

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 5/27/20 SEQUENCE NAME 27May20 1

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN02271802 0.99996
 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	0.398 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	0.200 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.082 g/dL	Lipomed 03102016-A/1
42	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
43	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
44	Blood control	0.198 g/dL	0.201 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 Philip Brooks Analyst
 Run valid Run invalid Erika Canonico Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

JPS

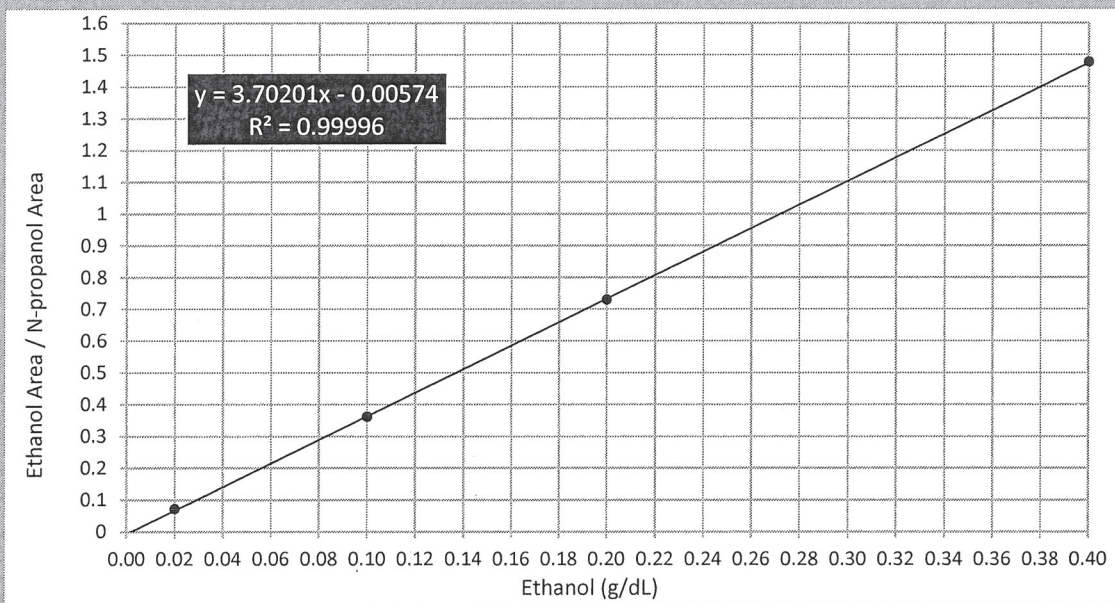
SEQUENCE NAME: 27May20 1

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 Lipomed 11092018-A	7	0.398	0.400	0.50	-0.002
0.040 Lipomed 14082019-B	8	0.041	0.040	2.50	0.001
0.198 ACQ 407041529/13	9	0.200	0.198	1.01	0.002
0.080 Lipomed 03102016-A/1	20	0.080	0.080	0.00	0.000
0.080 Lipomed 03102016-A/1	31	0.082	0.080	2.50	0.002
0.400 Lipomed 11092018-A	42	0.399	0.400	0.25	-0.001
0.040 Lipomed 14082019-B	43	0.040	0.040	0.00	0.000
0.198 ACQ 407041529/13	44	0.201	0.198	1.52	0.003
blank 040919WB	45	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	12.005	165.873	0.072
0.100	59.982	165.753	0.362
0.200	121.327	166.024	0.731
0.400	245.397	166.096	1.477

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 27May20 1
Method: ethanol quant.M	Injection date: 5/27/2020 11:28:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>FB</i>
Data file: C:\Chem32\1\Data\27May20 1\1.D	

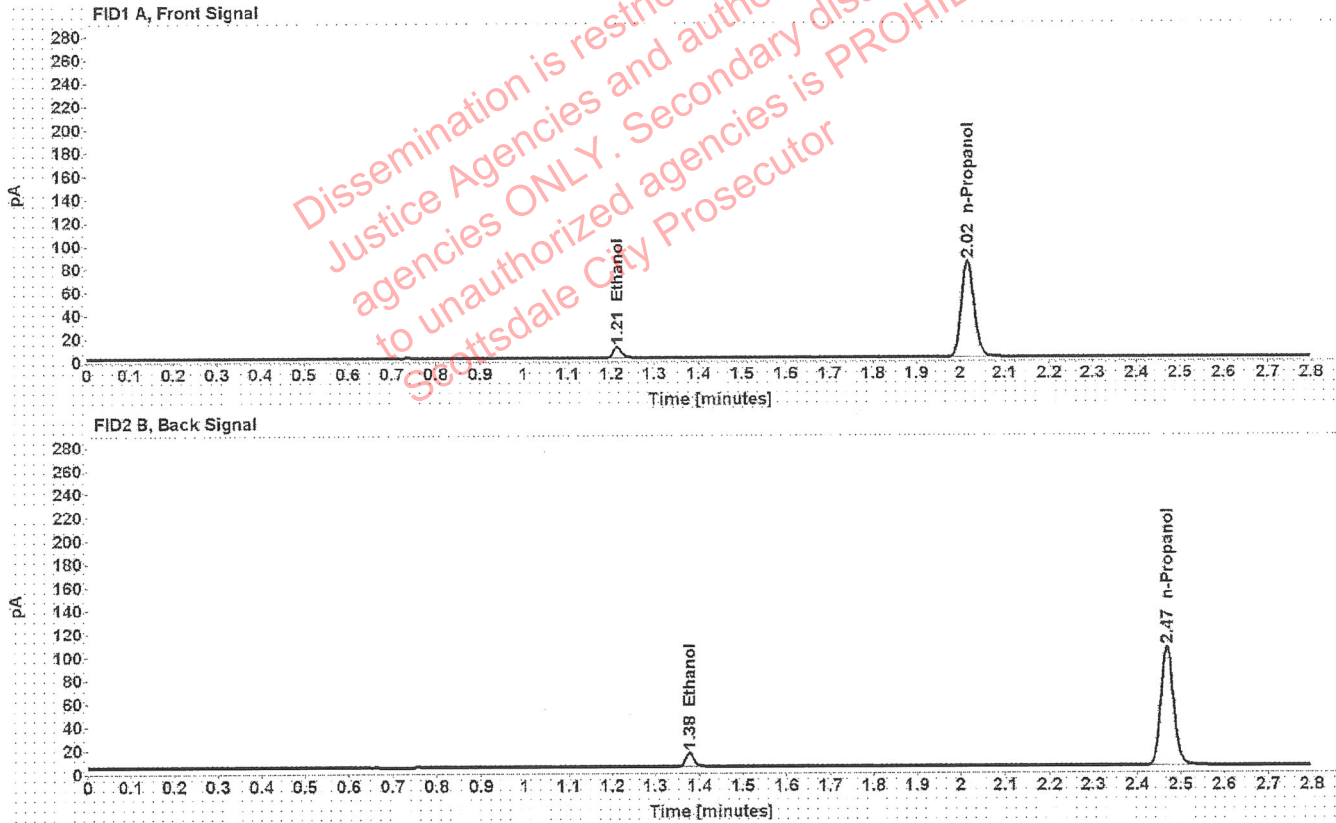


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.213	12.005
n-Propanol	2.016	165.873

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

Compound	Time (min)	Peak Area
Ethanol	1.377	15.002
n-Propanol	2.469	206.881

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 27May20 1
Method: ethanol quant.M	Injection date: 5/27/2020 11:32:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke PB
Data file: C:\Chem32\1\Data\27May20 1\2.D	

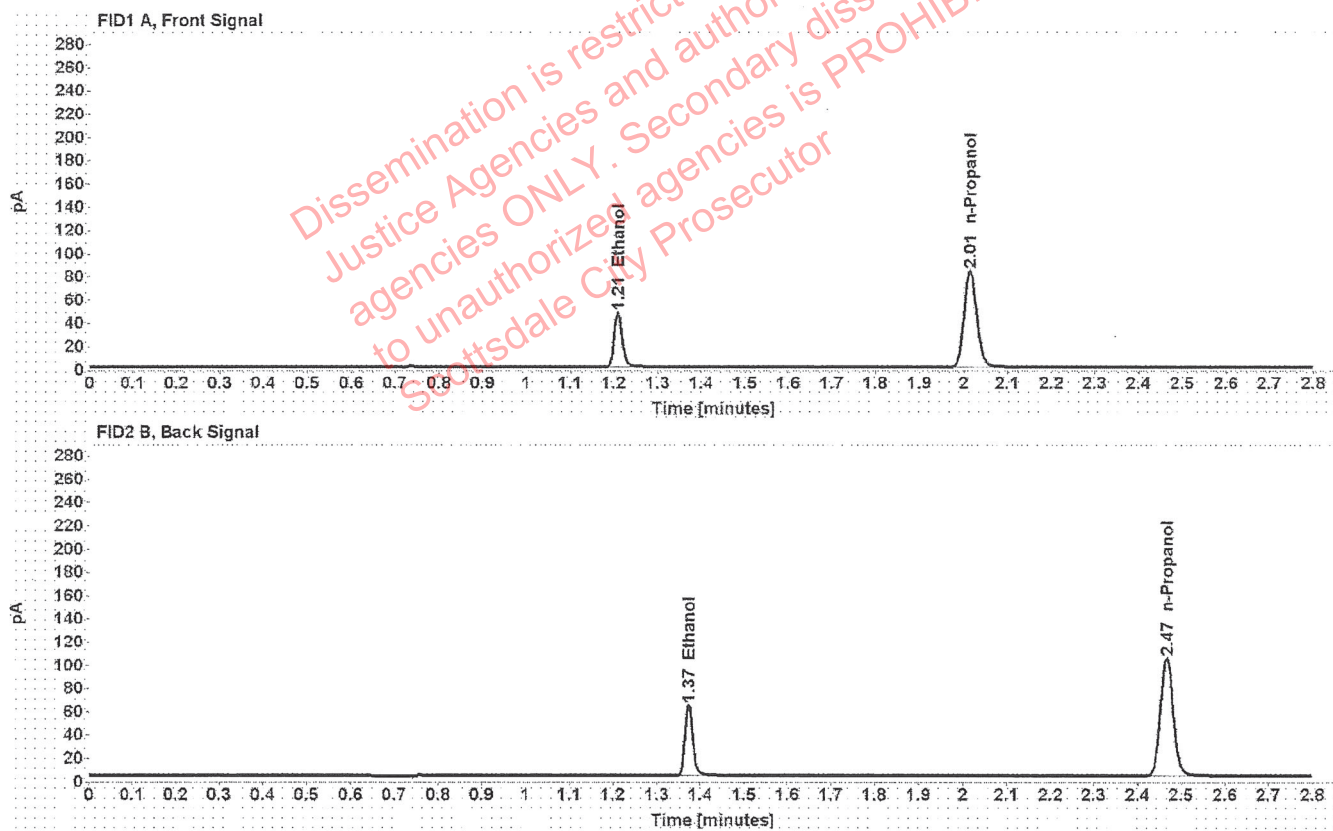


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	59.982
n-Propanol	2.015	165.753

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

Compound	Time (min)	Peak Area
Ethanol	1.373	75.331
n-Propanol	2.466	207.097

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 27May20 1
Method: ethanol quant.M	Injection date: 5/27/2020 11:36:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>AB</i>
Data file: C:\Chem32\1\Data\27May20 1\3.D	

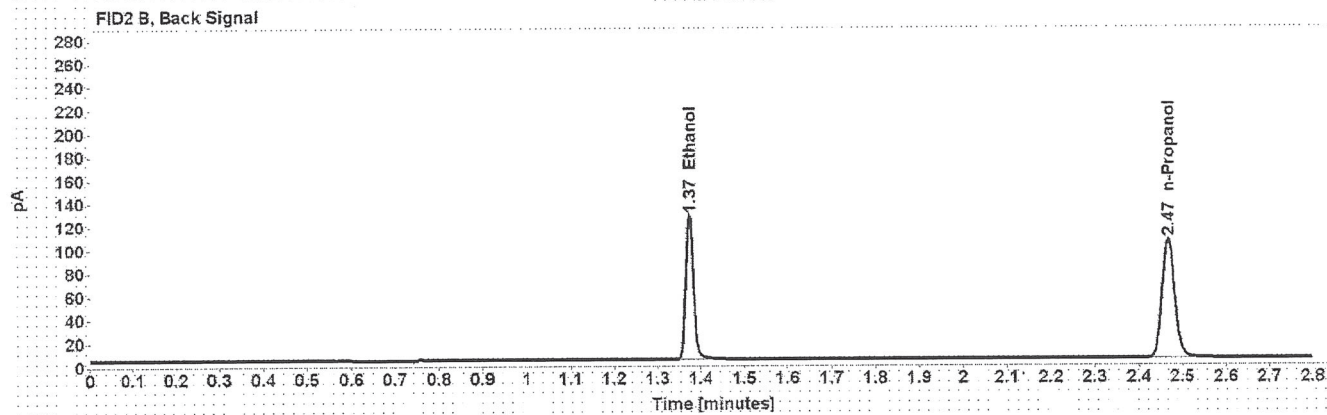
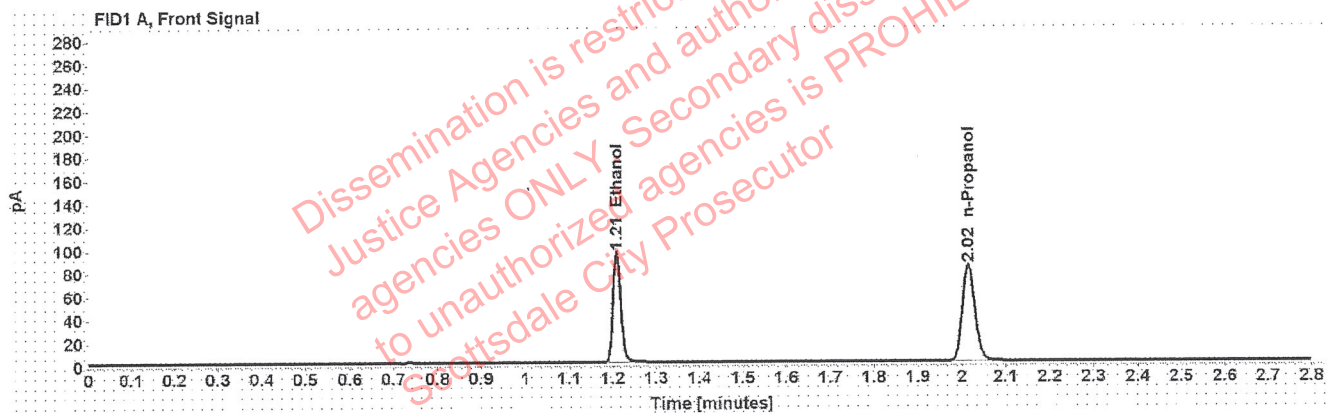


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	121.327
n-Propanol	2.015	166.024

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

Compound	Time (min)	Peak Area
Ethanol	1.373	152.986
n-Propanol	2.467	207.437

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 27May20 1
Method: ethanol quant.M	Injection date: 5/27/2020 11:40:02 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>RB</i>
Data file: C:\Chem32\1\Data\27May20 1\4.D	

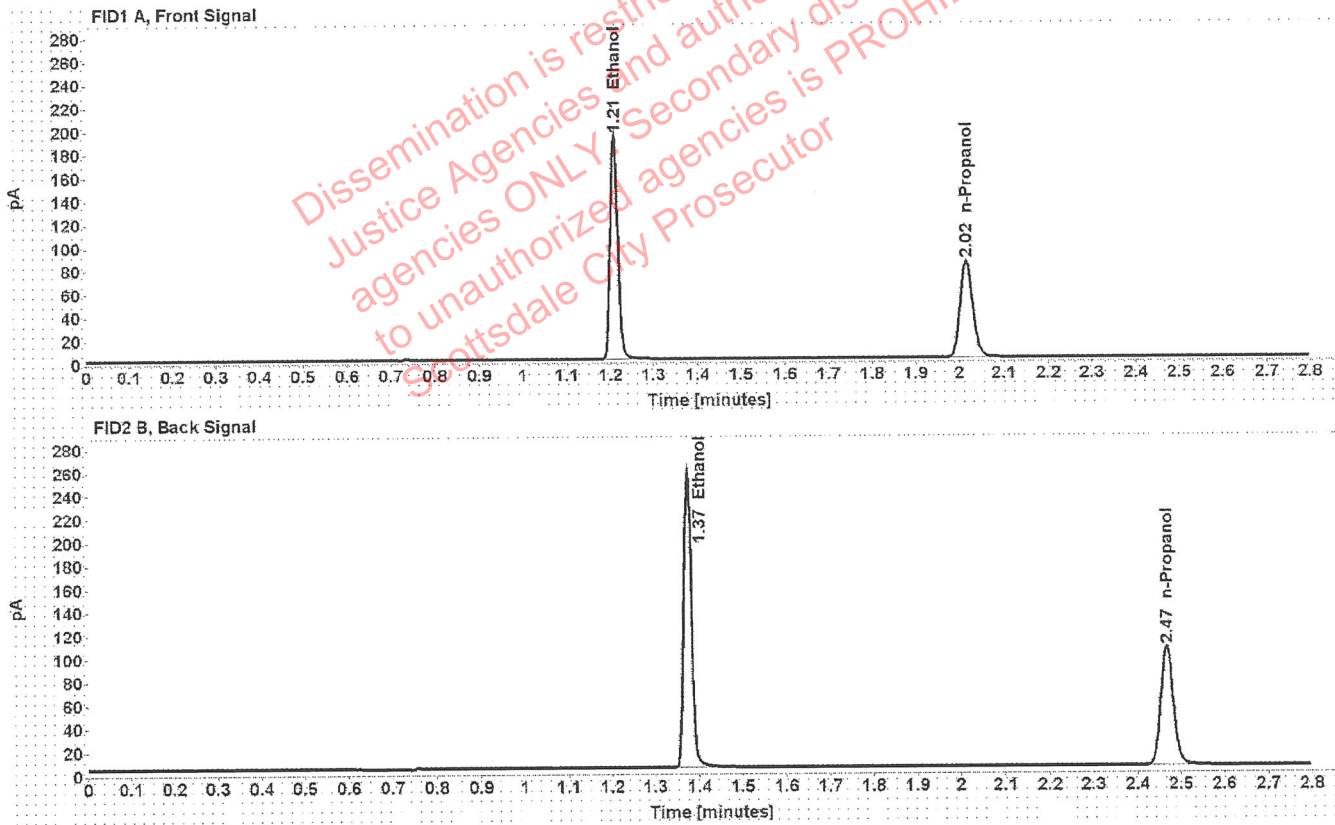


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.209	245.397
n-Propanol	2.015	166.096

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

Compound	Time (min)	Peak Area
Ethanol	1.374	309.964
n-Propanol	2.467	207.688

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	040720AQ	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 11:44:01 AM
Data file:	C:\Chem32\1\Data\27May20 1\5.D	Analyst:	Brooke <i>AB</i>

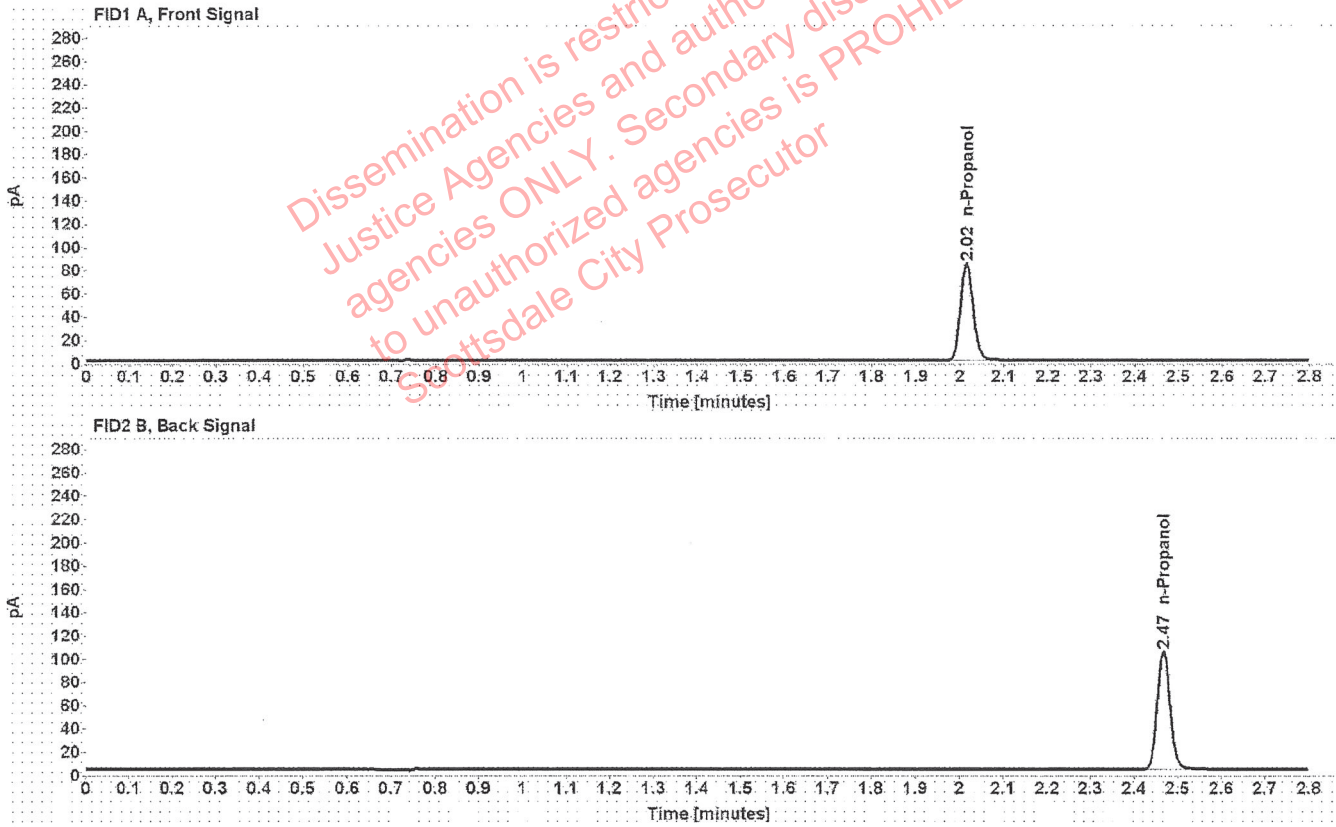


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	166.619

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

Compound	Time (min)	Peak Area
n-Propanol	2.468	207.672

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819MIX	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 11:48:01 AM
Data file: C:\Chem321\1\Data\27May20 1\6.D	Analyst: Brooke <i>BB</i>

