

# SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 7/15/20 SEQUENCE NAME 15Jul20

**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 0.99981  
 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 040720AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
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	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
42	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
45	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
46	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
47	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
48	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. This run also included one calibrator that needed to be validated.

Run valid   
 Run invalid

  
 Analyst

Run valid   
 Run invalid

  
 Technical Reviewer

# Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

PB

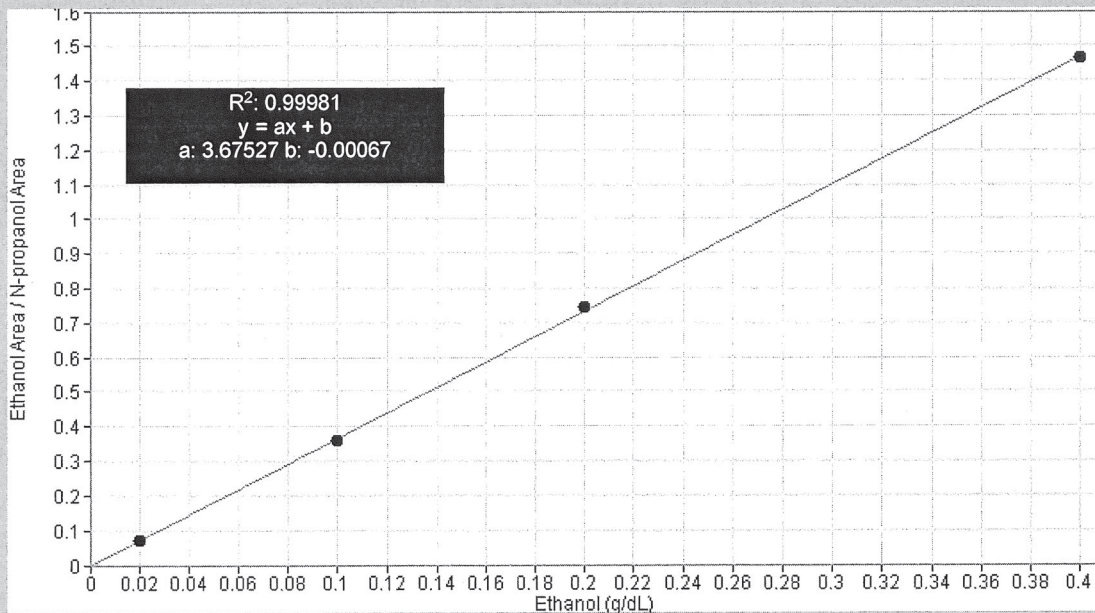
SEQUENCE NAME: 15Jul20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
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
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.198 407041529/13	42	0.198	0.198	0.00	0.000
0.400 11092018-A	45	0.399	0.400	0.25	-0.001
0.040 14082019-B	46	0.039	0.040	2.50	-0.001
0.198 407041529/13	47	0.198	0.198	0.00	0.000
blank 040919WB	48	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.597	164.656	0.070
0.100	60.554	167.405	0.362
0.200	126.948	170.019	0.747
0.400	241.656	164.986	1.465

### 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> 15Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/15/2020 11:52:28 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>AB</i>
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\1.D	

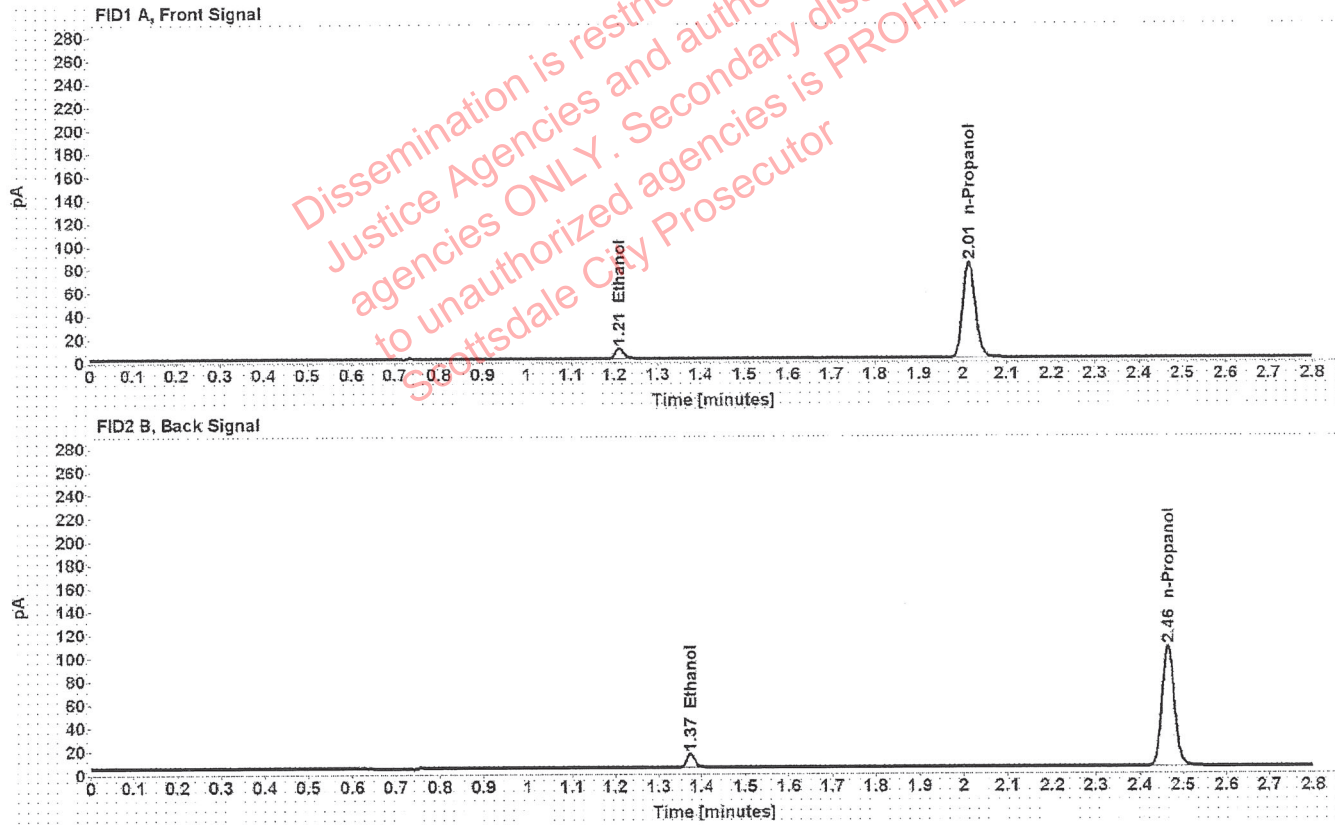


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.597
n-Propanol	2.014	164.656

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

Compound	Time (min)	Peak Area
Ethanol	1.374	14.704
n-Propanol	2.465	207.143

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN02271802	<b>Vial:</b> 2
<b>Description:</b> 0.100 calibrator	<b>Sequence:</b> 15Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/15/2020 11:56:27 AM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>TB</i>
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\2.D	

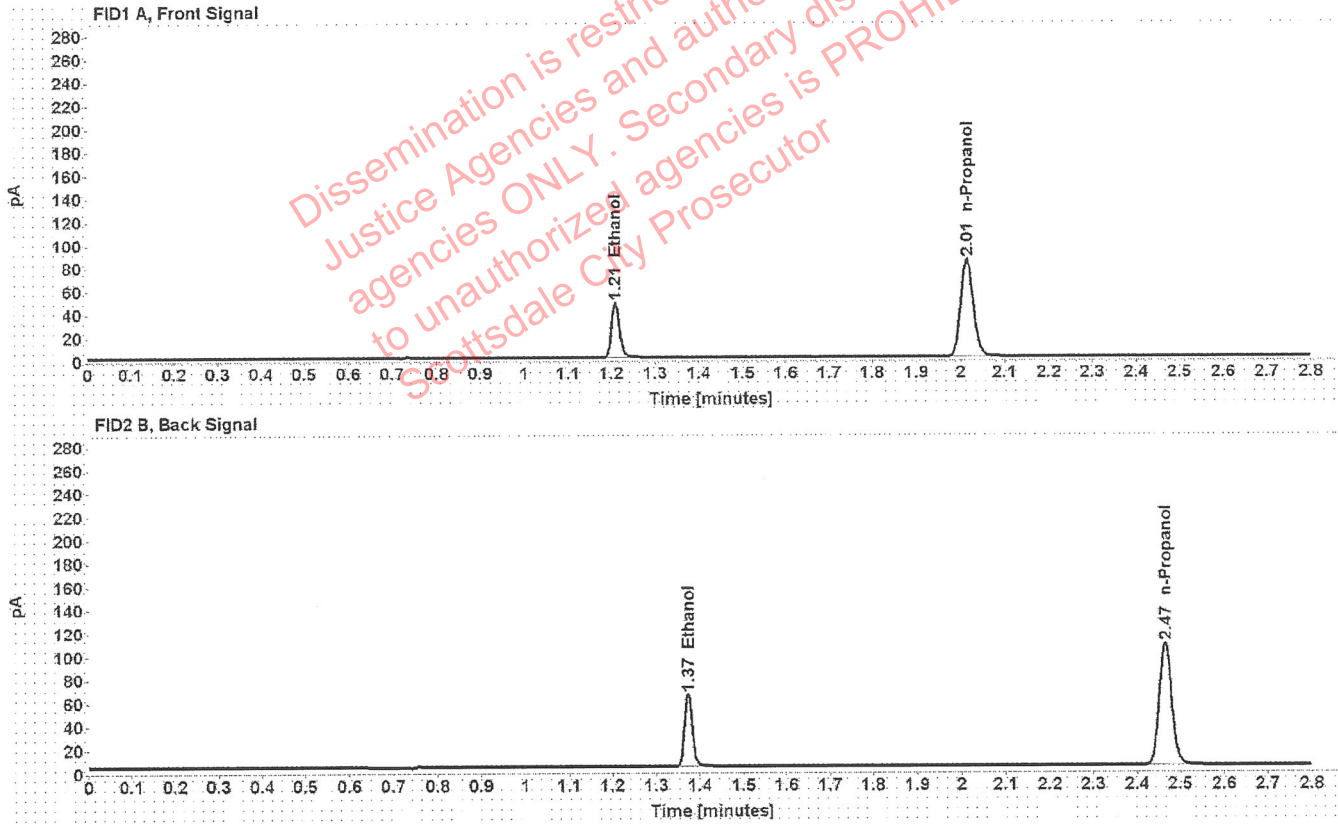


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	60.554
n-Propanol	2.014	167.405

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

Compound	Time (min)	Peak Area
Ethanol	1.372	76.382
n-Propanol	2.465	210.439

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06231704	<b>Vial:</b> 3
<b>Description:</b> 0.200 calibrator	<b>Sequence:</b> 15Jul20
<b>Method:</b> ethanol quant.M	<b>Injection date:</b> 7/15/2020 12:00:28 PM
<b>Instrument:</b> US14173023 CN14160045	<b>Analyst:</b> Brooke <i>BB</i>
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\3.D	

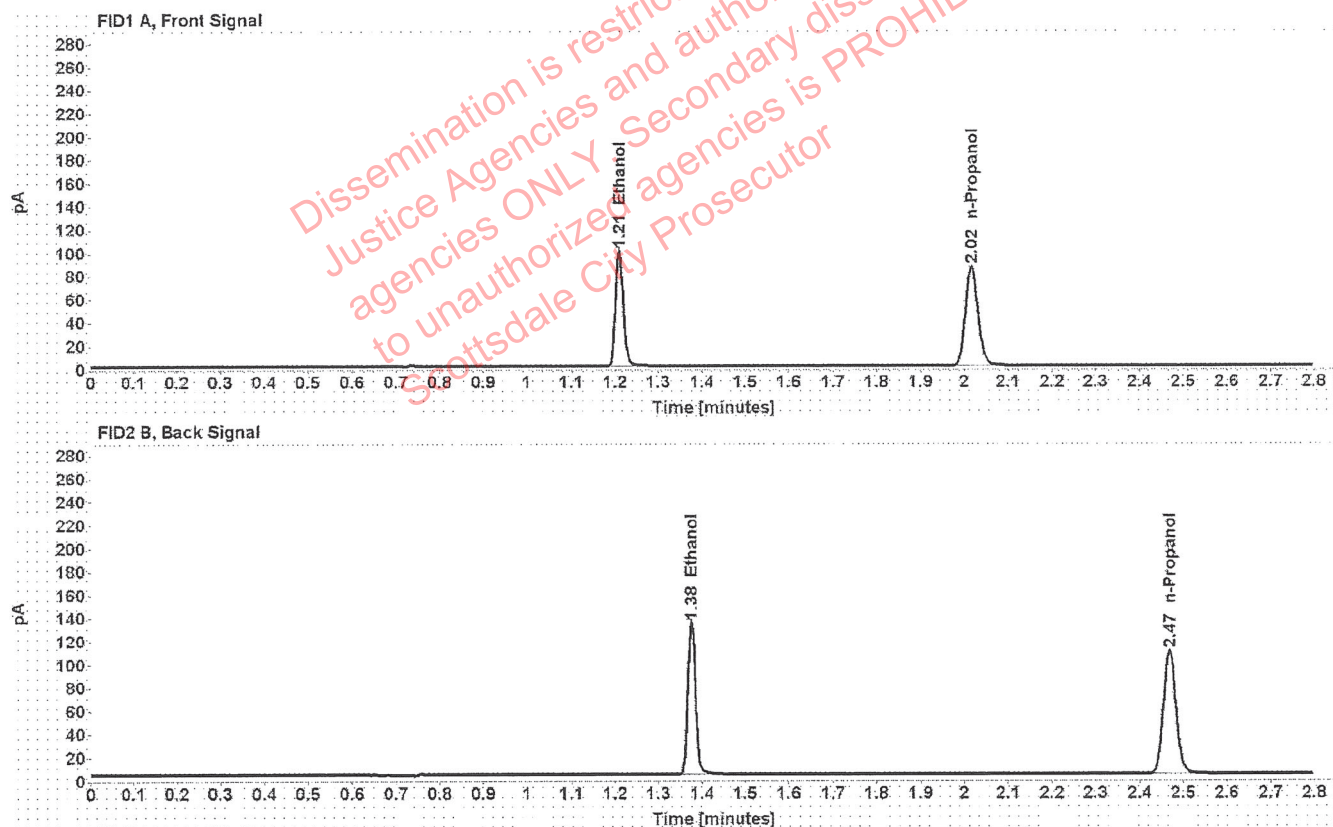


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	126.948
n-Propanol	2.016	170.019

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

Compound	Time (min)	Peak Area
Ethanol	1.375	160.059
n-Propanol	2.468	213.668

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b>	FN05131606	<b>Vial:</b>	4
<b>Description:</b>	0.400 calibrator	<b>Sequence:</b>	15Jul20
<b>Method:</b>	ethanol quant.M	<b>Injection date:</b>	7/15/2020 12:04:28 PM
<b>Instrument:</b>	US14173023 CN14160045	<b>Analyst:</b>	Brooke <i>RB</i>
<b>Data file:</b>	C:\Chem32\1\Data\15Jul20\4.D		

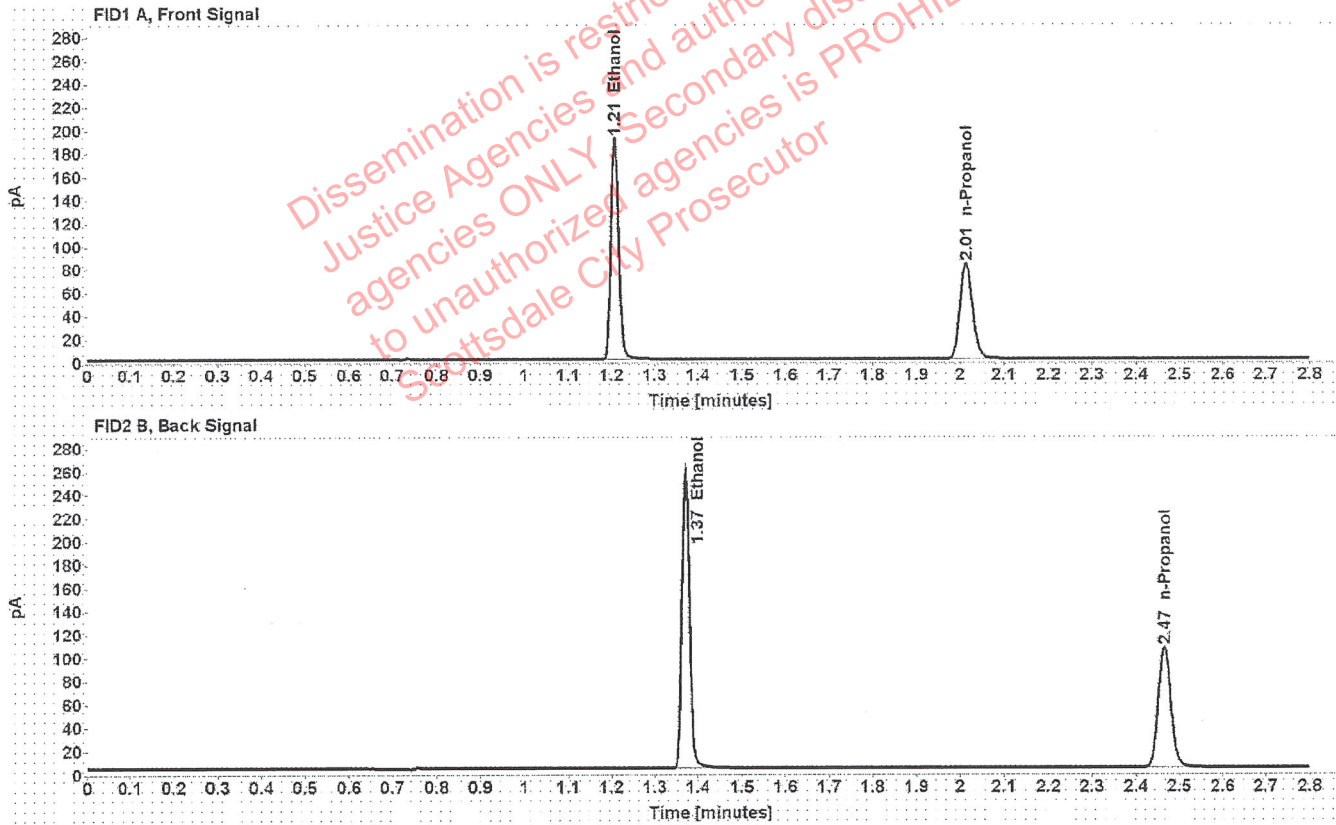


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	241.656
n-Propanol	2.014	164.986

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

Compound	Time (min)	Peak Area
Ethanol	1.372	305.861
n-Propanol	2.465	207.517

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040720AQ	<b>Vial:</b> 5
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/15/2020 12:08:28 PM
<b>Data file:</b> C:\Chem321\Data\15Jul20\5.D	<b>Analyst:</b> Brooke <span style="float: right;">715</span>

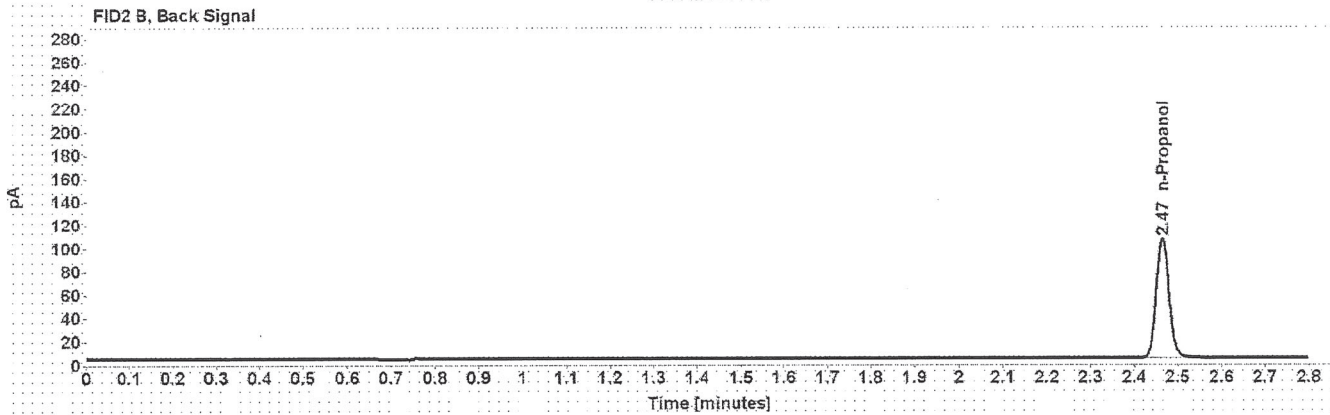


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	164.488

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

Compound	Time (min)	Peak Area
n-Propanol	2.465	206.494

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	070819MIX	Vial:	6
Description:	Volatiles mix	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:12:27 PM
Data file:	C:\Chem32\1\Data\15Jul20\6.D	Analyst:	Brooke <i>YB</i>

