

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 03/24/20 SEQUENCE NAME 24Mar20

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 0.99997
 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 121219
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819
7	Aqueous control	0.400 g/dL	0.405 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.040 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	0.150 g/dL	0.152 g/dL	Lipomed 14082019-C
40	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
41	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 14082019-B
42	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
43	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 14 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid Run invalid [Signature] Analyst
 Run valid Run invalid [Signature] Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

18

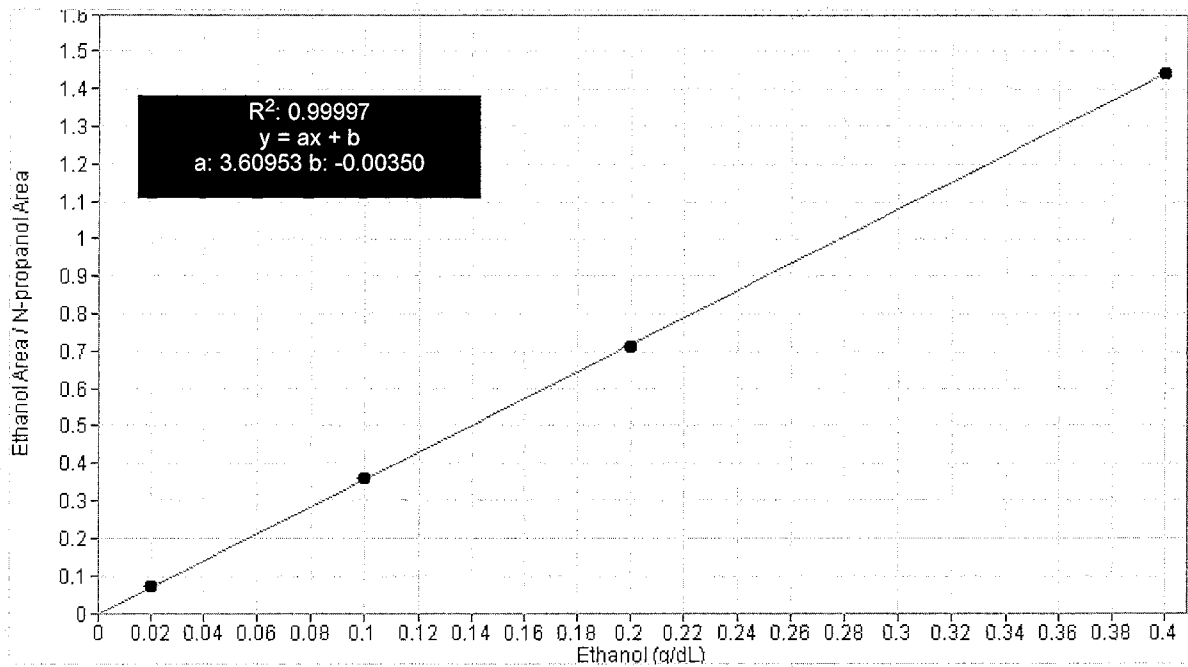
SEQUENCE NAME: 24Mar20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 121219	5	negative	negative	-	-
0.400 11092018-A	7	0.405	0.400	1.25	0.005
0.040 14082019-B	8	0.040	0.040	0.00	0.000
0.198 407041529/13	9	0.200	0.198	1.01	0.002
0.080 03102016-A/1	20	0.080	0.080	0.00	0.000
0.150 14082019-C	31	0.152	0.150	1.33	0.002
0.400 11092018-A	40	0.401	0.400	0.25	0.001
0.040 14082019-B	41	0.040	0.040	0.00	0.000
0.198 407041529/13	42	0.198	0.198	0.00	0.000
blank 040919WB	43	negative	negative	-	-

Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	11.835	170.842	0.069
0.100	61.098	169.802	0.360
0.200	122.001	170.926	0.714
0.400	244.304	169.418	1.442

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 24Mar20
Method: ethanol quant.M	Injection date: 3/24/2020 10:54:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Mar20\1.D	

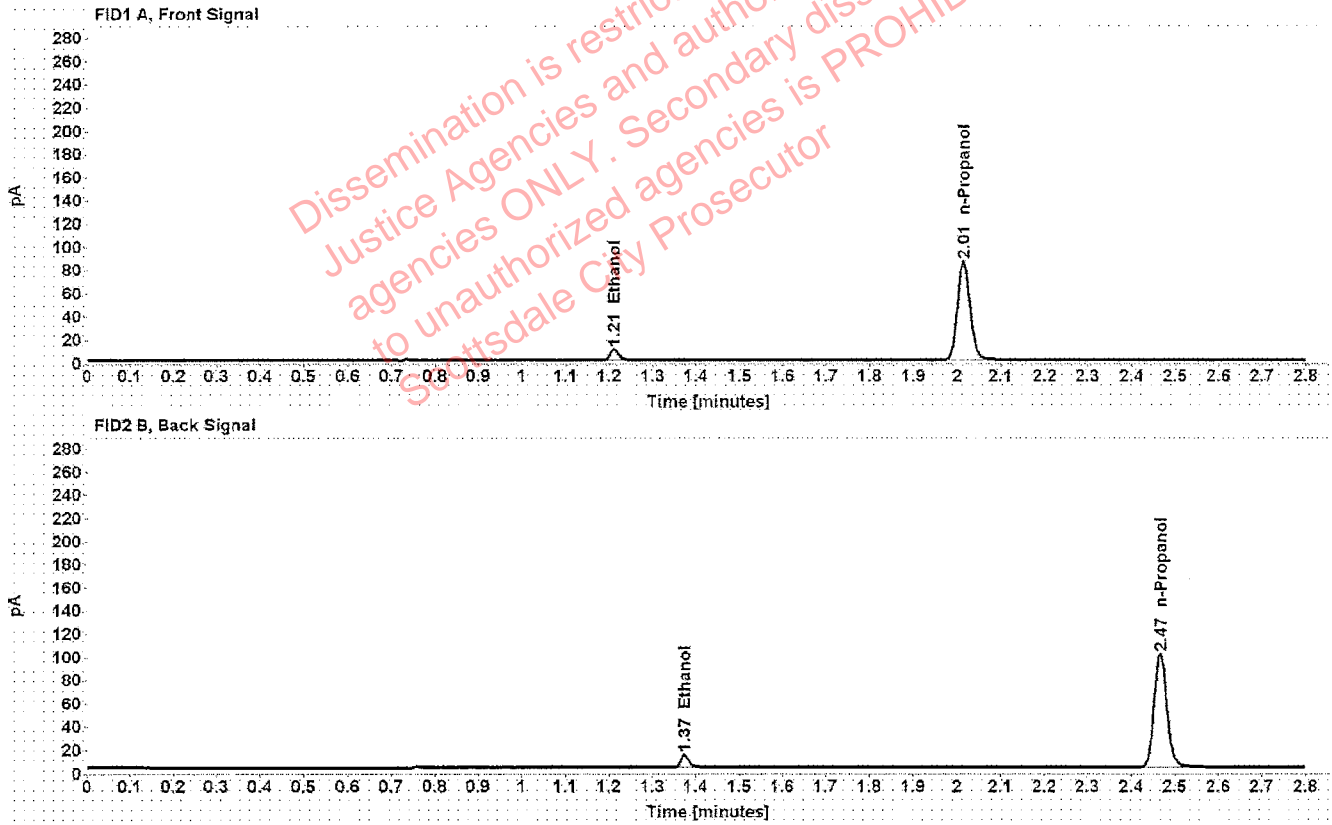


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.211	11.835
n-Propanol	2.014	170.842

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

Compound	Time (min)	Peak Area
Ethanol	1.375	14.267
n-Propanol	2.466	201.900

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN02271802	Vial: 2
Description: 0.100 calibrator	Sequence: 24Mar20
Method: ethanol quant.M	Injection date: 3/24/2020 10:58:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Mar20\2.D	