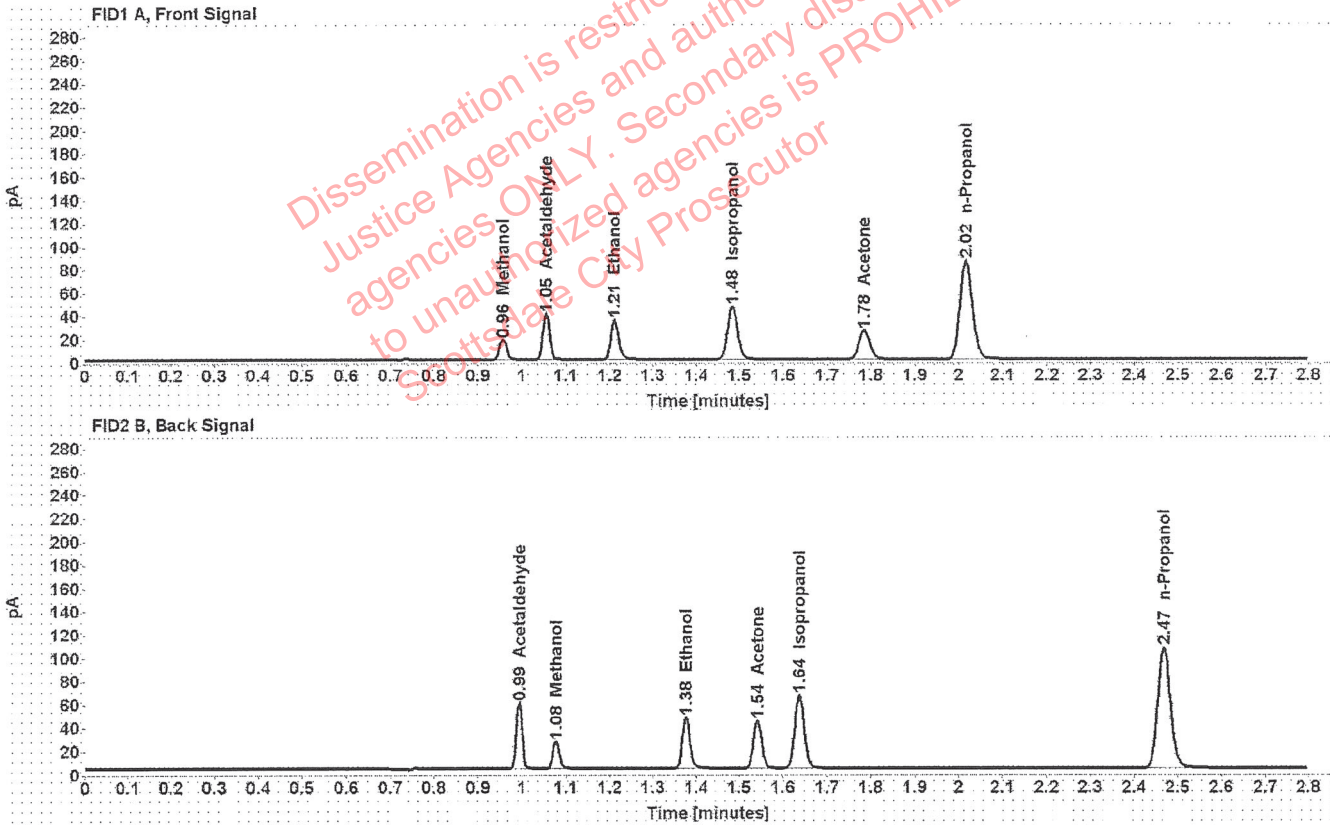


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.957	19.564
Acetaldehyde	-----	1.055	42.689
>Ethanol	0.0712	1.211	43.621
Isopropanol	-----	1.484	73.136
Acetone	-----	1.784	42.505
n-Propanol	-----	2.016	169.239

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	55.457
Methanol	1.077	25.197
Ethanol	1.376	54.480
Acetone	1.542	53.619
Isopropanol	1.637	95.037
n-Propanol	2.468	211.134

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 7
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 11:52:17 AM
Data file: C:\Chem32\1\Data\27May20 1\7.D	Analyst: Brooke <i>BB</i>

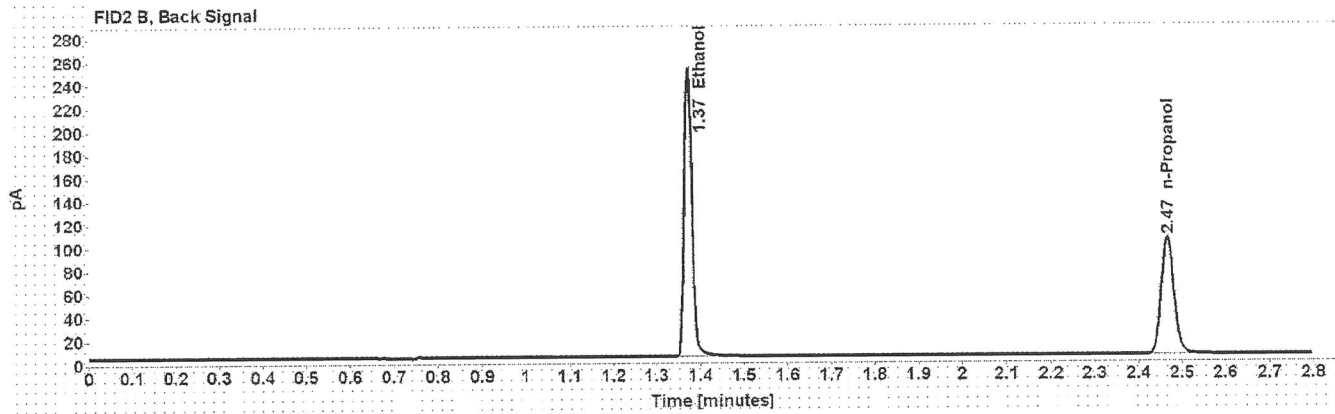
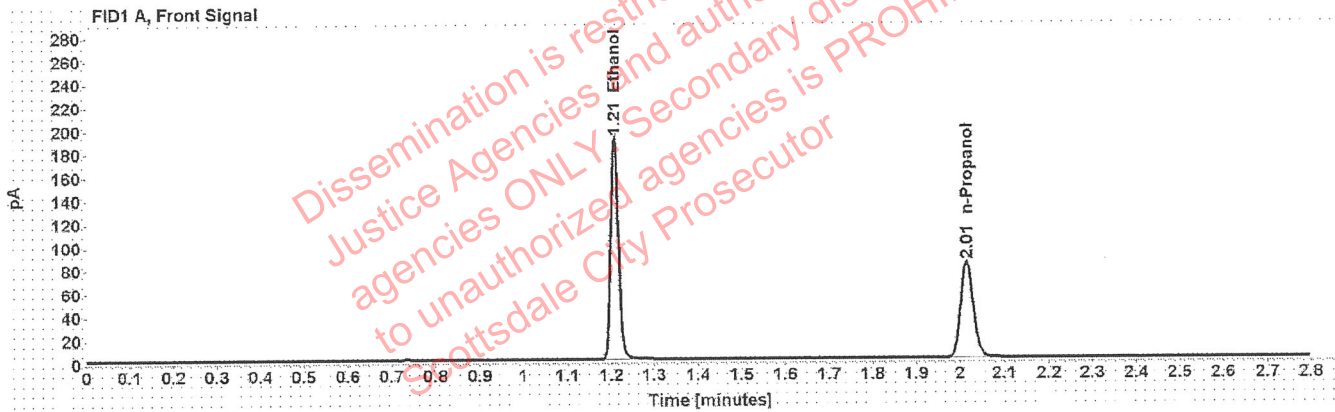


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3986	1.208	242.270
n-Propanol	-----	2.015	164.836

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

Compound	Time (min)	Peak Area
Ethanol	1.373	306.144
n-Propanol	2.466	205.908

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	14082019-B	Vial:	8
Description:	0.040	LIMS ID:	
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 11:56:17 AM
Data file:	C:\Chem32\1\Data\27May20 1\8.D	Analyst:	Brooke <i>BB</i>

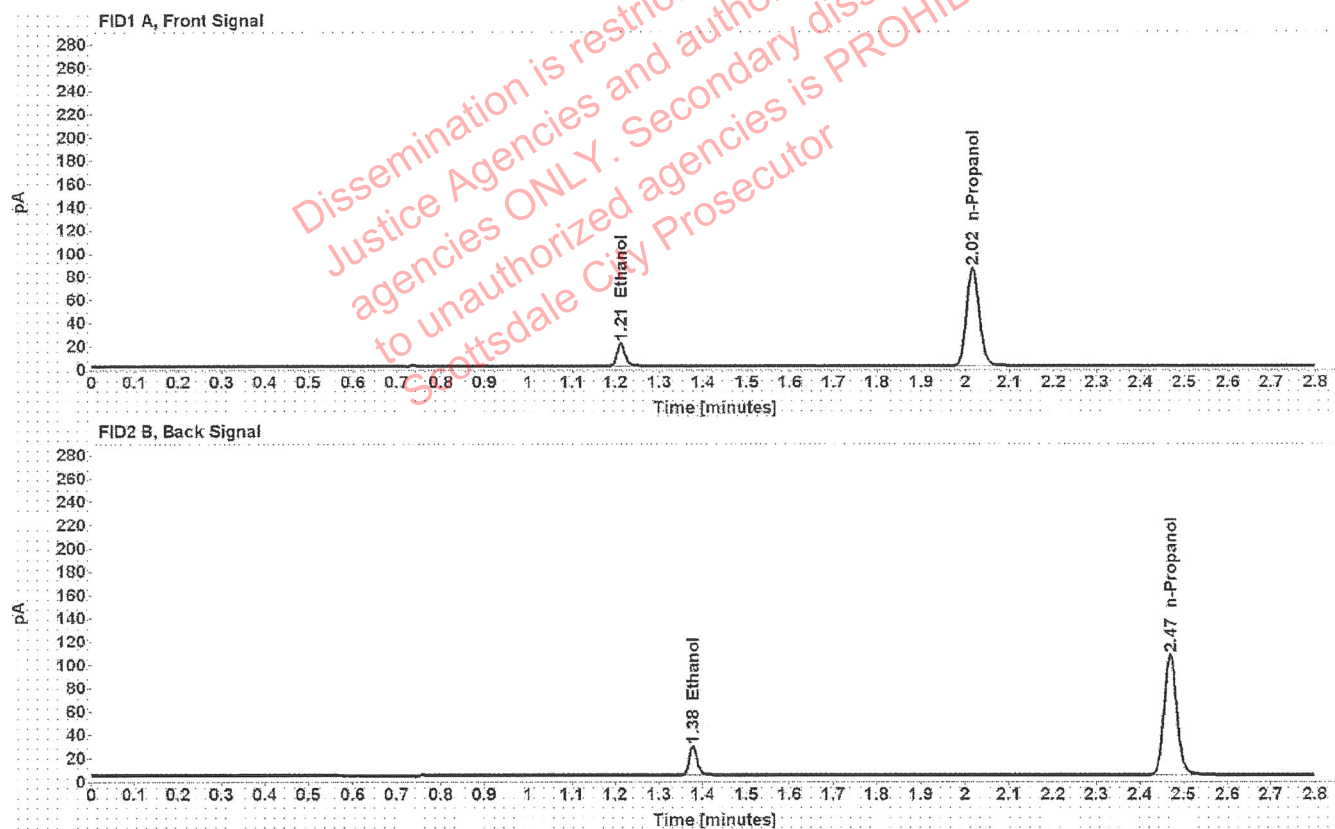


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0416	1.212	25.038
n-Propanol	-----	2.017	169.001

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

Compound	Time (min)	Peak Area
Ethanol	1.377	31.211
n-Propanol	2.469	210.399

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 12:00:16 PM
Data file: C:\Chem32\1\Data\27May20 1\9.D	Analyst: Brooke <i>BB</i>

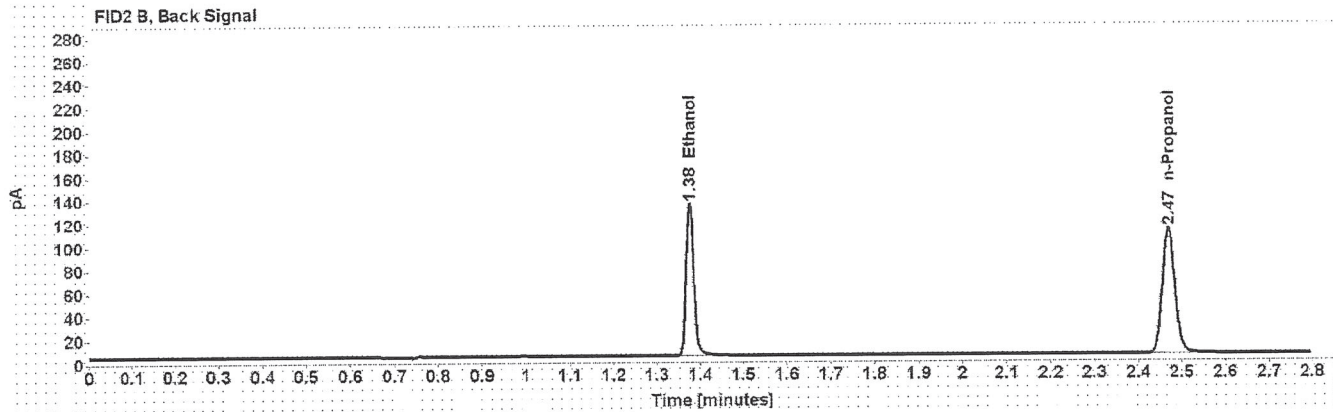
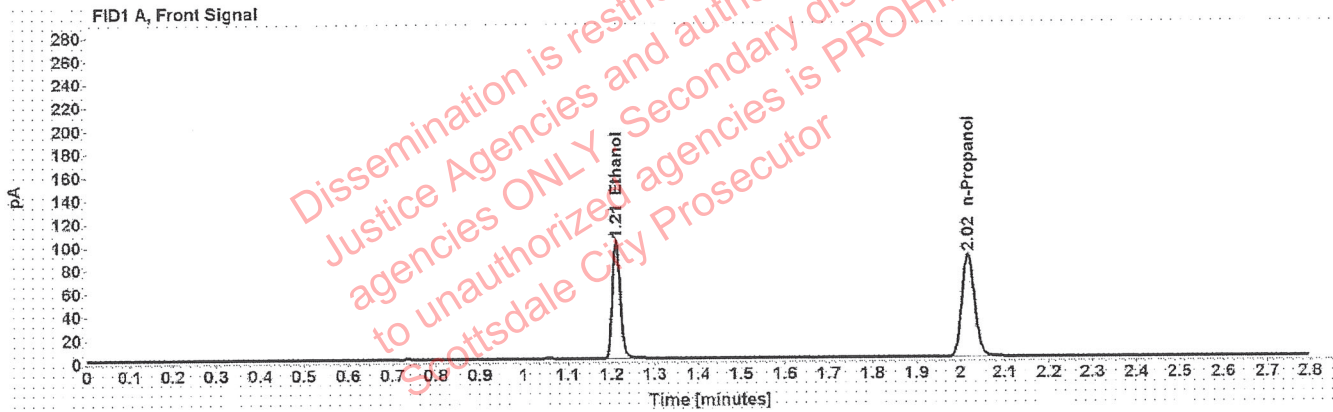


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2002	1.211	129.664
n-Propanol	-----	2.017	176.306

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

Compound	Time (min)	Peak Area
Ethanol	1.376	163.493
n-Propanol	2.469	219.668

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	03102016-A/1	Vial:	20
Description:	0.080	LIMS ID:	
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:44:47 PM
Data file:	C:\Chem32\1\Data\27May20 1\20.D	Analyst:	Brooke <i>BB</i>

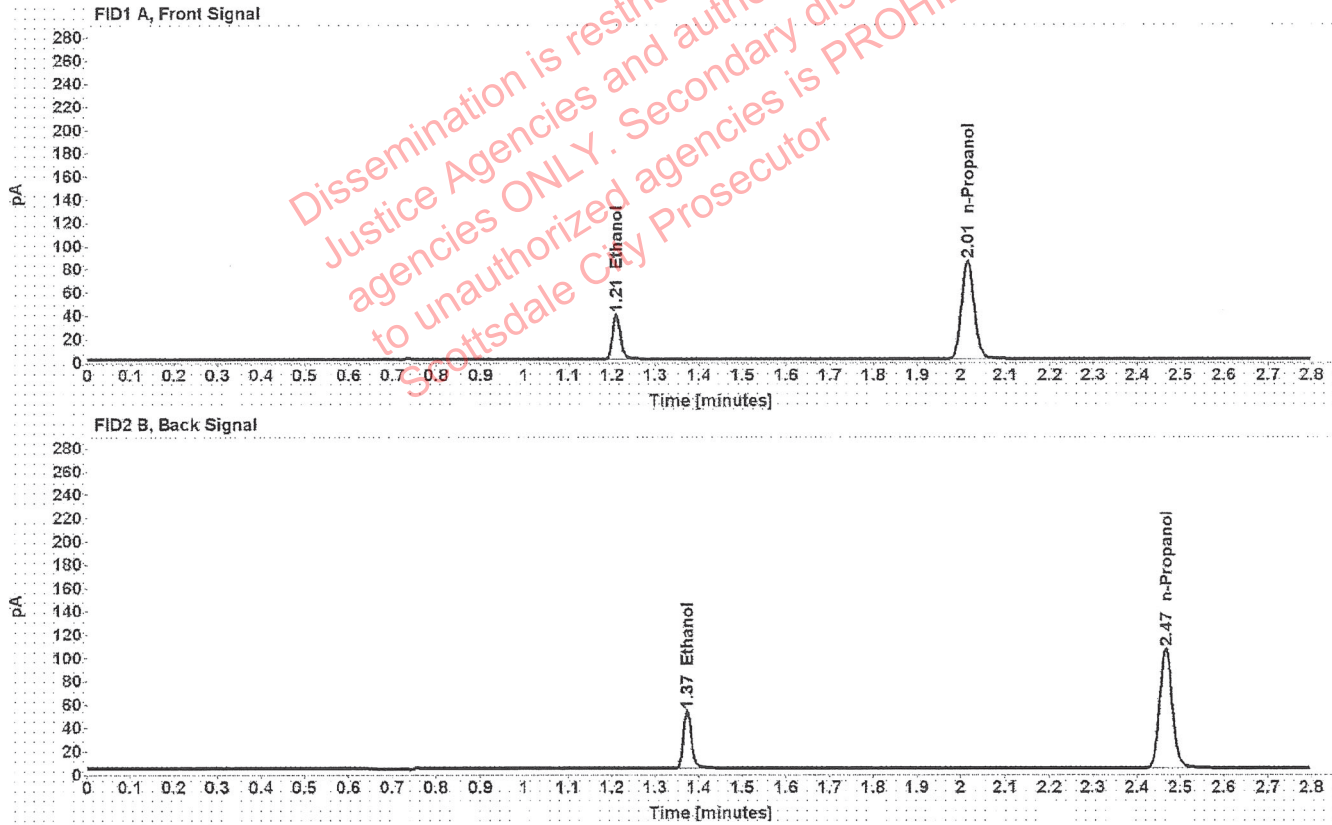


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0805	1.210	49.350
n-Propanol	-----	2.015	168.955

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

Compound	Time (min)	Peak Area
Ethanol	1.374	61.655
n-Propanol	2.467	209.672

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 31
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 1:29:17 PM
Data file: C:\Chem32\1\Data\27May20 1\31.D	Analyst: Brooke PB