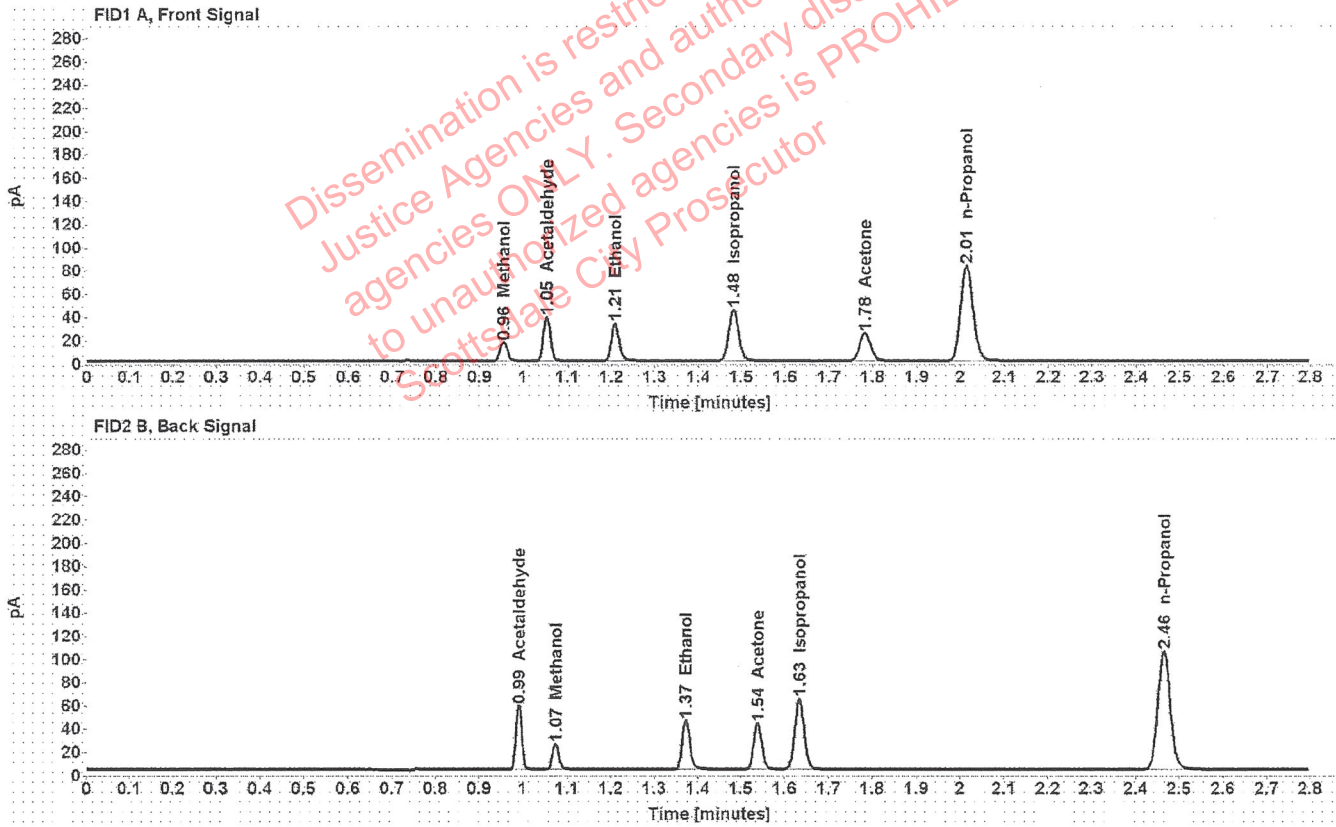


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.955	18.107
Acetaldehyde	-----	1.053	41.266
>Ethanol	0.0688	1.209	41.159
Isopropanol	-----	1.482	70.358
Acetone	-----	1.782	41.050
n-Propanol	-----	2.014	163.144

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.991	53.724
Methanol	1.074	23.386
Ethanol	1.372	51.712
Acetone	1.539	51.815
Isopropanol	1.634	91.347
n-Propanol	2.465	204.818



# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 12:16:44 PM
Data file: C:\Chem32\1\Data\15Jul20\7.D	Analyst: Brooke <sup>13</sup>

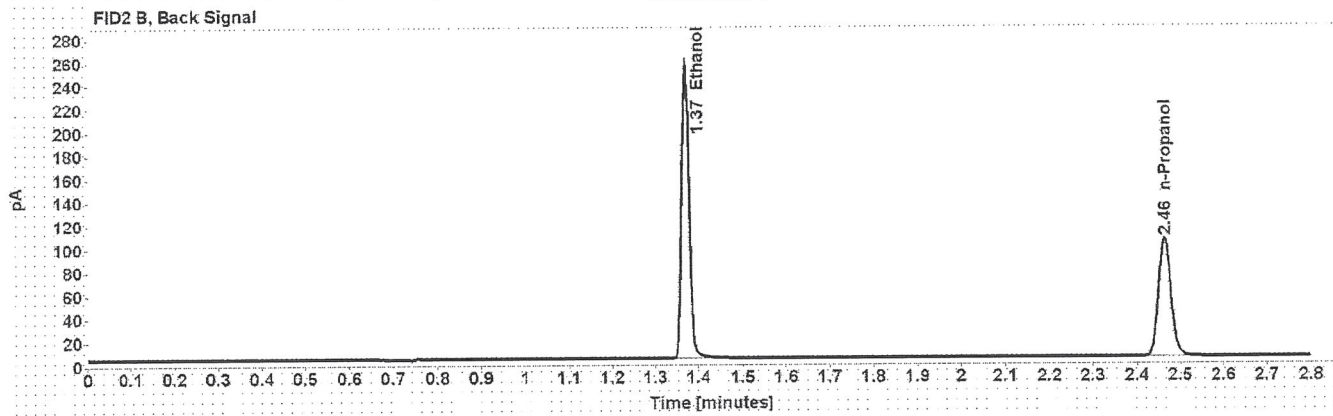
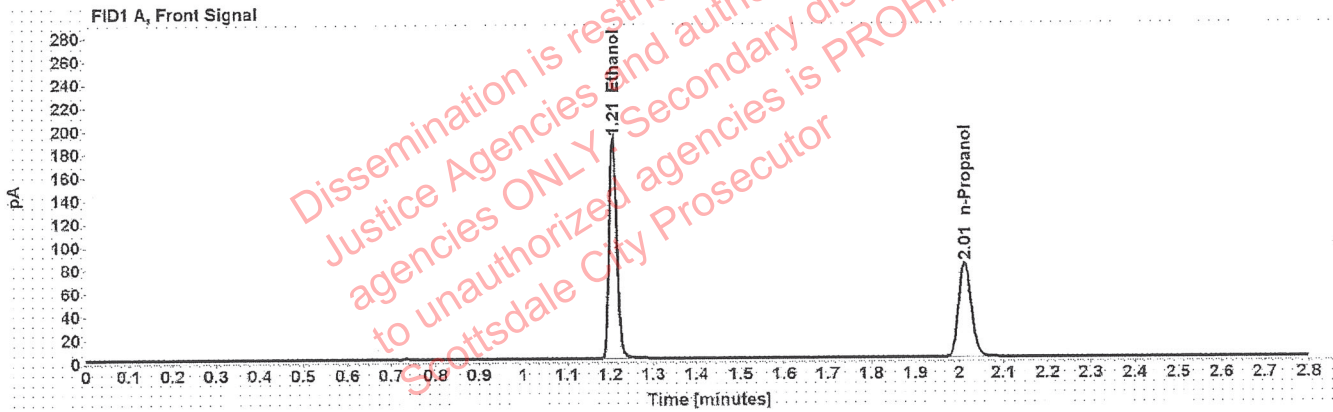


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4011	1.206	238.915
n-Propanol	-----	2.013	162.135

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

Compound	Time (min)	Peak Area
Ethanol	1.370	301.919
n-Propanol	2.464	203.554

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:20:44 PM
Data file:	C:\Chem32\1\Data\15Jul20\8.D	Analyst:	Brooke <i>AB</i>

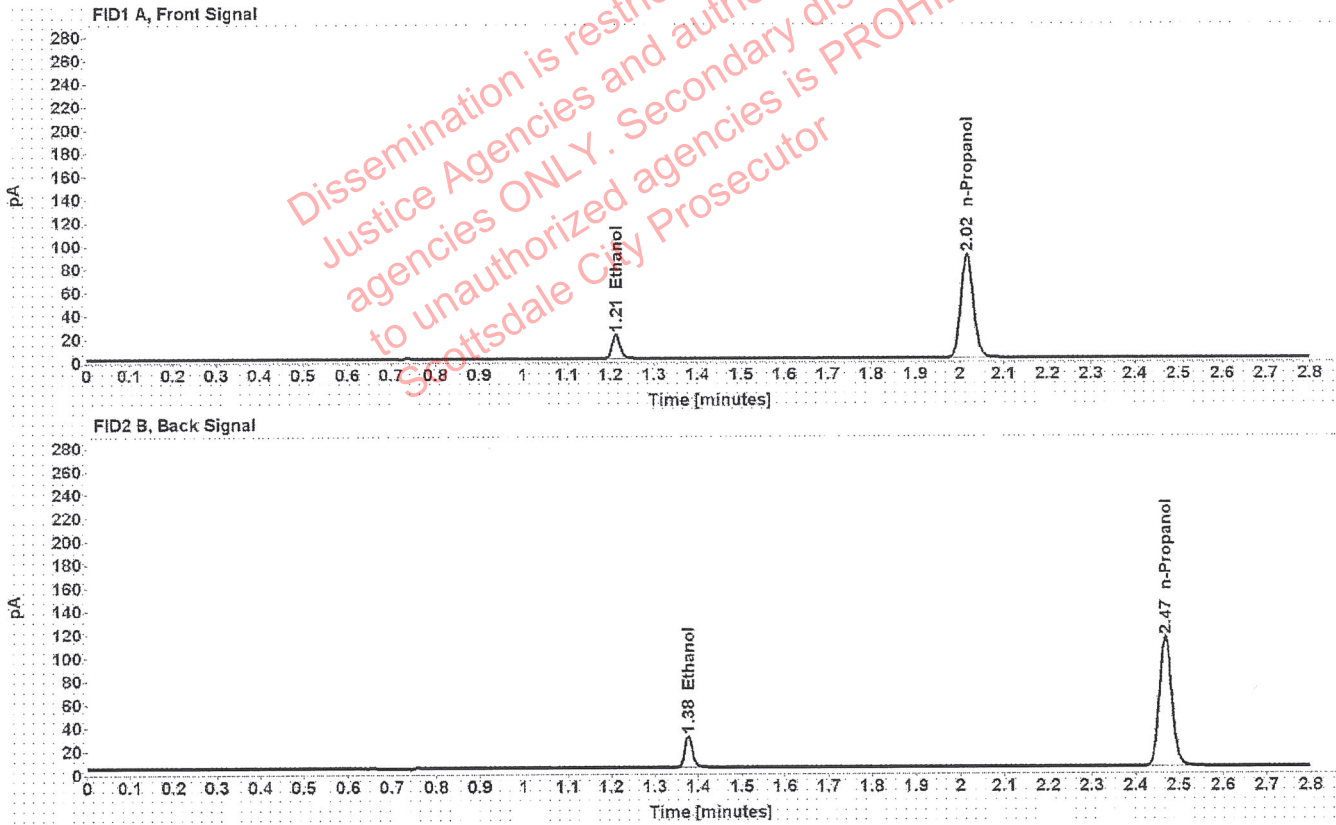


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0410	1.212	26.774
n-Propanol	-----	2.017	178.315

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

Compound	Time (min)	Peak Area
Ethanol	1.377	33.693
n-Propanol	2.469	223.455

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 12:24:43 PM
Data file: C:\Chem32\1\Data\15Jul20\9.D	Analyst: Brooke <i>BB</i>

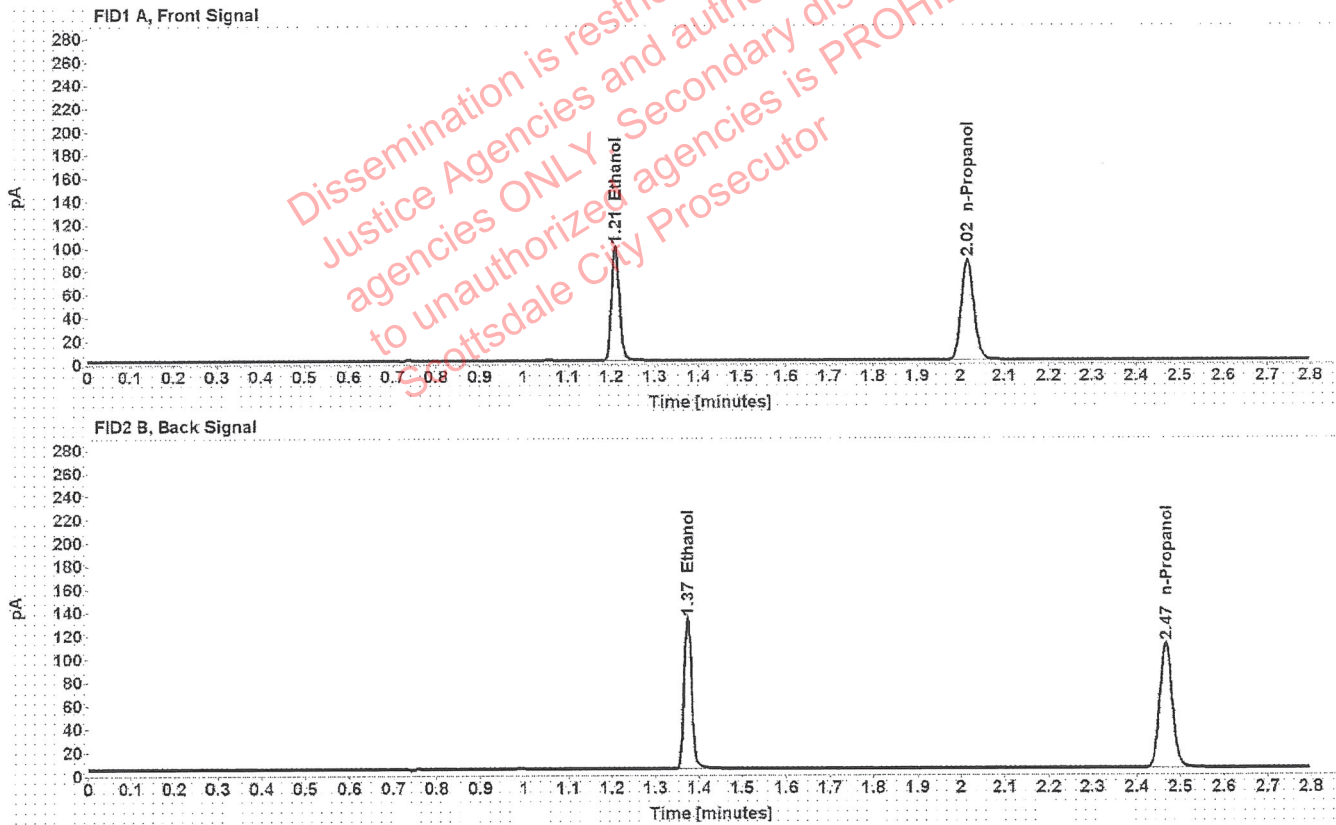


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1983	1.209	125.789
n-Propanol	-----	2.015	172.714

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

Compound	Time (min)	Peak Area
Ethanol	1.373	158.355
n-Propanol	2.467	216.448

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 1:09:14 PM
Data file: C:\Chem32\1\Data\15Jul20\20.D	Analyst: Brooke <i>RB</i>

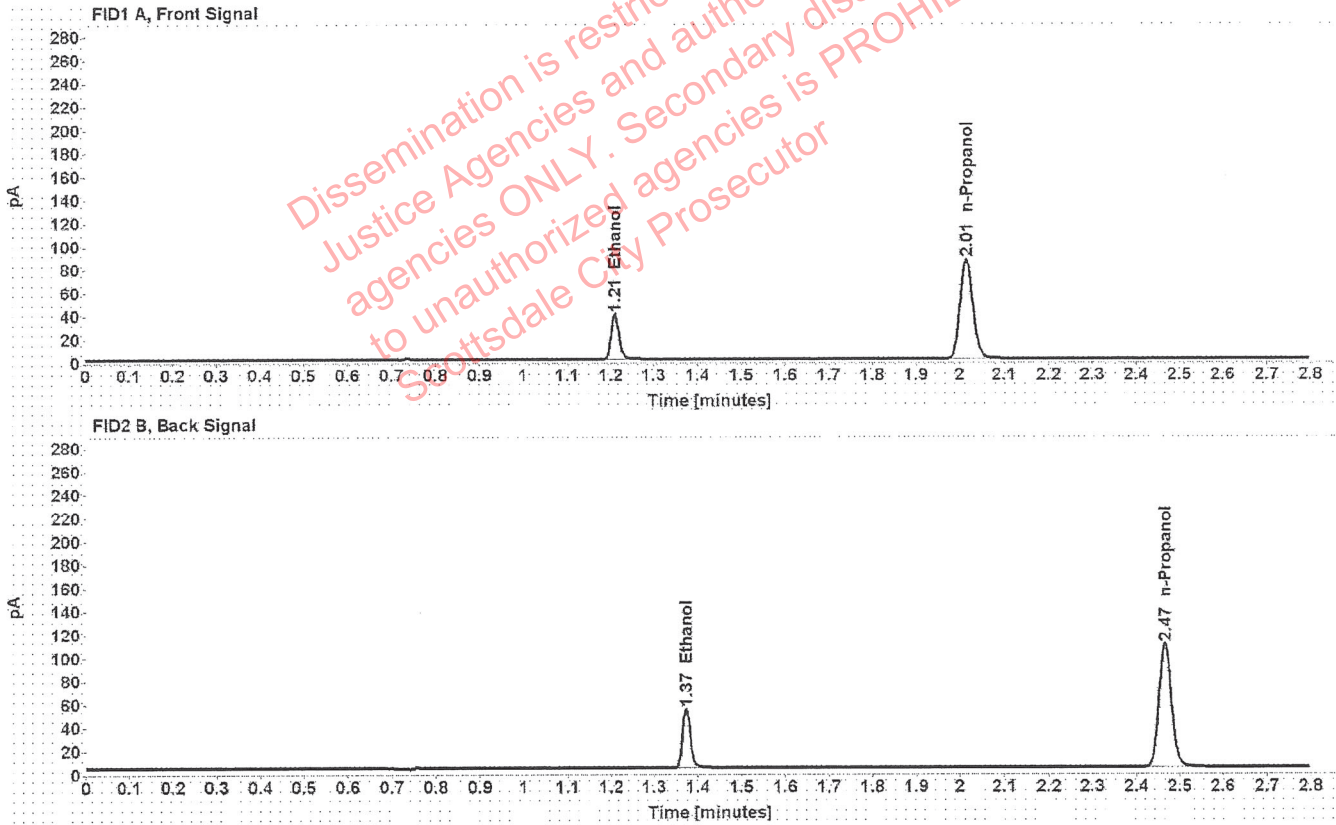


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0796	1.210	50.034
n-Propanol	-----	2.015	171.339

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

Compound	Time (min)	Peak Area
Ethanol	1.373	62.801
n-Propanol	2.466	214.100

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 1:53:45 PM
Data file: C:\Chem32\1\Data\15Jul20\31.D	Analyst: Brooke <sup>FB</sup>

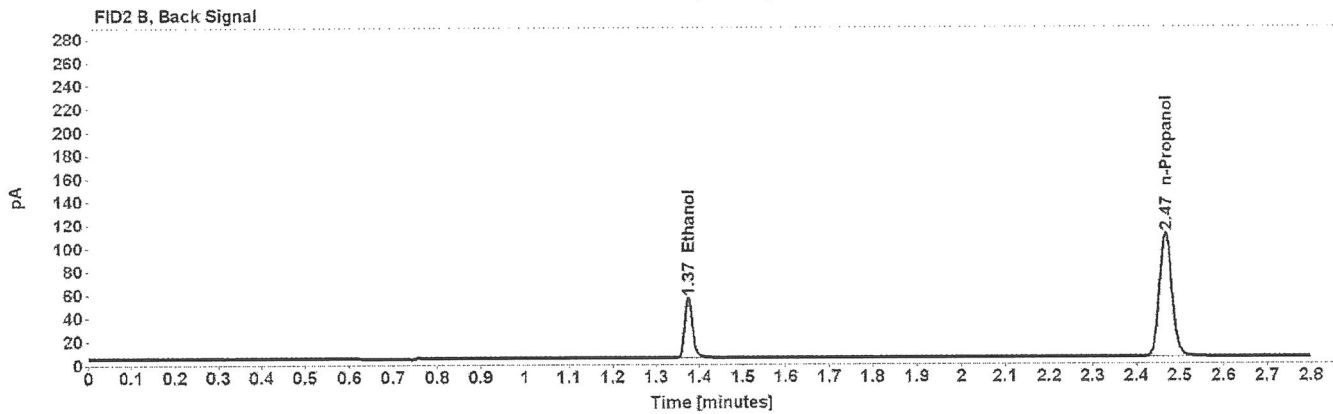
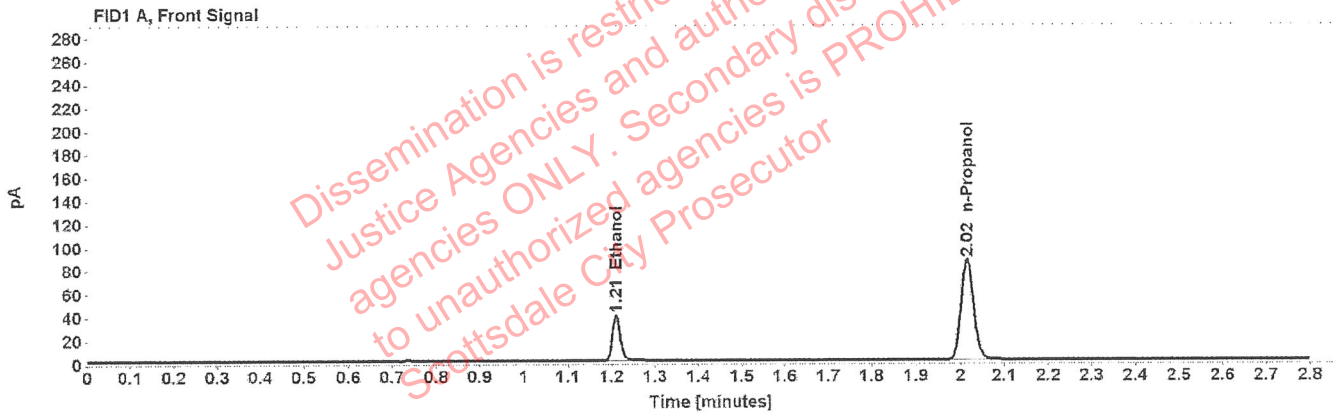


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0802	1.210	50.641
n-Propanol	-----	2.015	172.112

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

Compound	Time (min)	Peak Area
Ethanol	1.374	63.214
n-Propanol	2.467	215.068

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:37:58 PM
Data file: C:\Chem32\1\Data\15Jul20\42.D	Analyst: Brooke <i>FB</i>