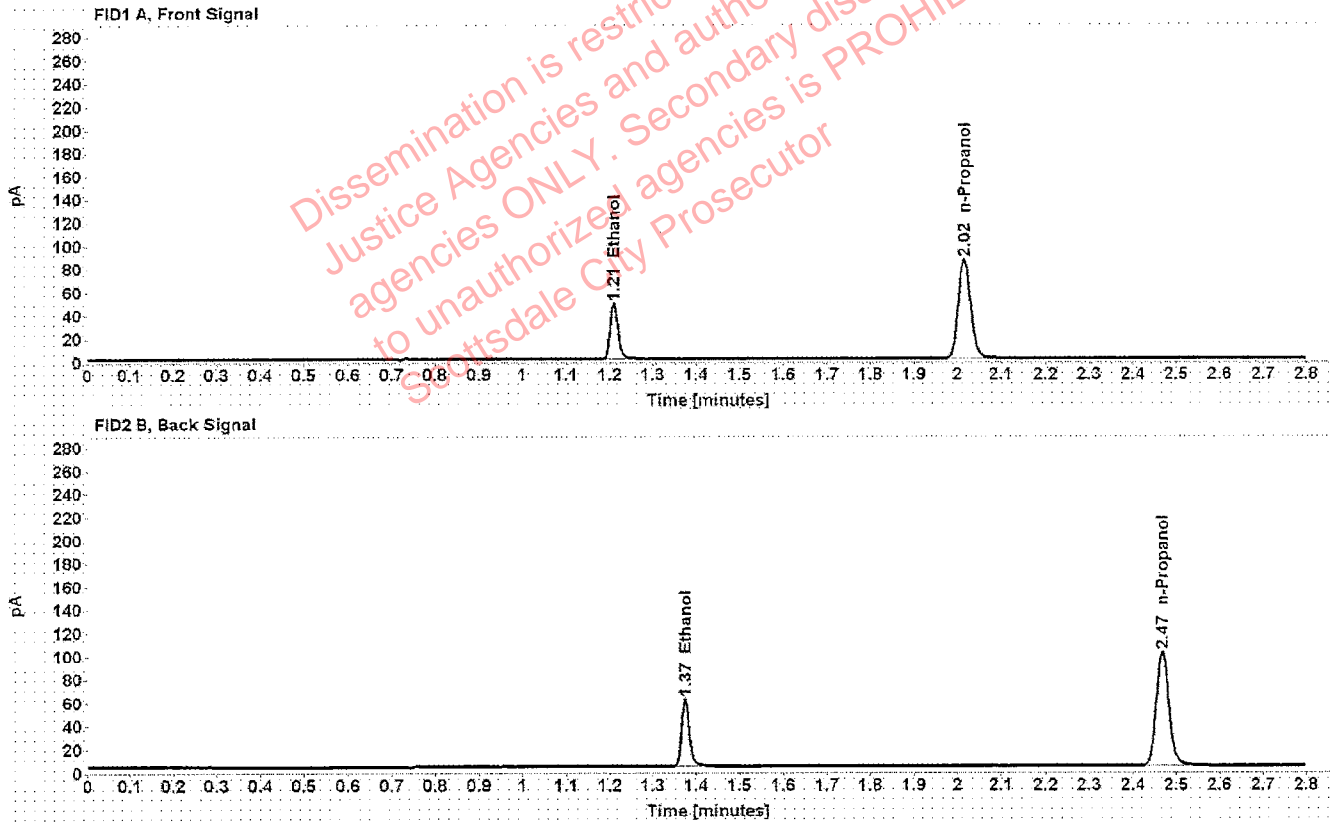


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.210	61.098
n-Propanol	2.015	169.802

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

Compound	Time (min)	Peak Area
Ethanol	1.374	74.064
n-Propanol	2.467	201.607

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN06231704	Vial: 3
Description: 0.200 calibrator	Sequence: 24Mar20
Method: ethanol quant.M	Injection date: 3/24/2020 11:02:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>PB</i>
Data file: C:\Chem32\1\Data\24Mar20\3.D	

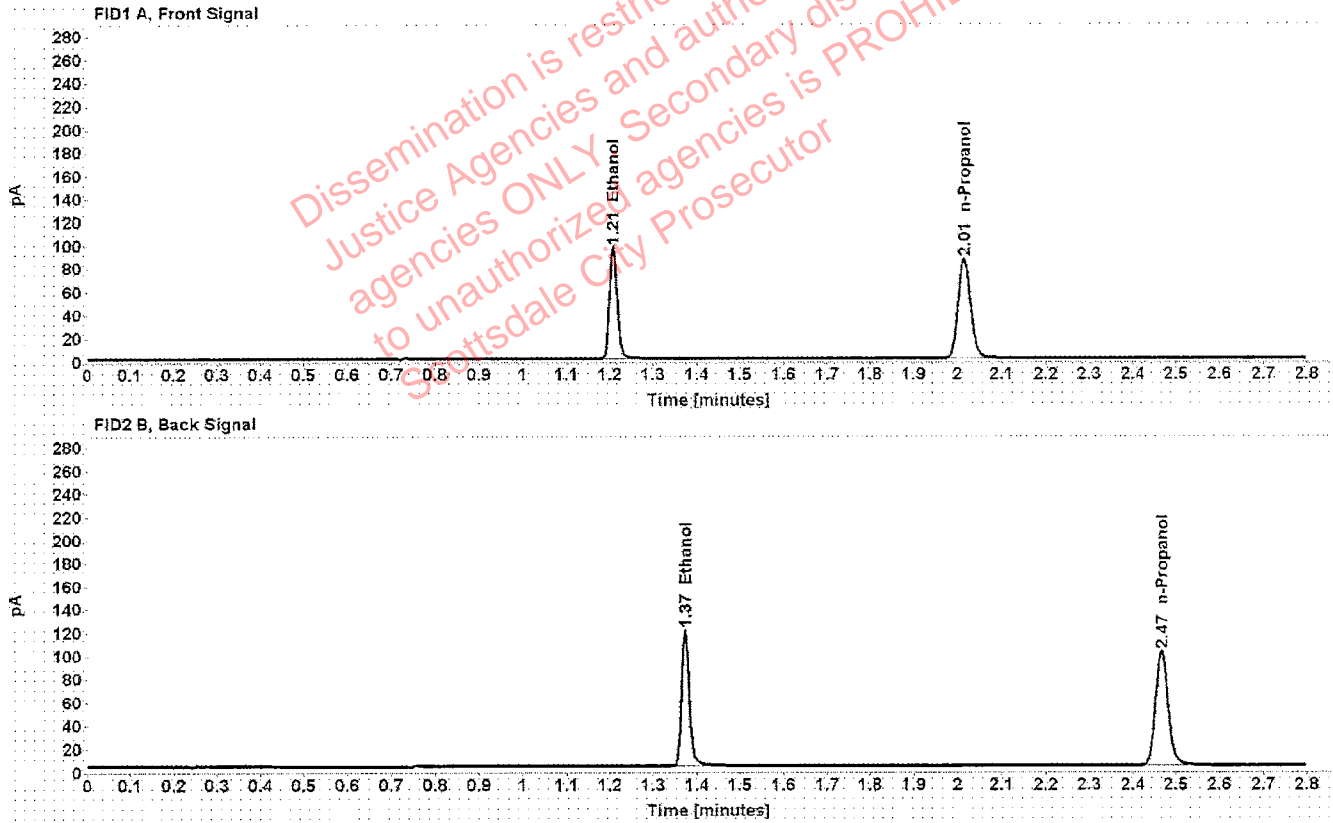


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	122.001
n-Propanol	2.014	170.926

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

Compound	Time (min)	Peak Area
Ethanol	1.373	149.791
n-Propanol	2.466	203.397

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN05131606	Vial: 4
Description: 0.400 calibrator	Sequence: 24Mar20
Method: ethanol quant.M	Injection date: 3/24/2020 11:06:01 AM
Instrument: US14173023 CN14160045	Analyst: Brooke
Data file: C:\Chem32\1\Data\24Mar20\4.D	