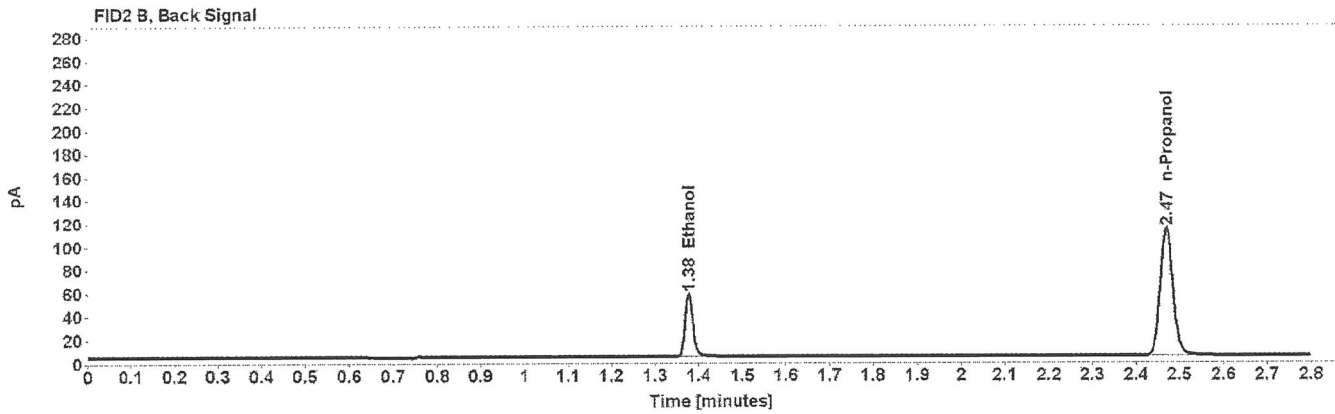
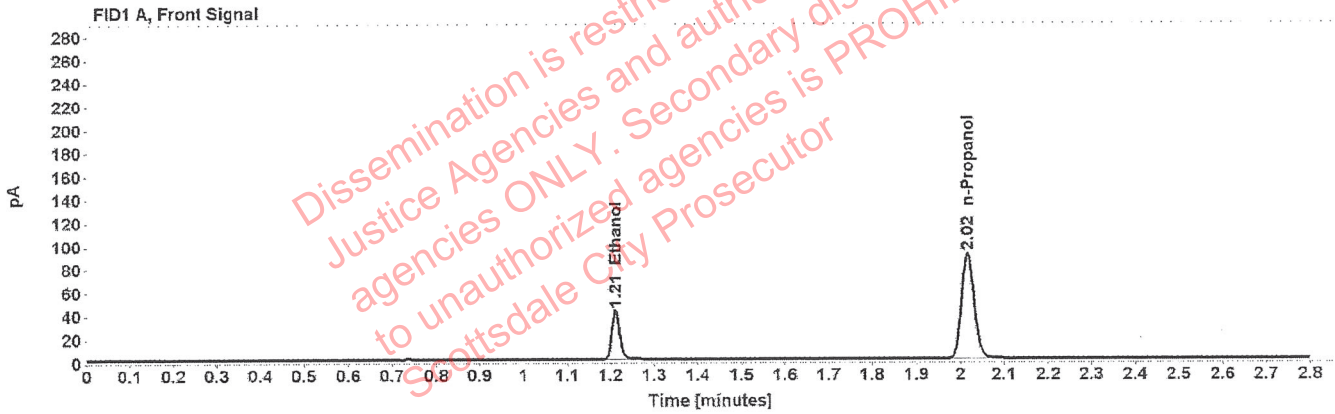


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0824	1.211	54.111
n-Propanol	-----	2.017	180.679

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

Compound	Time (min)	Peak Area
Ethanol	1.377	67.617
n-Propanol	2.470	224.077

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 42
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 2:13:32 PM
Data file: C:\Chem32\1\Data\27May20 1\42.D	Analyst: Brooke ^{PS}

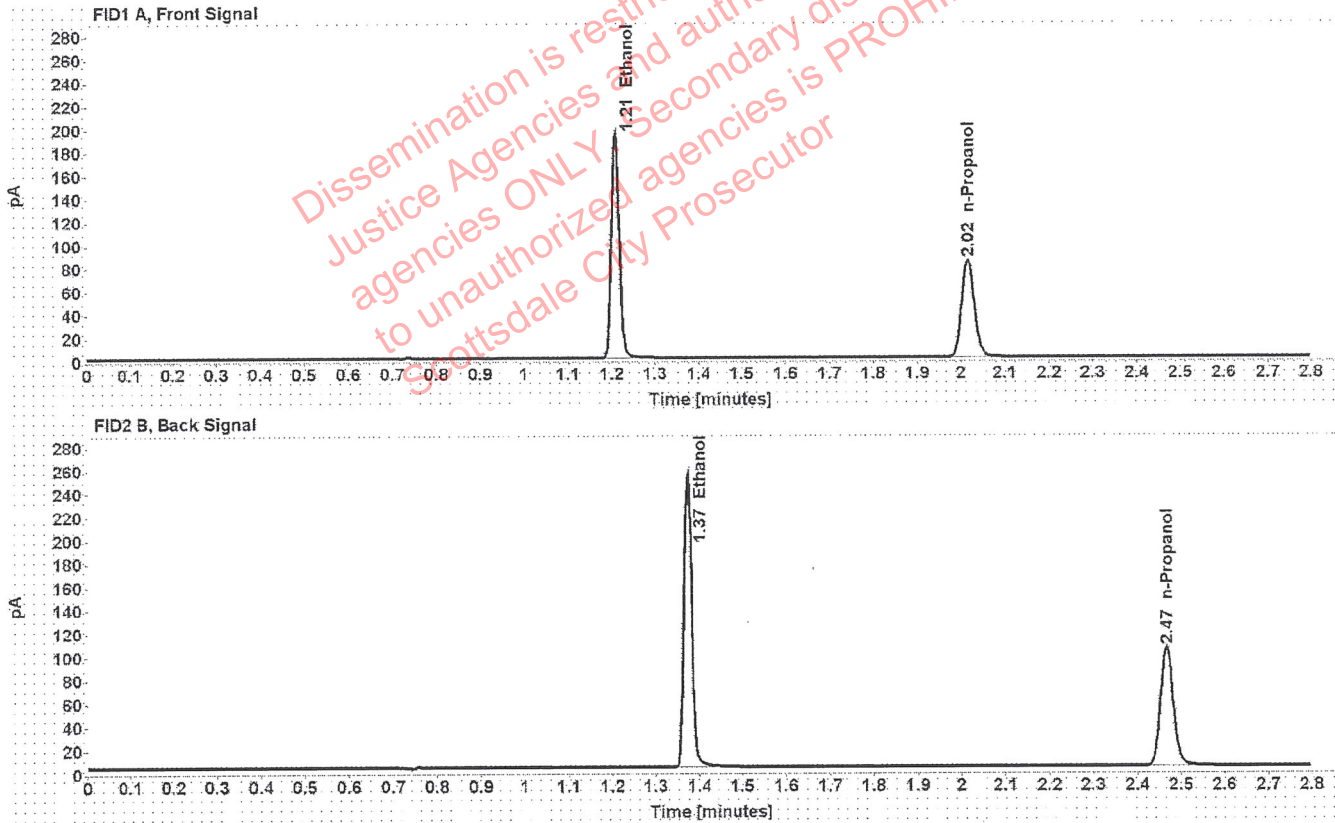


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.3992	1.208	246.906
n-Propanol	-----	2.015	167.737

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

Compound	Time (min)	Peak Area
Ethanol	1.373	310.769
n-Propanol	2.467	208.197

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 43
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 2:17:46 PM
Data file: C:\Chem32\1\Data\27May20 1\43.D	Analyst: Brooke <i>AB</i>

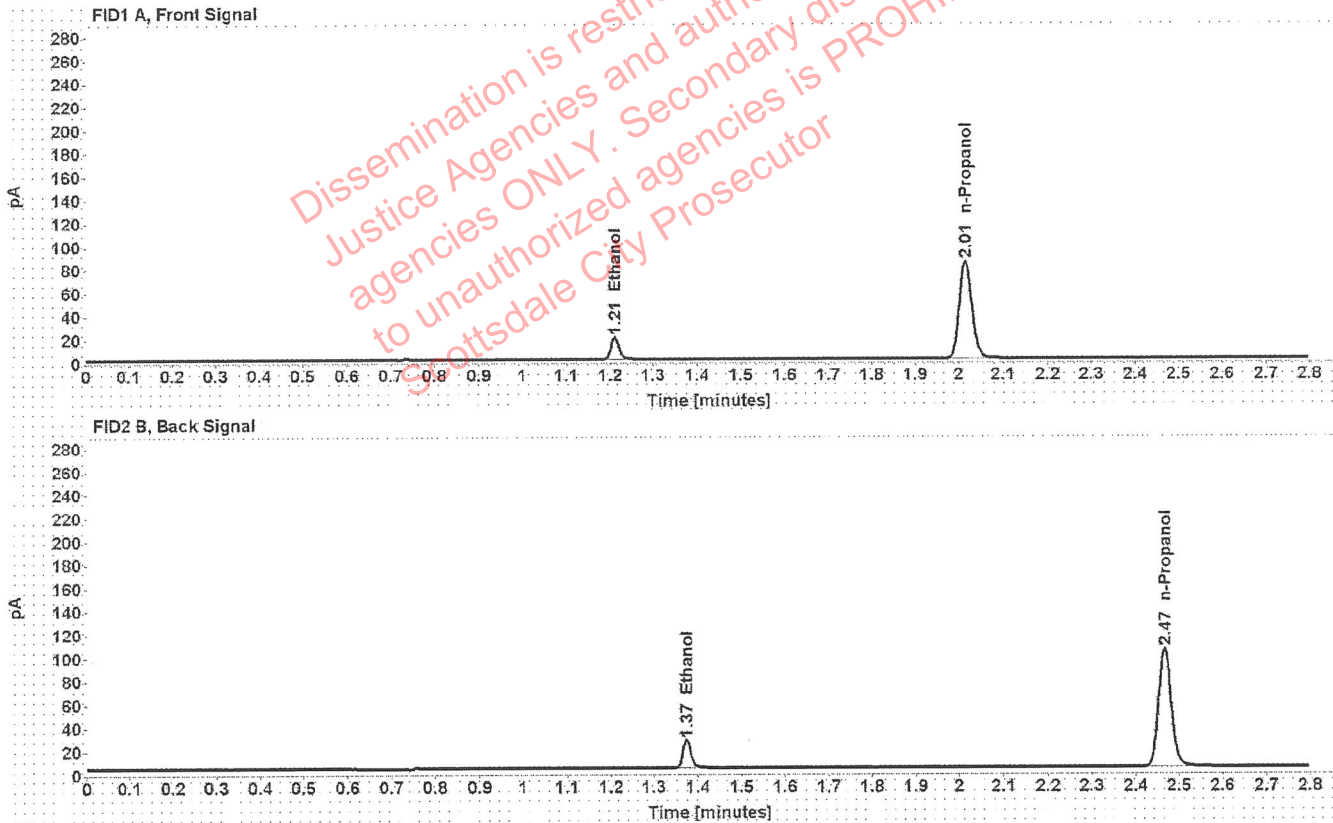


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.211	24.368
n-Propanol	-----	2.015	167.360

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

Compound	Time (min)	Peak Area
Ethanol	1.374	30.271
n-Propanol	2.467	207.331

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 44
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 2:21:47 PM
Data file: C:\Chem32\1\Data\27May20 1\44.D	Analyst: Brooke <i>MB</i>

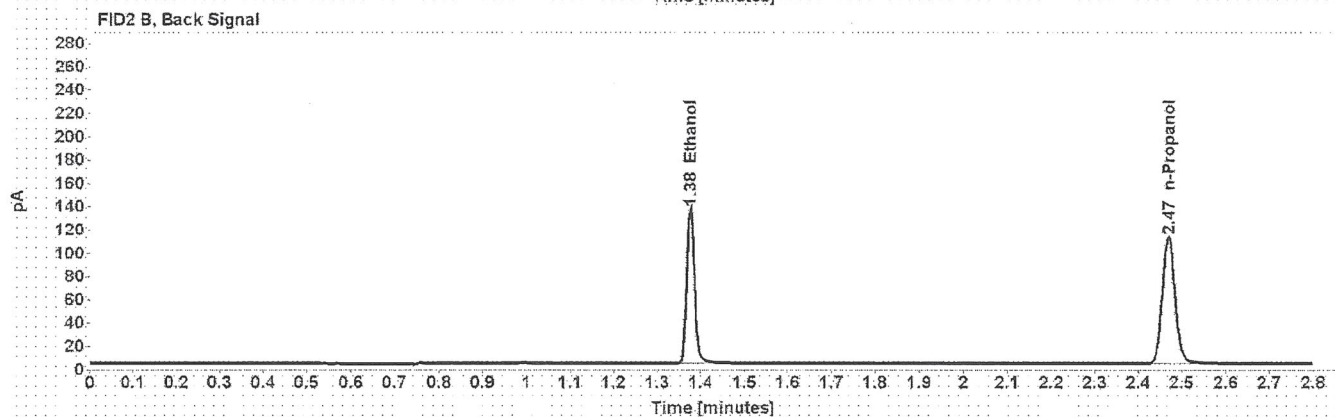
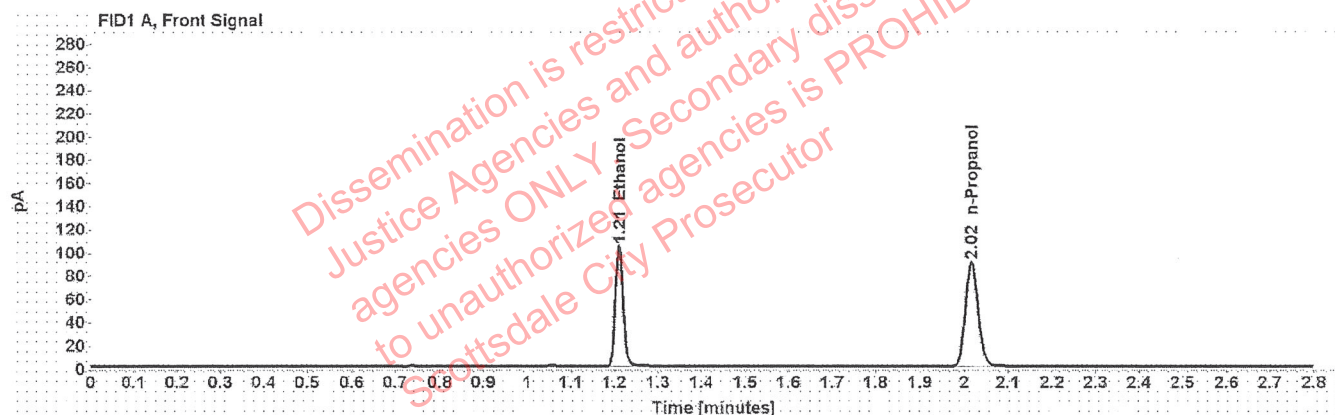


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2012	1.211	132.436
n-Propanol	-----	2.017	179.203

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.487
n-Propanol	2.470	222.390

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 45
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 2:25:46 PM
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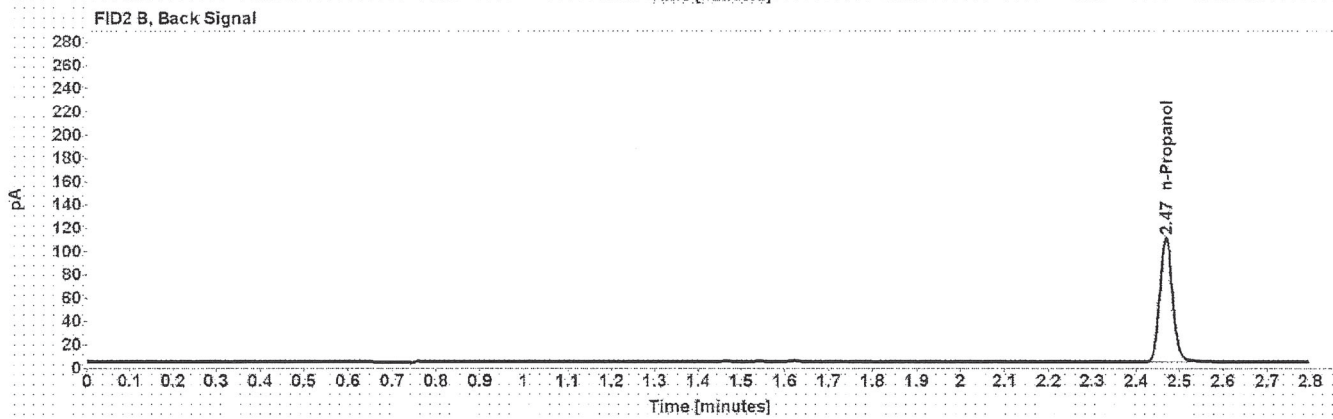


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	175.774

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	218.383

Sequence Summary

Sequence name: 27May20 1 Instrument: US14173023 CN14160045 Analyst: Brooke *VB*

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	1321394		Sample		ethanol quant.M
11	1321394		Sample		ethanol quant.M
12	1321392		Sample		ethanol quant.M
13	1321392		Sample		ethanol quant.M
14	1321869		Sample		ethanol quant.M
15	1321869		Sample		ethanol quant.M
16	1292329		Sample		ethanol quant.M
17	1292329		Sample		ethanol quant.M
18	1317063		Sample		ethanol quant.M
19	1317063		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1319961		Sample		ethanol quant.M
22	1319961		Sample		ethanol quant.M
23	1321600		Sample		ethanol quant.M
24	1321600		Sample		ethanol quant.M
25	1321861		Sample		ethanol quant.M
26	1321861		Sample		ethanol quant.M
27	1320823		Sample		ethanol quant.M
28	1320823		Sample		ethanol quant.M
29	1320141		Sample		ethanol quant.M
30	1320141		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1316125		Sample		ethanol quant.M
33	1316125		Sample		ethanol quant.M
34	1321055		Sample		ethanol quant.M
35	1321055		Sample		ethanol quant.M
36	1319531		Sample		ethanol quant.M
37	1319531		Sample		ethanol quant.M
38	1322541		Sample		ethanol quant.M
39	1322541		Sample		ethanol quant.M
40	1322426		Sample		ethanol quant.M
41	1322426		Sample		ethanol quant.M
42	11092018-A	0.400	Control		ethanol quant.M
43	14082019-B	0.040	Control		ethanol quant.M
44	407041529/13	0.198	Control		ethanol quant.M
45	040919WB	Negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory Summary of Cases

PB

SEQUENCE NAME: 27May20 1

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	0.2287	0.2291	0.22890	0.09	0.00020
14 15	0.0637	0.0637	0.06370	0.00	0.00000
16 17	0.0913	0.0911	0.09120	0.11	0.00010
18 19	0.2285	0.2289	0.22870	0.09	0.00020
21 22	0.2247	0.2225	0.22360	0.49	0.00110
23 24	0.1705	0.1696	0.17005	0.26	0.00045
25 26	0.1128	0.1130	0.11290	0.09	0.00010
27 28	0.1884	0.1884	0.18840	0.00	0.00000
29 30	0.1474	0.1468	0.14710	0.20	0.00030
32 33	0.1886	0.1862	0.18740	0.64	0.00120
34 35	0.1802	0.1806	0.18040	0.11	0.00020
36 37	0.0816	0.0809	0.08125	0.43	0.00035
38 39	0.1556	0.1553	0.15545	0.10	0.00015
40 41	0.0000	0.0000	0.00000	0.00	0.00000

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

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 to unauthorized agencies and personnel.
 Scottsdale City Police

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321394	Vial:	10
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:04:16 PM
Data file:	C:\Chem32\1\Data\27May20 1\10.D	Analyst:	Brooke

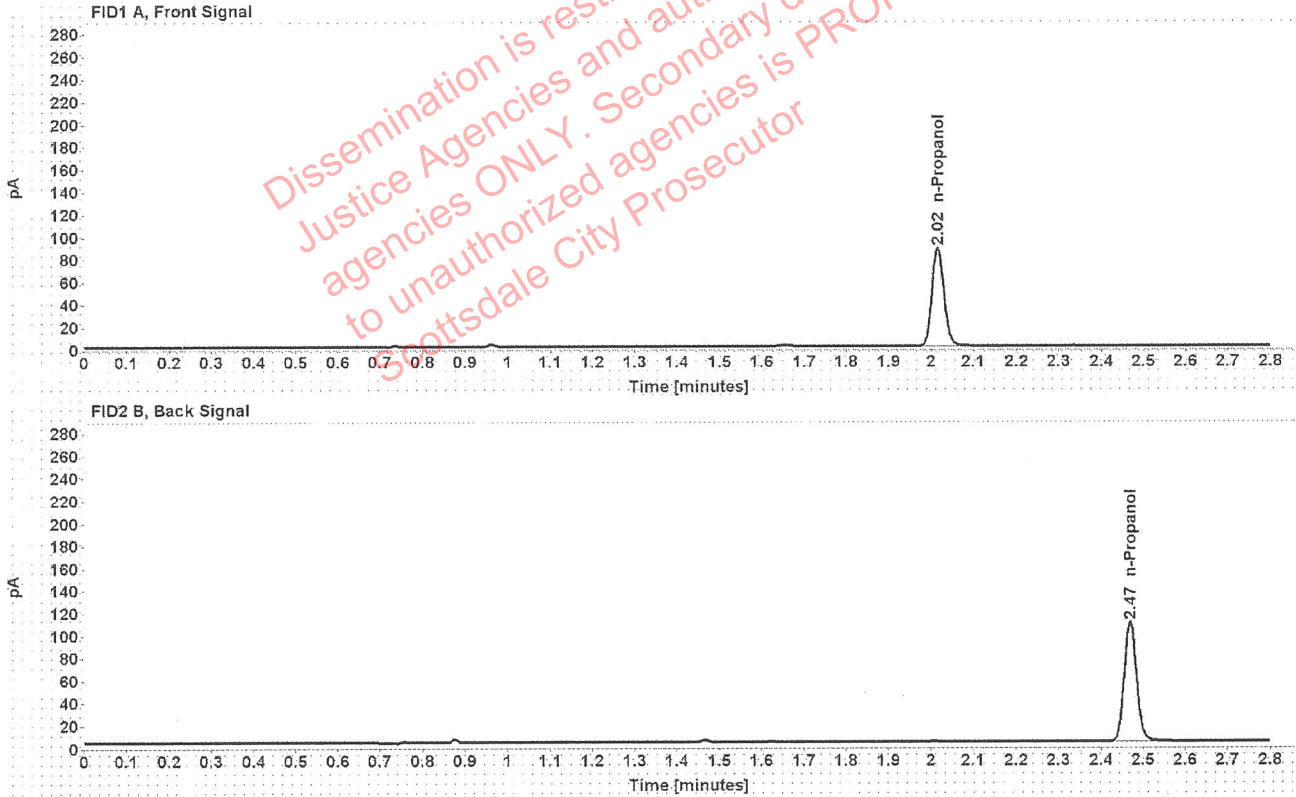


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	172.983

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	215.971

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1321394	Vial: 11
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 12:08:17 PM
Data file: C:\Chem32\1\Data\27May20 1\11.D	Analyst: Brooke