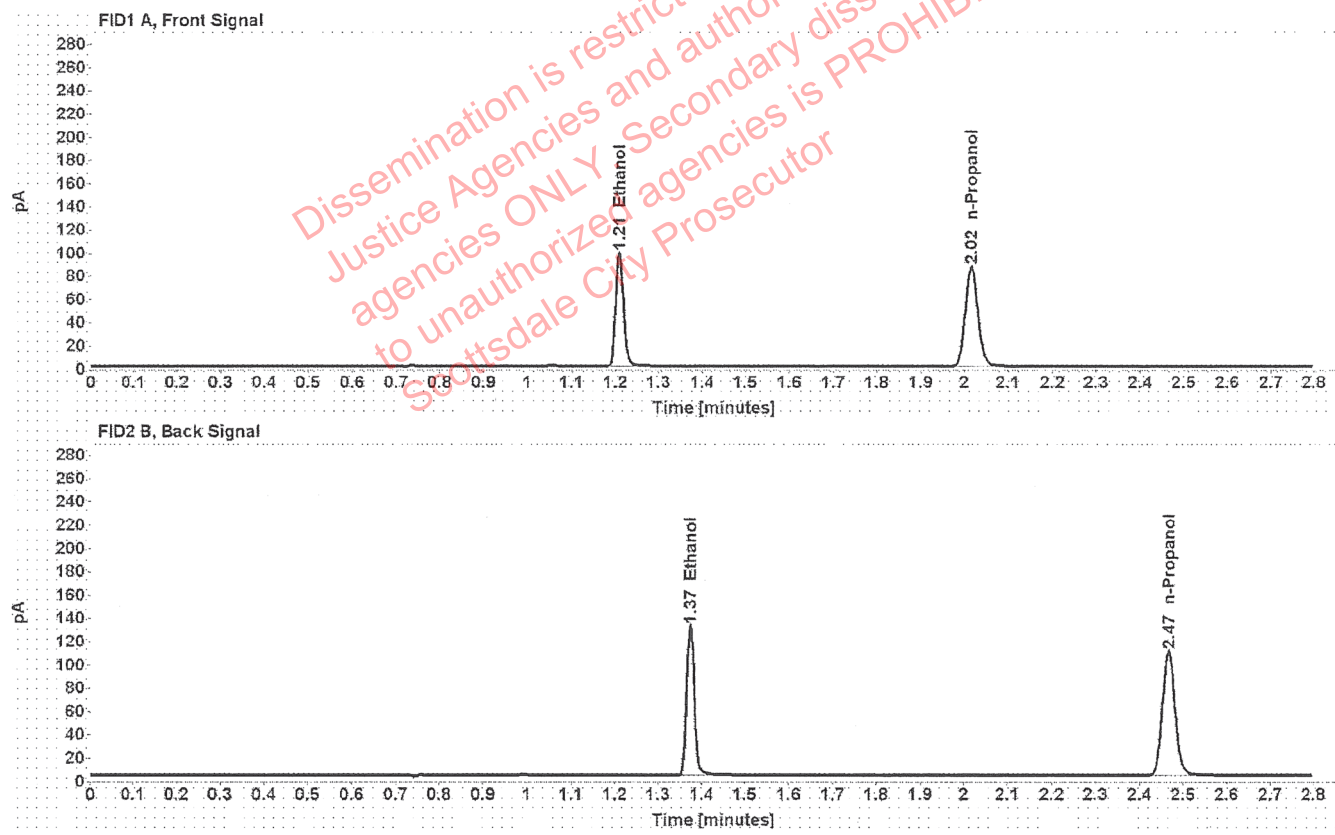


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1983	1.209	125.349
n-Propanol	-----	2.015	172.165

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

Compound	Time (min)	Peak Area
Ethanol	1.374	157.574
n-Propanol	2.467	215.403

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 45
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:50:14 PM
Data file: C:\Chem32\1\Data\15Jul20\45.D	Analyst: Brooke <i>PA</i>

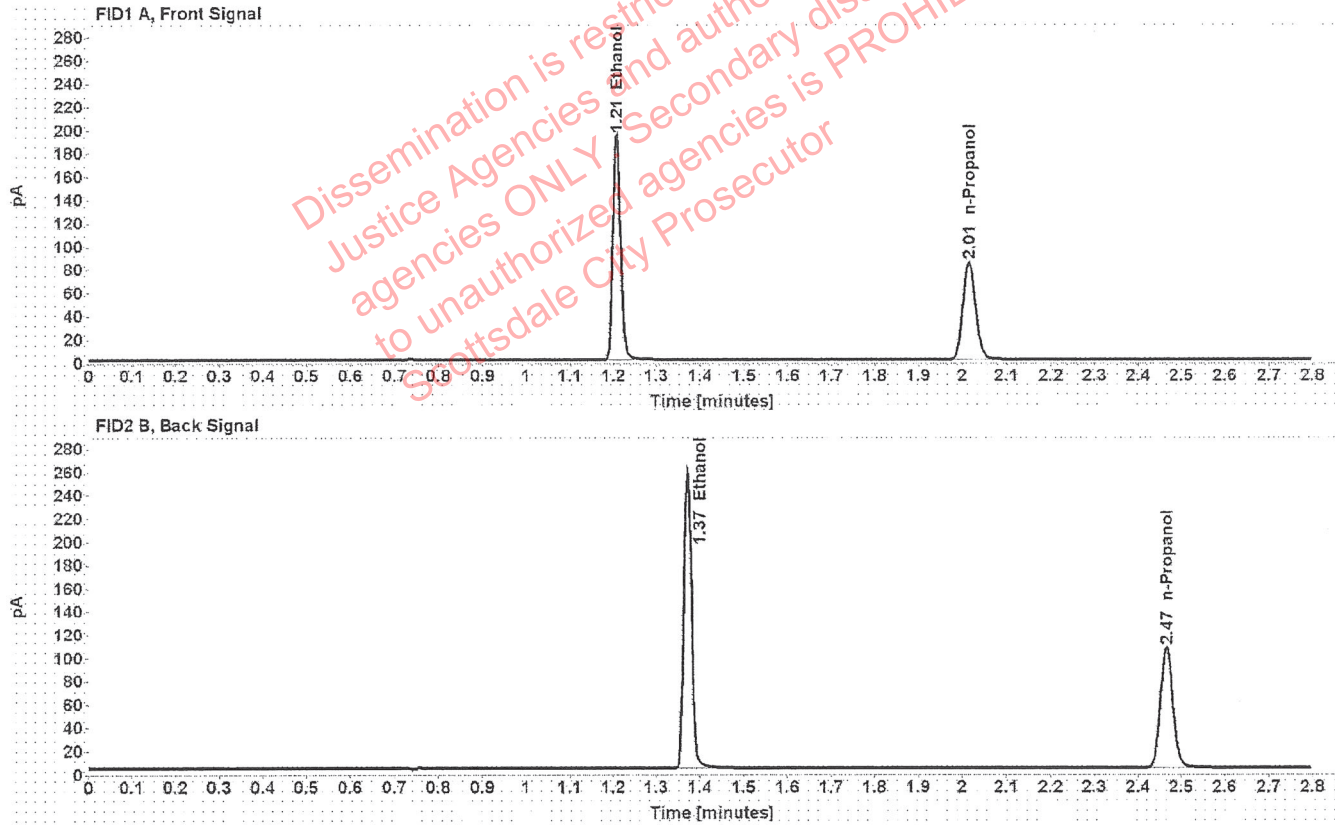


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3997	1.208	246.308
n-Propanol	-----	2.015	167.734

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

Compound	Time (min)	Peak Area
Ethanol	1.372	310.729
n-Propanol	2.466	209.932

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 46
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:54:13 PM
Data file: C:\Chem32\1\Data\15Jul20\46.D	Analyst: Brooke <i>RB</i>

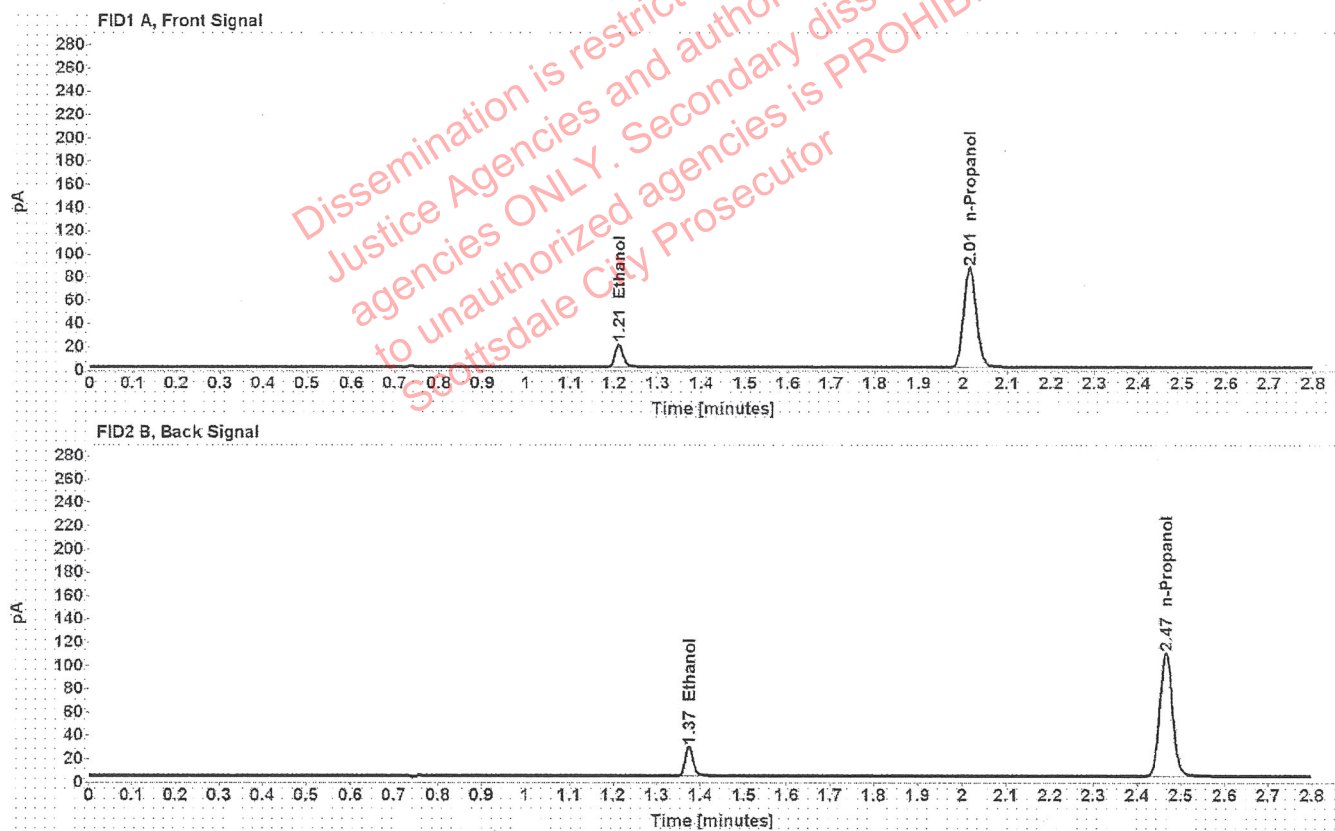


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0398	1.210	24.984
n-Propanol	-----	2.015	171.599

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

Compound	Time (min)	Peak Area
Ethanol	1.374	31.277
n-Propanol	2.466	214.143



# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 407041529/13	<b>Vial:</b> 47
<b>Description:</b> 0.198	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/15/2020 2:58:14 PM
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\47.D	<b>Analyst:</b> Brooke <i>YB</i>

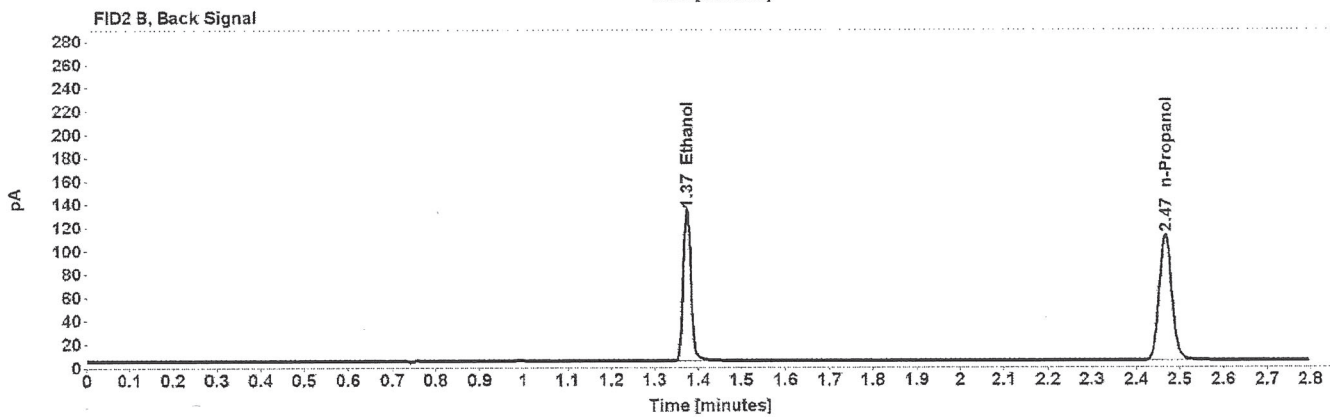
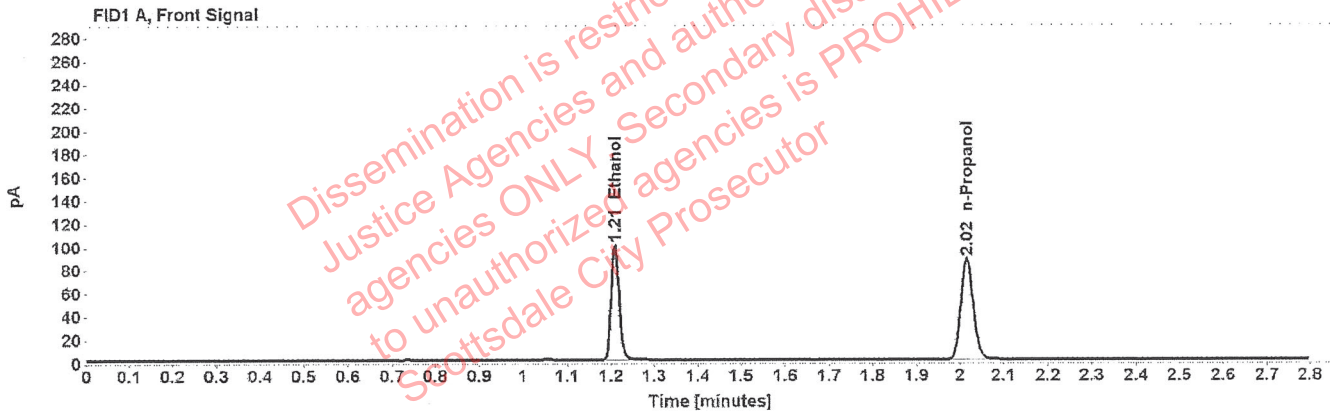


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1980	1.209	126.983
n-Propanol	-----	2.015	174.624

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

Compound	Time (min)	Peak Area
Ethanol	1.374	159.420
n-Propanol	2.467	218.375

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> 040919WB	<b>Vial:</b> 48
<b>Description:</b> Negative	<b>LIMS ID:</b>
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/15/2020 3:02:15 PM
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\48.D	<b>Analyst:</b> Brooke <i>RB</i>

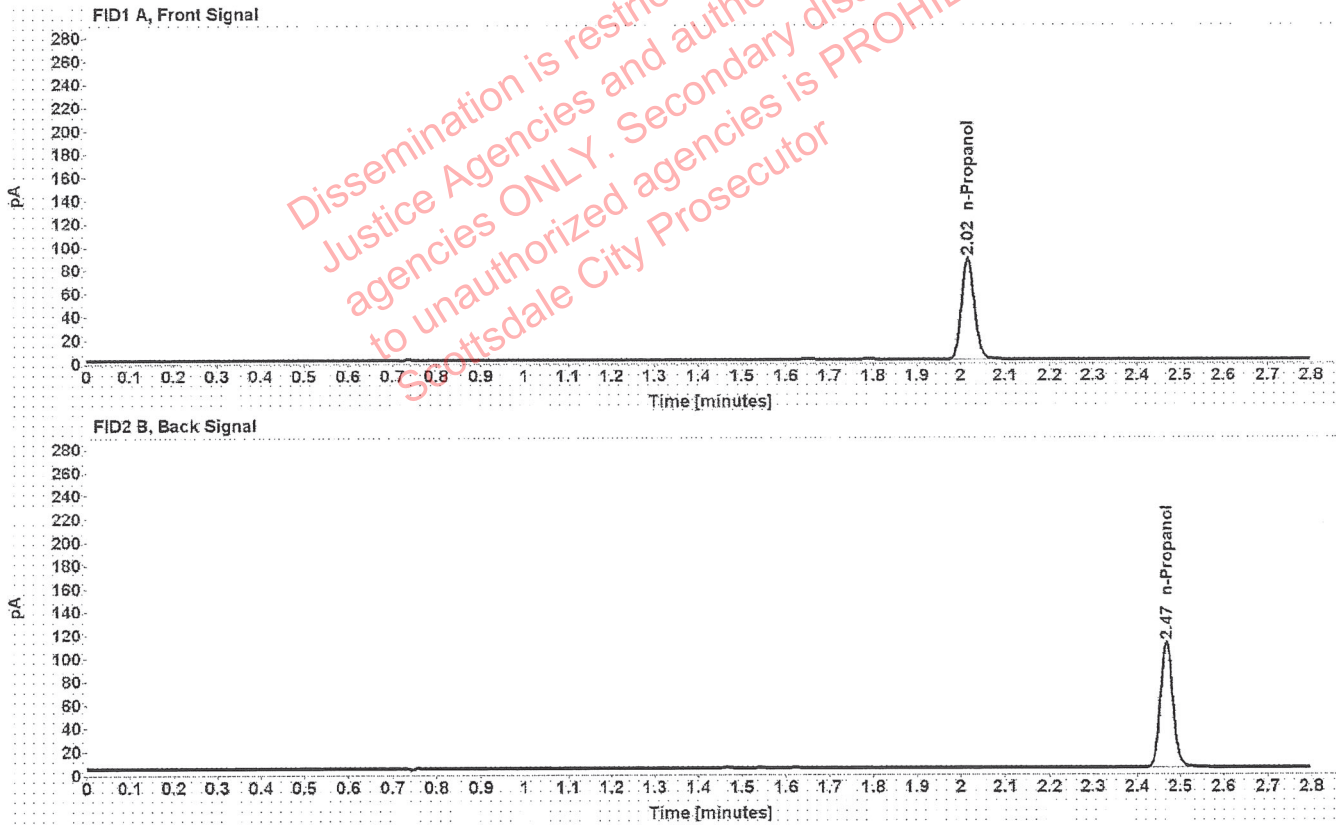


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	174.314

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	217.614

# Sequence Summary

FB

Sequence name: 15Jul20      Instrument: US14173023 CN14160045      Analyst: Brooke

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	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1323650		Sample		ethanol quant.M
11	1323650		Sample		ethanol quant.M
12	1327725		Sample		ethanol quant.M
13	1327725		Sample		ethanol quant.M
14	1326682		Sample		ethanol quant.M
15	1326682		Sample		ethanol quant.M
16	1328189		Sample		ethanol quant.M
17	1328189		Sample		ethanol quant.M
18	1325142		Sample		ethanol quant.M
19	1325142		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1294097		Sample		ethanol quant.M
22	1294097		Sample		ethanol quant.M
23	1322048		Sample		ethanol quant.M
24	1322048		Sample		ethanol quant.M
25	1329049		Sample		ethanol quant.M
26	1329049		Sample		ethanol quant.M
27	1327737		Sample		ethanol quant.M
28	1327737		Sample		ethanol quant.M
29	1323976		Sample		ethanol quant.M
30	1323976		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1328506		Sample		ethanol quant.M
33	1328506		Sample		ethanol quant.M
34	1328948		Sample		ethanol quant.M
35	1328948		Sample		ethanol quant.M
36	1302142		Sample		ethanol quant.M
37	1302142		Sample		ethanol quant.M
38	1288573		Sample		ethanol quant.M
39	1288573		Sample		ethanol quant.M
40	1329163		Sample		ethanol quant.M
41	1329163		Sample		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	FN06141806	Cerilliant, 0.020	Sample	validation	ethanol quant.M
44	FN06141806	Cerilliant, 0.020	Sample	validation	ethanol quant.M
45	11092018-A	0.400	Control		ethanol quant.M
46	14082019-B	0.040	Control		ethanol quant.M
47	407041529/13	0.198	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies ONLY. Secondary dissemination to unauthorized agencies is PROHIBITED. Scottsdale City Prosecutor

# Sequence Summary

PS

48	040919WB	Negative	Control	ethanol quant.M
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Dissemination is restricted to Criminal  
Justice Agencies and authorized NON-C.J.  
agencies ONLY. Secondary dissemination  
to unauthorized agencies is PROHIBITED.  
Scottsdale City Prosecutor

# Scottsdale Police Department Crime Laboratory Summary of Cases

18

SEQUENCE NAME: 15Jul20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.3170	0.3183	0.31765	0.20	0.00065
14 15	0.1531	0.1525	0.15280	0.20	0.00030
16 17	0.2725	0.2718	0.27215	0.13	0.00035
18 19	0.2863	0.2861	0.28620	0.03	0.00010
21 22	0.2484	0.2489	0.24865	0.10	0.00025
23 24	0.0000	0.0000	0.00000	0.00	0.00000
25 26	0.1845	0.1833	0.18390	0.33	0.00060
27 28	0.2083	0.2113	0.20980	0.71	0.00150
29 30	0.1720	0.1698	0.17090	0.64	0.00110
32 33	0.1121	0.1113	0.11170	0.36	0.00040
34 35	0.0772	0.0770	0.07710	0.13	0.00010
36 37	0.2275	0.2279	0.22770	0.09	0.00020
38 39	0.1446	0.1441	0.14435	0.17	0.00025
40 41	0.3331	0.3395	0.33630	0.95	0.00320
43 44	0.0197	0.0196	0.01965	0.25	0.00005

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



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323650	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:28:43 PM
Data file:	C:\Chem32\1\Data\15Jul20\10.D	Analyst:	Brooke

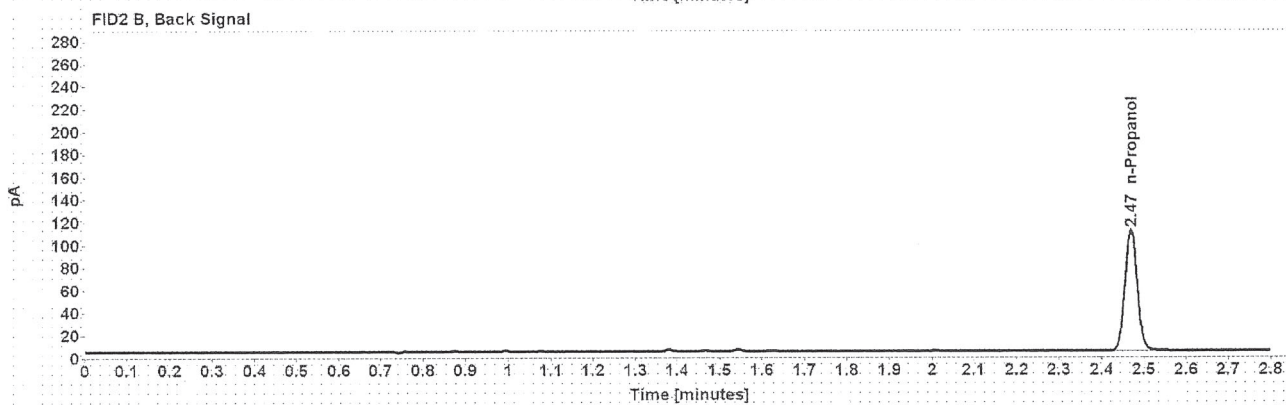


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	172.832

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	217.189

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323650	Vial:	11
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:32:44 PM
Data file:	C:\Chem32\1\Data\15Jul20\11.D	Analyst:	Brooke