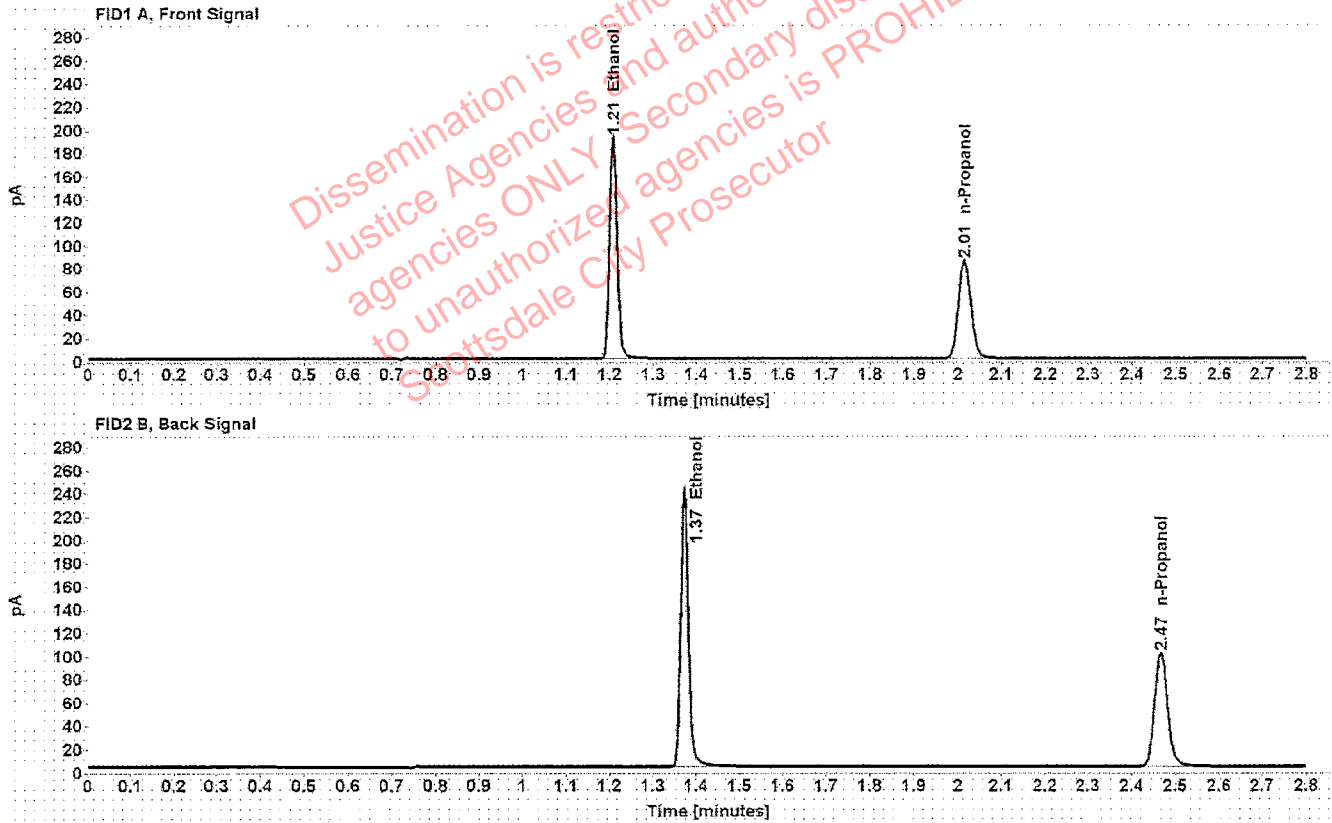


Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.208	244.304
n-Propanol	2.015	169.418

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

Compound	Time (min)	Peak Area
Ethanol	1.373	300.621
n-Propanol	2.467	202.280

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	121219	Vial:	5
Description:	Negative	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:10:01 AM
Data file:	C:\Chem321\Data\24Mar20\5.D	Analyst:	Brooke <i>VB</i>

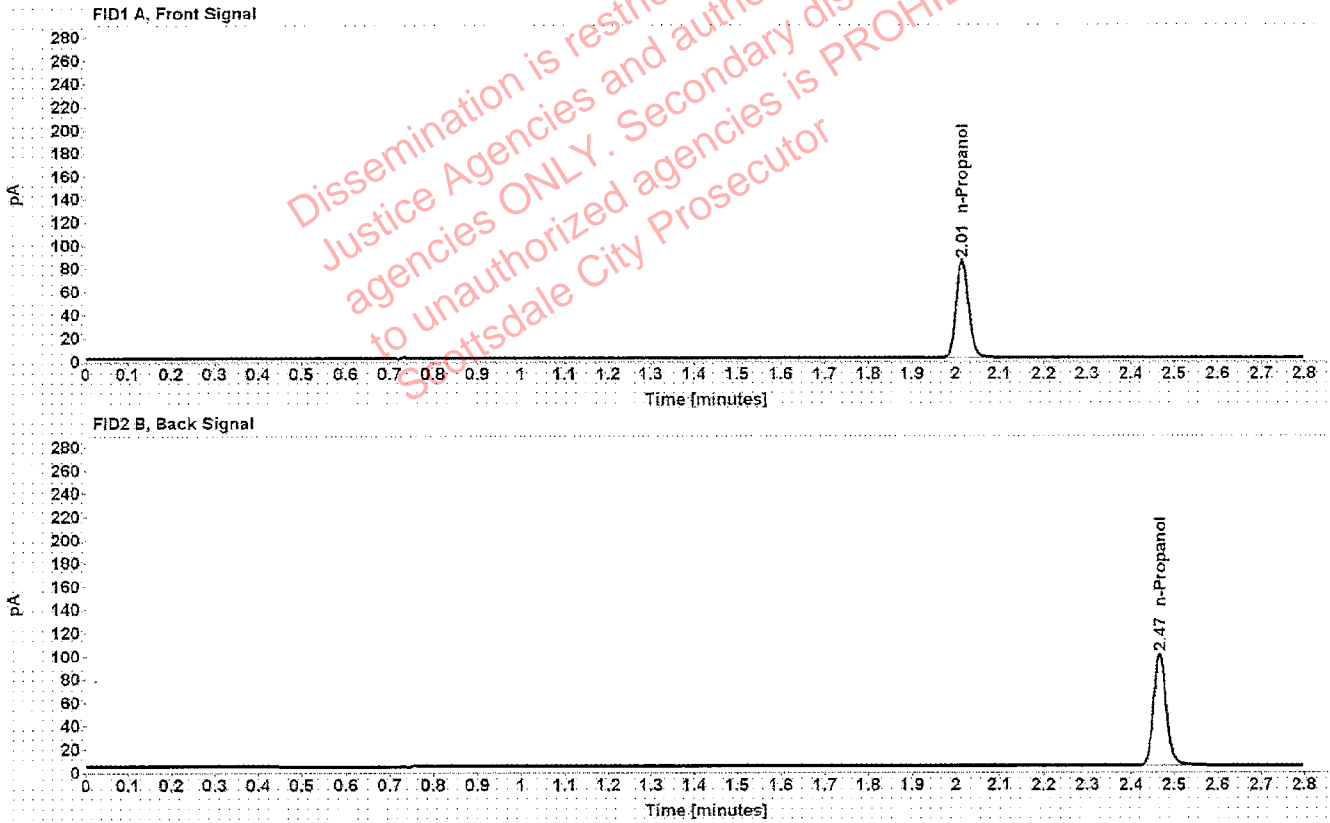


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.014	168.320

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

Compound	Time (min)	Peak Area
n-Propanol	2.466	199.731

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 070819	Vial: 6
Description: Volatiles mix	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 11:14:01 AM
Data file: C:\Chem32\1\Data\24Mar20\6.D	Analyst: Brooke