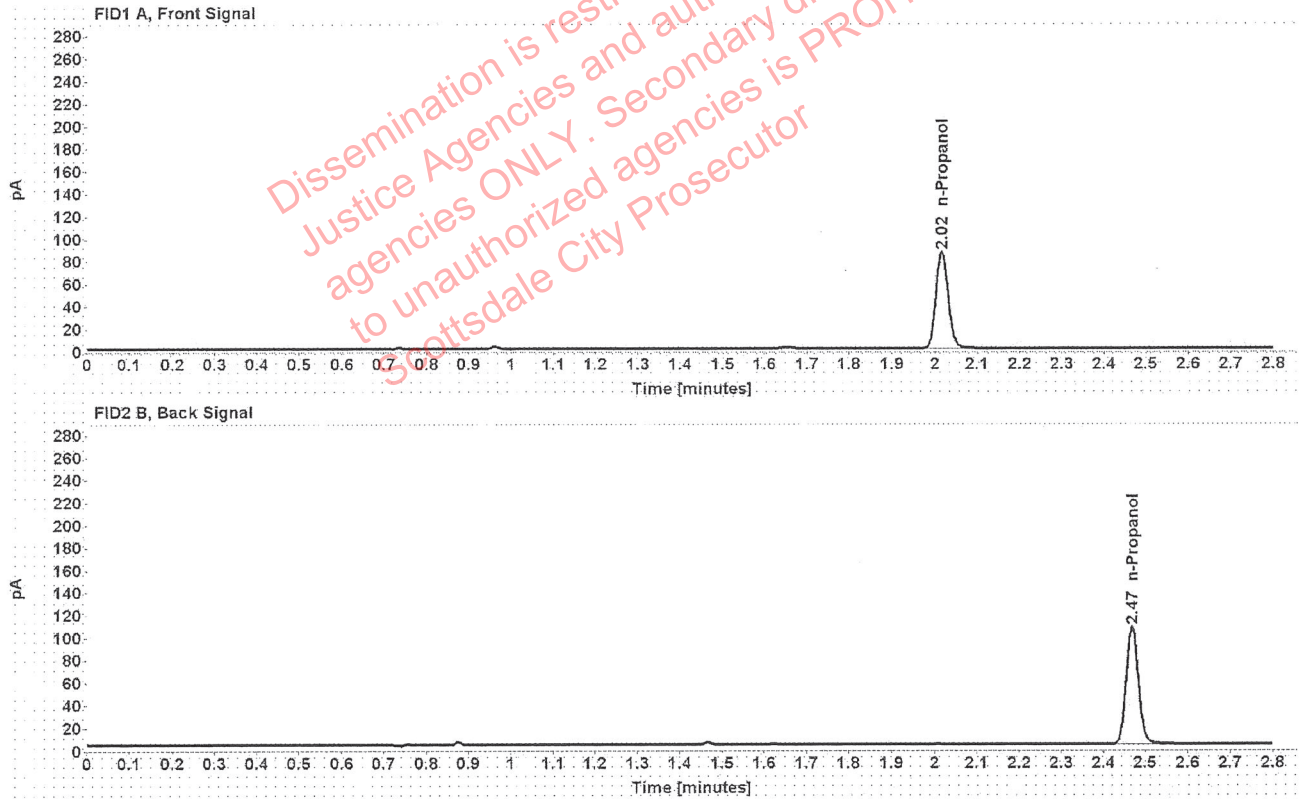


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	170.041

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	212.032

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321392	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:12:17 PM
Data file:	C:\Chem32\11\Data\27May20 1\12.D	Analyst:	Brooke

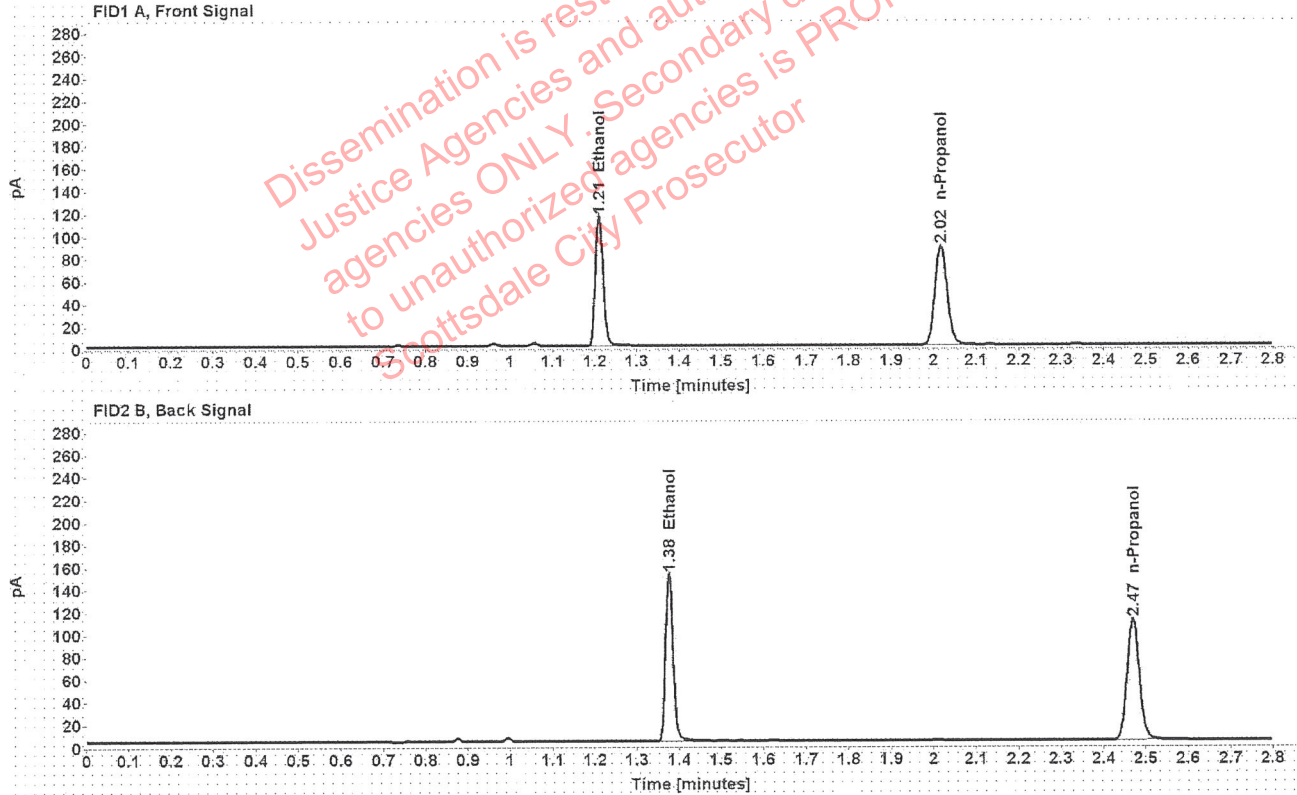


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2287	1.210	147.322
n-Propanol	-----	2.017	175.199

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

Compound	Time (min)	Peak Area
Ethanol	1.376	186.510
n-Propanol	2.469	218.053

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321392	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:16:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\13.D	Analyst:	Brooke

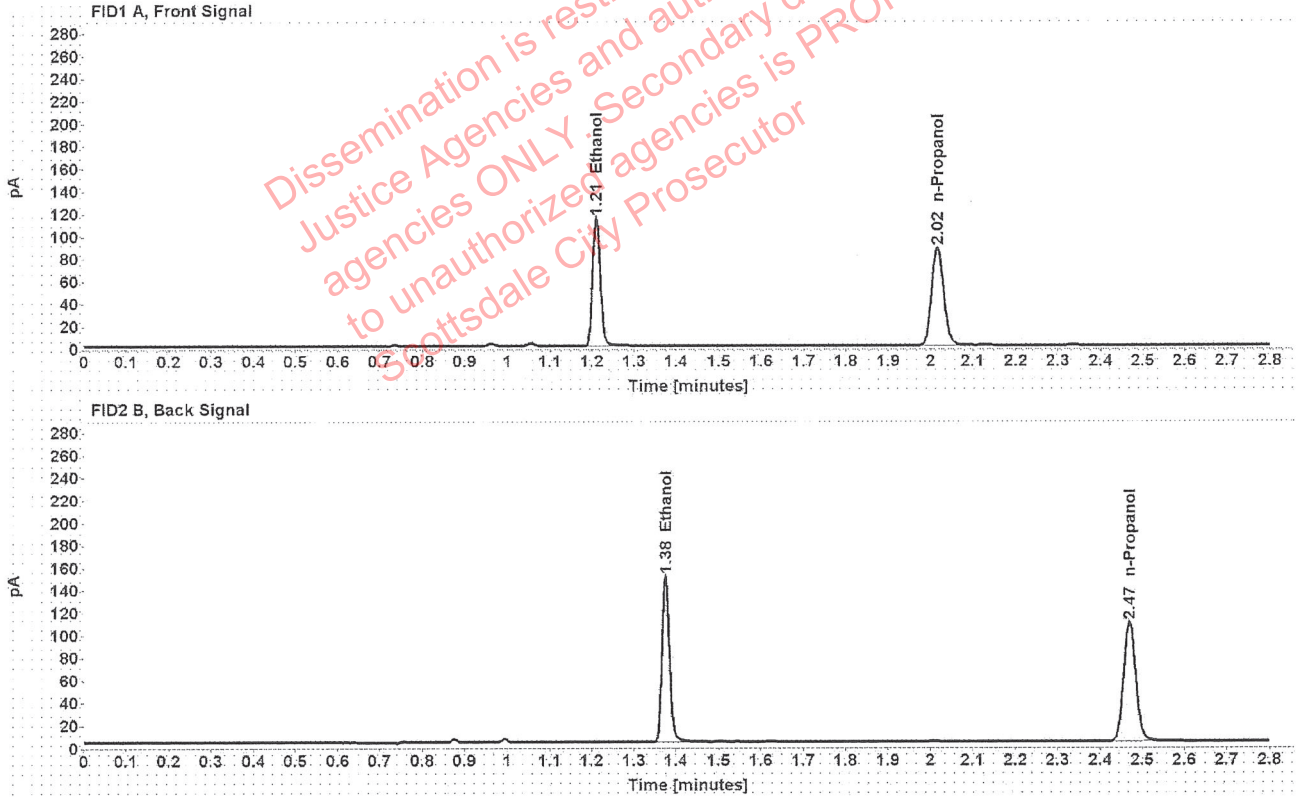


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2291	1.210	145.754
n-Propanol	-----	2.016	173.027

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

Compound	Time (min)	Peak Area
Ethanol	1.375	184.138
n-Propanol	2.469	215.261

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321869	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:20:32 PM
Data file:	C:\Chem32\1\Data\27May20 1\14.D	Analyst:	Brooke

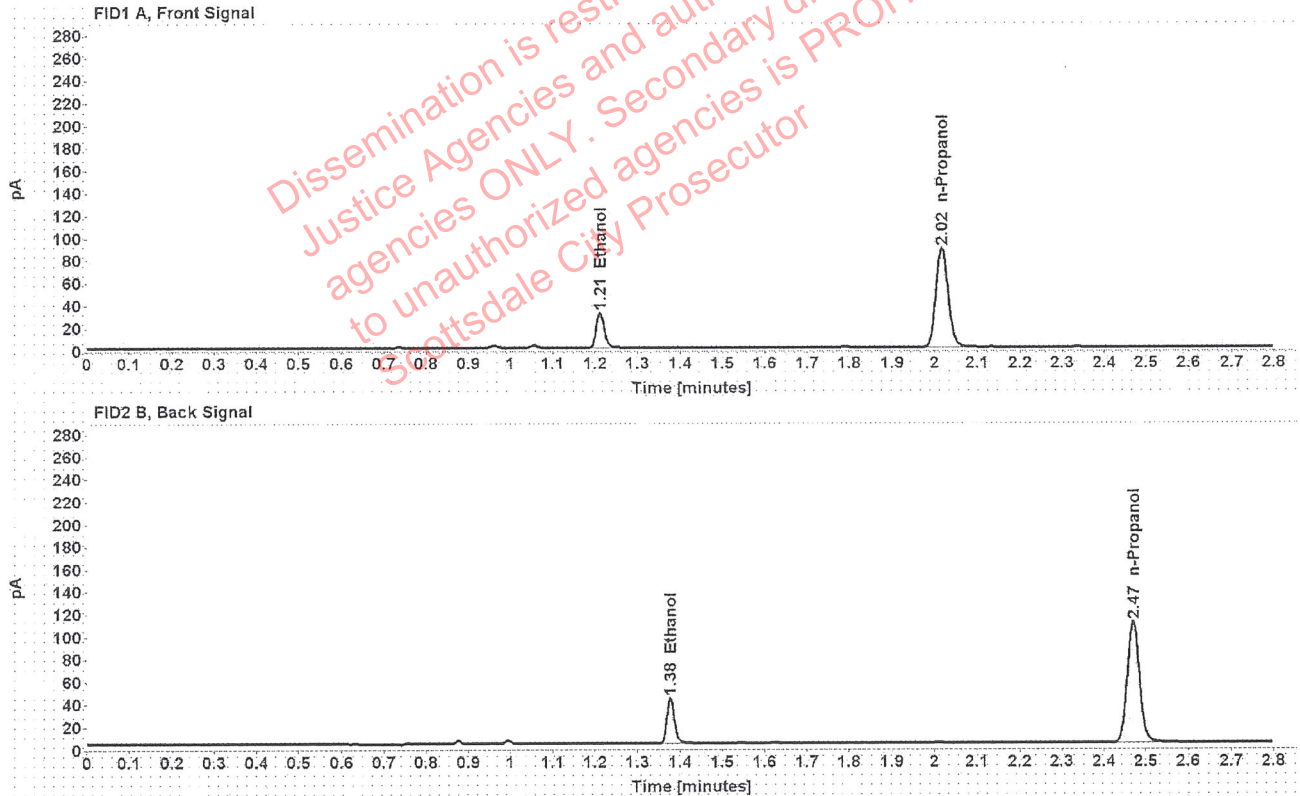


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0637	1.212	40.275
n-Propanol	-----	2.017	175.115

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

Compound	Time (min)	Peak Area
Ethanol	1.377	50.382
n-Propanol	2.469	218.295

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321869	Vial:	15
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:24:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\15.D	Analyst:	Brooke

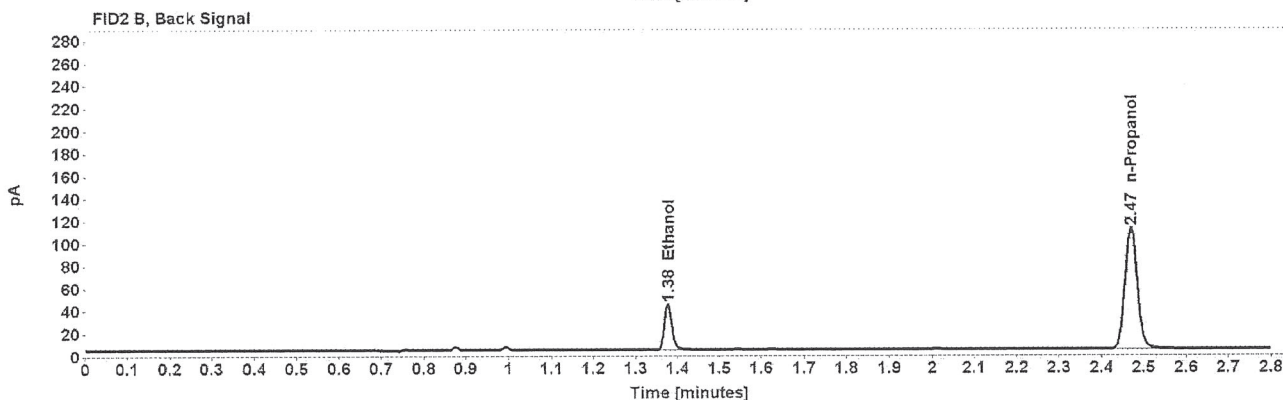
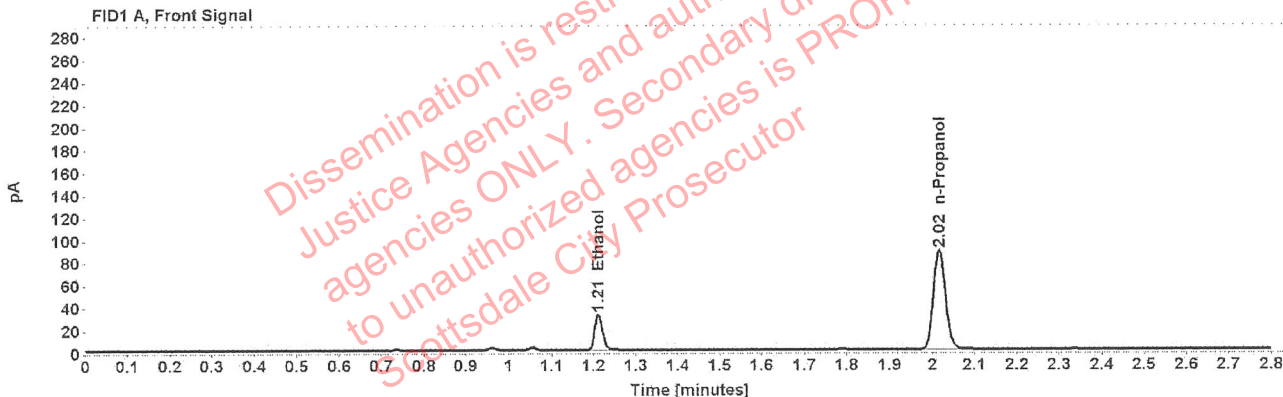


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0637	1.212	40.342
n-Propanol	-----	2.016	175.409

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

Compound	Time (min)	Peak Area
Ethanol	1.376	51.260
n-Propanol	2.469	218.636

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292329	Vial:	16
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:28:32 PM
Data file:	C:\Chem32\1\Data\27May20 1\16.D	Analyst:	Brooke

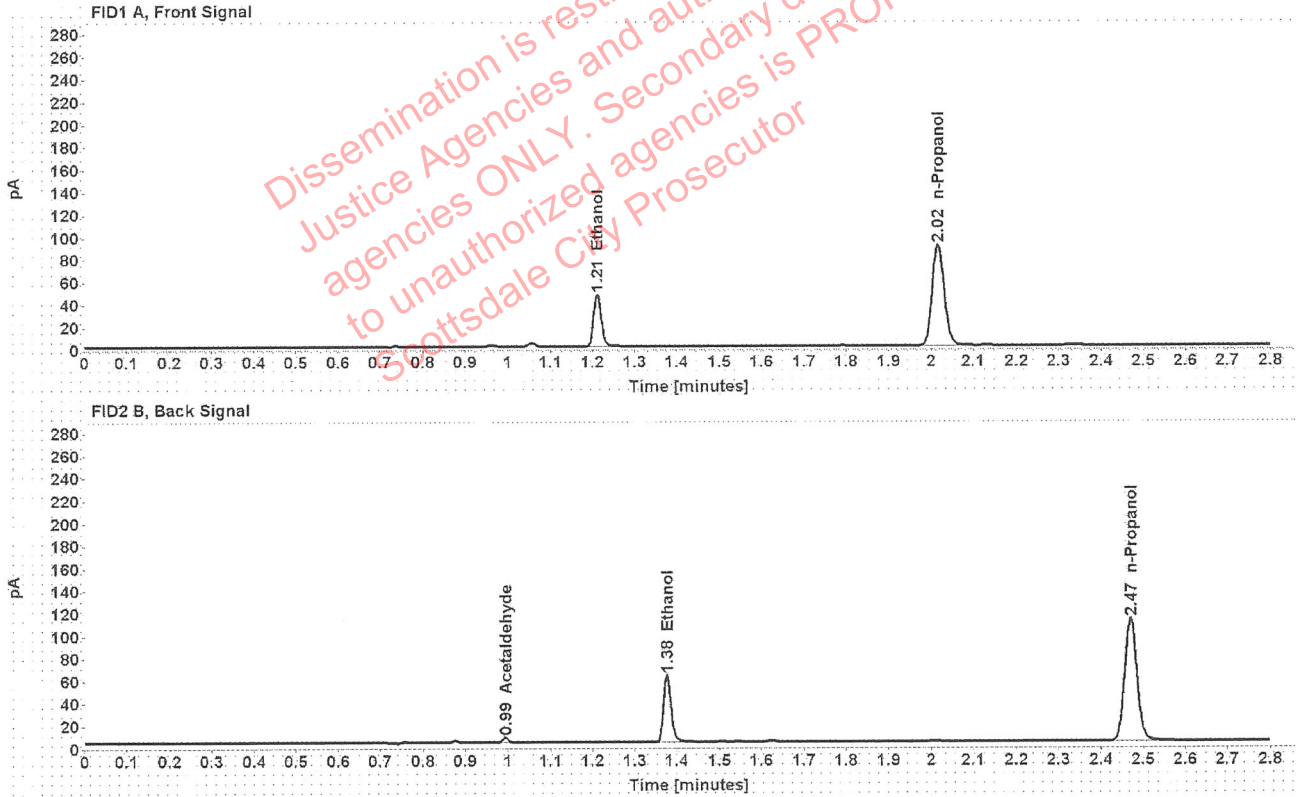


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0913	1.211	59.280
n-Propanol	-----	2.017	178.425