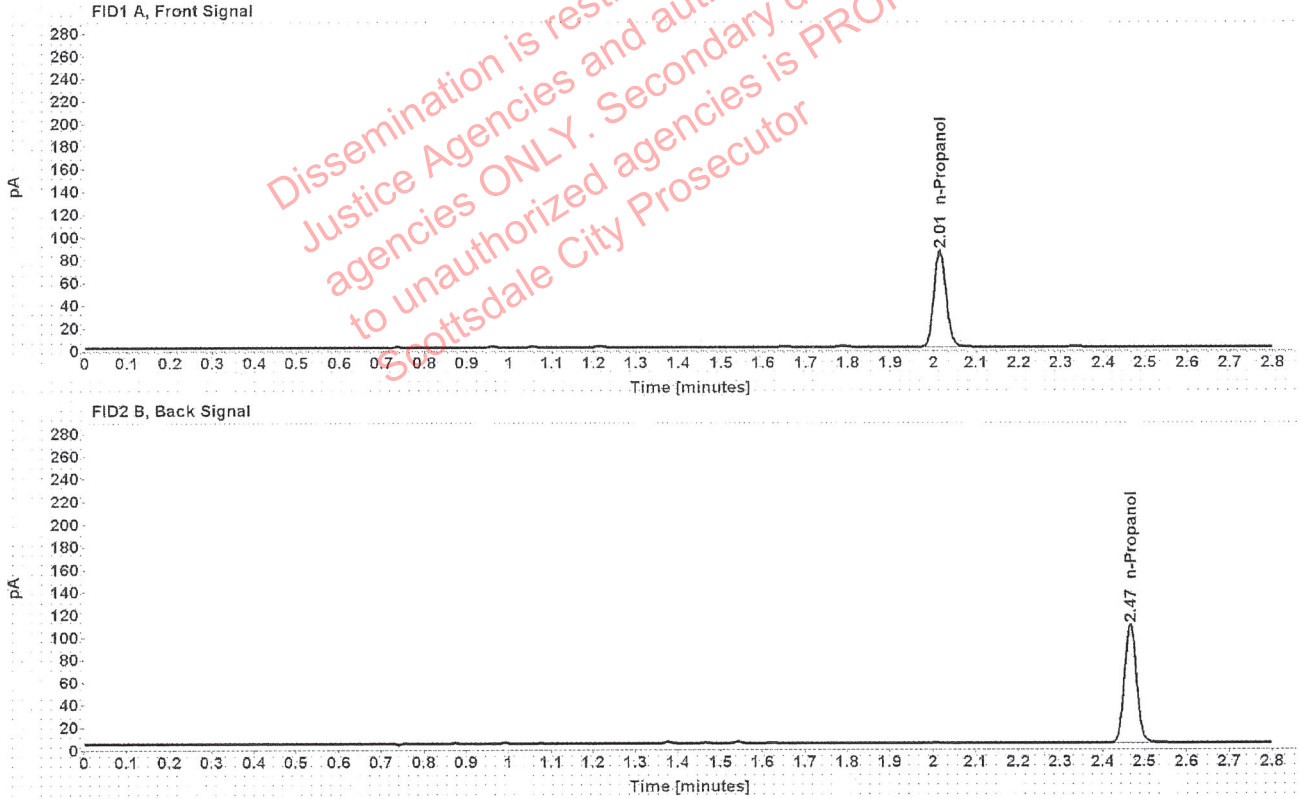


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	168.736

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	212.036



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327725	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:36:43 PM
Data file:	C:\Chem32\1\Data\15Jul20\12.D	Analyst:	Brooke

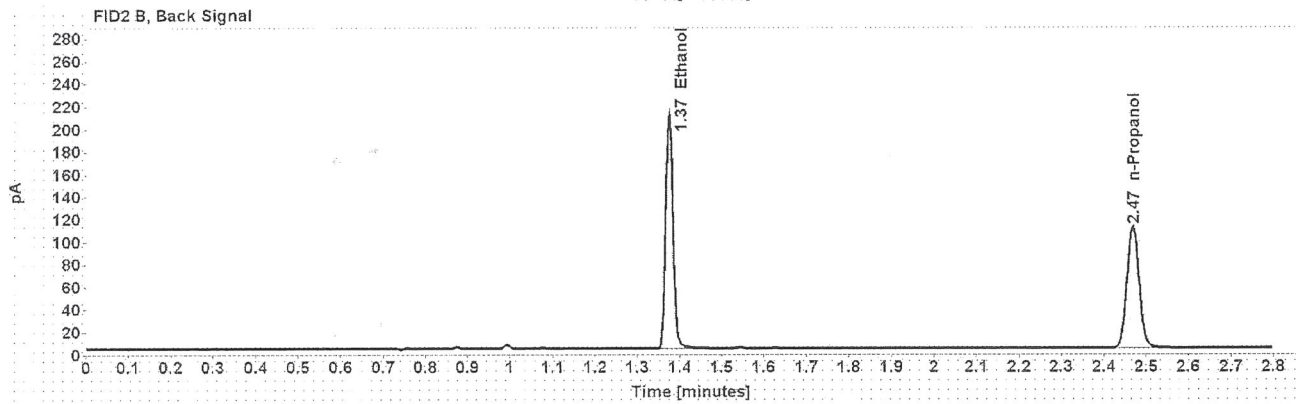
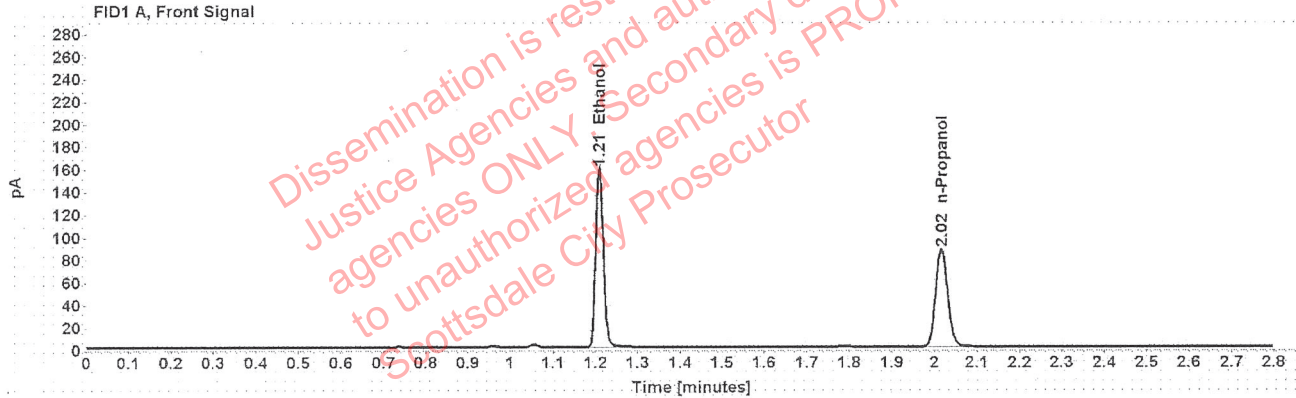


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3170	1.210	201.860
n-Propanol	-----	2.016	173.367

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

Compound	Time (min)	Peak Area
Ethanol	1.375	254.509
n-Propanol	2.468	217.175

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327725	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:40:58 PM
Data file:	C:\Chem32\1\Data\15Jul20\13.D	Analyst:	Brooke

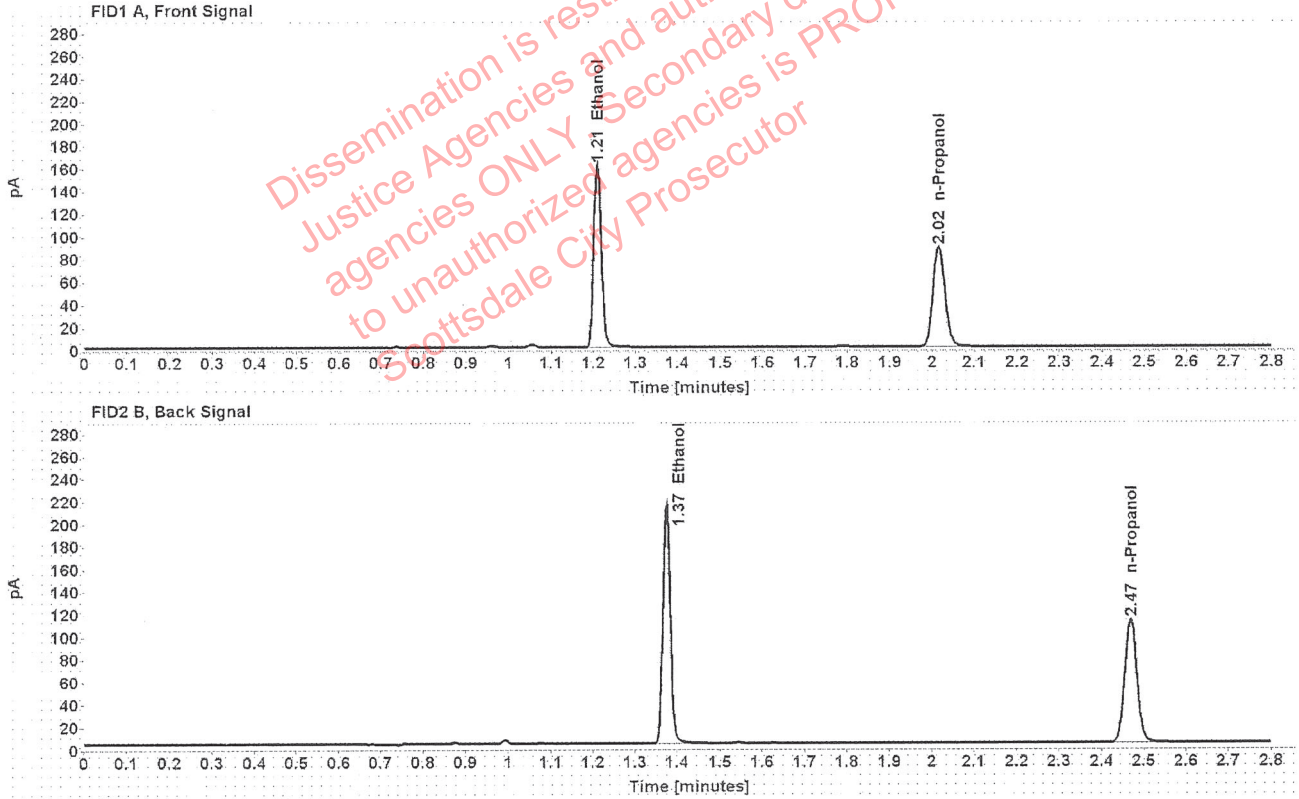


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3183	1.210	205.459
n-Propanol	-----	2.016	175.711

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

Compound	Time (min)	Peak Area
Ethanol	1.375	259.061
n-Propanol	2.468	220.124

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1326682	Vial: 14
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 12:45:00 PM
Data file: C:\Chem32\1\Data\15Jul20\14.D	Analyst: Brooke

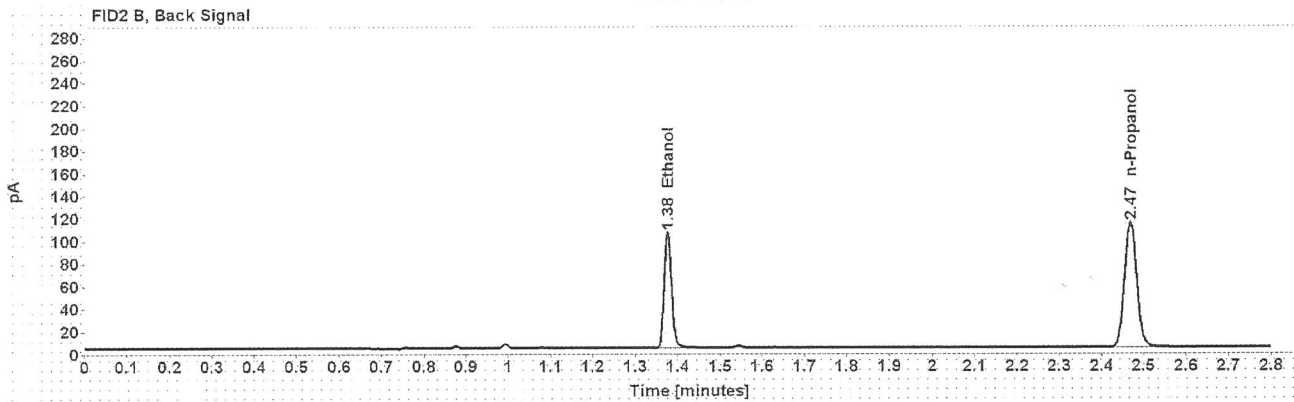
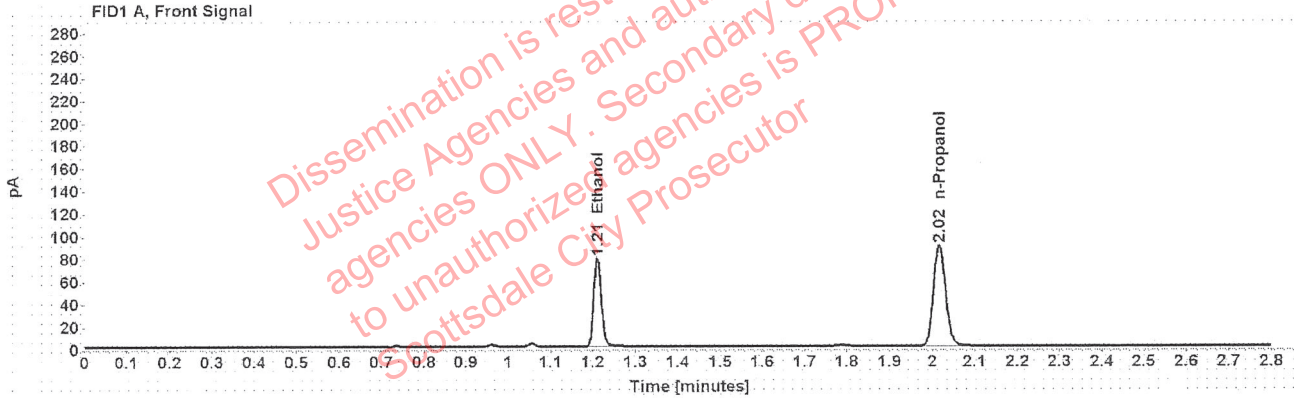


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1531	1.211	100.096
n-Propanol	-----	2.017	178.045

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

Compound	Time (min)	Peak Area
Ethanol	1.376	125.752
n-Propanol	2.469	222.606

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1326682	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:48:58 PM
Data file:	C:\Chem32\1\Data\15Jul20\15.D	Analyst:	Brooke

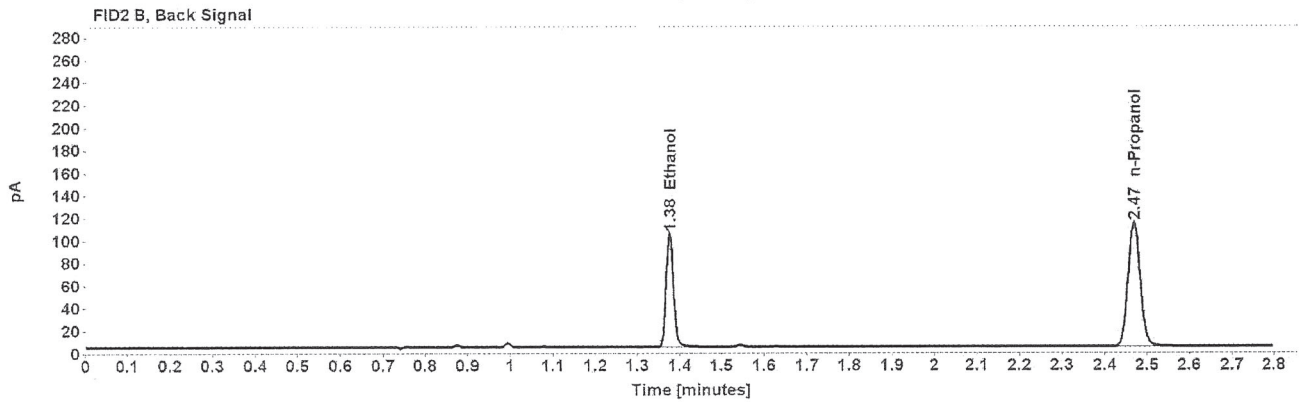
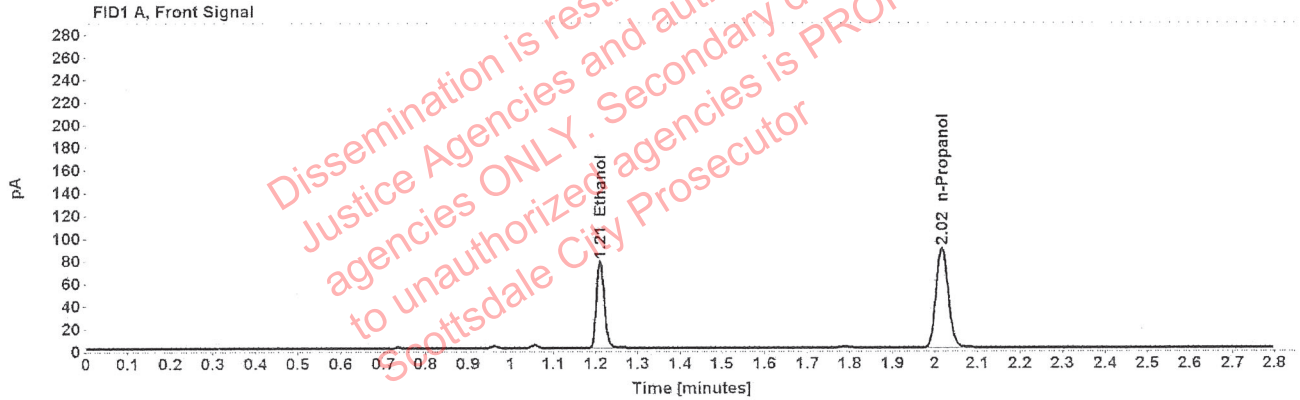


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1525	1.211	99.024
n-Propanol	-----	2.016	176.850

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

Compound	Time (min)	Peak Area
Ethanol	1.376	124.326
n-Propanol	2.468	221.116

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328189	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:53:00 PM
Data file:	C:\Chem32\1\Data\15Jul20\16.D	Analyst:	Brooke

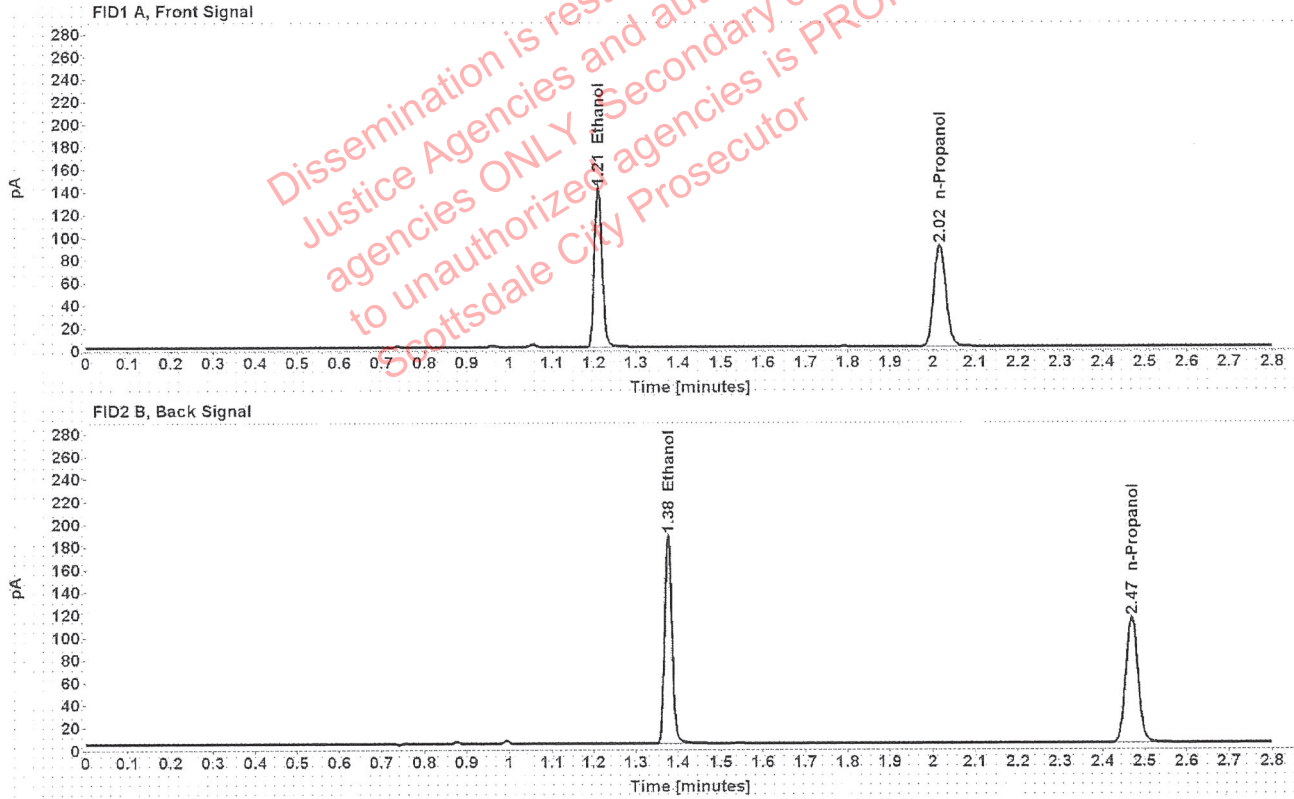


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2725	1.210	179.469
n-Propanol	-----	2.017	179.346

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

Compound	Time (min)	Peak Area
Ethanol	1.376	226.340
n-Propanol	2.469	224.339

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328189	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:56:58 PM
Data file:	C:\Chem32\1\Data\15Jul20\17.D	Analyst:	Brooke