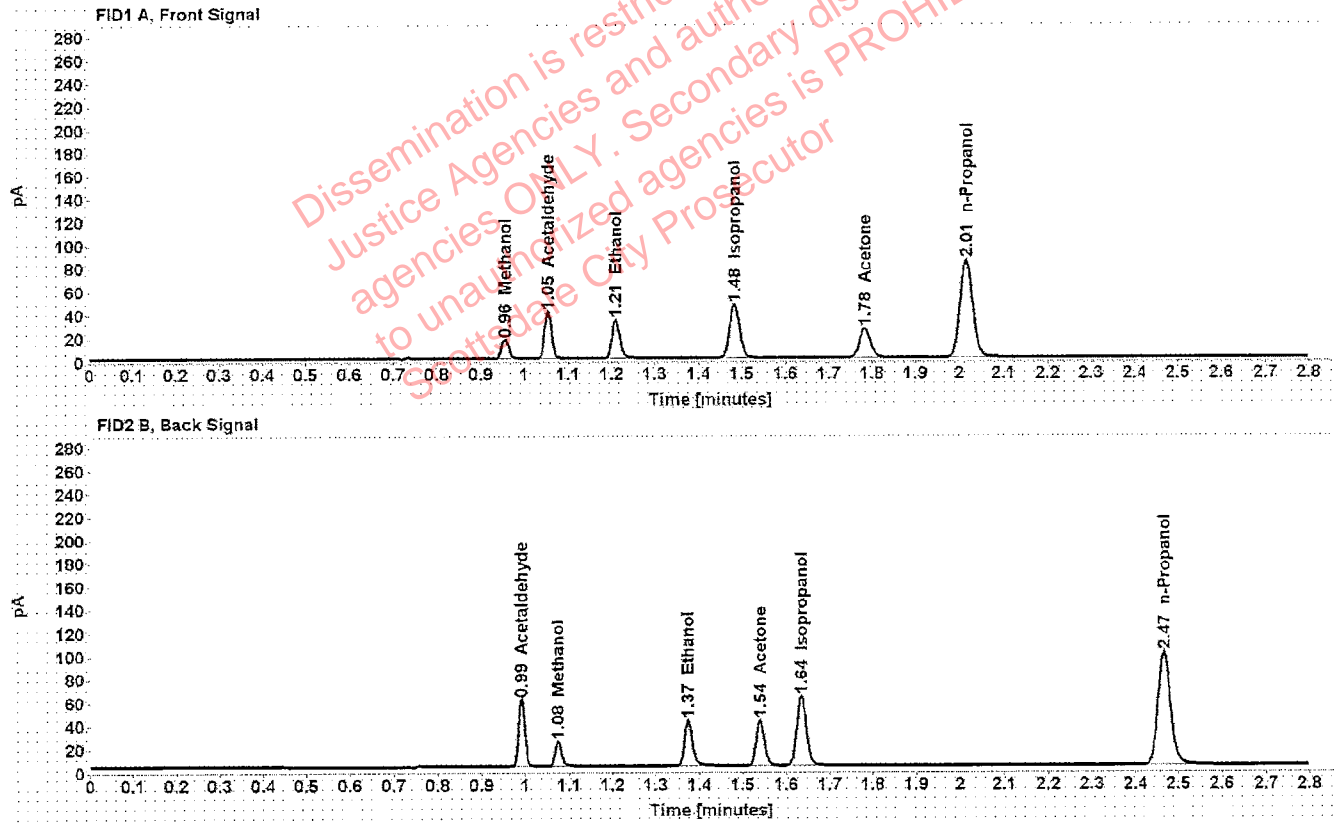


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	-----	0.956	18.510
Acetaldehyde	-----	1.054	44.226
>Ethanol	0.0703	1.210	42.029
Isopropanol	-----	1.483	74.230
Acetone	-----	1.783	43.352
n-Propanol	-----	2.014	168.045

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	56.914
Methanol	1.075	23.493
Ethanol	1.374	50.695
Acetone	1.540	51.900
Isopropanol	1.635	91.975
n-Propanol	2.467	200.912

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	11092018-A	Vial:	7
Description:	0.400	LIMS ID:	
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:18:16 AM
Data file:	C:\Chem32\1\Data\24Mar20\7.D	Analyst:	Brooke

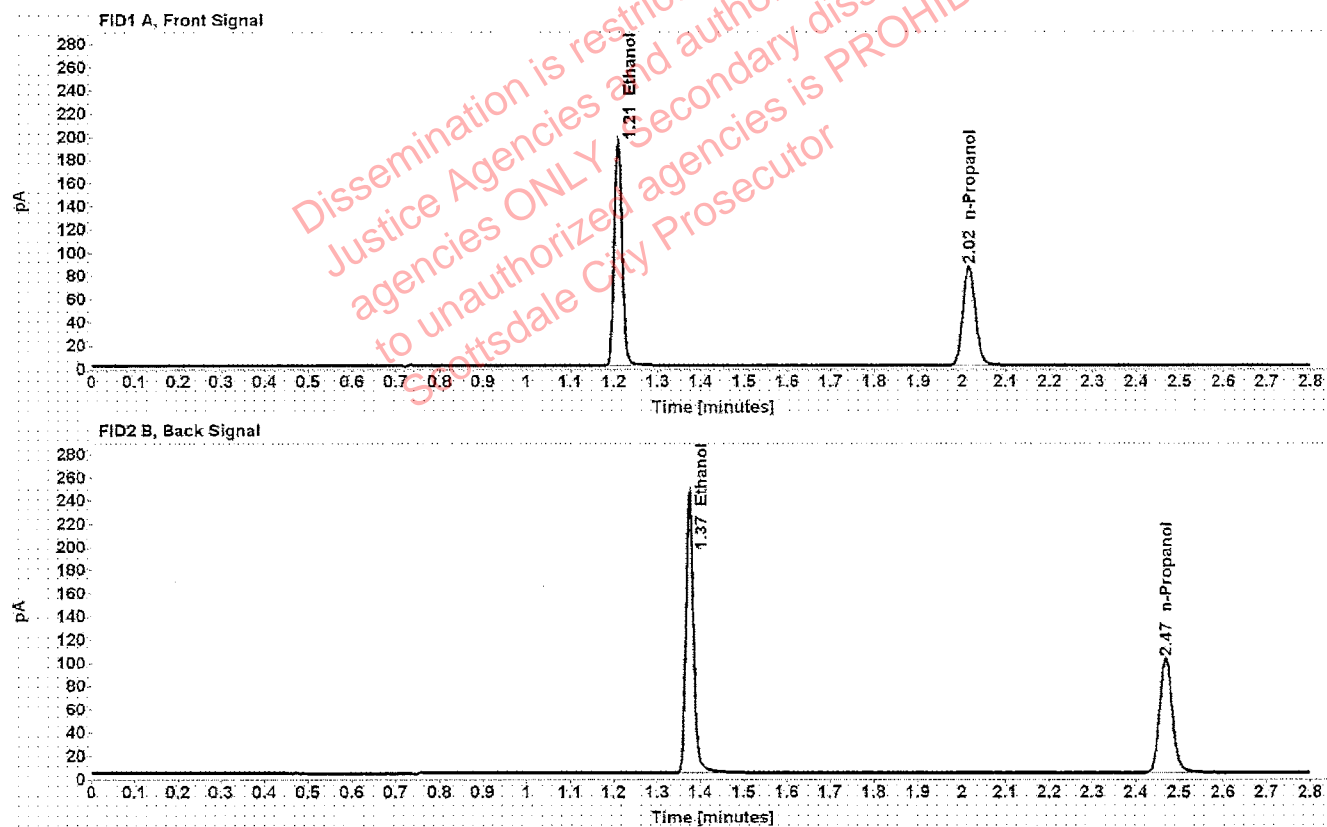


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4054	1.209	249.139
n-Propanol	-----	2.016	170.662

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

Compound	Time (min)	Peak Area
Ethanol	1.375	306.620
n-Propanol	2.468	203.157

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 8
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 11:22:16 AM
Data file: C:\Chem32\1\Data\24Mar20\8.D	Analyst: Brooke <i>BB</i>