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.074
Ethanol	1.377	73.984
n-Propanol	2.469	222.376

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1292329	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:32:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\17.D	Analyst:	Brooke

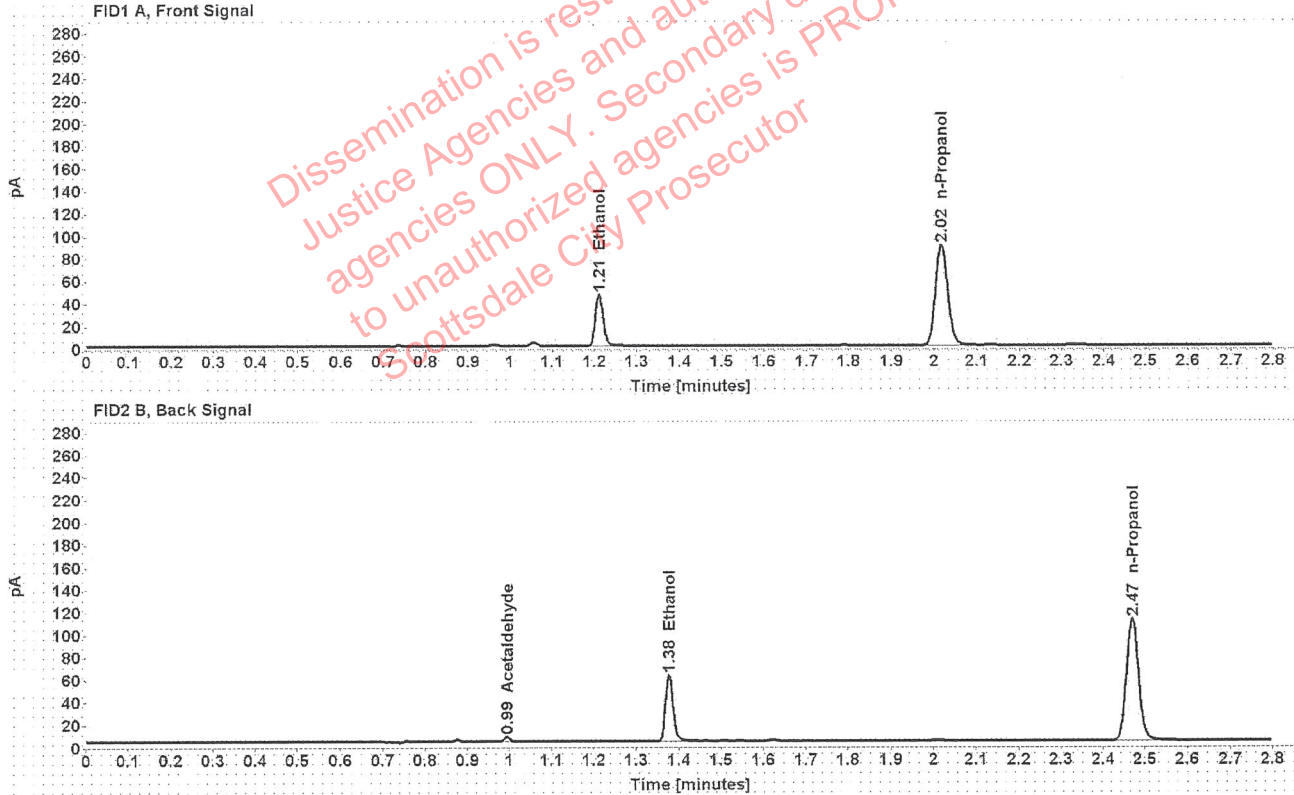


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0911	1.211	58.813
n-Propanol	-----	2.017	177.412

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.108
Ethanol	1.377	73.431
n-Propanol	2.470	221.048

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1317063	Vial:	18
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:36:32 PM
Data file:	C:\Chem32\1\Data\27May20 1\18.D	Analyst:	Brooke

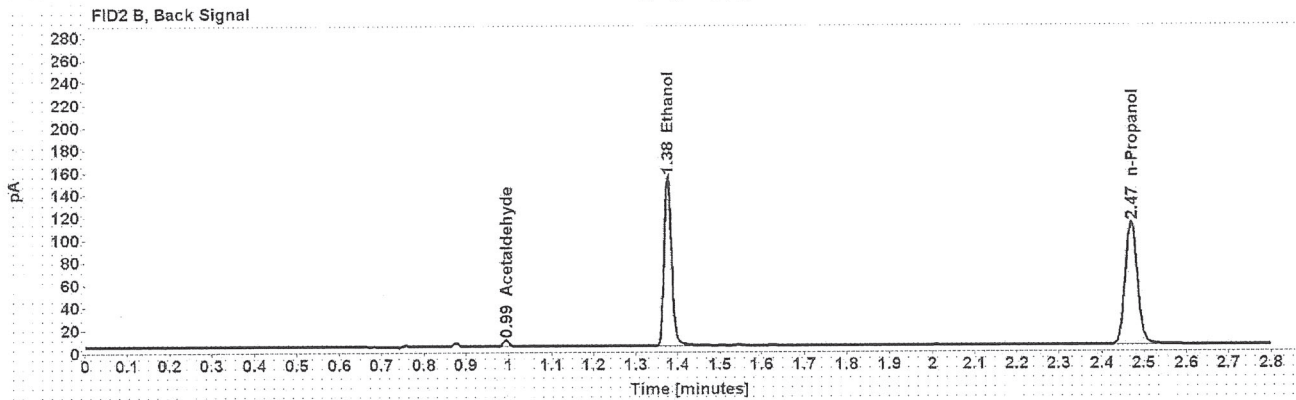
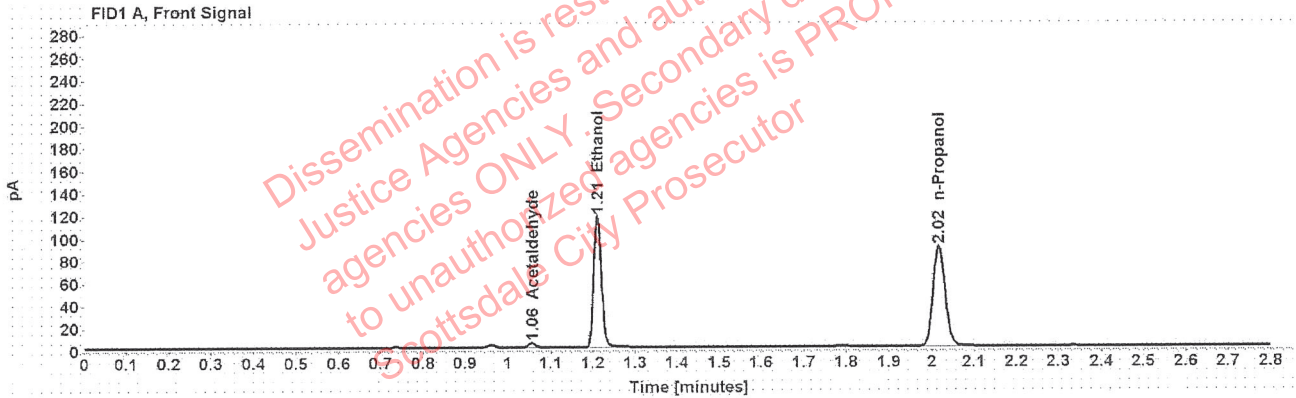


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.990
>Ethanol	0.2285	1.210	148.963
n-Propanol	-----	2.017	177.324

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.240
Ethanol	1.376	188.441
n-Propanol	2.469	220.740

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1317063	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:40:46 PM
Data file:	C:\Chem32\1\Data\27May20 1\19.D	Analyst:	Brooke

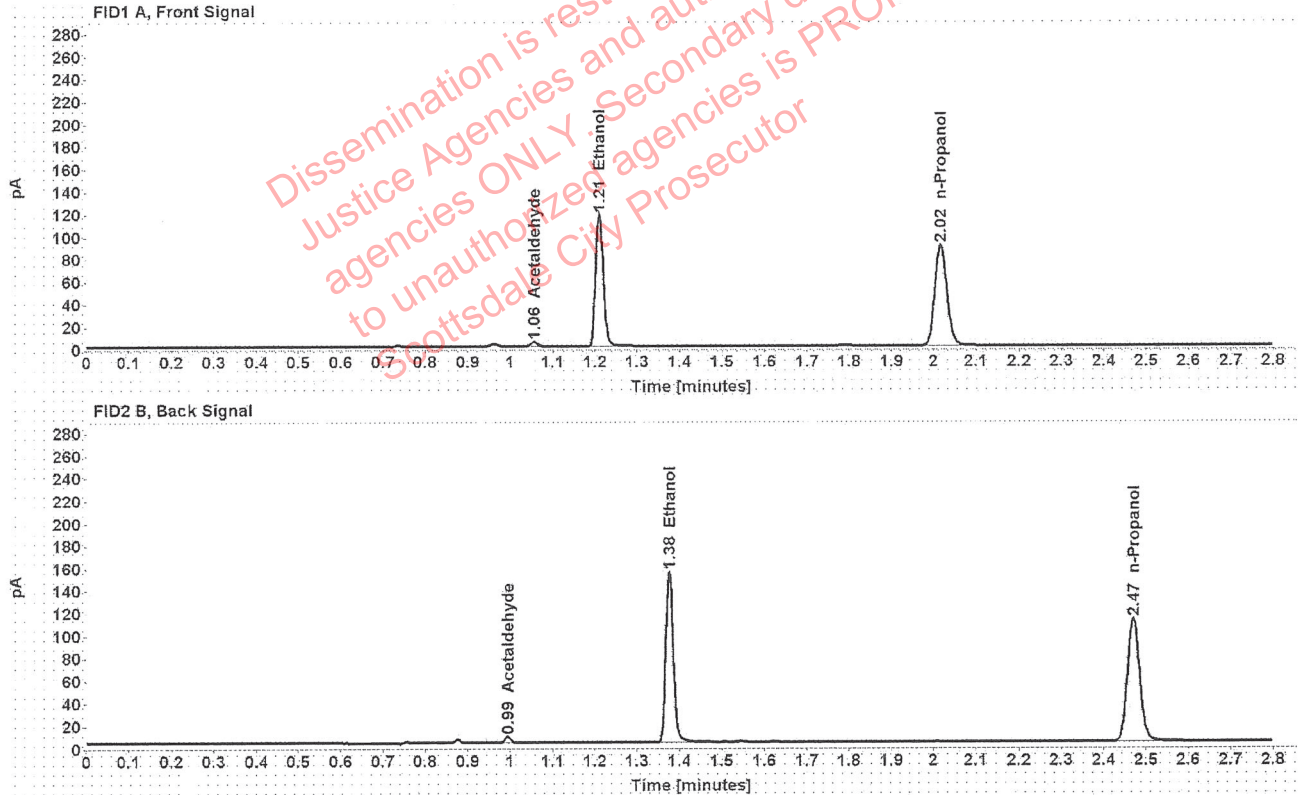


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	4.057
>Ethanol	0.2289	1.210	150.420
n-Propanol	-----	2.017	178.700

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	5.312
Ethanol	1.376	190.162
n-Propanol	2.470	222.259

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319961	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:48:46 PM
Data file:	C:\Chem32\1\Data\27May20 1\21.D	Analyst:	Brooke

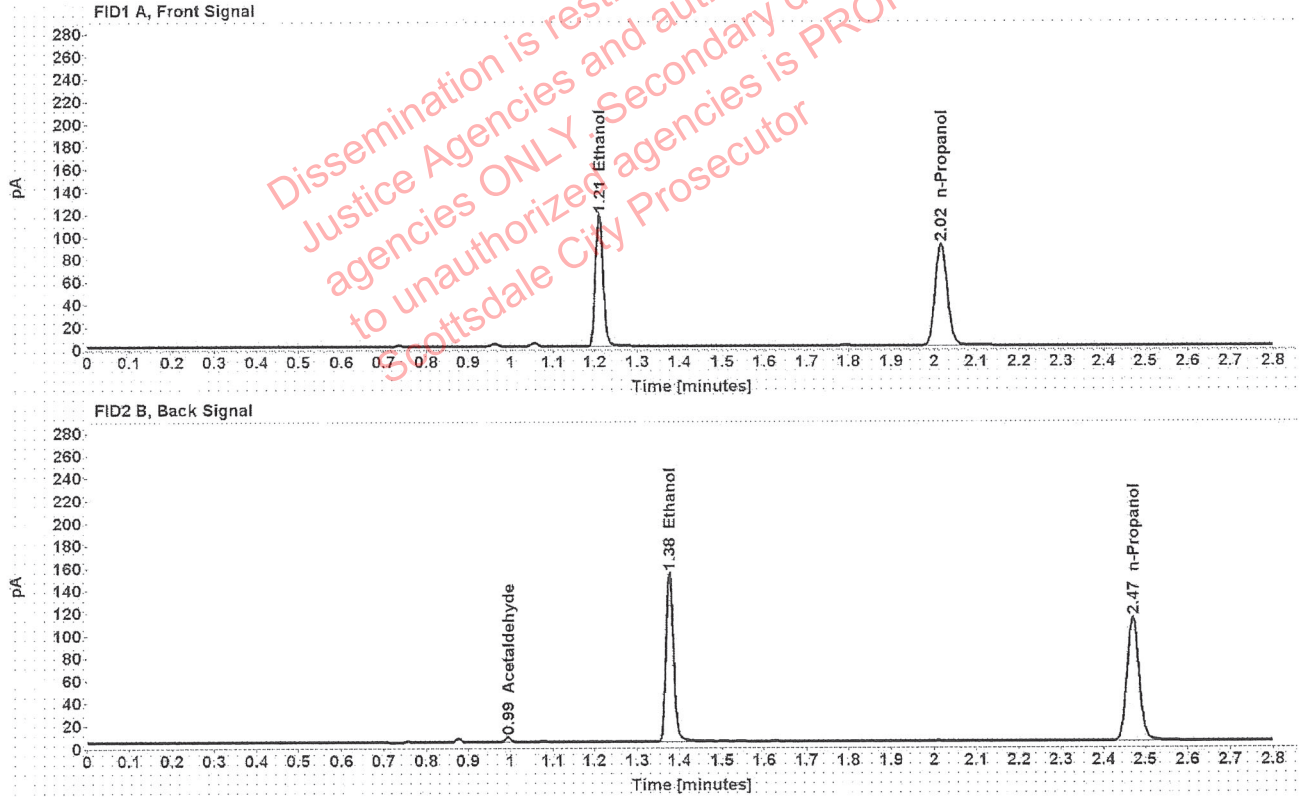


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2247	1.211	148.683
n-Propanol	-----	2.017	179.959

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.991
Ethanol	1.376	188.349
n-Propanol	2.470	223.238

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319961	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:52:47 PM
Data file:	C:\Chem32\1\Data\27May20 1\22.D	Analyst:	Brooke

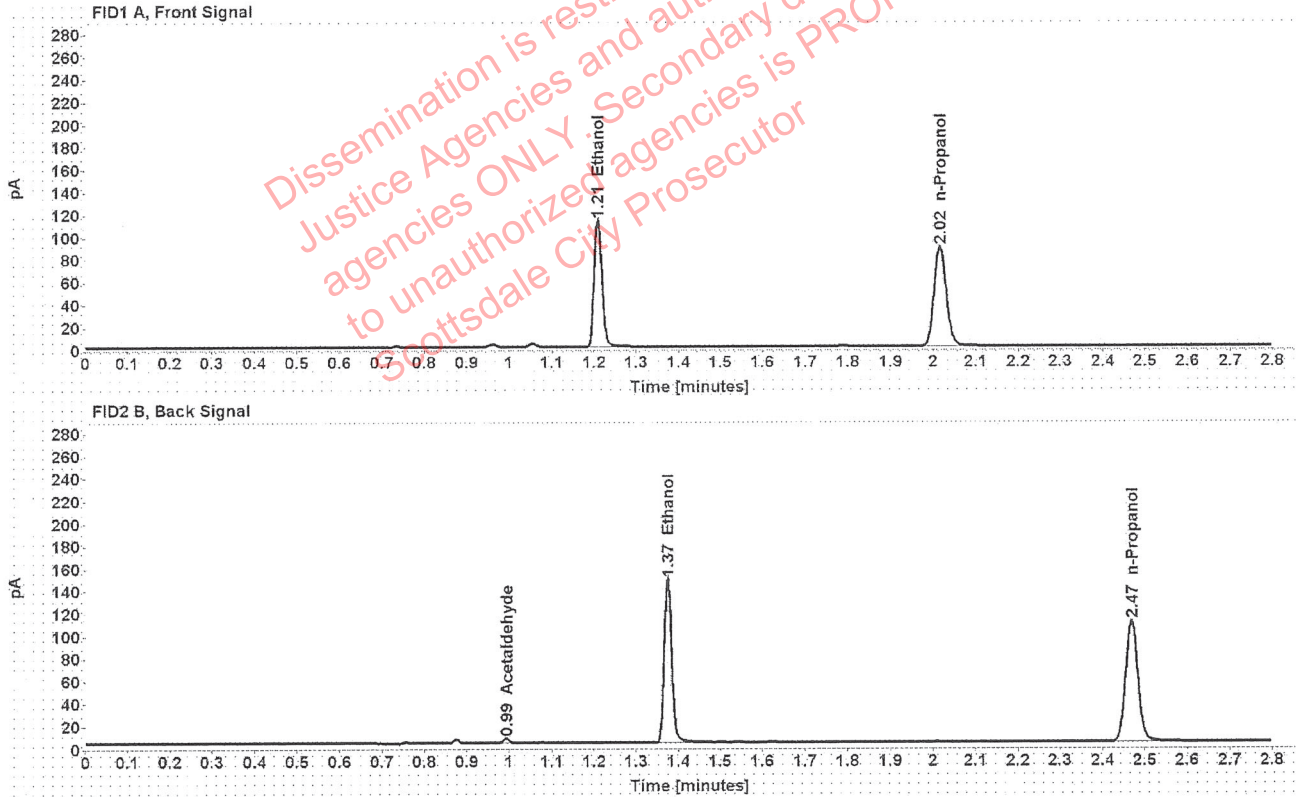


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2225	1.210	143.743
n-Propanol	-----	2.016	175.735

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	3.914
Ethanol	1.374	182.225
n-Propanol	2.468	218.313

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321600	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 12:56:47 PM
Data file:	C:\Chem32\1\Data\27May20 1\23.D	Analyst:	Brooke

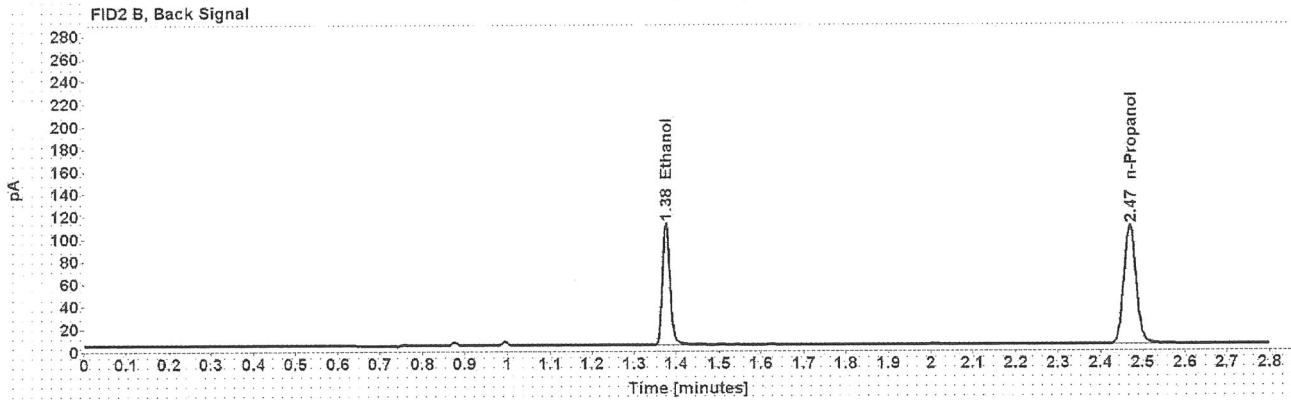
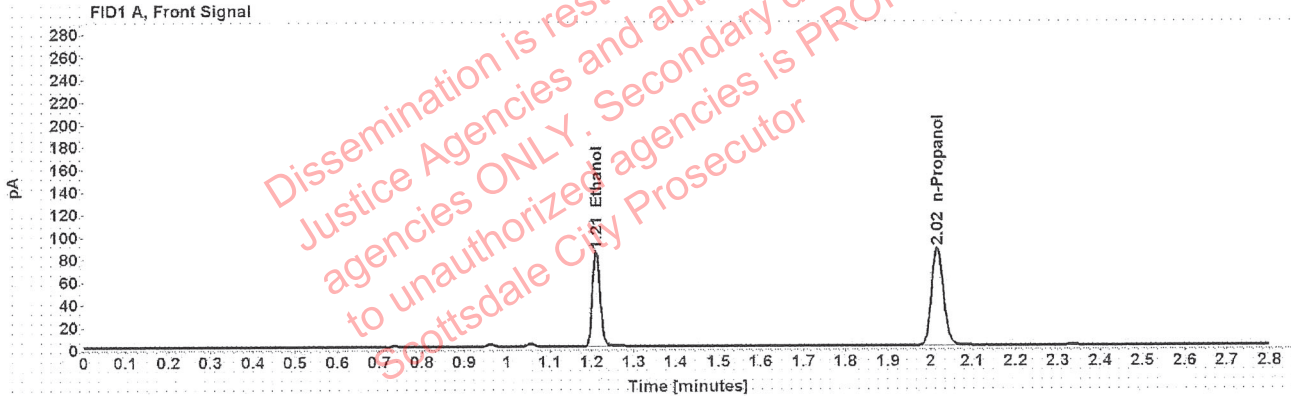