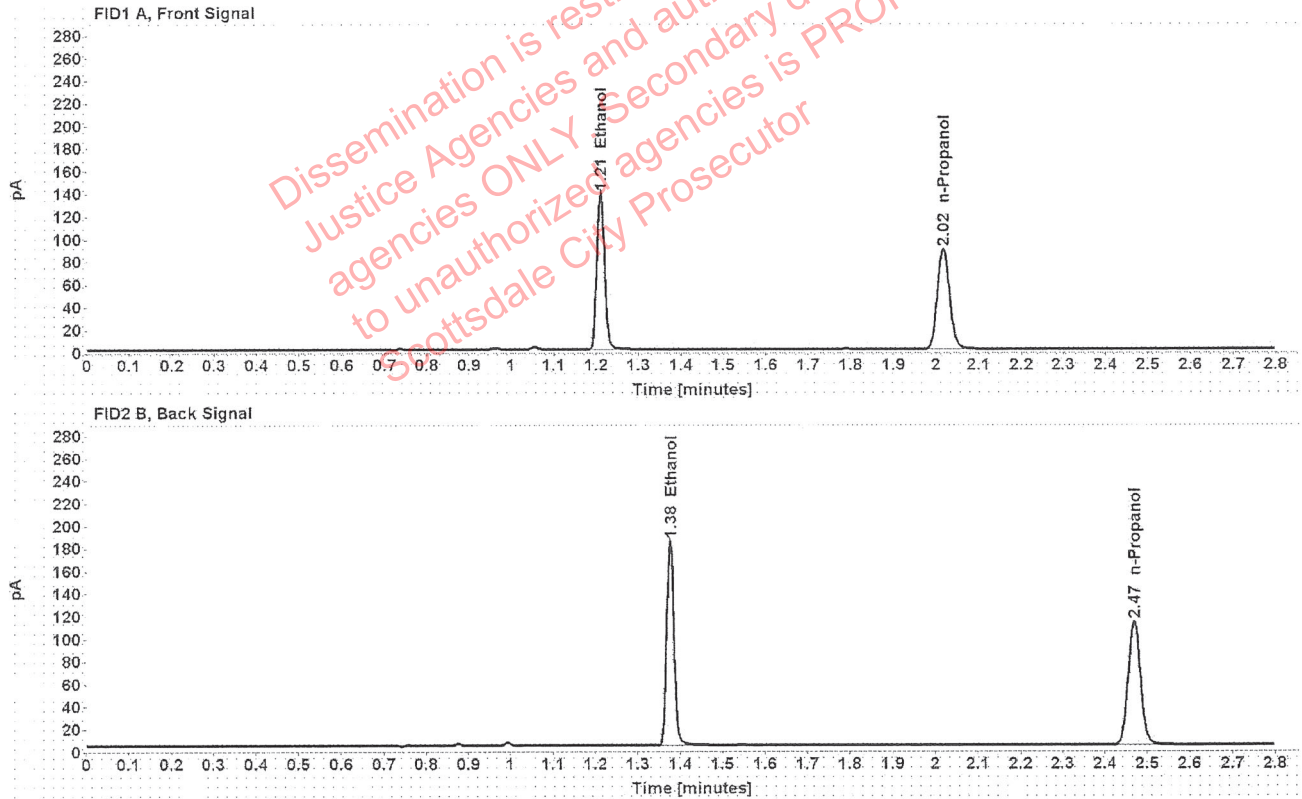


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2718	1.210	176.917
n-Propanol	-----	2.017	177.203

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

Compound	Time (min)	Peak Area
Ethanol	1.376	223.059
n-Propanol	2.469	221.654

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1325142	Vial: 18
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 1:00:59 PM
Data file: C:\Chem32\1\Data\15Jul20\18.D	Analyst: Brooke

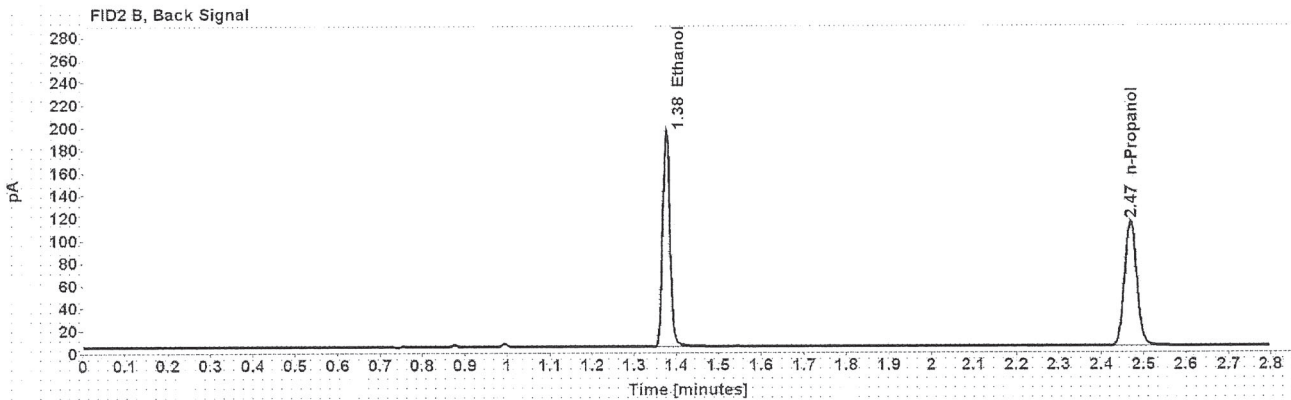
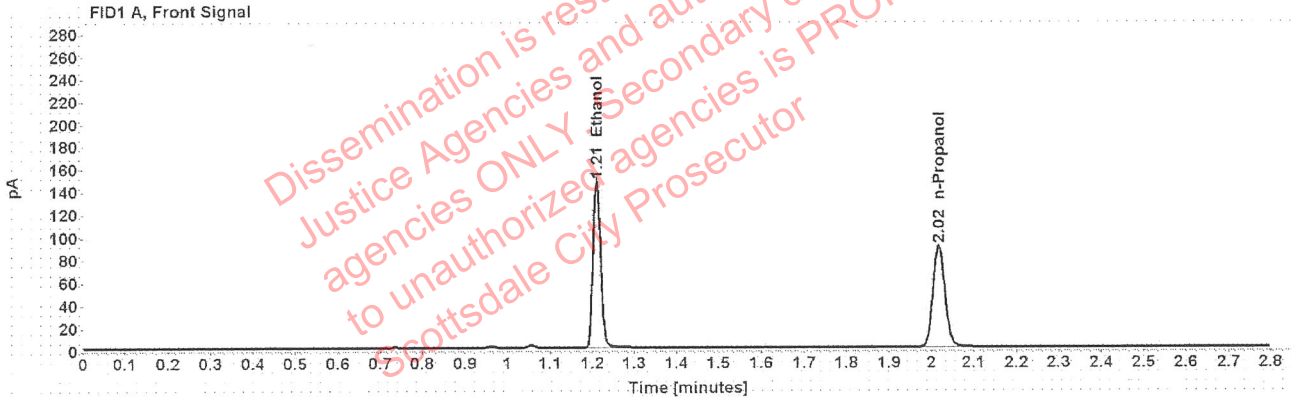


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2863	1.210	187.604
n-Propanol	-----	2.017	178.411

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

Compound	Time (min)	Peak Area
Ethanol	1.376	236.517
n-Propanol	2.469	223.012

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1325142	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:05:13 PM
Data file:	C:\Chem32\1\Data\15Jul20\19.D	Analyst:	Brooke

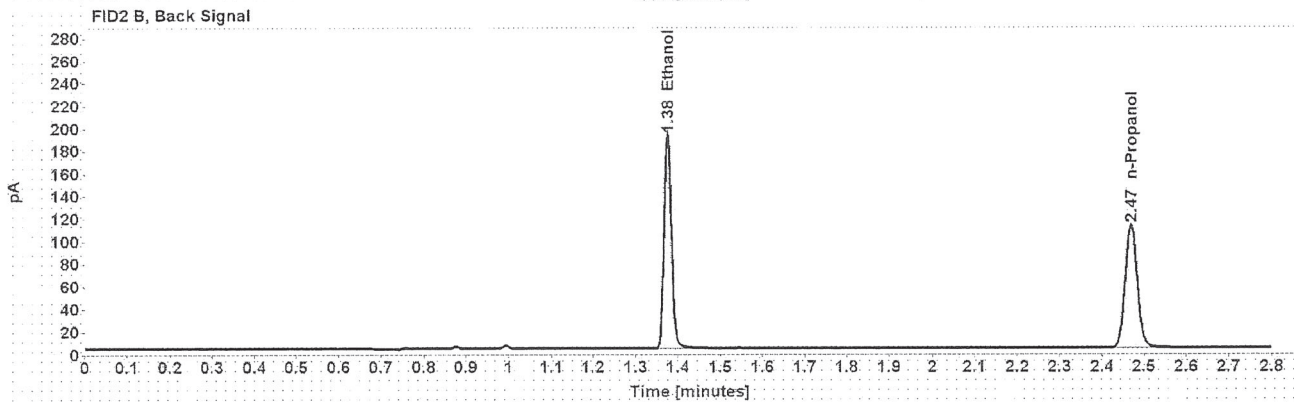
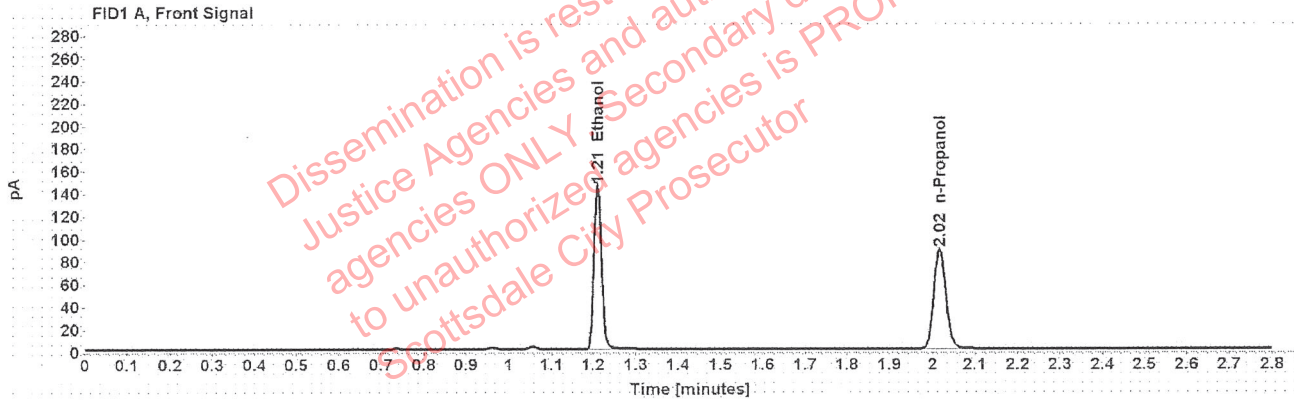


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2861	1.210	184.421
n-Propanol	-----	2.017	175.527

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

Compound	Time (min)	Peak Area
Ethanol	1.375	232.292
n-Propanol	2.469	219.340



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1294097	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:13:16 PM
Data file:	C:\Chem32\1\Data\15Jul20\21.D	Analyst:	Brooke

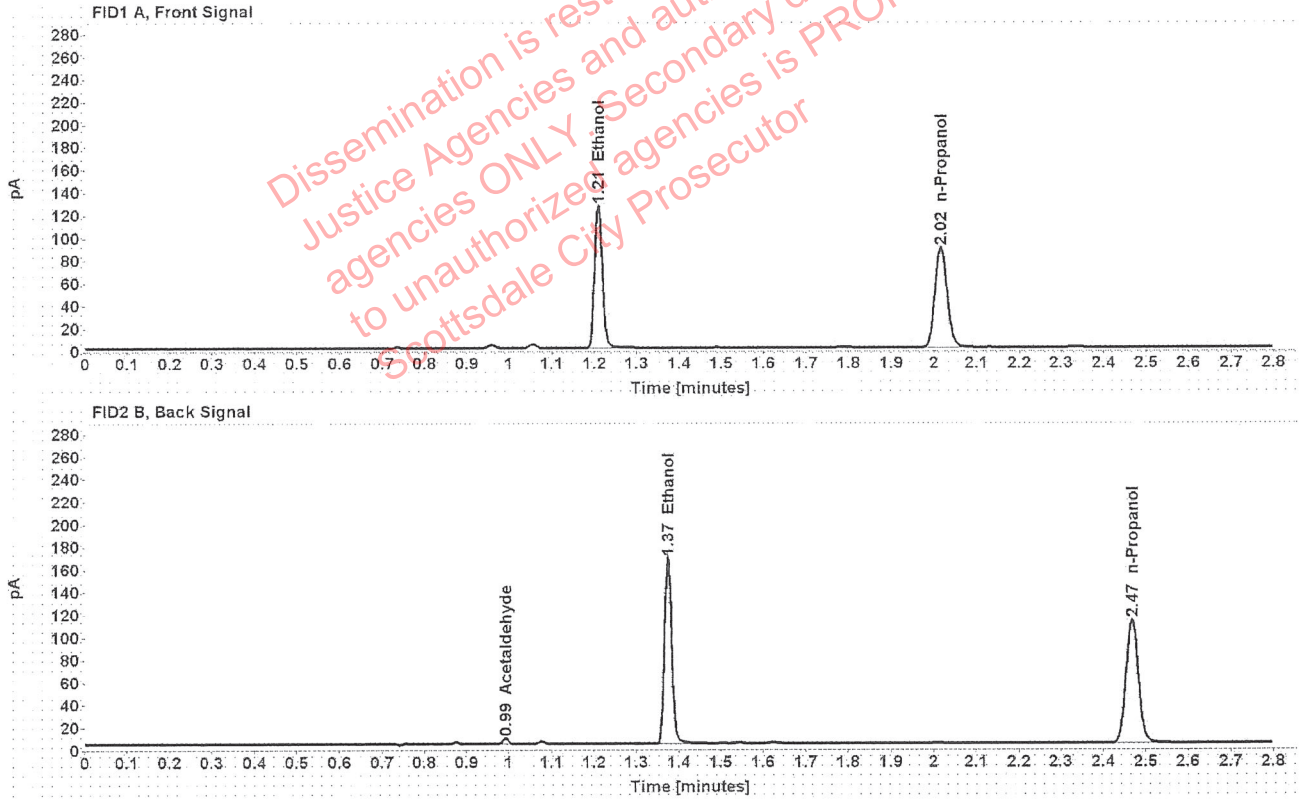


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2484	1.209	160.546
n-Propanol	-----	2.016	175.952

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.907
Ethanol	1.374	201.831
n-Propanol	2.467	220.828

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1294097	Vial: 22
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 1:17:14 PM
Data file: C:\Chem32\1\Data\15Jul20\22.D	Analyst: Brooke

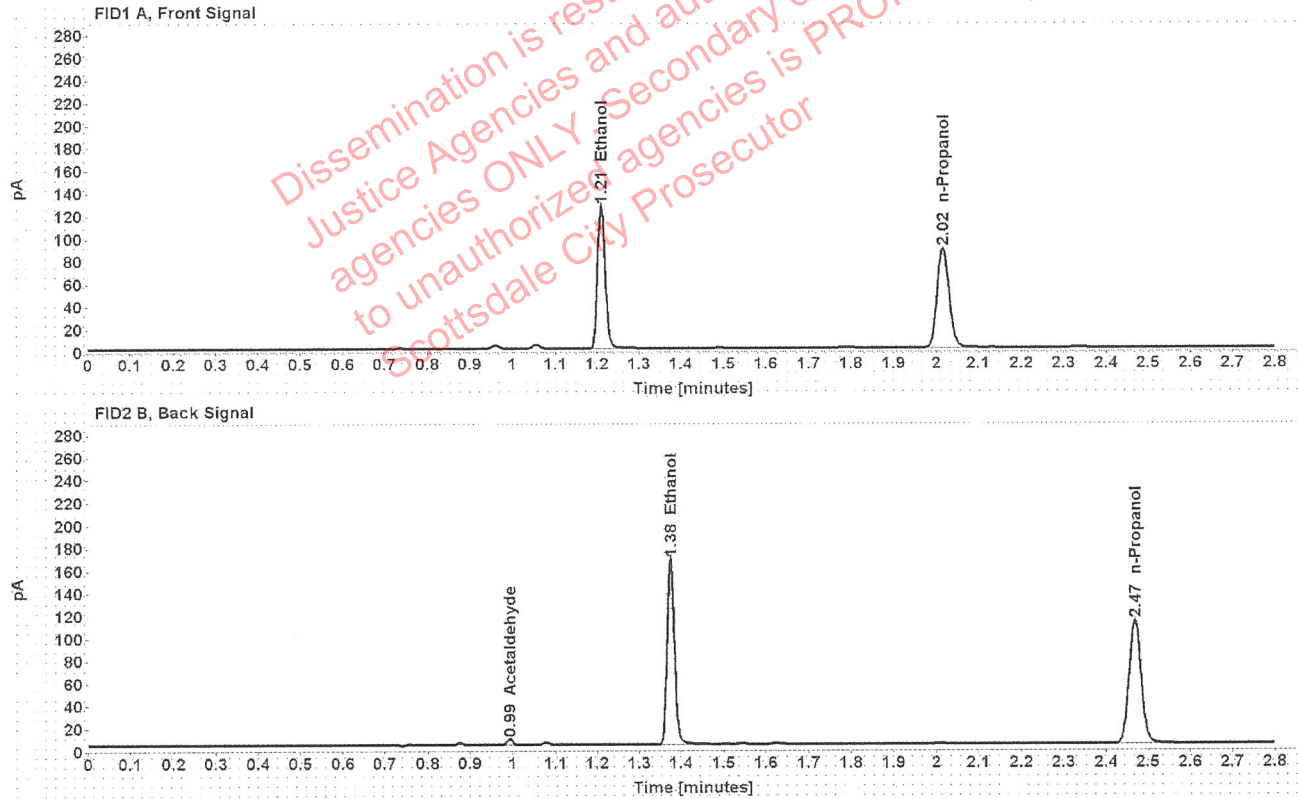


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2489	1.210	160.490
n-Propanol	-----	2.016	175.572

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.869
Ethanol	1.375	201.885
n-Propanol	2.468	220.149

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322048	Vial:	23
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:21:13 PM
Data file:	C:\Chem32\1\Data\15Jul20\23.D	Analyst:	Brooke

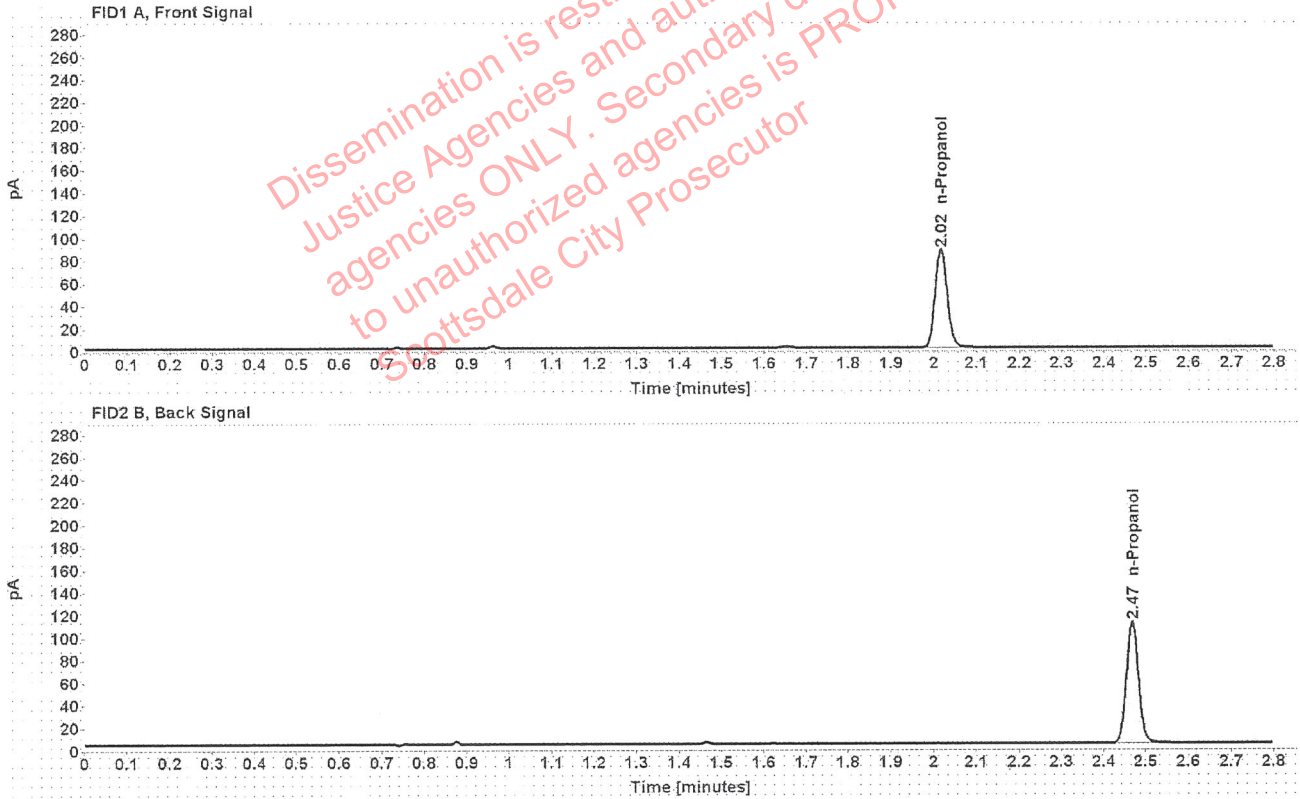


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	173.077

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	216.706

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322048	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:25:14 PM
Data file:	C:\Chem32\1\Data\15Jul20\24.D	Analyst:	Brooke