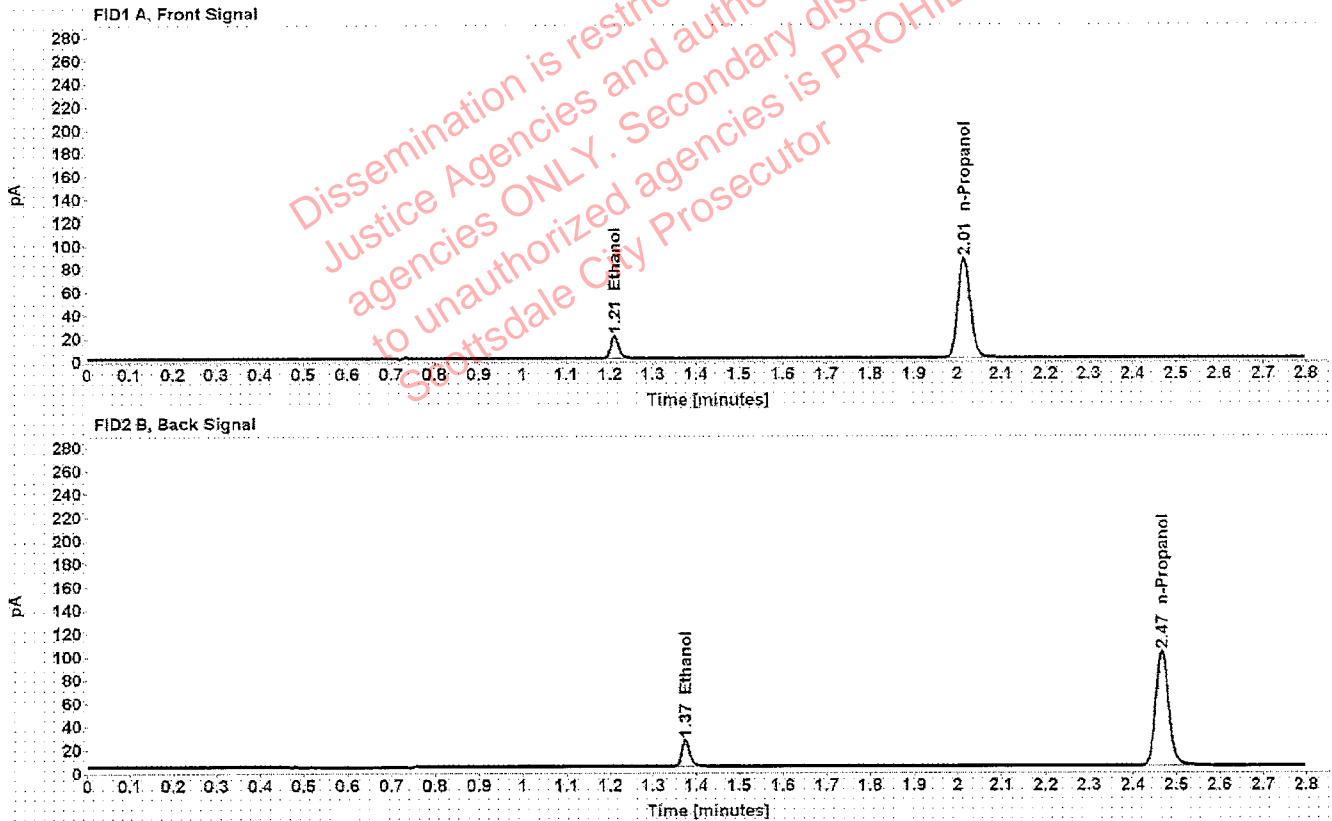


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0409	1.210	24.742
n-Propanol	-----	2.014	171.625

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

Compound	Time (min)	Peak Area
Ethanol	1.374	29.669
n-Propanol	2.467	204.169

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 9
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 11:26:16 AM
Data file: C:\Chem32\1\Data\24Mar20\9.D	Analyst: Brooke <i>RB</i>

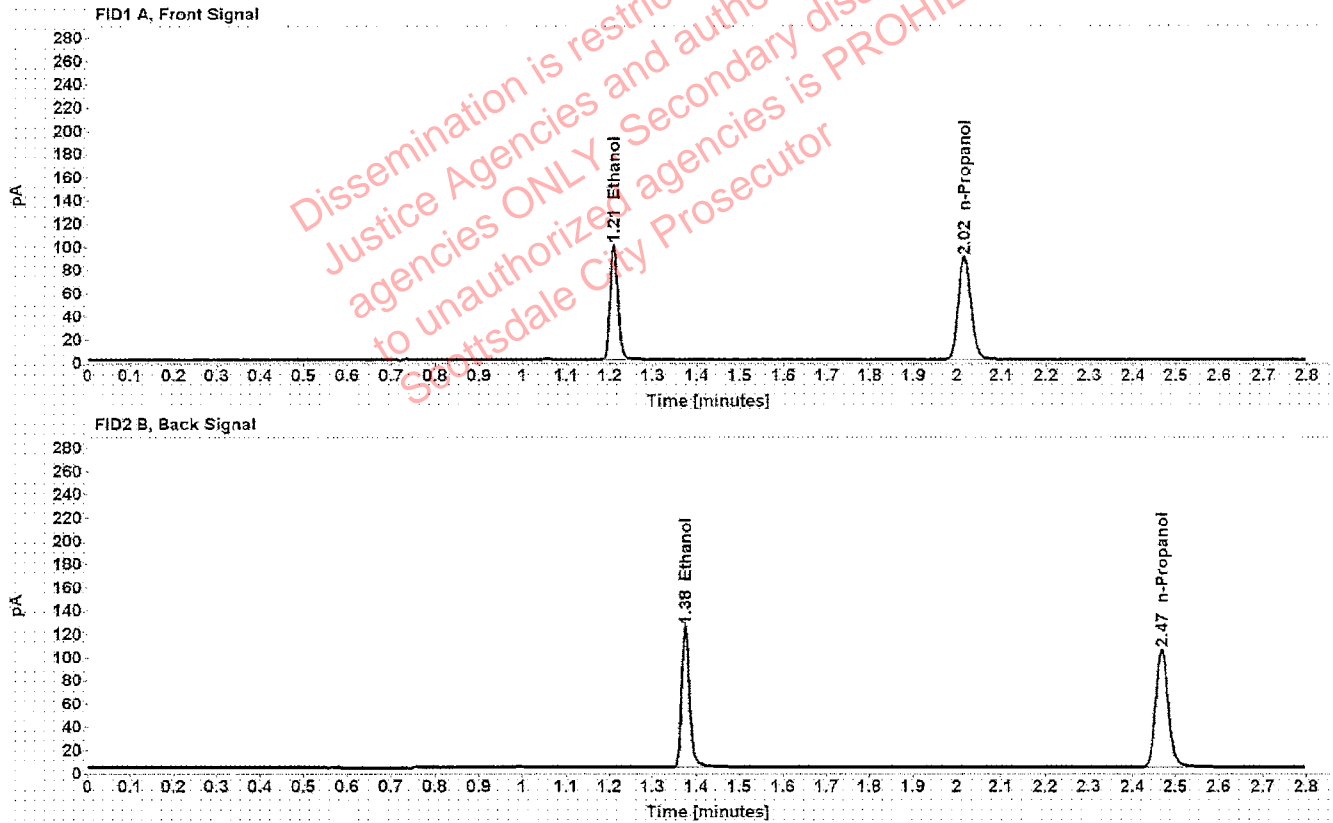


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2000	1.210	126.845
n-Propanol	-----	2.016	176.566

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

Compound	Time (min)	Peak Area
Ethanol	1.375	155.370
n-Propanol	2.468	210.491

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 03102016-A/1	Vial: 20
Description: 0.080	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 12:10:46 PM
Data file: C:\Chem32\1\Data\24Mar20\20.D	Analyst: Brooke <i>BR</i>