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1705	1.211	107.823
n-Propanol	-----	2.017	172.435

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

Compound	Time (min)	Peak Area
Ethanol	1.376	136.511
n-Propanol	2.469	214.503

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321600	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:00:46 PM
Data file:	C:\Chem32\1\Data\27May20 1\24.D	Analyst:	Brooke

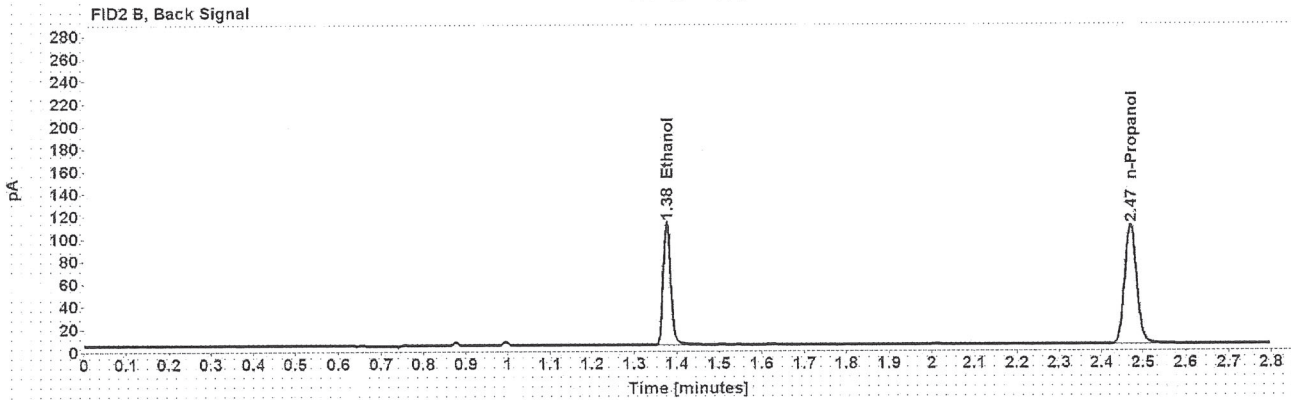
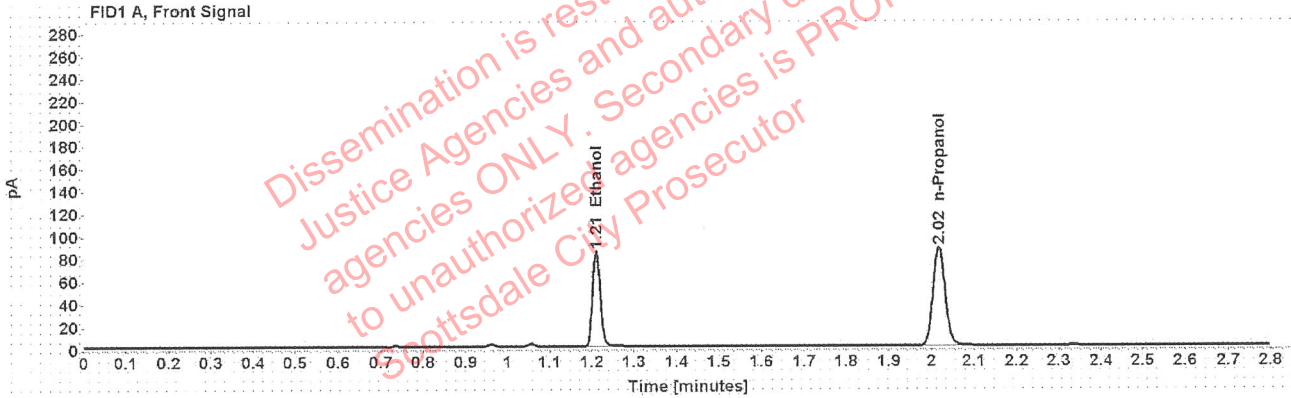


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1696	1.211	108.140
n-Propanol	-----	2.017	173.834

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

Compound	Time (min)	Peak Area
Ethanol	1.376	134.991
n-Propanol	2.470	216.258

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321861	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:05:01 PM
Data file:	C:\Chem32\1\Data\27May20 1\25.D	Analyst:	Brooke

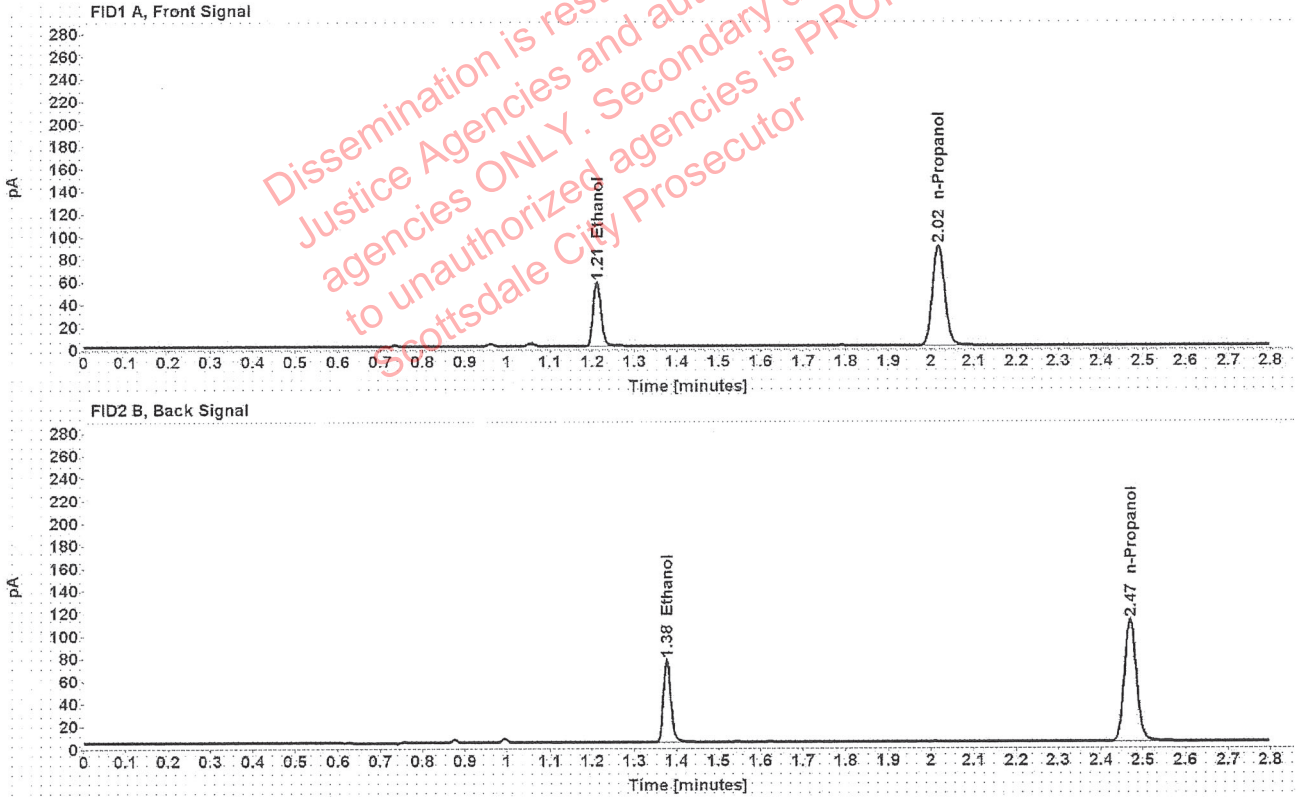


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1128	1.211	72.733
n-Propanol	-----	2.017	176.649

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

Compound	Time (min)	Peak Area
Ethanol	1.377	90.721
n-Propanol	2.470	219.409

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321861	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:09:02 PM
Data file:	C:\Chem32\1\Data\27May20 1\26.D	Analyst:	Brooke

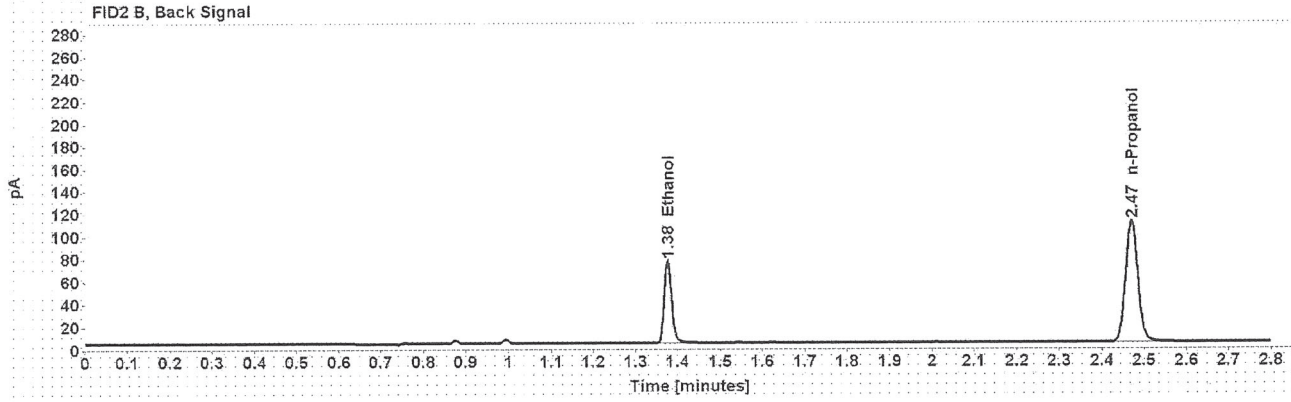
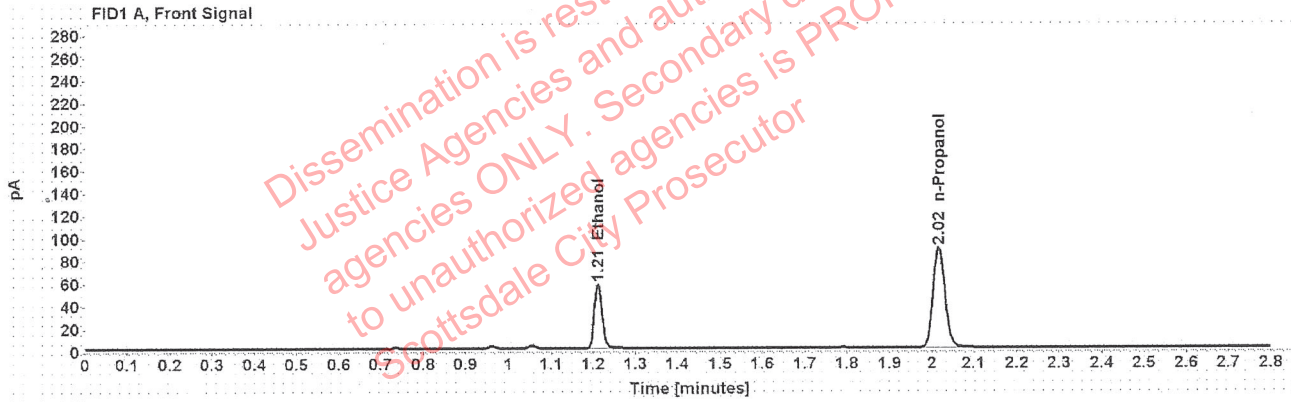


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1130	1.211	72.942
n-Propanol	-----	2.017	176.773

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

Compound	Time (min)	Peak Area
Ethanol	1.377	90.969
n-Propanol	2.470	219.718

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320823	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:13:02 PM
Data file:	C:\Chem32\1\Data\27May20 1\27.D	Analyst:	Brooke

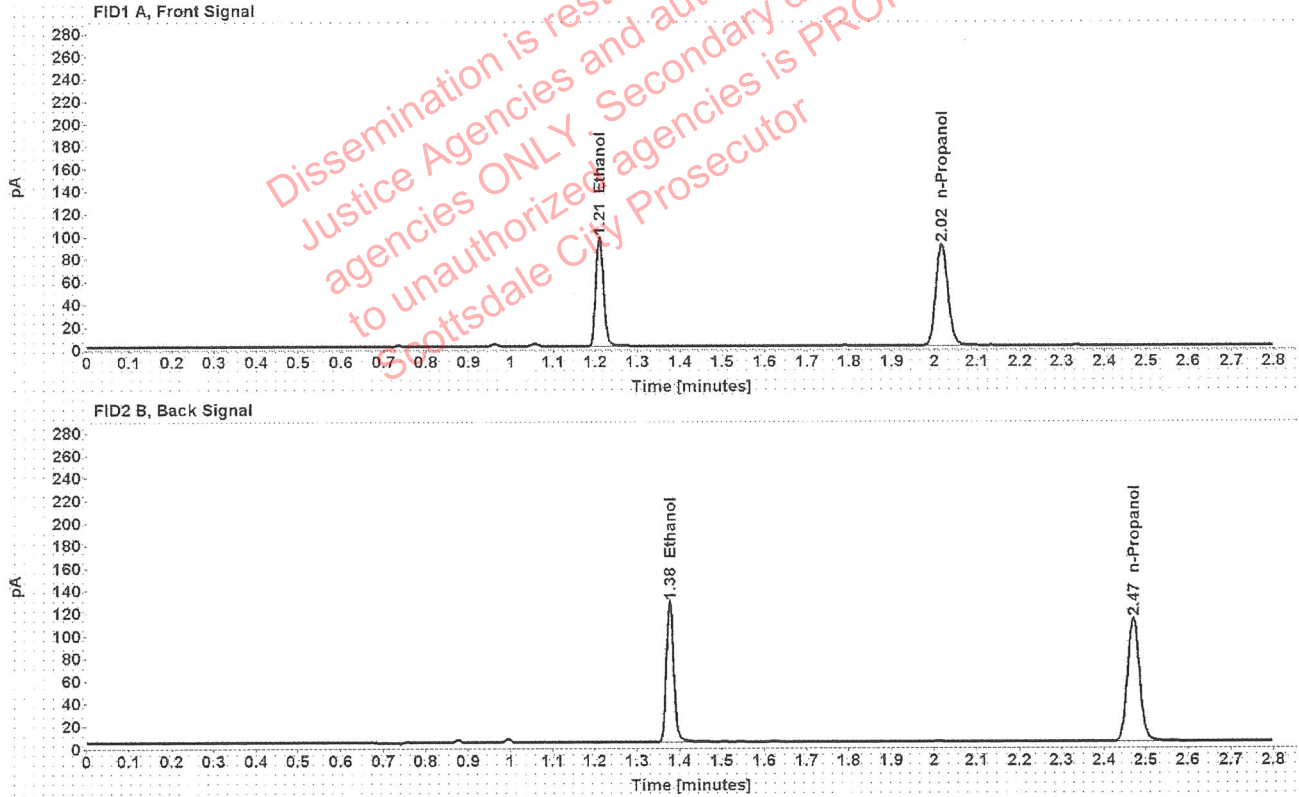


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1884	1.211	123.501
n-Propanol	-----	2.017	178.569

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

Compound	Time (min)	Peak Area
Ethanol	1.376	156.378
n-Propanol	2.470	221.830

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320823	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:17:02 PM
Data file:	C:\Chem32\1\Data\27May20 1\28.D	Analyst:	Brooke

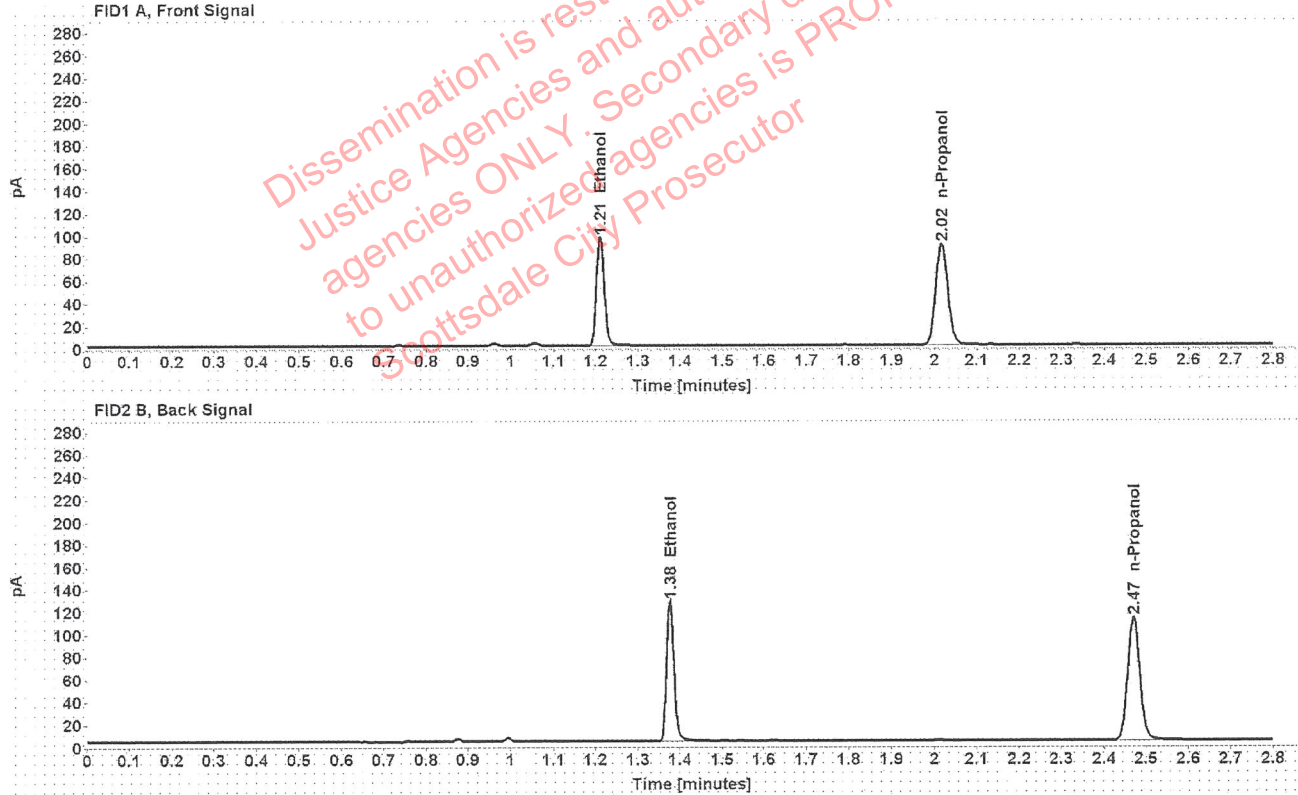


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1884	1.211	123.833
n-Propanol	-----	2.017	179.013

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

Compound	Time (min)	Peak Area
Ethanol	1.376	156.657
n-Propanol	2.470	222.545

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320141	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:21:01 PM
Data file:	C:\Chem32\1\Data\27May20 1\29.D	Analyst:	Brooke