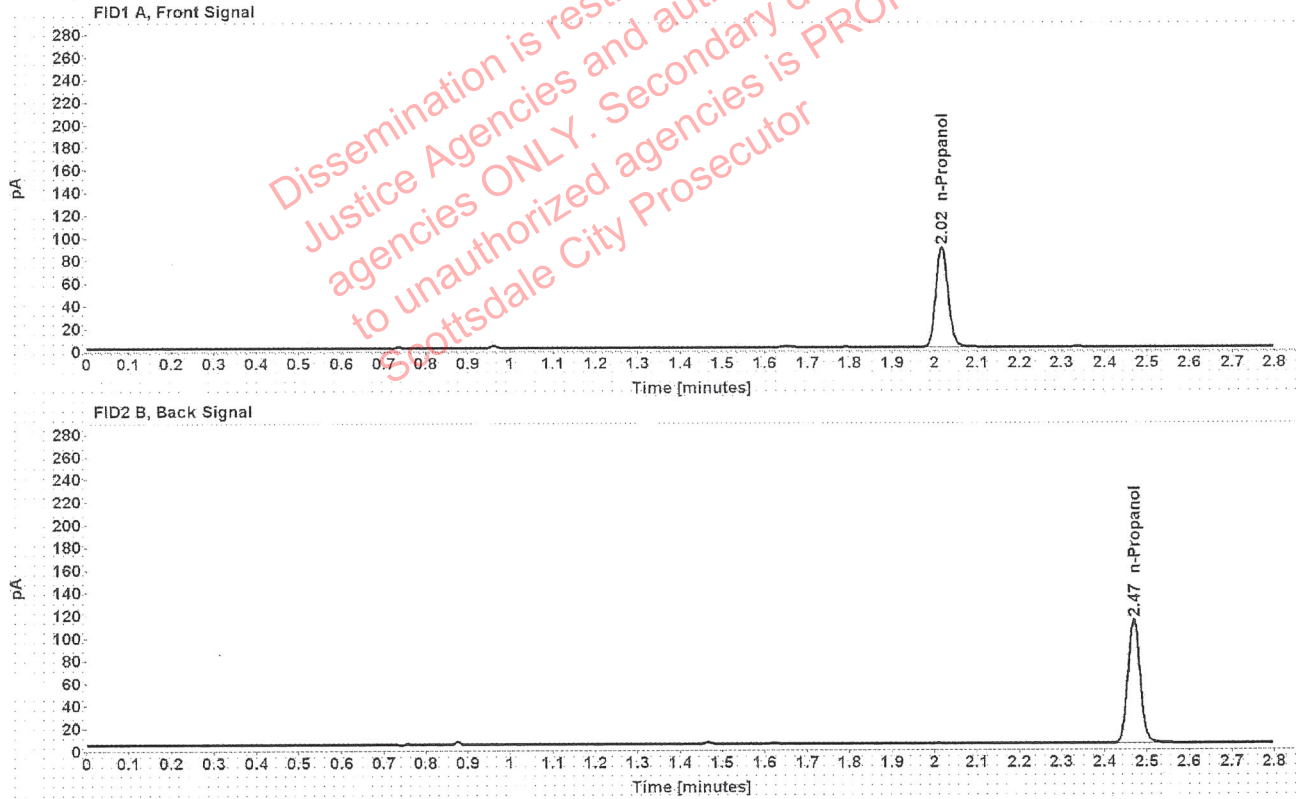


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	176.527

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	221.116

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329049	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:29:28 PM
Data file:	C:\Chem32\1\Data\15Jul20\25.D	Analyst:	Brooke

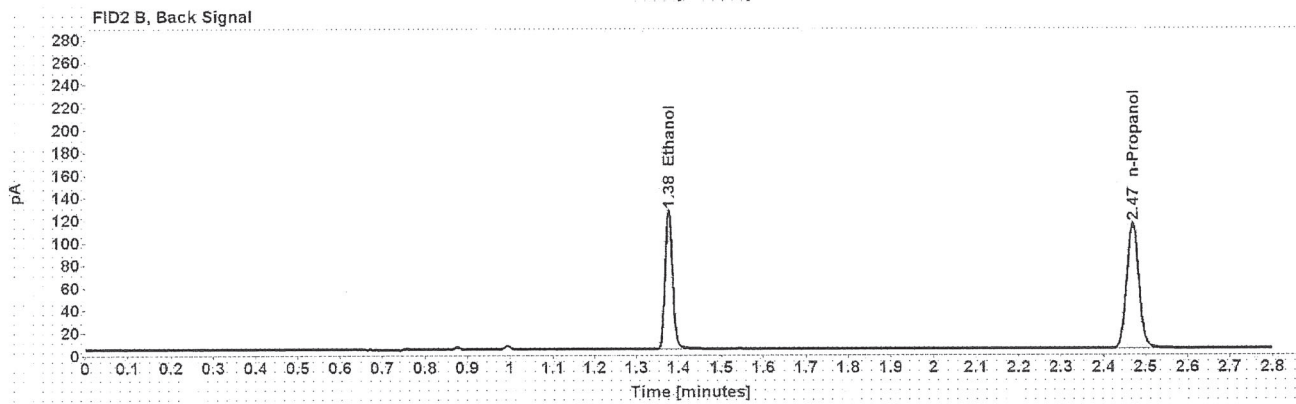
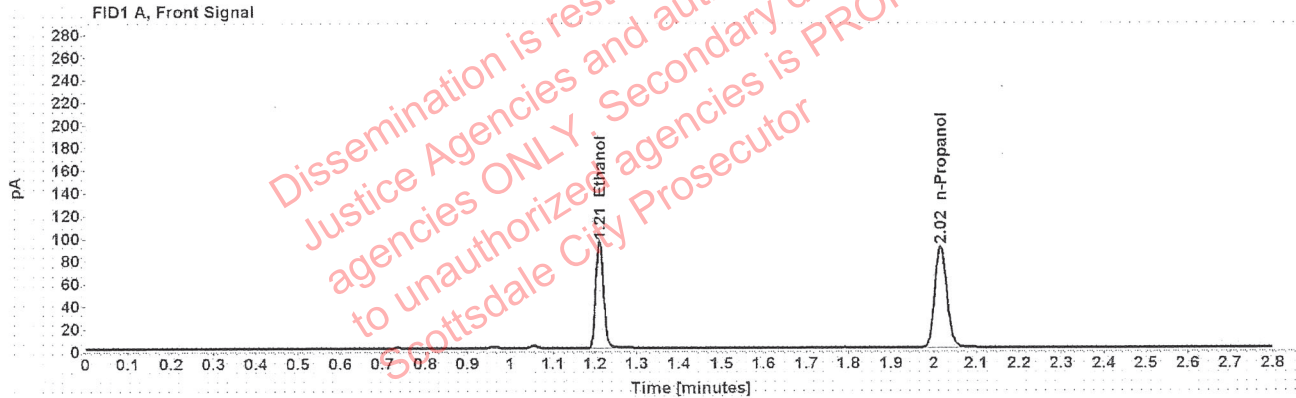


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1845	1.211	121.387
n-Propanol	-----	2.017	179.162

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

Compound	Time (min)	Peak Area
Ethanol	1.376	151.857
n-Propanol	2.469	223.684

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329049	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:33:30 PM
Data file:	C:\Chem32\1\Data\15Jul20\26.D	Analyst:	Brooke

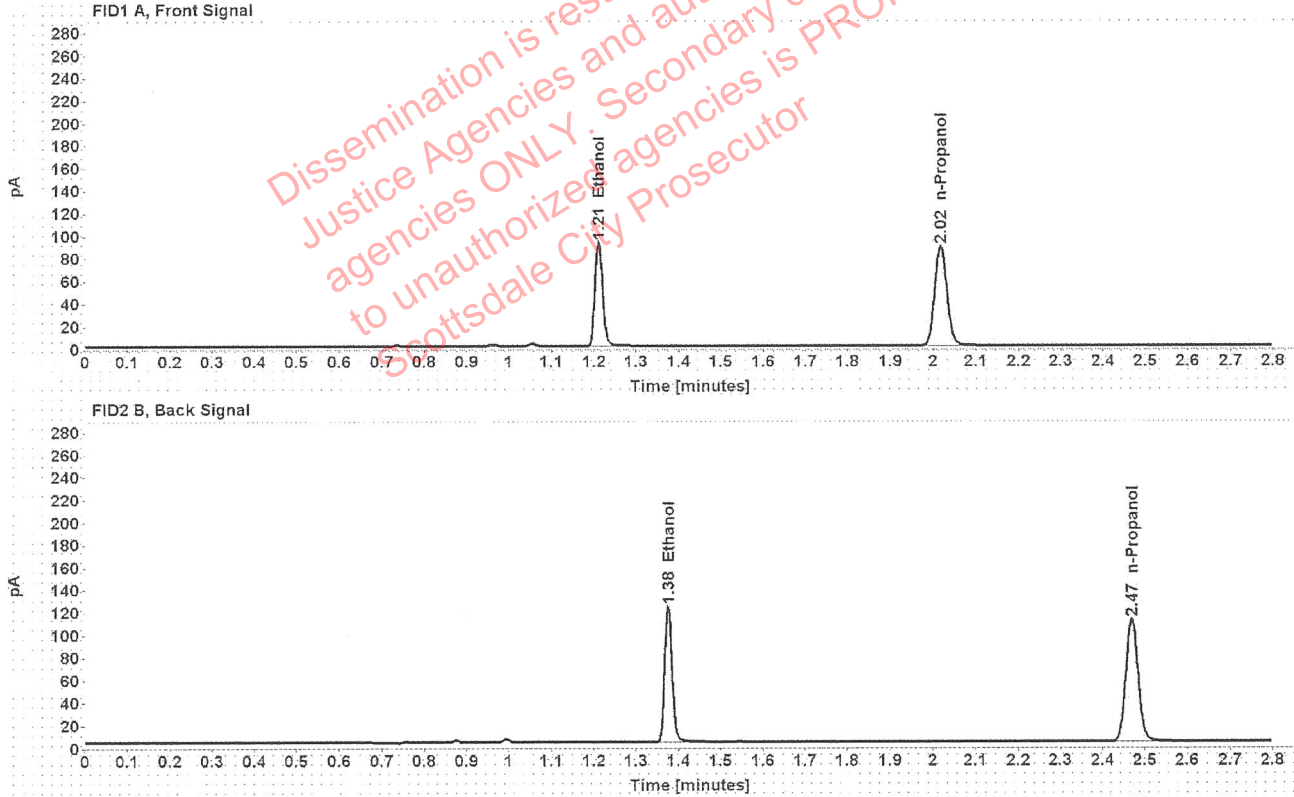


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1833	1.211	118.141
n-Propanol	-----	2.017	175.505

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

Compound	Time (min)	Peak Area
Ethanol	1.376	148.385
n-Propanol	2.469	219.006

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327737	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:37:28 PM
Data file:	C:\Chem32\1\Data\15Jul20\27.D	Analyst:	Brooke

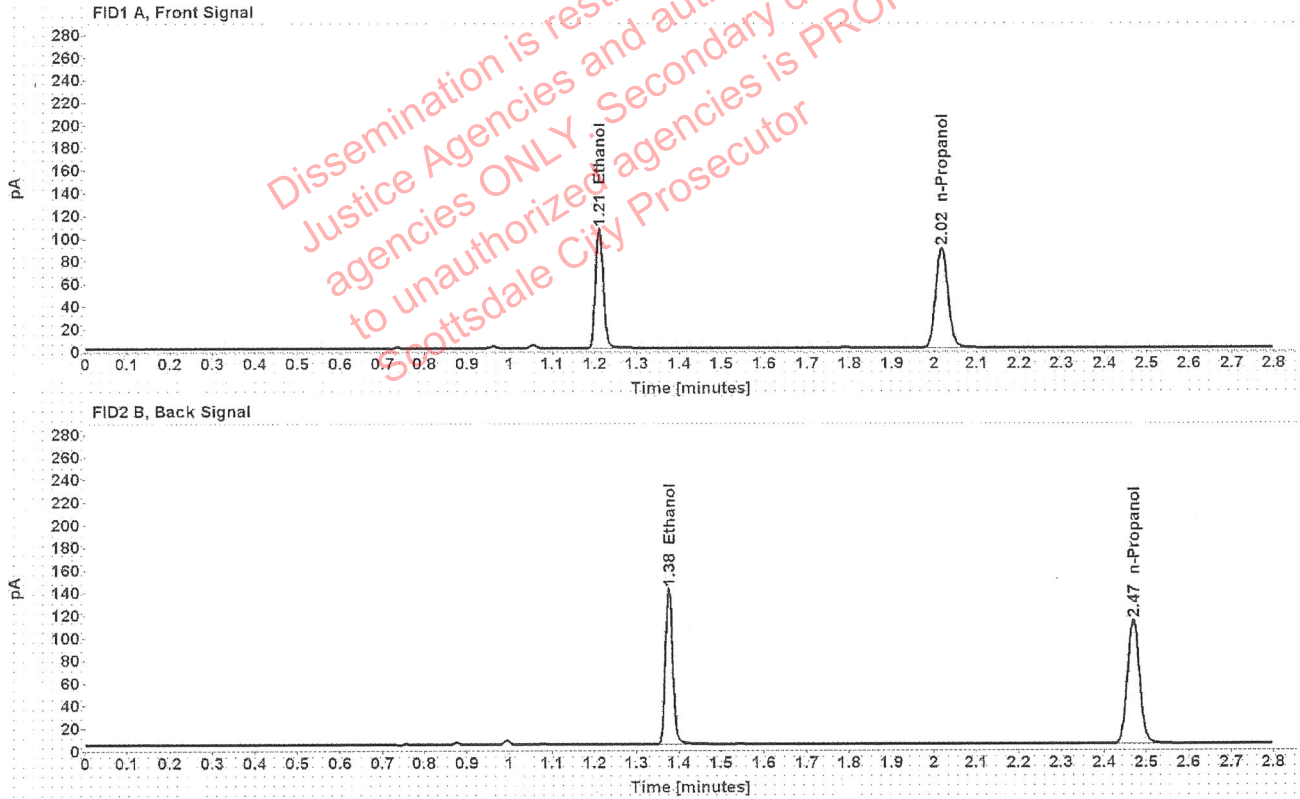


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2083	1.211	135.367
n-Propanol	-----	2.017	176.961

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

Compound	Time (min)	Peak Area
Ethanol	1.376	170.120
n-Propanol	2.469	221.087

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327737	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:41:30 PM
Data file:	C:\Chem32\1\Data\15Jul20\28.D	Analyst:	Brooke

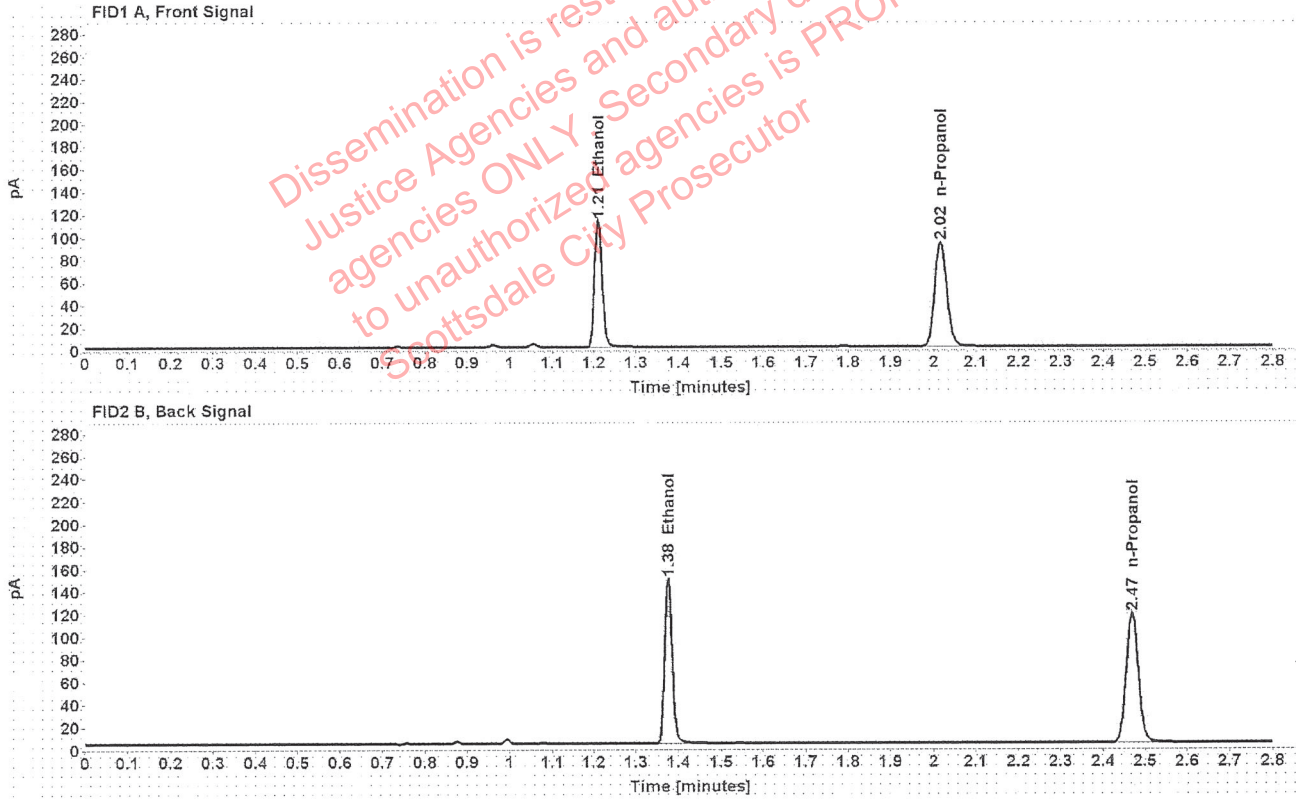


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2113	1.210	143.296
n-Propanol	-----	2.017	184.711

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

Compound	Time (min)	Peak Area
Ethanol	1.376	180.381
n-Propanol	2.469	230.569



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323976	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:45:28 PM
Data file:	C:\Chem32\1\Data\15Jul20\29.D	Analyst:	Brooke

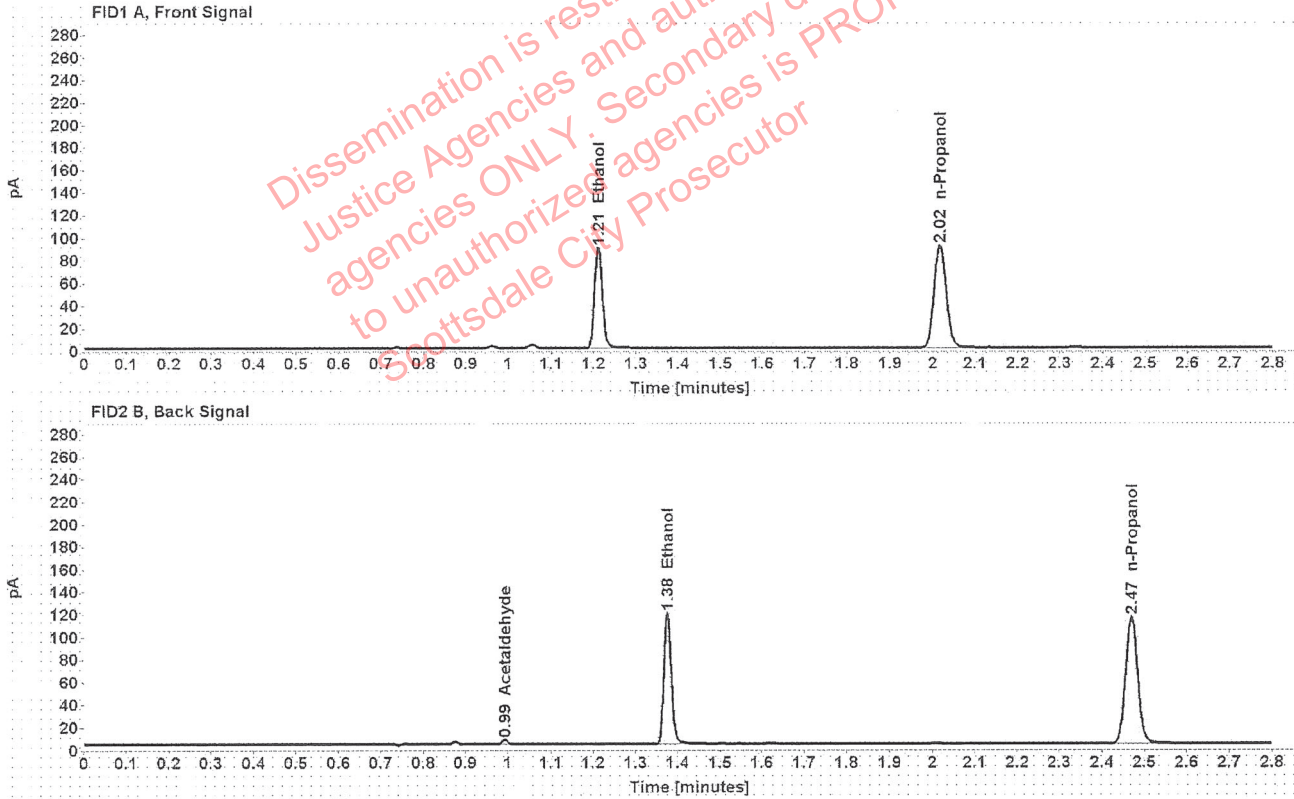


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1720	1.211	114.072
n-Propanol	-----	2.017	180.602

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.862
Ethanol	1.376	143.051
n-Propanol	2.469	226.144

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323976	Vial:	30
Description:	[redacted]	LIMS ID:	[redacted]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:49:29 PM
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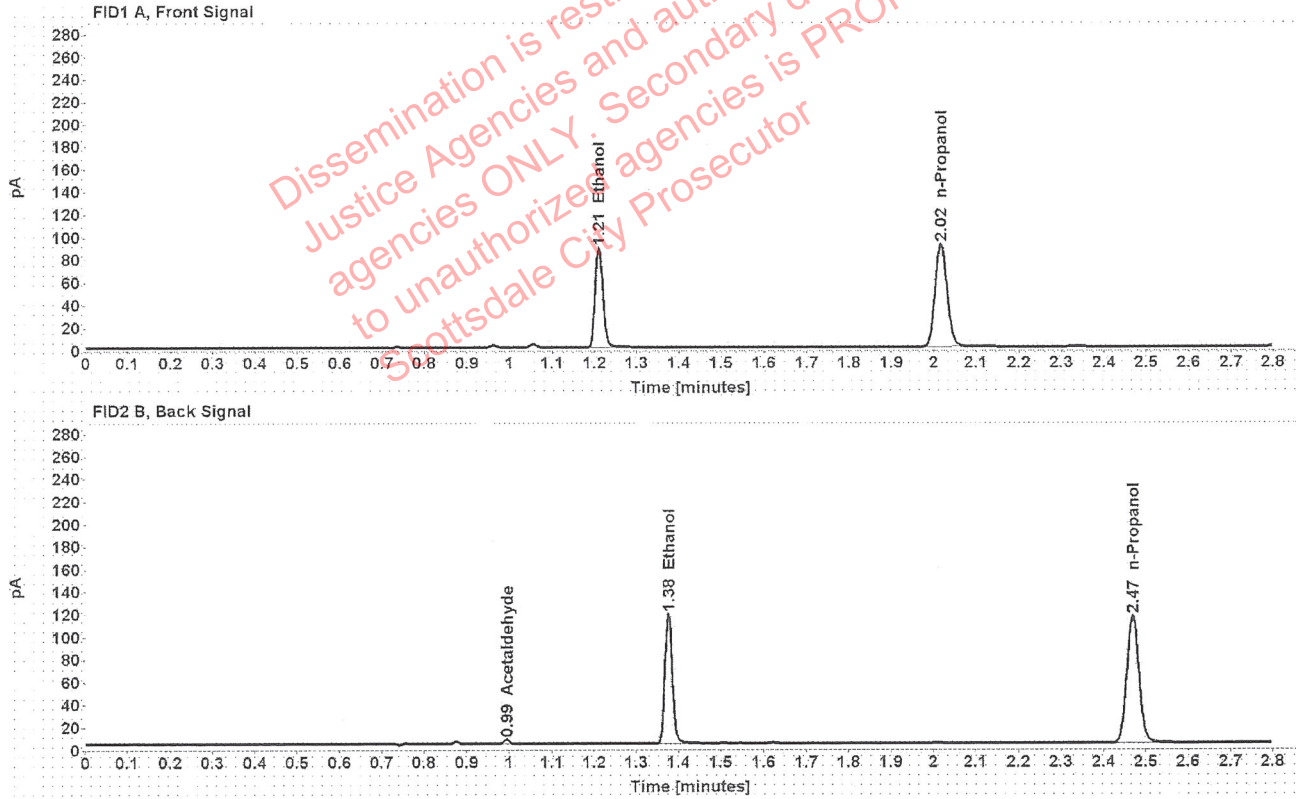