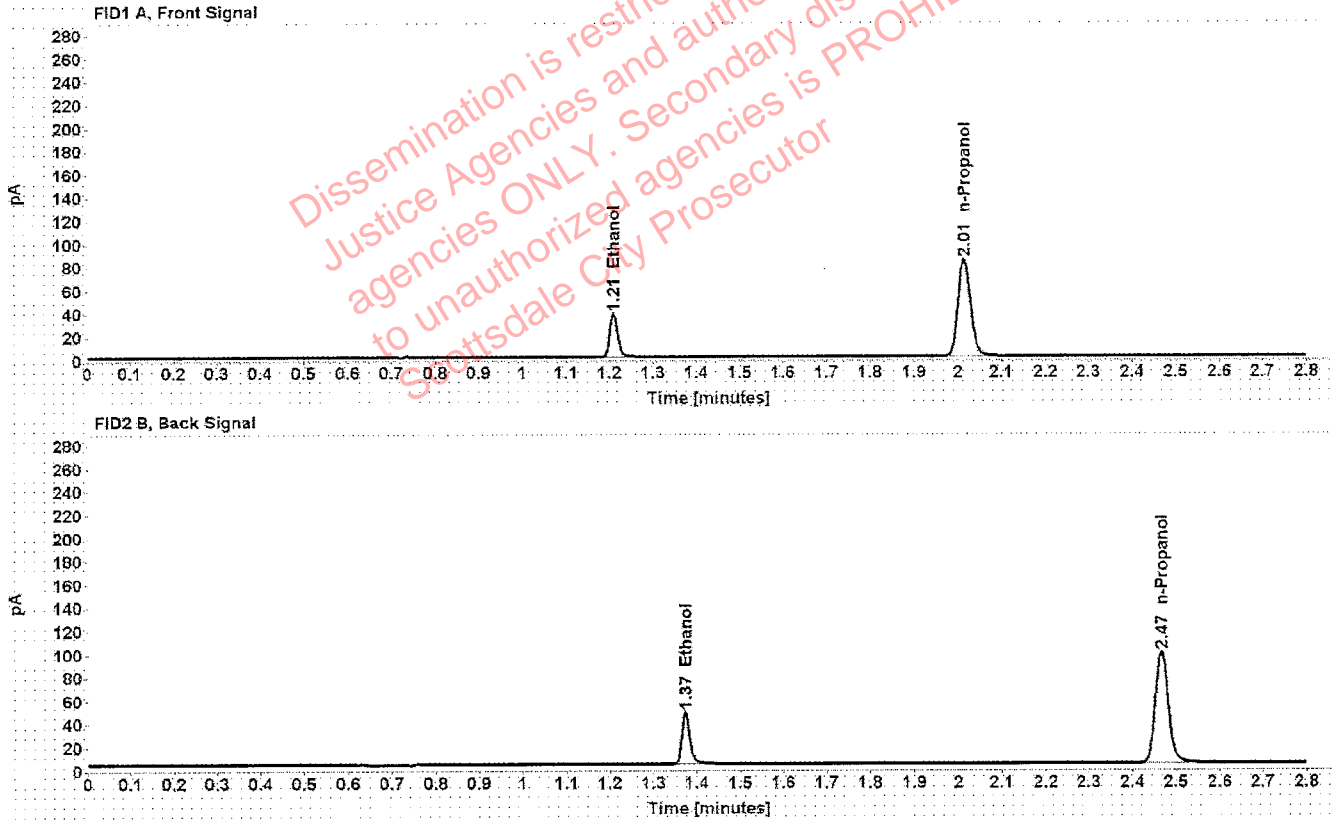


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0803	1.209	47.972
n-Propanol	-----	2.015	167.549

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

Compound	Time (min)	Peak Area
Ethanol	1.374	57.872
n-Propanol	2.467	198.961

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-C	Vial: 31
Description: 0.150	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 12:55:16 PM
Data file: C:\Chem32\1\Data\24Mar20\31.D	Analyst: Brooke <i>RS</i>

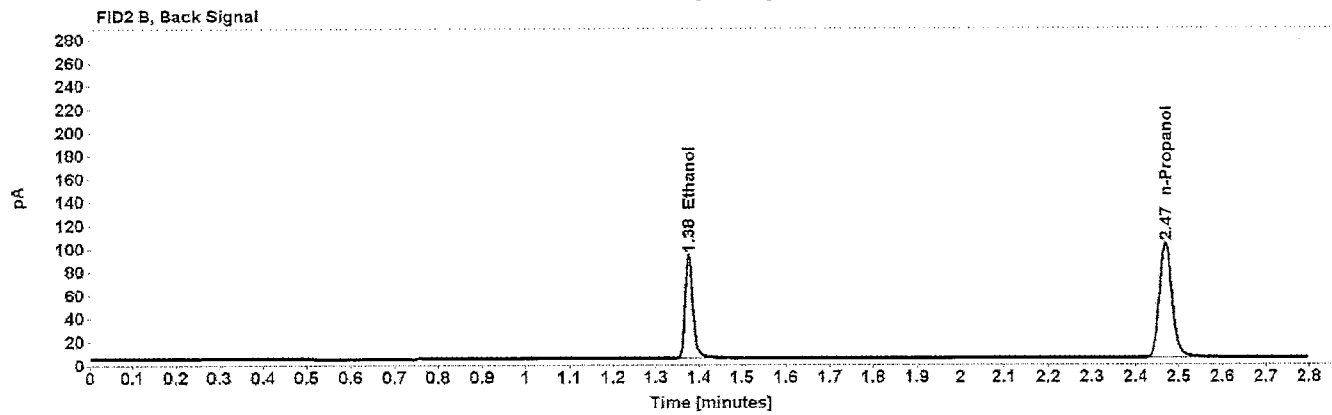
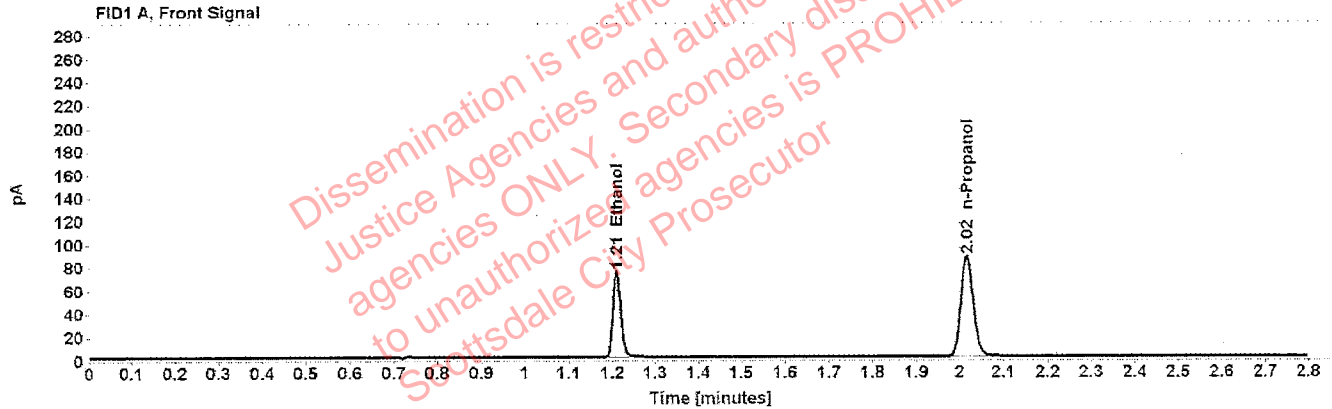


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1524	1.210	94.137
n-Propanol	-----	2.016	172.221

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

Compound	Time (min)	Peak Area
Ethanol	1.376	115.246
n-Propanol	2.469	204.881

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 11092018-A	Vial: 40
Description: 0.400	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 1:31:31 PM
Data file: C:\Chem32\1\Data\24Mar20\40.D	Analyst: Brooke 109