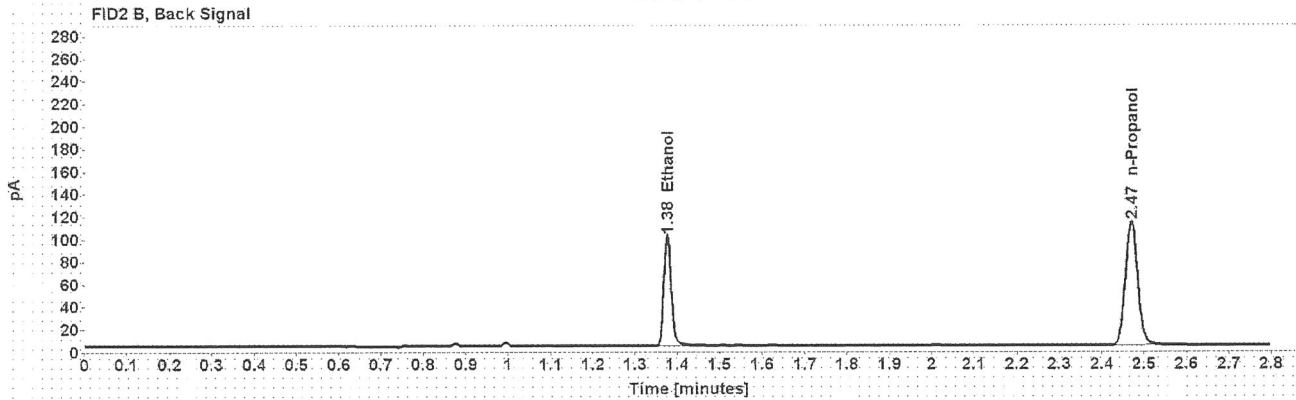
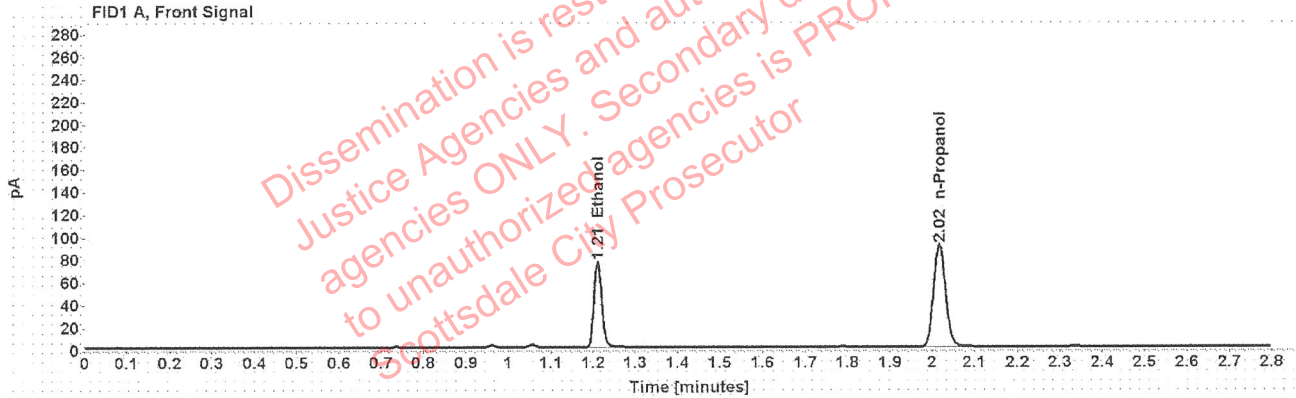


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1474	1.211	97.357
n-Propanol	-----	2.017	180.351

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

Compound	Time (min)	Peak Area
Ethanol	1.376	121.578
n-Propanol	2.470	223.616

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1320141	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:25:02 PM
Data file:	C:\Chem32\11\Data\27May20 1\30.D	Analyst:	Brooke

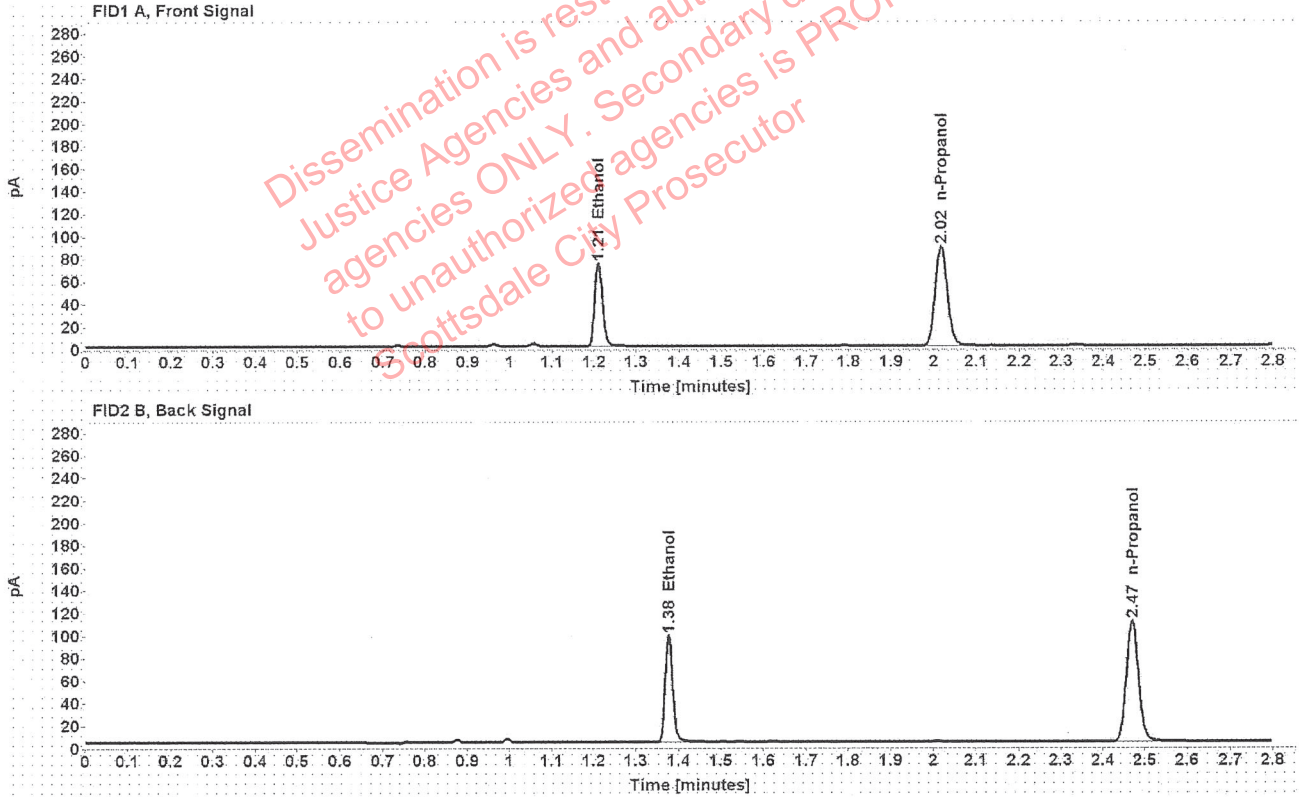


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1468	1.211	94.457
n-Propanol	-----	2.017	175.639

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

Compound	Time (min)	Peak Area
Ethanol	1.376	118.069
n-Propanol	2.470	217.731

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1316125	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:33:17 PM
Data file:	C:\Chem32\1\Data\27May20 1\32.D	Analyst:	Brooke

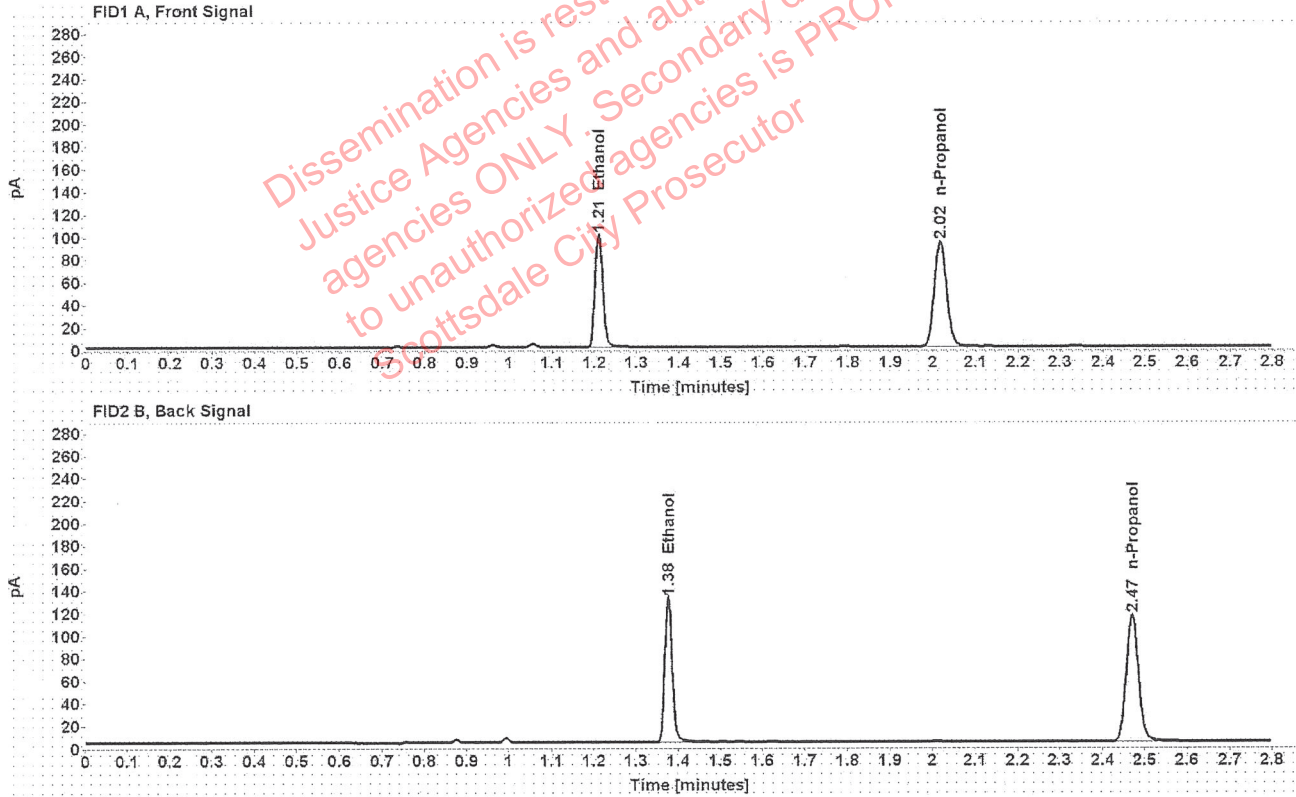


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1886	1.211	127.792
n-Propanol	-----	2.017	184.589

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

Compound	Time (min)	Peak Area
Ethanol	1.376	161.783
n-Propanol	2.470	229.366

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1316125	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:37:16 PM
Data file:	C:\Chem32\1\Data\27May20 1\33.D	Analyst:	Brooke

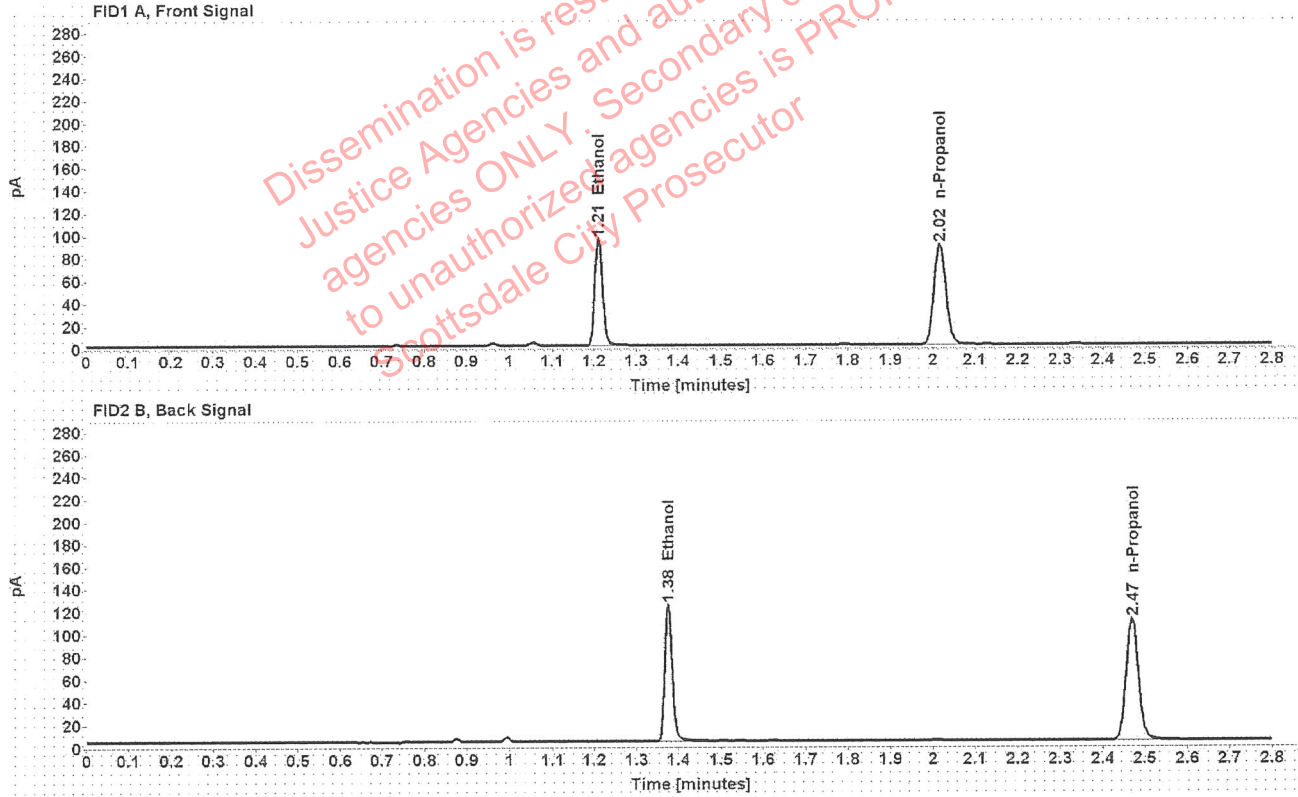


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1862	1.210	120.376
n-Propanol	-----	2.017	176.113

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

Compound	Time (min)	Peak Area
Ethanol	1.376	152.332
n-Propanol	2.469	218.742

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321055	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:41:16 PM
Data file:	C:\Chem32\1\Data\27May20 1\34.D	Analyst:	Brooke

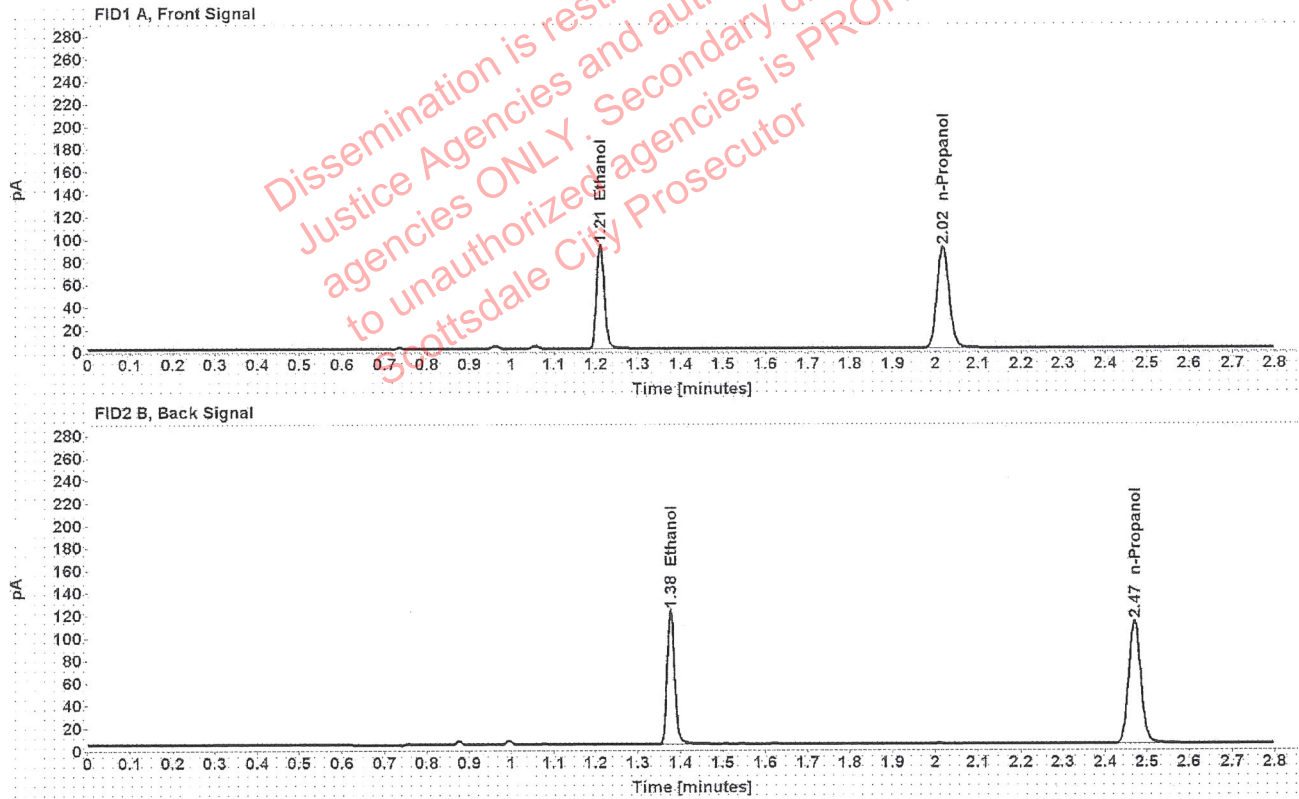


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1802	1.211	118.158
n-Propanol	-----	2.017	178.653

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

Compound	Time (min)	Peak Area
Ethanol	1.376	149.550
n-Propanol	2.470	222.053

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1321055	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:45:16 PM
Data file:	C:\Chem32\1\Data\27May20 1\35.D	Analyst:	Brooke

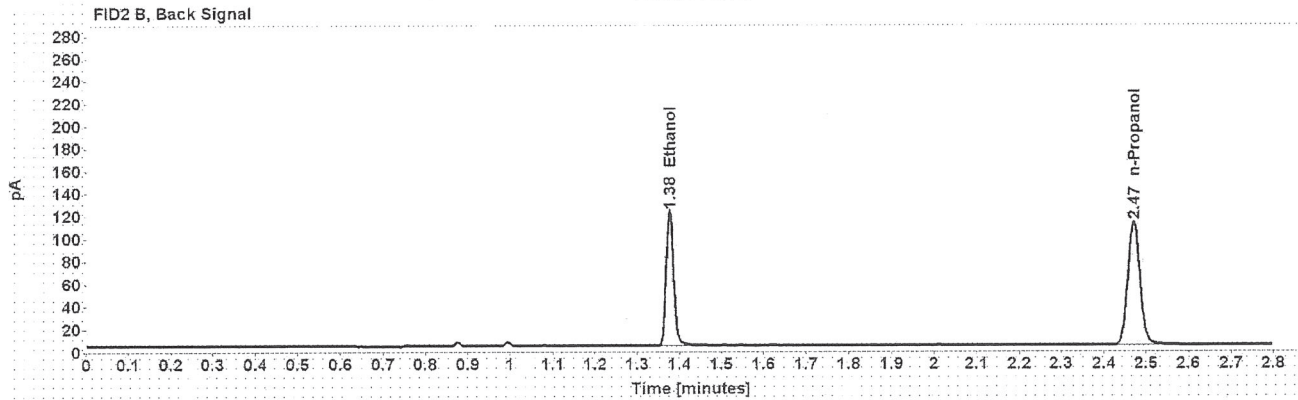
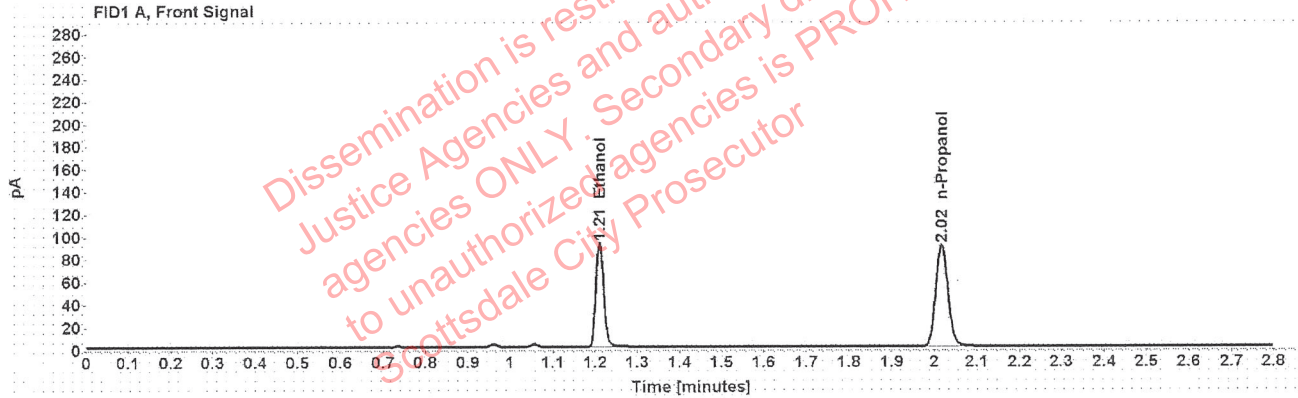


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1806	1.211	118.474
n-Propanol	-----	2.017	178.762

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

Compound	Time (min)	Peak Area
Ethanol	1.376	148.320
n-Propanol	2.470	222.199

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319531	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:49:16 PM
Data file:	C:\Chem32\1\Data\27May20 1\36.D	Analyst:	Brooke

