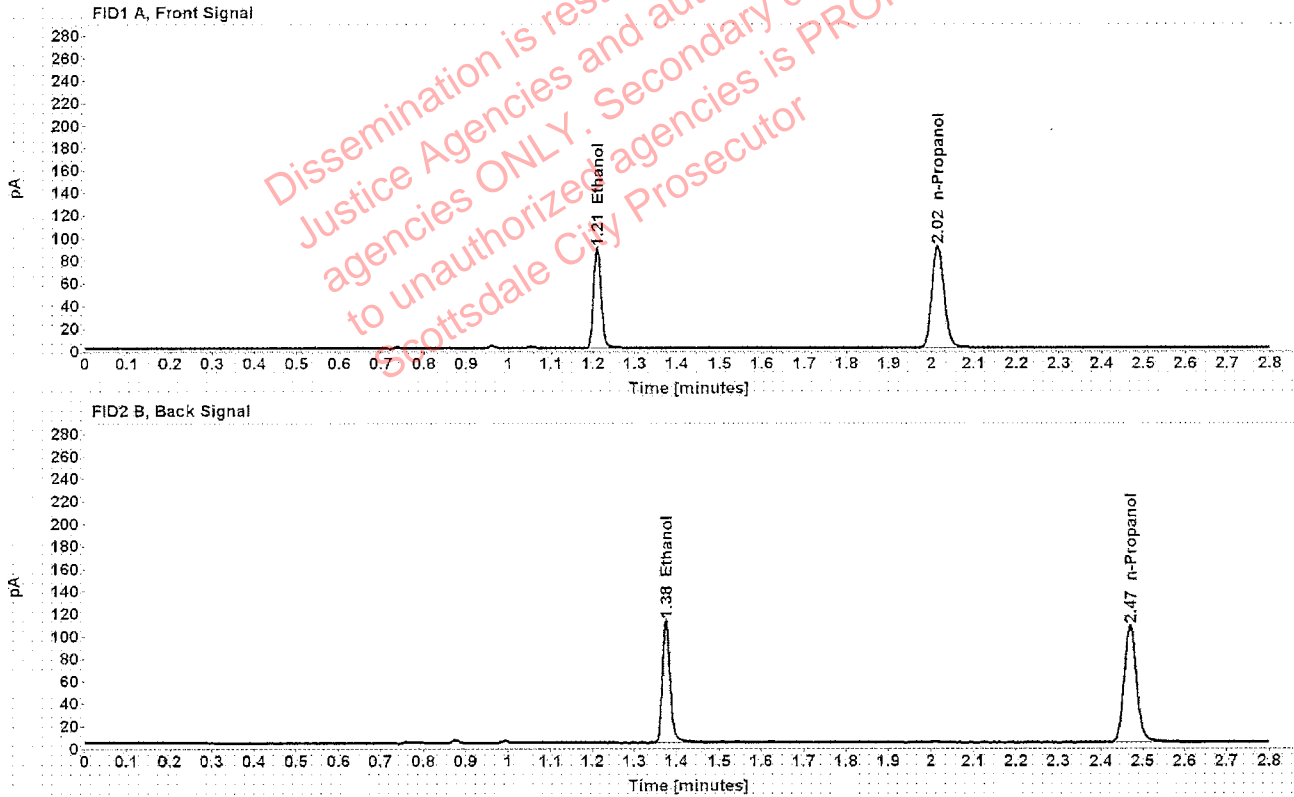


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1765	1.209	113.932
n-Propanol	-----	2.015	180.301

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

Compound	Time (min)	Peak Area
Ethanol	1.375	141.011
n-Propanol	2.469	216.421

Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294080	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:43:57 PM
Data file:	C:\Chem32\1\Data\29Oct19\39.D	Analyst:	Kosecki