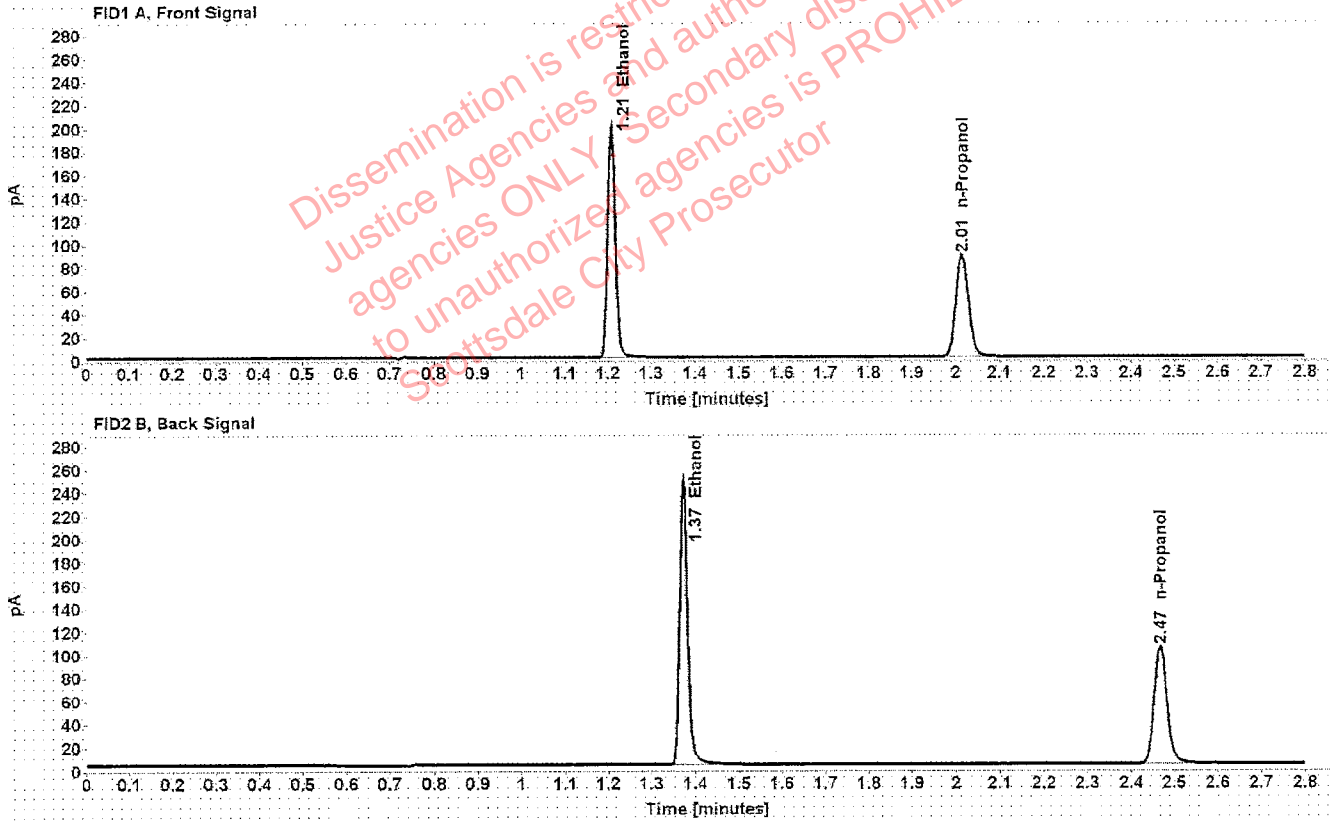


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.4011	1.208	254.438
n-Propanol	-----	2.015	176.179

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

Compound	Time (min)	Peak Area
Ethanol	1.373	313.088
n-Propanol	2.467	210.581

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 41
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 1:35:32 PM
Data file: C:\Chem32\1\Data\24Mar20\41.D	Analyst: Brooke <i>RB</i>

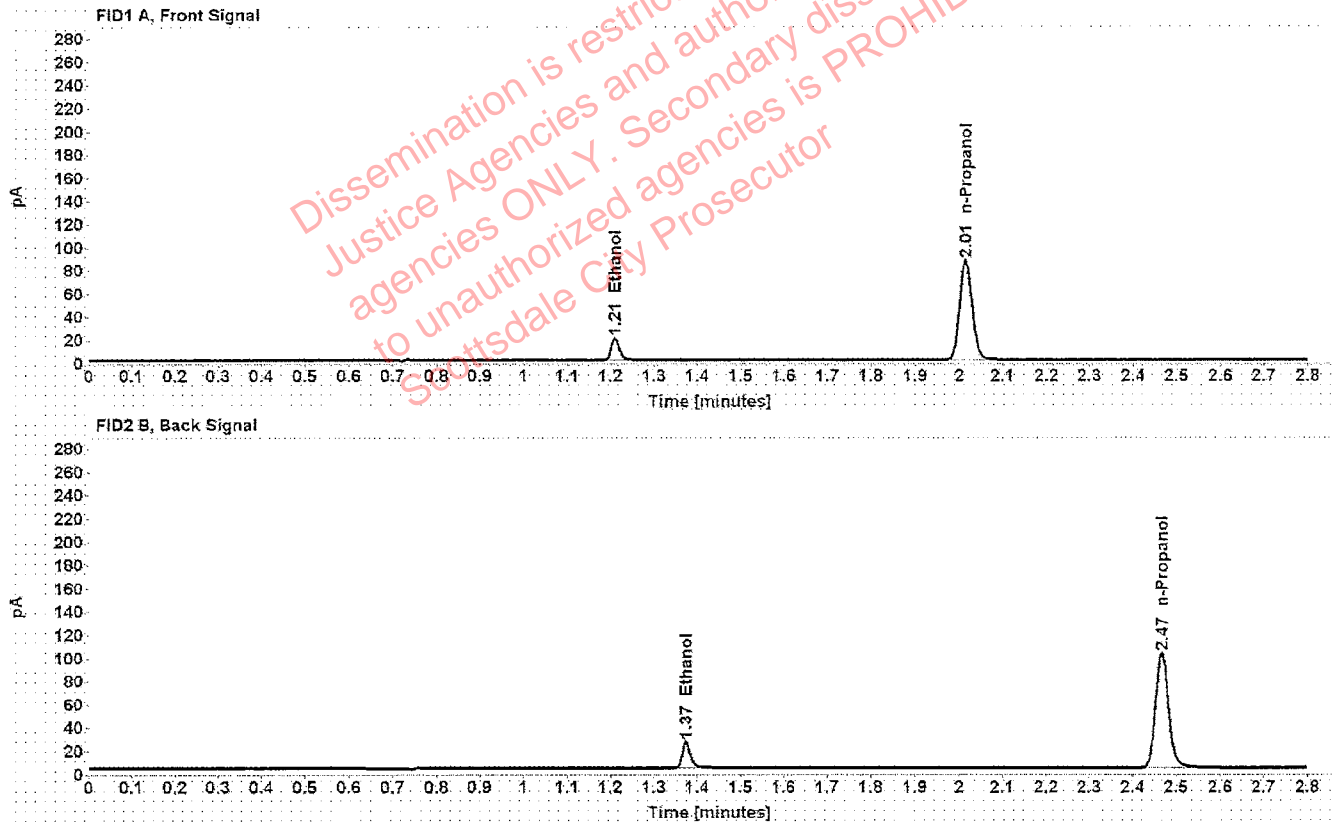


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0406	1.210	24.758
n-Propanol	-----	2.015	172.993

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

Compound	Time (min)	Peak Area
Ethanol	1.374	29.955
n-Propanol	2.467	206.206

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 407041529/13	Vial: 42
Description: 0.198	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 1:39:32 PM
Data file: C:\Chem32\1\Data\24Mar20\42.D	Analyst: Brooke PA