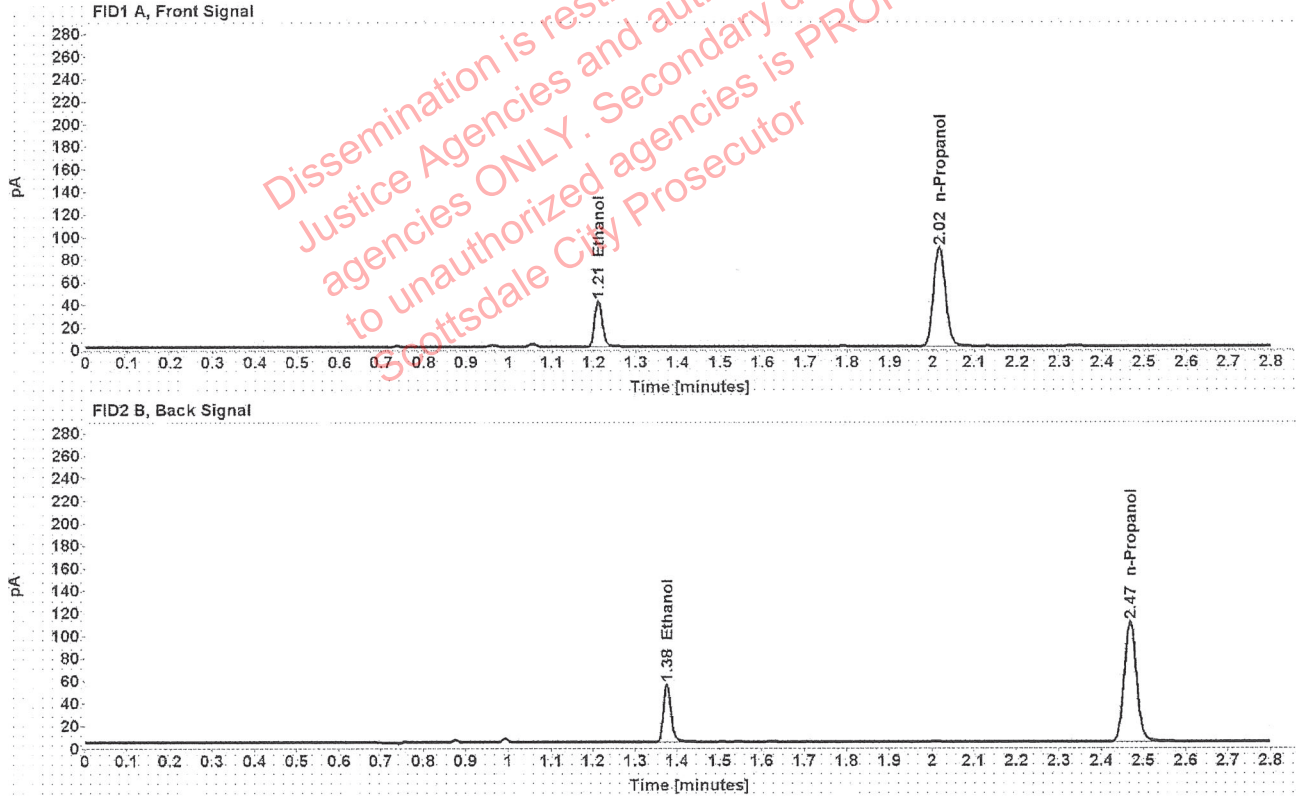


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0816	1.211	51.890
n-Propanol	-----	2.016	175.182

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

Compound	Time (min)	Peak Area
Ethanol	1.375	64.601
n-Propanol	2.468	217.438

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1319531	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:53:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\37.D	Analyst:	Brooke

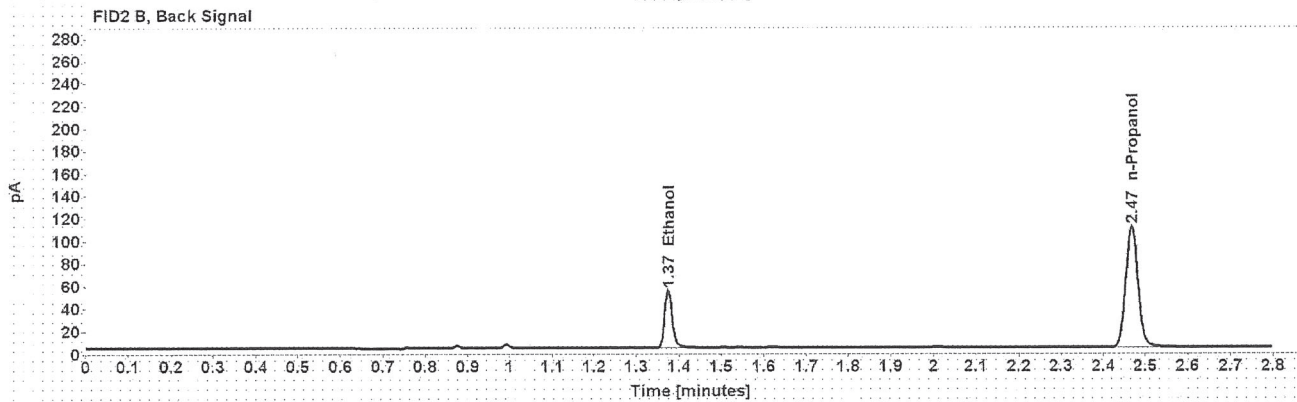
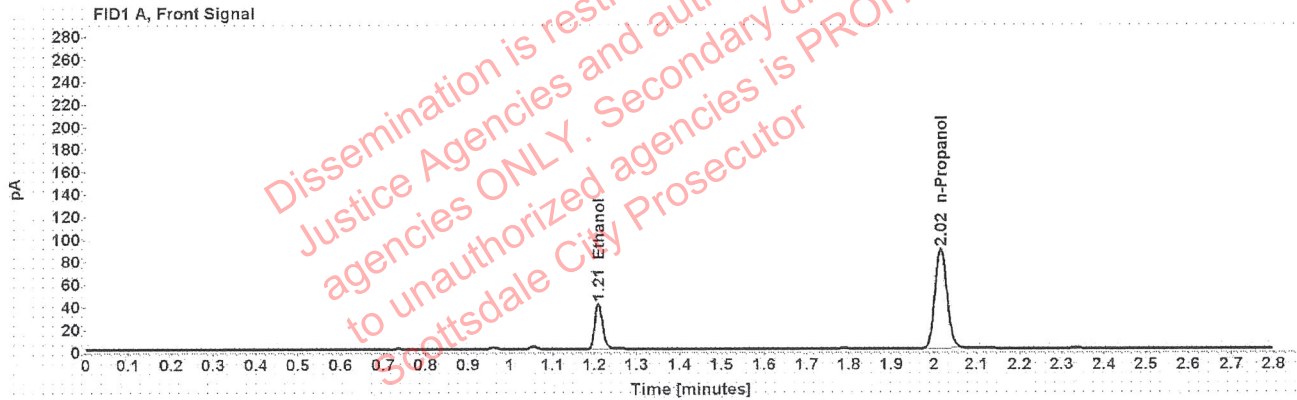


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0809	1.210	51.860
n-Propanol	-----	2.015	176.455

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

Compound	Time (min)	Peak Area
Ethanol	1.374	64.400
n-Propanol	2.467	218.891

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322541	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 1:57:32 PM
Data file:	C:\Chem32\1\Data\27May20 1\38.D	Analyst:	Brooke

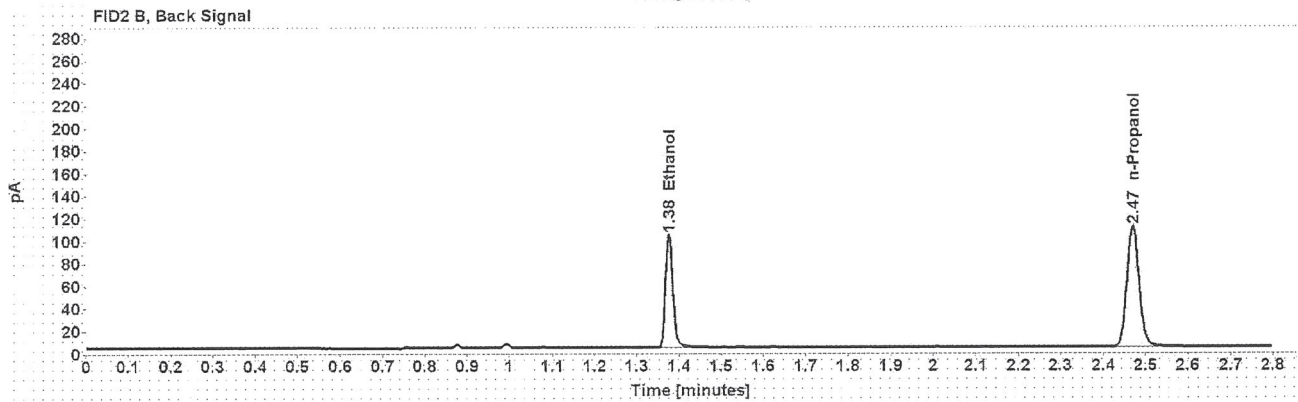
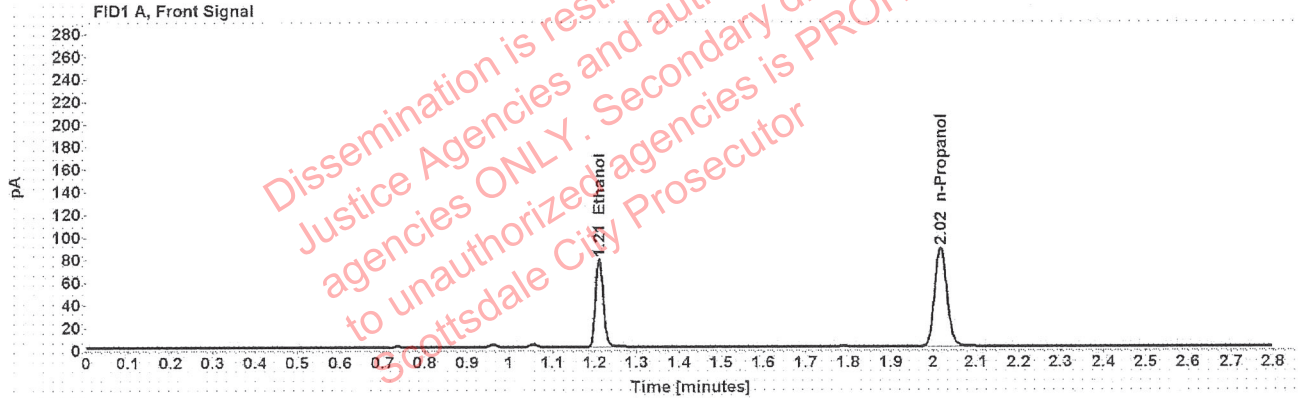


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1556	1.211	99.835
n-Propanol	-----	2.017	175.060

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

Compound	Time (min)	Peak Area
Ethanol	1.376	124.890
n-Propanol	2.470	217.029

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322541	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 2:01:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\39.D	Analyst:	Brooke

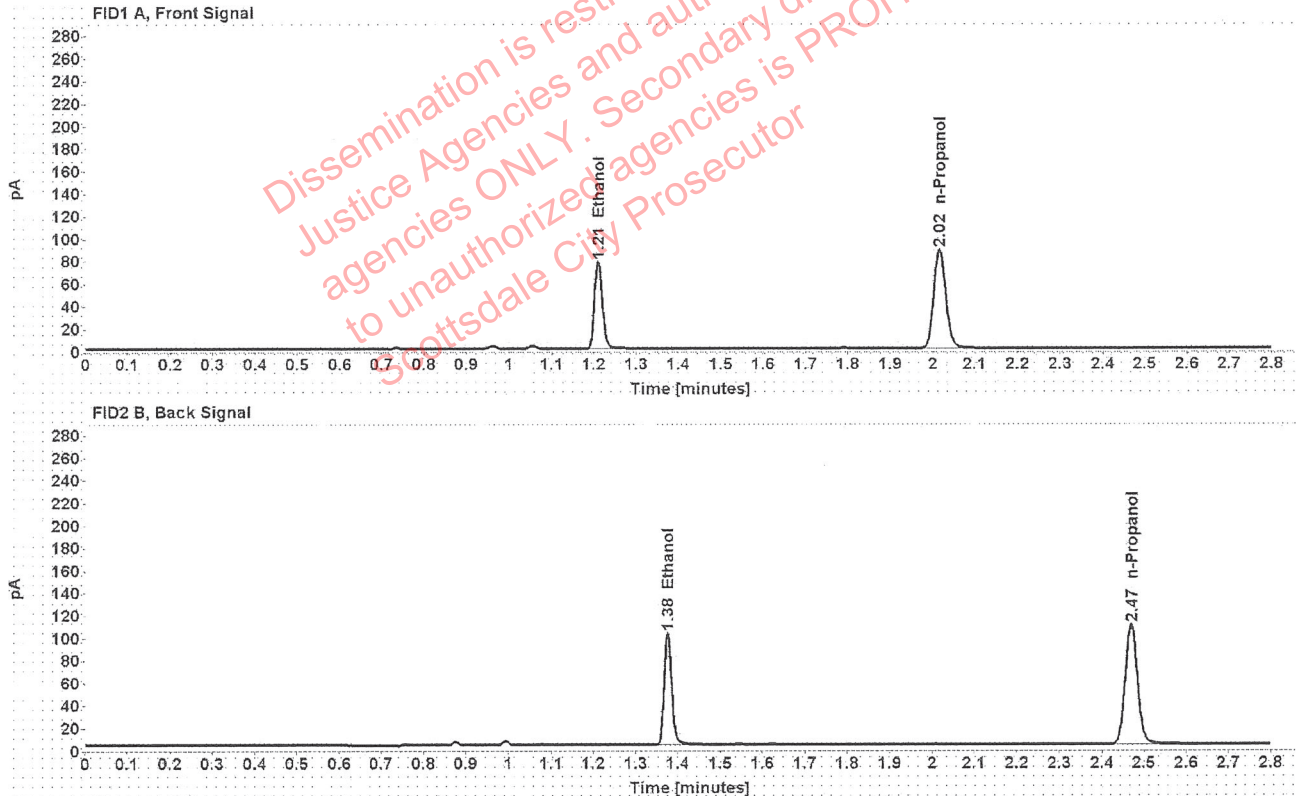


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1553	1.211	99.191
n-Propanol	-----	2.016	174.279

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

Compound	Time (min)	Peak Area
Ethanol	1.376	123.854
n-Propanol	2.469	216.185

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1322426	Vial: 40
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 27May20 1
Instrument: US14173023 CN14160045	Injection date: 5/27/2020 2:05:31 PM
Data file: C:\Chem32\1\Data\27May20 1\40.D	Analyst: Brooke

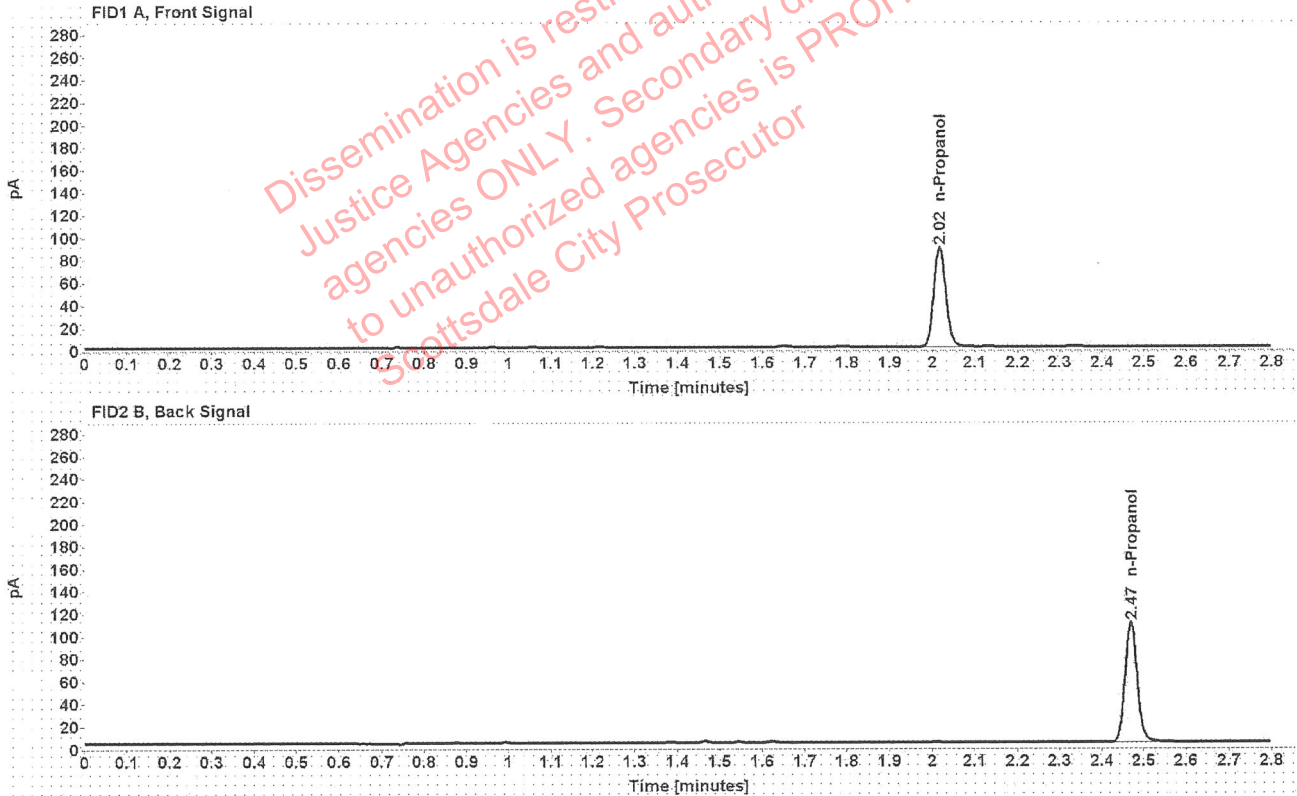


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.017	174.942

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	217.401

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322426	Vial:	41
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	27May20 1
Instrument:	US14173023 CN14160045	Injection date:	5/27/2020 2:09:31 PM
Data file:	C:\Chem32\1\Data\27May20 1\41.D	Analyst:	Brooke

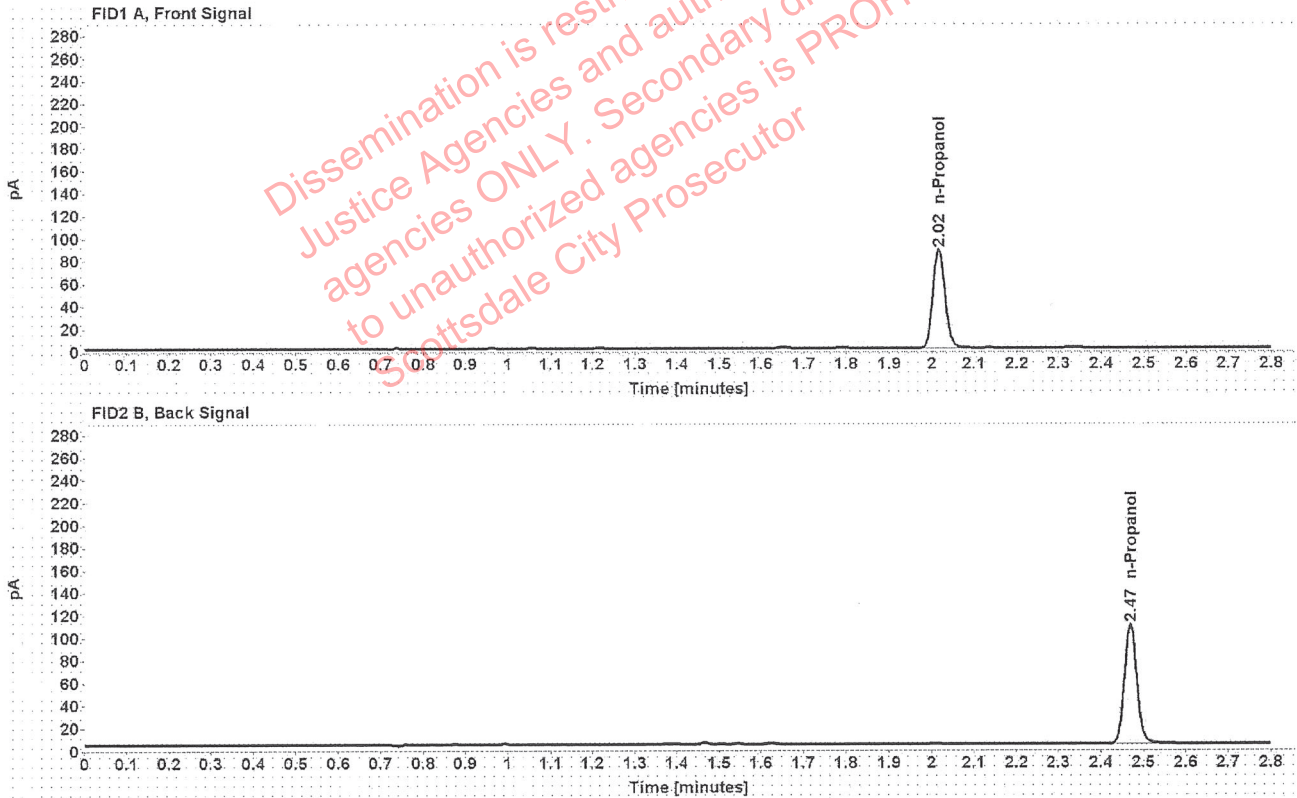


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.016	173.644

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

Compound	Time (min)	Peak Area
n-Propanol	2.469	216.192