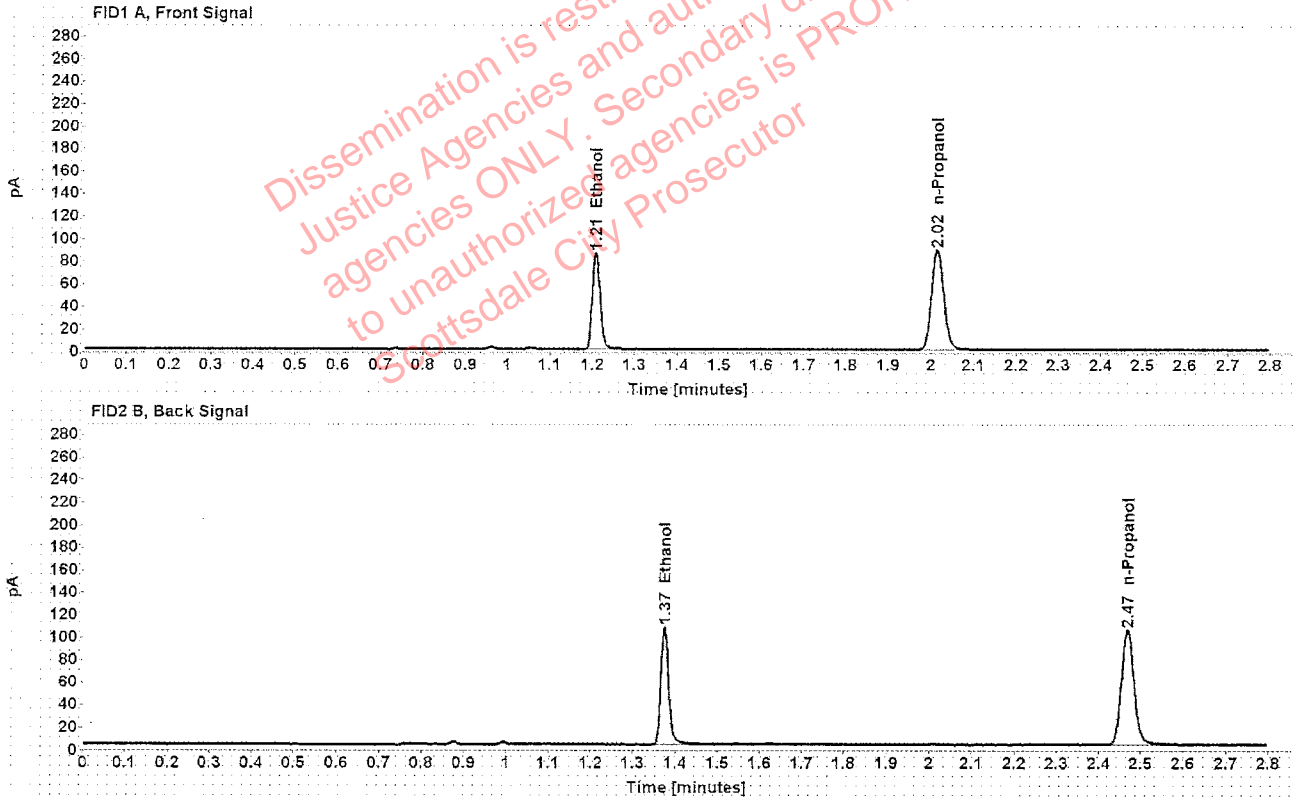


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1732	1.209	110.210
n-Propanol	-----	2.015	177.755

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

Compound	Time (min)	Peak Area
Ethanol	1.375	136.291
n-Propanol	2.469	212.740



Case: [REDACTED] User: pkosecki 10/29/2019

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294627	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:47:57 PM
Data file:	C:\Chem32\1\Data\29Oct19\40.D	Analyst:	Kosecki

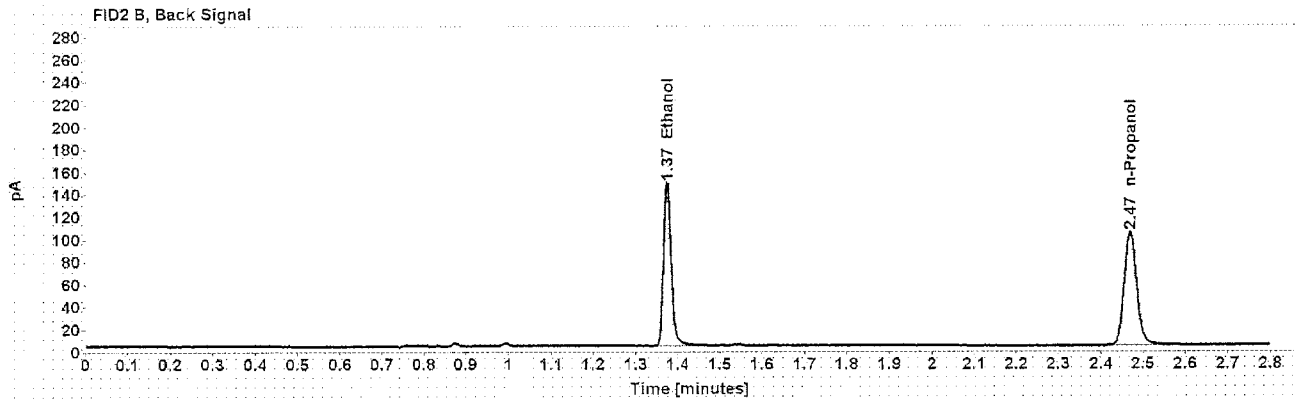
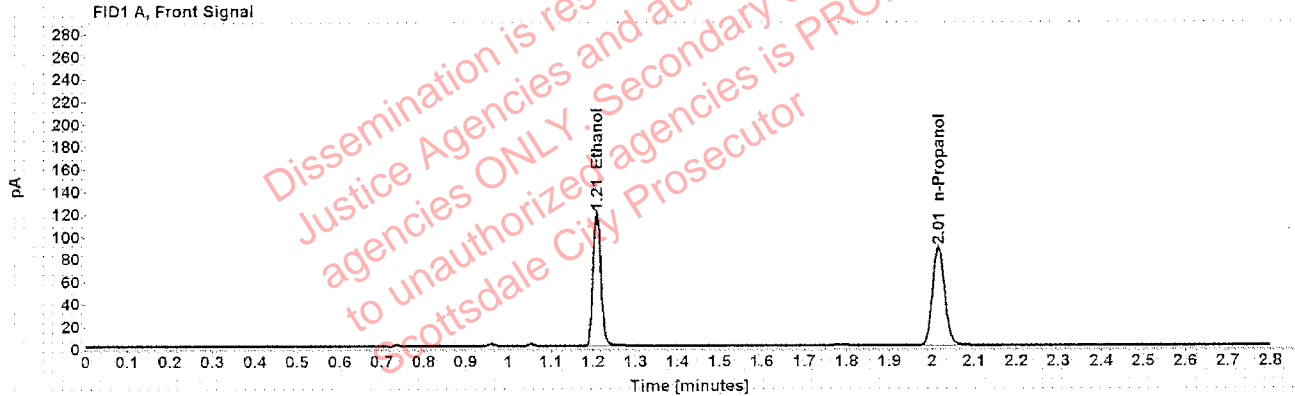