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1698	1.211	113.192
n-Propanol	-----	2.017	181.529

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.764
Ethanol	1.376	142.017
n-Propanol	2.469	227.328

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328506	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:57:43 PM
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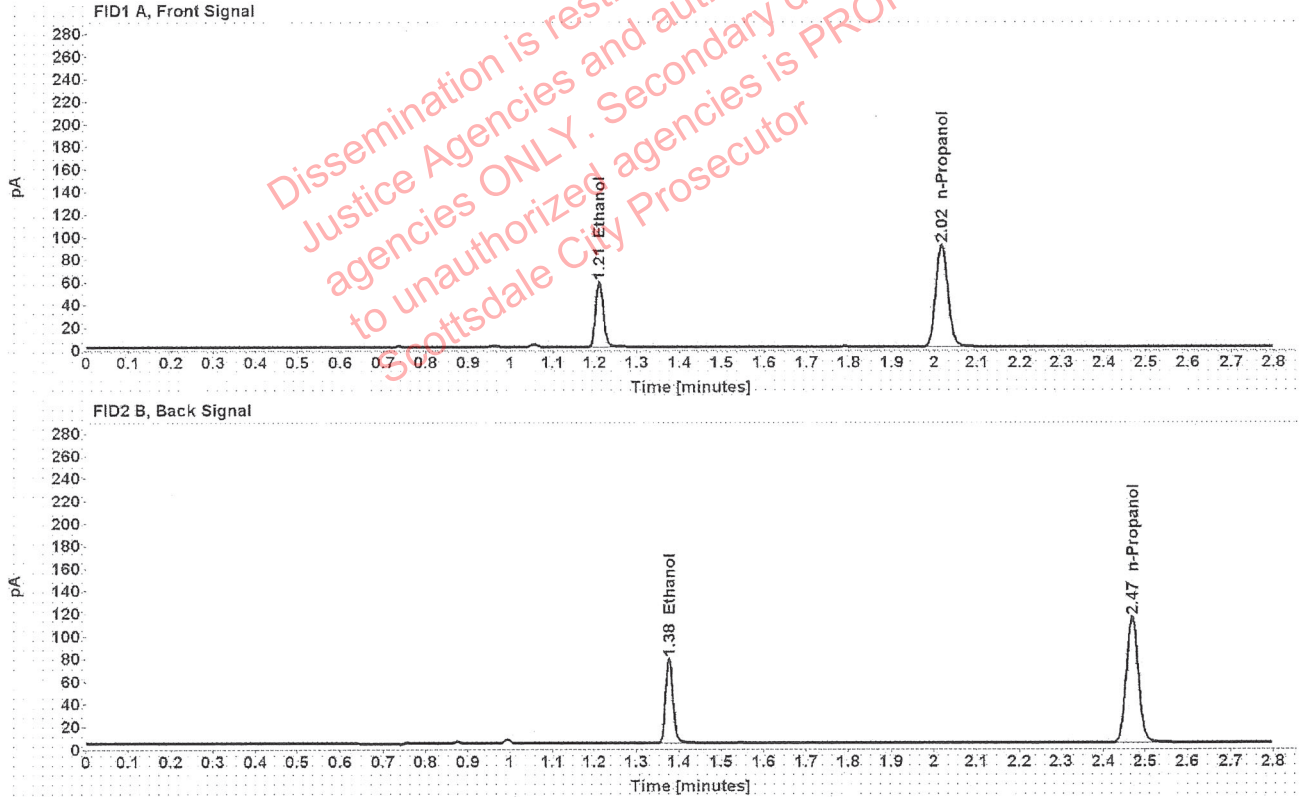


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1121	1.211	73.995
n-Propanol	-----	2.017	179.813

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

Compound	Time (min)	Peak Area
Ethanol	1.376	92.605
n-Propanol	2.469	224.622

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1328506	Vial: 33
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:01:45 PM
Data file: C:\Chem32\1\Data\15Jul20\33.D	Analyst: Brooke

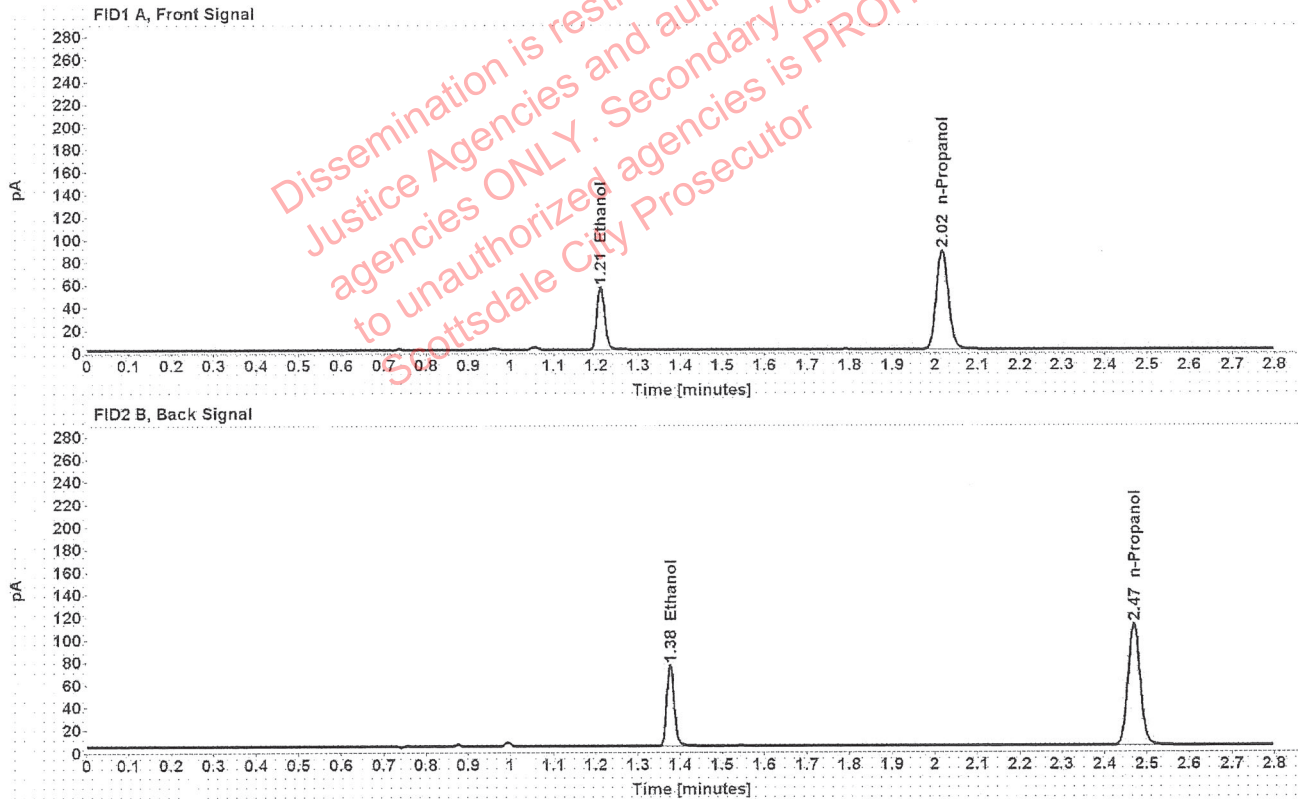


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1113	1.211	71.289
n-Propanol	-----	2.016	174.627

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

Compound	Time (min)	Peak Area
Ethanol	1.376	89.179
n-Propanol	2.468	217.866

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328948	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:05:44 PM
Data file:	C:\Chem32\1\Data\15Jul20\34.D	Analyst:	Brooke

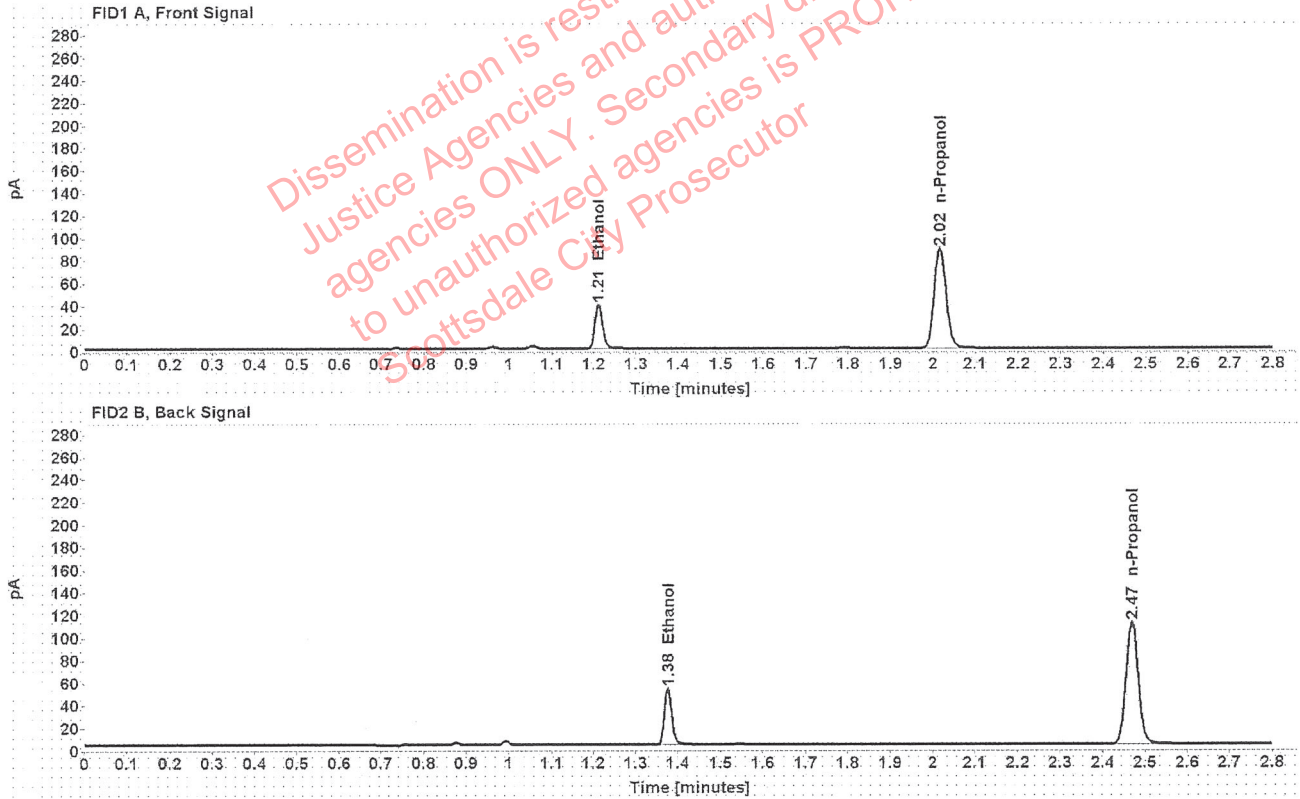


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0772	1.212	49.715
n-Propanol	-----	2.017	175.711

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

Compound	Time (min)	Peak Area
Ethanol	1.376	62.221
n-Propanol	2.469	219.123

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1328948	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:09:43 PM
Data file:	C:\Chem32\1\Data\15Jul20\35.D	Analyst:	Brooke

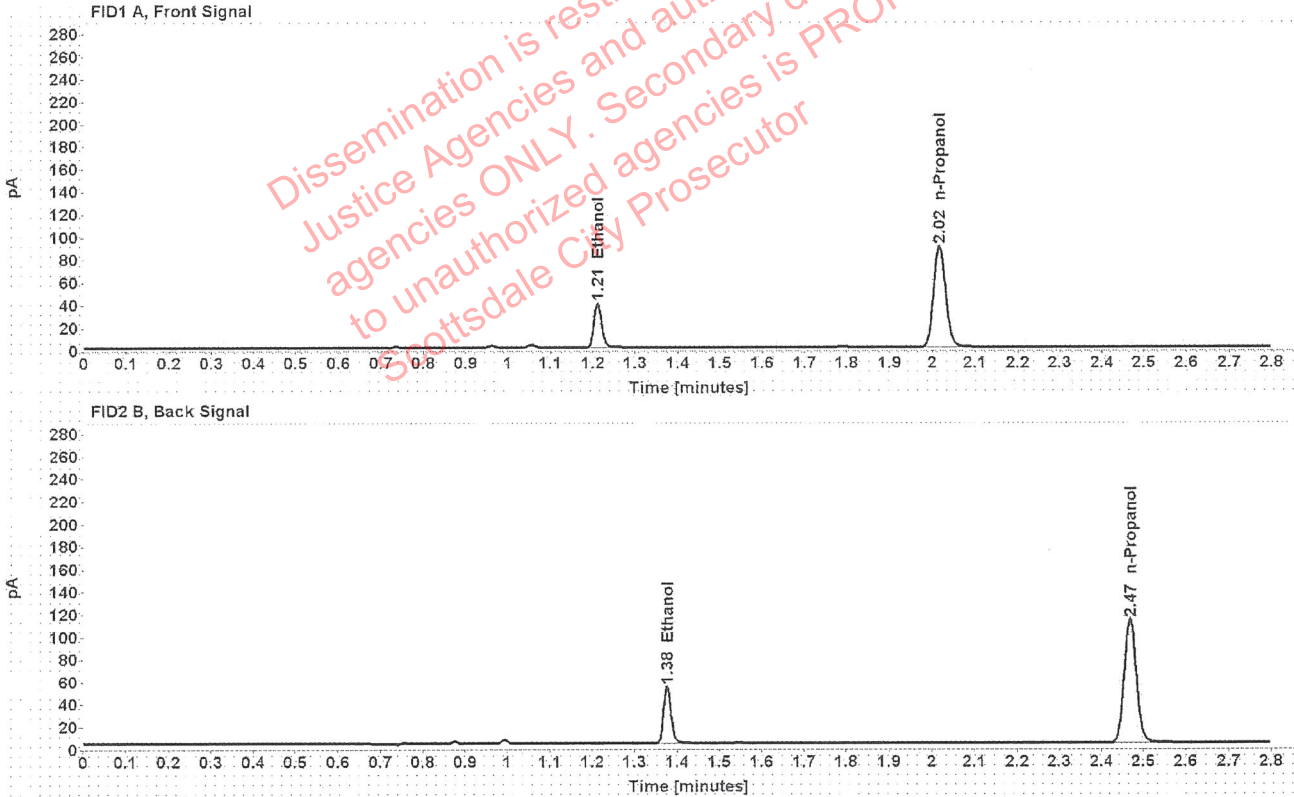


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0770	1.211	50.197
n-Propanol	-----	2.017	177.770

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

Compound	Time (min)	Peak Area
Ethanol	1.376	62.790
n-Propanol	2.469	221.810

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1302142	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:13:43 PM
Data file:	C:\Chem32\1\Data\15Jul20\36.D	Analyst:	Brooke

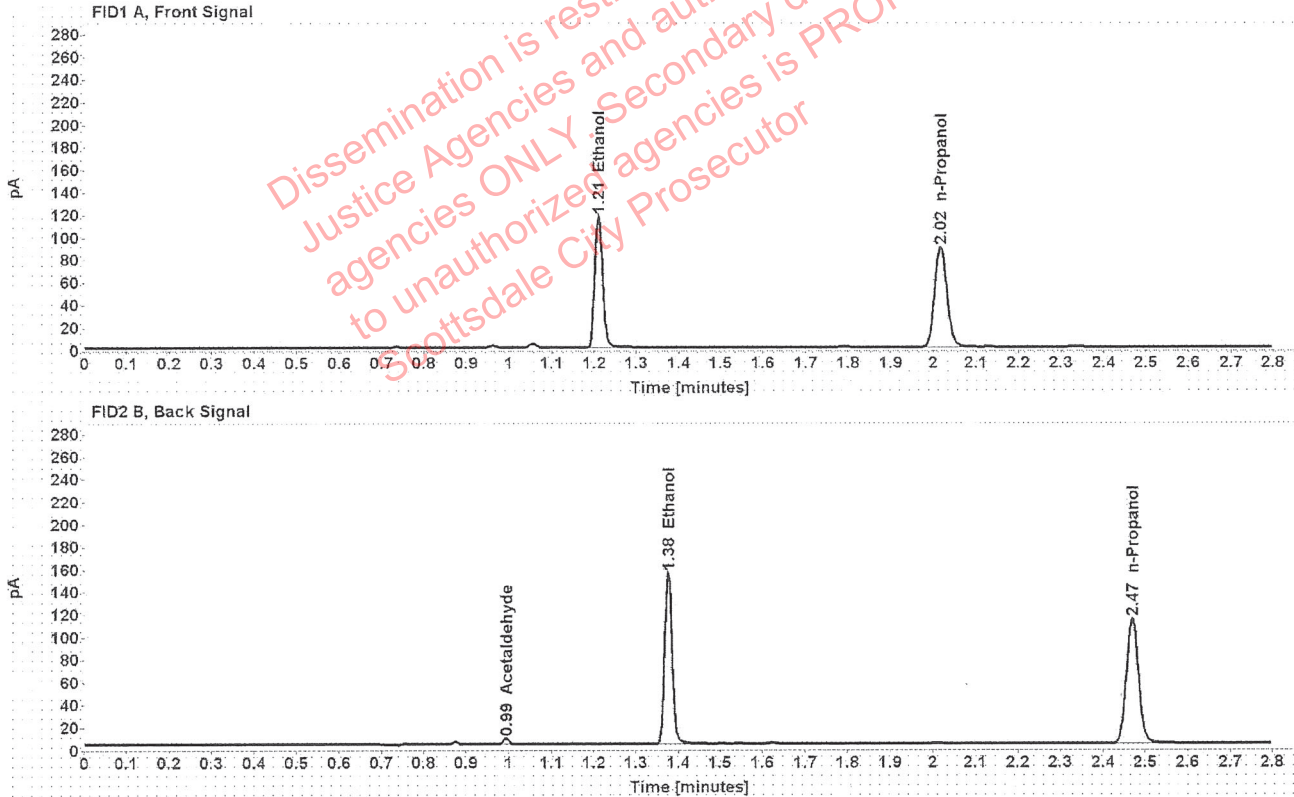


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2275	1.210	148.822
n-Propanol	-----	2.017	178.131

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.848
Ethanol	1.376	187.055
n-Propanol	2.469	223.181

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1302142	Vial: 37
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:17:59 PM
Data file: C:\Chem32\1\Data\15Jul20\37.D	Analyst: Brooke

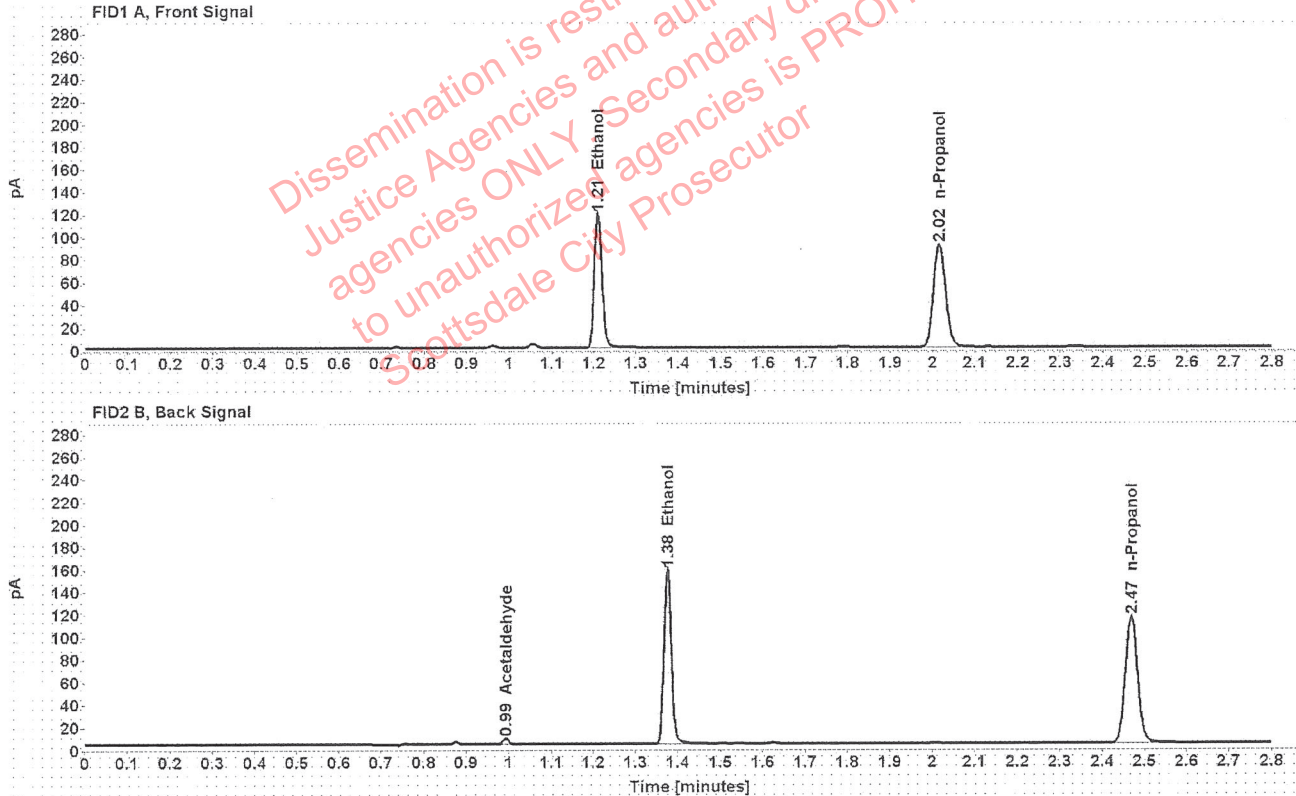


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2279	1.210	151.297
n-Propanol	-----	2.016	180.776

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.872
Ethanol	1.375	189.745
n-Propanol	2.468	226.658



### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288573	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:21:59 PM
Data file:	C:\Chem32\1\Data\15Jul20\38.D	Analyst:	Brooke

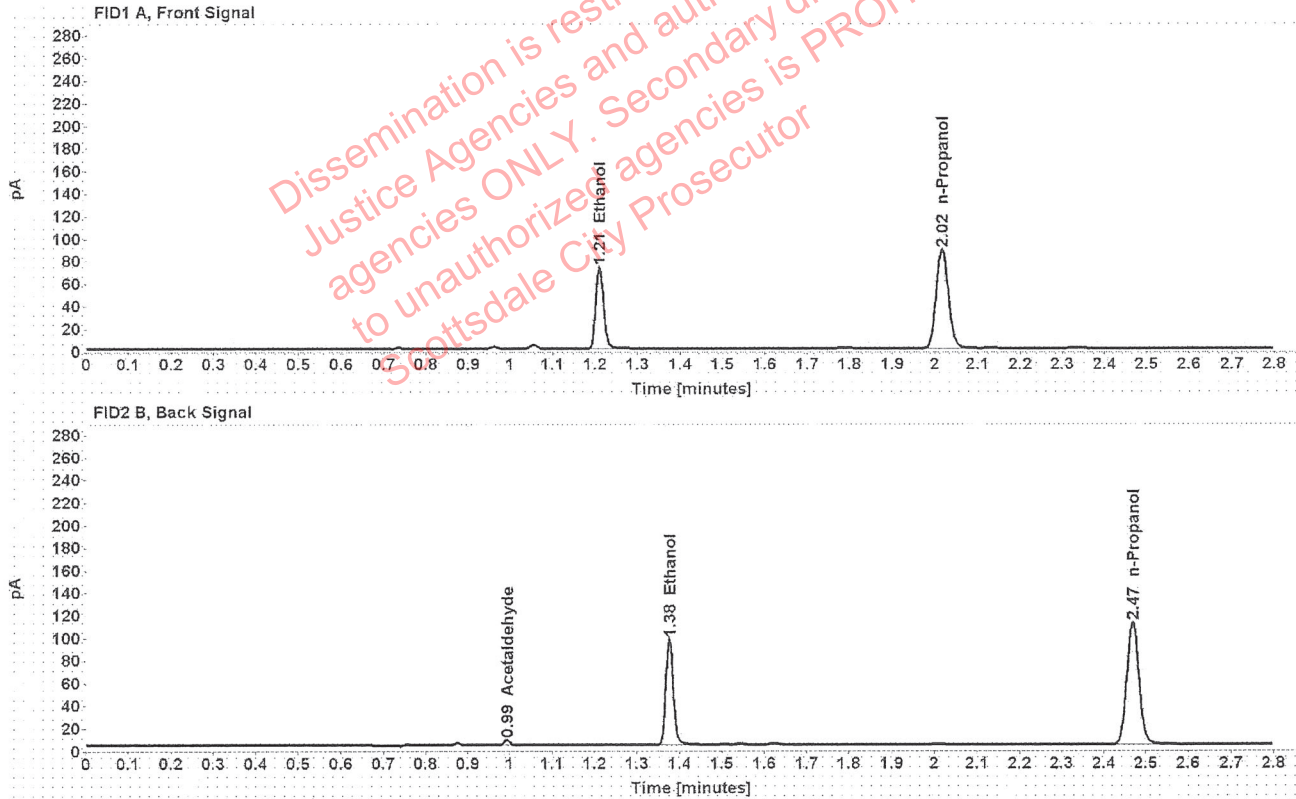


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1446	1.211	92.792
n-Propanol	-----	2.016	174.856

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.420
Ethanol	1.376	116.401
n-Propanol	2.468	219.079

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1288573	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:25:59 PM
Data file:	C:\Chem32\1\Data\15Jul20\39.D	Analyst:	Brooke

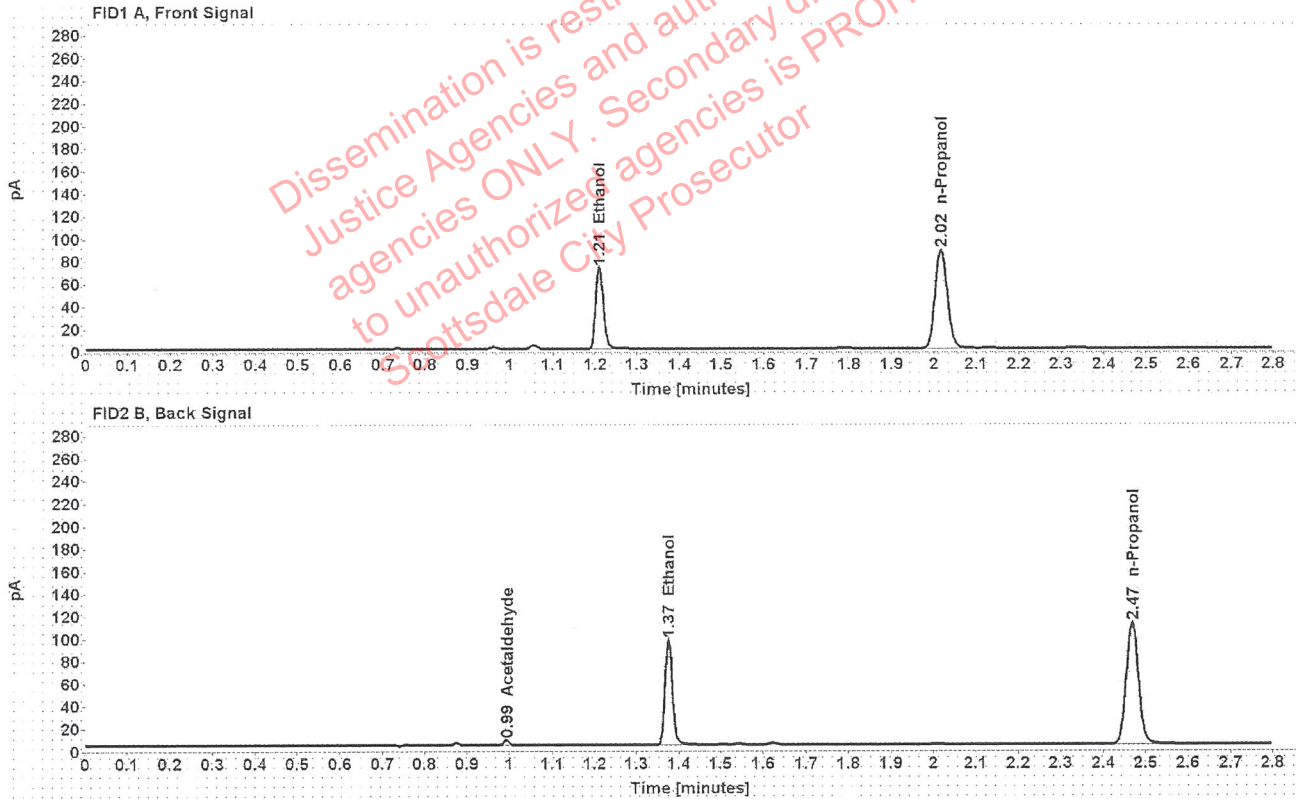


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1441	1.210	92.253
n-Propanol	-----	2.016	174.432

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.410
Ethanol	1.375	115.777
n-Propanol	2.468	218.576

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329163	Vial:	40
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:29:59 PM
Data file:	C:\Chem32\1\Data\15Jul20\40.D	Analyst:	Brooke

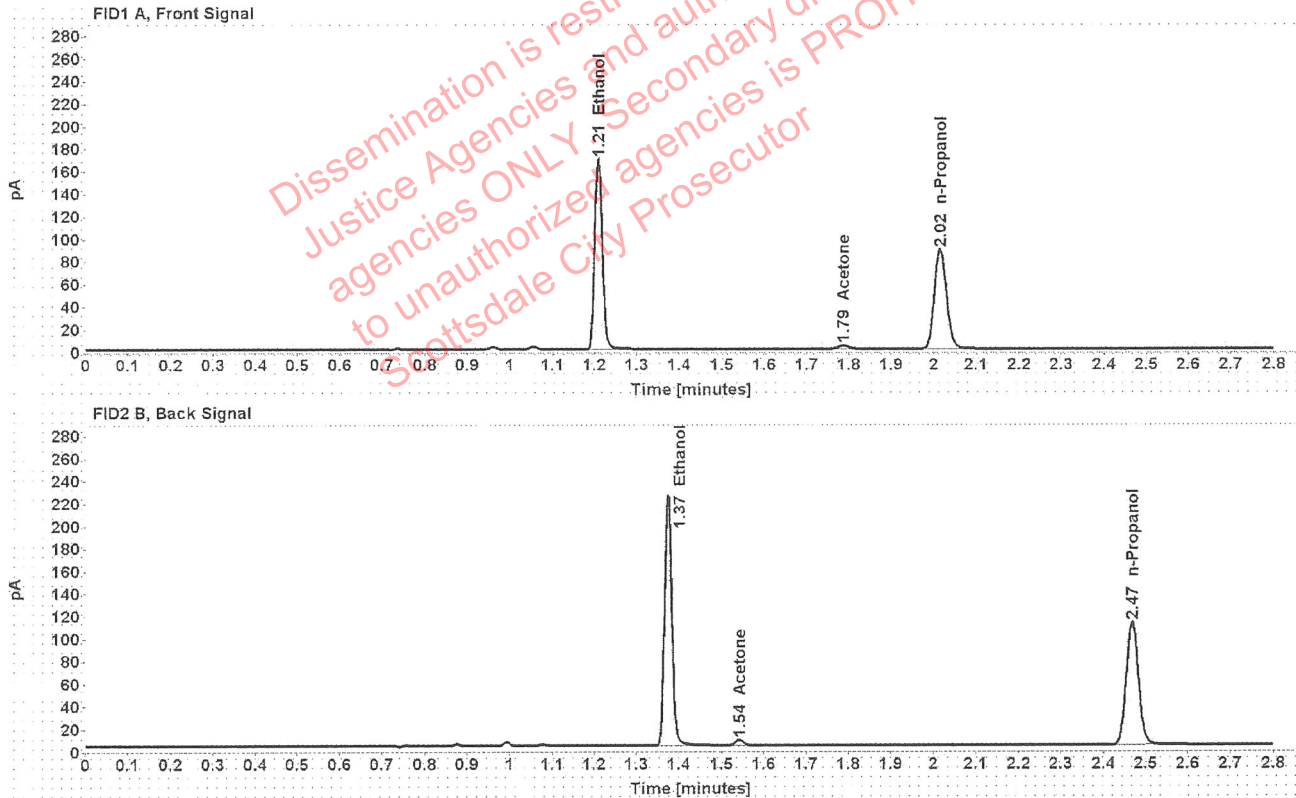


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3331	1.209	215.579
Acetone	-----	1.787	5.254
n-Propanol	-----	2.016	176.204

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

Compound	Time (min)	Peak Area
Ethanol	1.374	271.896
Acetone	1.542	6.474
n-Propanol	2.467	219.558

### Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329163	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:33:58 PM
Data file:	C:\Chem32\1\Data\15Jul20\41.D	Analyst:	Brooke

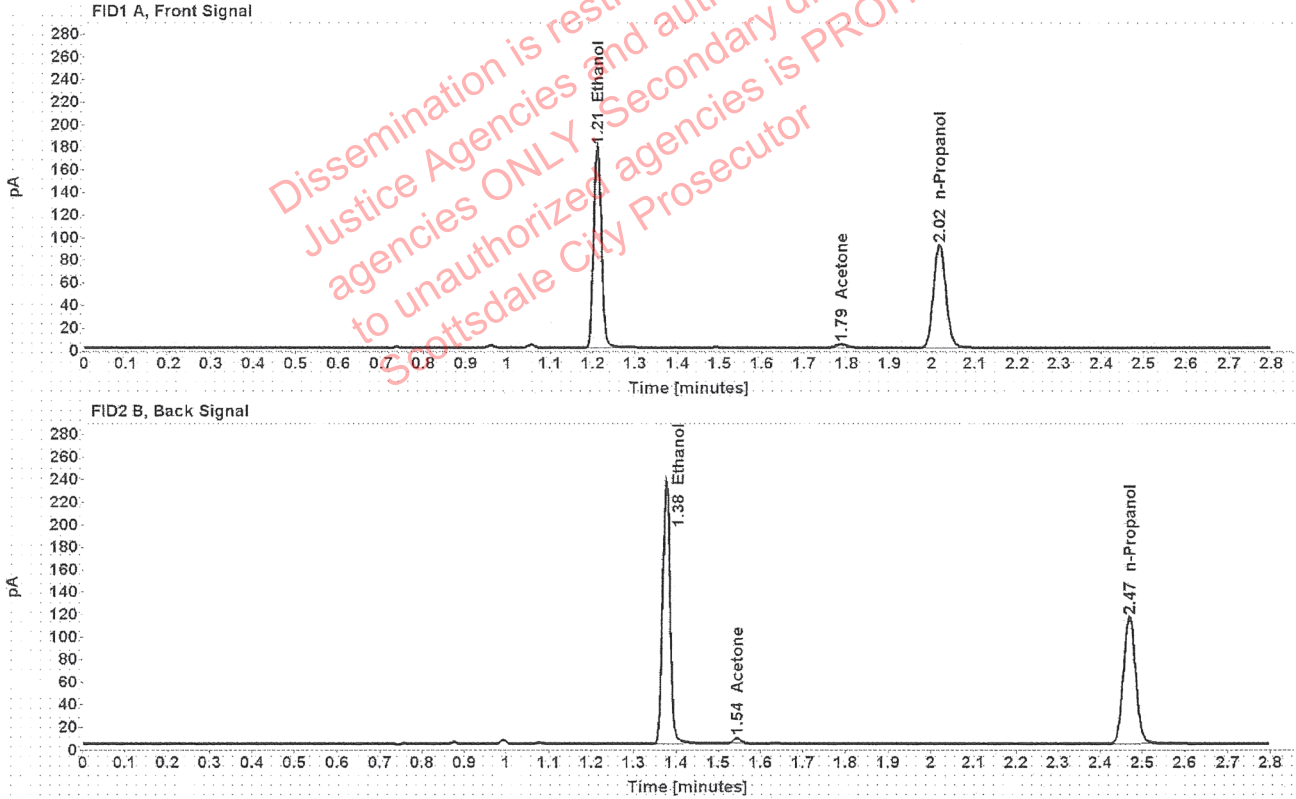


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3395	1.210	227.539
Acetone	-----	1.788	5.292
n-Propanol	-----	2.017	182.467

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

Compound	Time (min)	Peak Area
Ethanol	1.376	287.023
Acetone	1.543	6.461
n-Propanol	2.469	227.613

# Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN06141806	Vial:	43
Description:	Cerilliant, 0.020	LIMS ID:	validation
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 2:42:13 PM
Data file:	C:\Chem32\1\Data\15Jul20\43.D	Analyst:	Brooke <sup>98</sup>

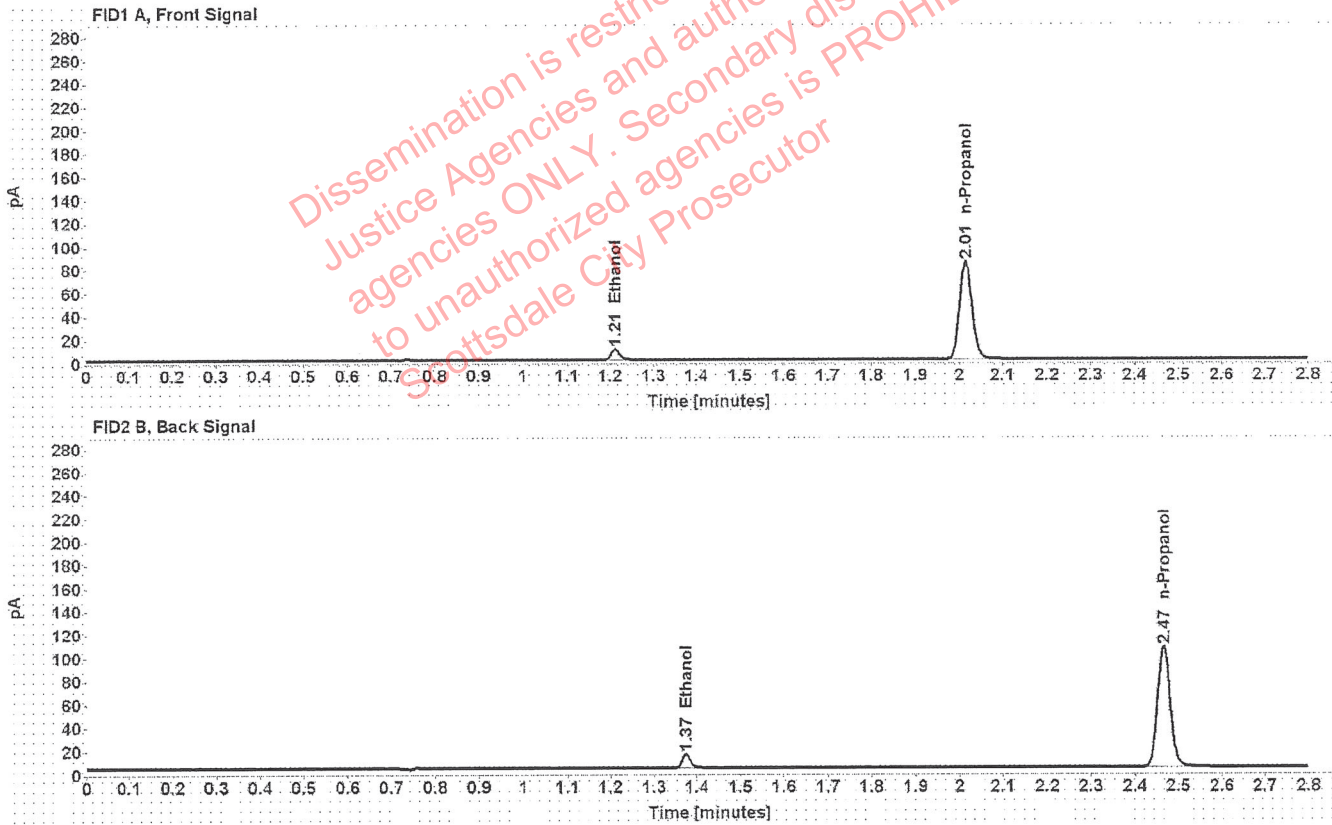


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0197	1.211	12.087
n-Propanol	-----	2.015	168.352

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

Compound	Time (min)	Peak Area
Ethanol	1.374	15.172
n-Propanol	2.466	209.918

# Scottsdale Police Department Crime Lab Volatiles Analysis

<b>Sample:</b> FN06141806	<b>Vial:</b> 44
<b>Description:</b> Cerilliant, 0.020	<b>LIMS ID:</b> validation
<b>Method:</b> ethanol quant.M	<b>Sequence:</b> 15Jul20
<b>Instrument:</b> US14173023 CN14160045	<b>Injection date:</b> 7/15/2020 2:46:13 PM
<b>Data file:</b> C:\Chem32\1\Data\15Jul20\44.D	<b>Analyst:</b> Brooke <i>YB</i>

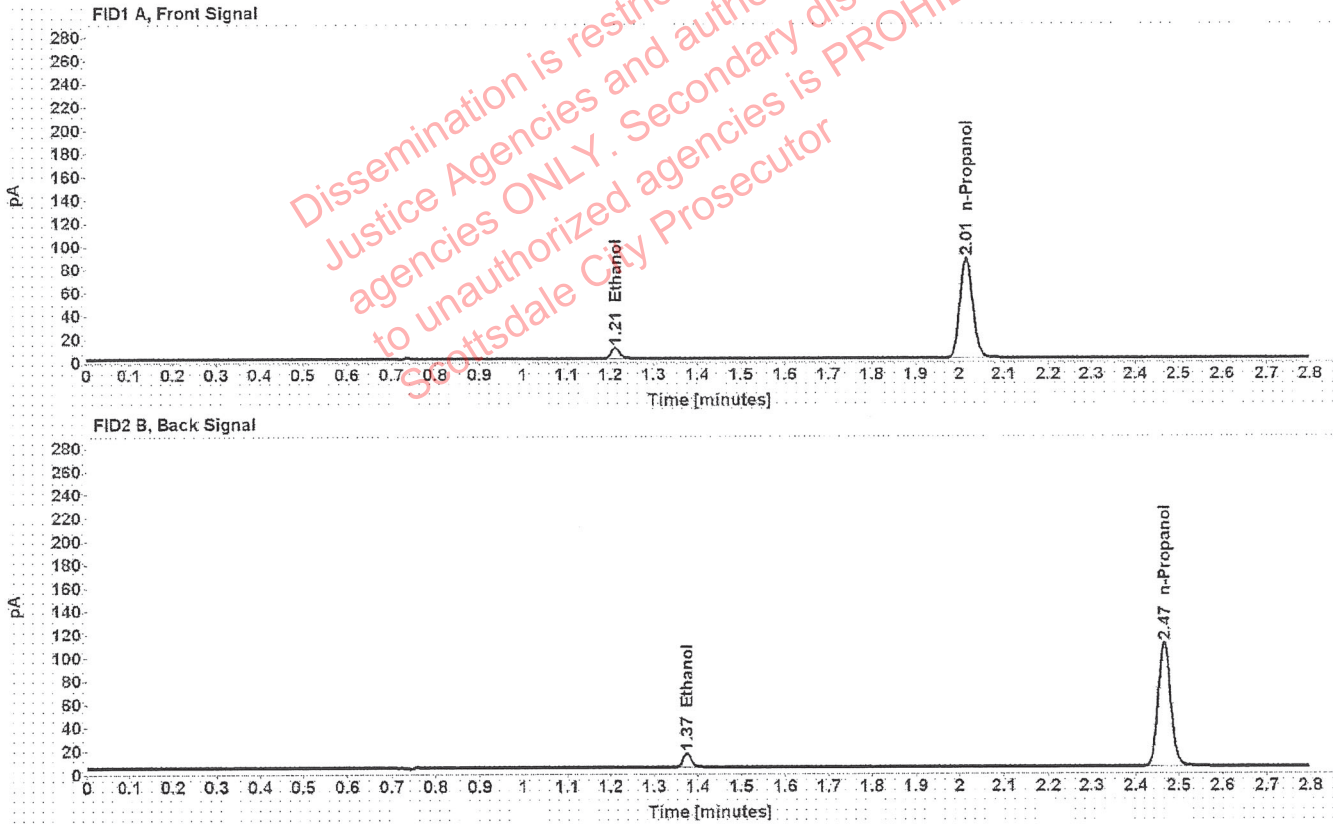


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0196	1.211	12.304
n-Propanol	-----	2.015	172.513

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

Compound	Time (min)	Peak Area
Ethanol	1.375	15.518
n-Propanol	2.466	215.351