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2425	1.209	152.106
n-Propanol	-----	2.015	175.081

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

Compound	Time (min)	Peak Area
Ethanol	1.374	188.025
n-Propanol	2.469	210.699

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294627	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	29Oct19
Instrument:	US14173023 CN14160045	Injection date:	10/29/2019 12:51:57 PM
Data file:	C:\Chem32\11\Data\29Oct19\41.D	Analyst:	Kosecki

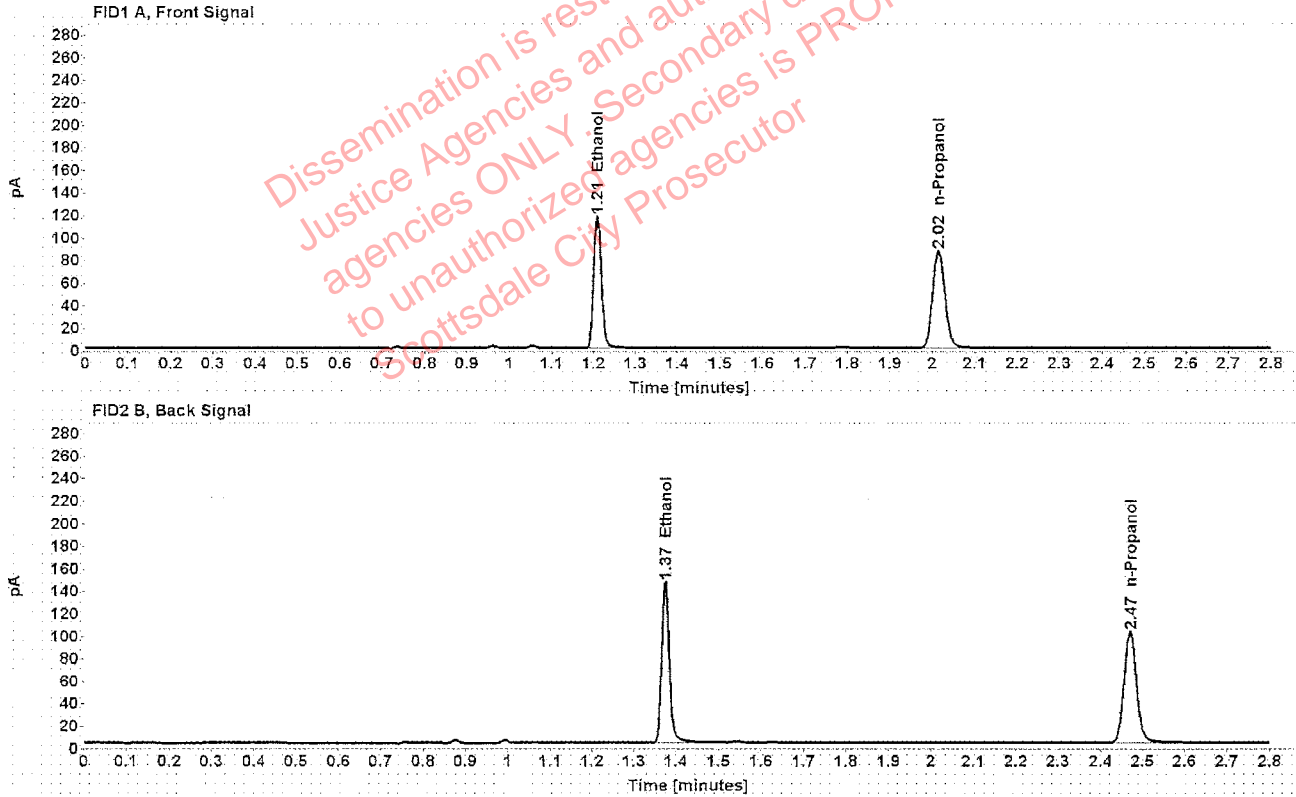


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2429	1.209	149.570
n-Propanol	-----	2.015	171.868

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

Compound	Time (min)	Peak Area
Ethanol	1.374	185.212
n-Propanol	2.469	206.767