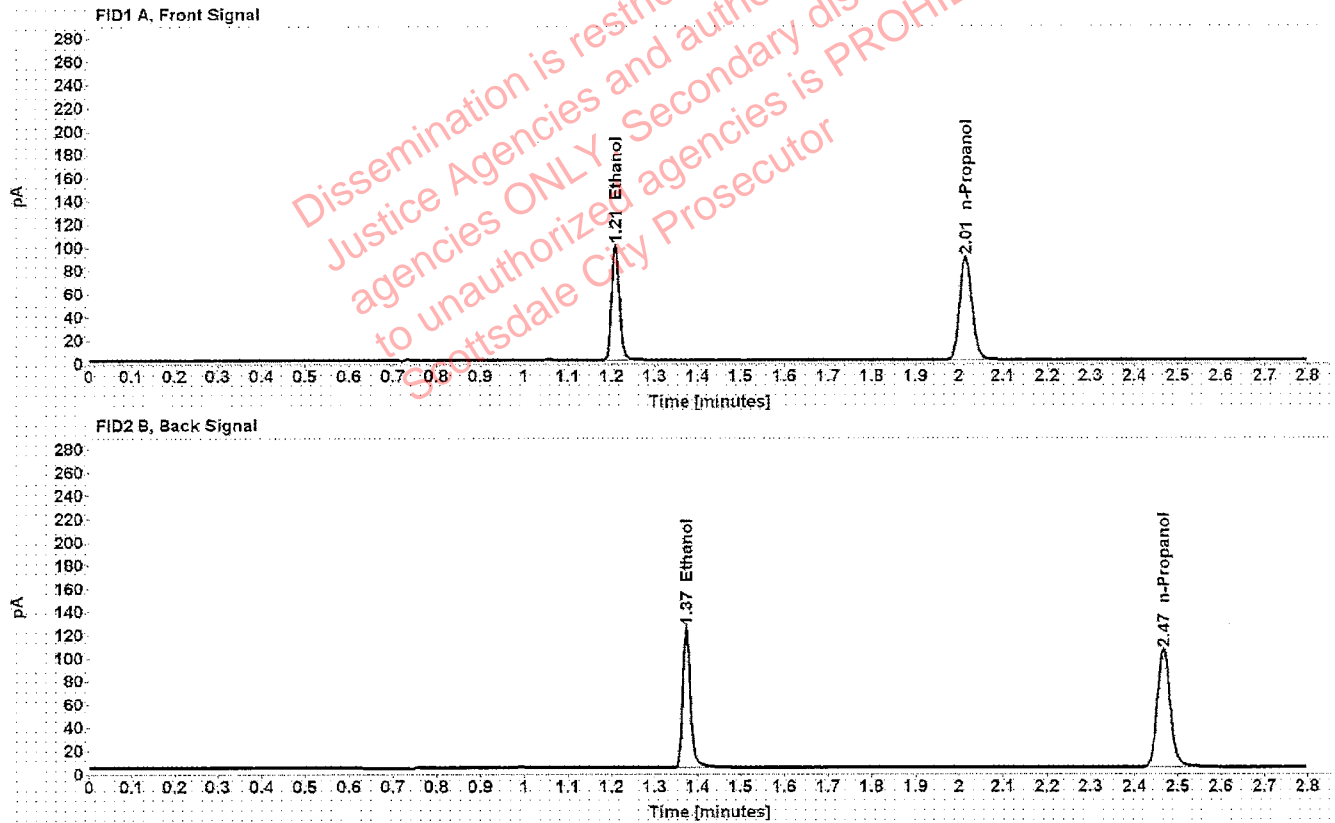


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1986	1.209	126.508
n-Propanol	-----	2.015	177.317

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

Compound	Time (min)	Peak Area
Ethanol	1.373	155.214
n-Propanol	2.467	211.865

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040919WB	Vial: 43
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 1:43:47 PM
Data file: C:\Chem32\1\Data\24Mar20\43.D	Analyst: Brooke RB

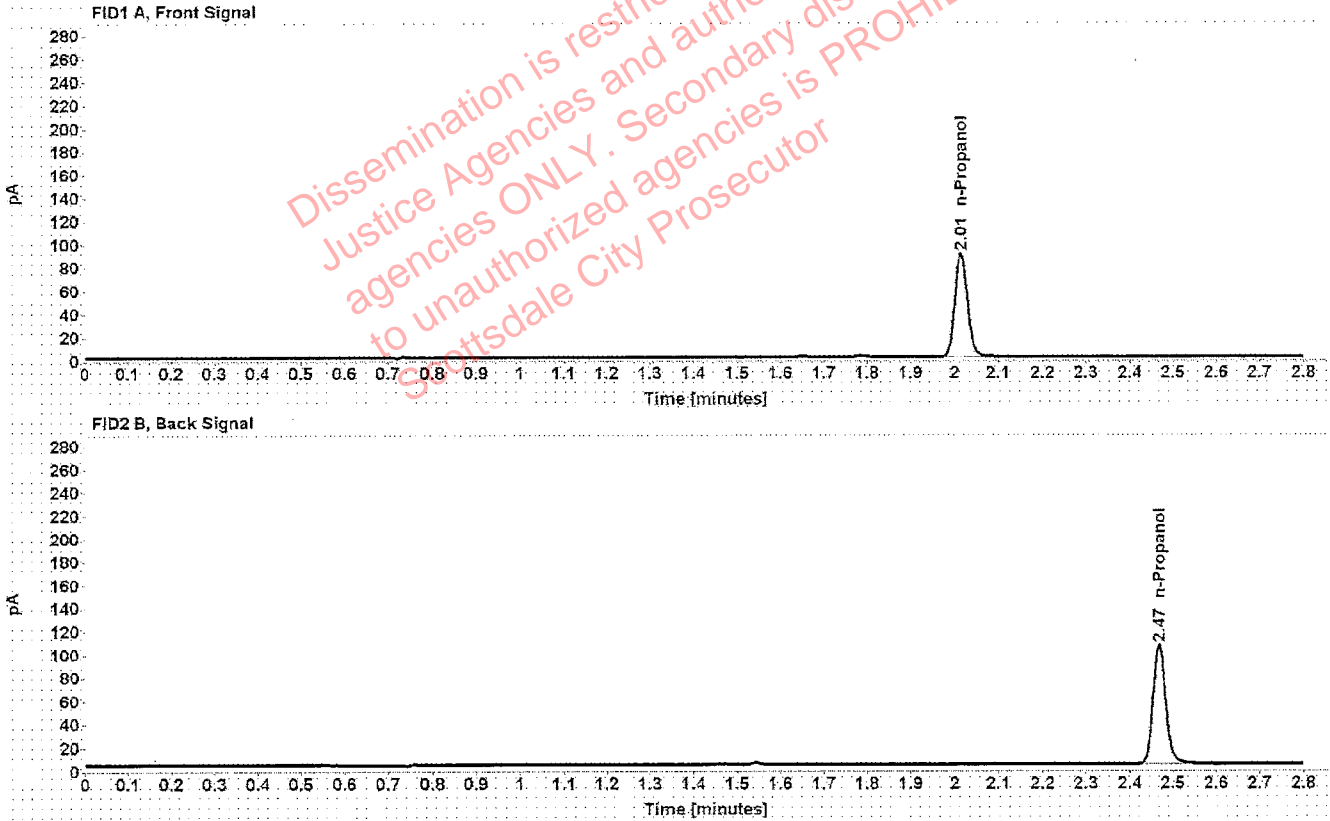


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.015	179.026

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

Compound	Time (min)	Peak Area
n-Propanol	2.467	213.105

Sequence Summary

Sequence name: 24Mar20 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	121219	Negative	Control		ethanol quant.M
6	070819	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	1262608		Sample		ethanol quant.M
11	1262608		Sample		ethanol quant.M
12	31001AF		Sample		ethanol quant.M
13	31001AF		Sample		ethanol quant.M
14	1310746		Sample		ethanol quant.M
15	1310746		Sample		ethanol quant.M
16	1313542		Sample		ethanol quant.M
17	1313542		Sample		ethanol quant.M
18	1313974		Sample		ethanol quant.M
19	1313974		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1310697		Sample		ethanol quant.M
22	1310697		Sample		ethanol quant.M
23	1314123		Sample		ethanol quant.M
24	1314123		Sample		ethanol quant.M
25	1304112		Sample		ethanol quant.M
26	1304112		Sample		ethanol quant.M
27	1310703		Sample		ethanol quant.M
28	1310703		Sample		ethanol quant.M
29	1300746		Sample		ethanol quant.M
30	1300746		Sample		ethanol quant.M
31	14082019-C	0.150	Control		ethanol quant.M
32	1314656		Sample		ethanol quant.M
33	1314656		Sample		ethanol quant.M
34	1312538		Sample		ethanol quant.M
35	1312538		Sample		ethanol quant.M
36	1312367		Sample		ethanol quant.M
37	1312367		Sample		ethanol quant.M
38	1310946		Sample		ethanol quant.M
39	1310946		Sample		ethanol quant.M
40	11092018-A	0.400	Control		ethanol quant.M
41	14082019-B	0.040	Control		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	040919WB	Negative	Control		ethanol quant.M

Dissemination is restricted to Criminal Justice Agencies and authorized agencies to unauthorize agencies. PROHIBITED. Scottsdale City Prosecutor

Scottsdale Police Department Crime Laboratory Summary of Cases



SEQUENCE NAME: 24Mar20

ANALYST: Brooke

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference (g/dL)*
10 11	0.0889	0.0891	0.08900	0.11	0.00010
12 13	0.0942	0.0951	0.09465	0.48	0.00045
14 15	0.0817	0.0820	0.08185	0.18	0.00015
16 17	0.0866	0.0869	0.08675	0.17	0.00015
18 19	0.0971	0.0955	0.09630	0.83	0.00080
21 22	0.2991	0.2967	0.29790	0.40	0.00120
23 24	0.0930	0.0916	0.09230	0.76	0.00070
25 26	0.2074	0.2079	0.20765	0.12	0.00025
27 28	0.2239	0.2216	0.22275	0.52	0.00115
29 30	0.1064	0.1056	0.10600	0.38	0.00040
32 33	0.2104	0.2102	0.21030	0.05	0.00010
34 35	0.2119	0.2113	0.21160	0.14	0.00030
36 37	0.1817	0.1804	0.18105	0.36	0.00065
38 39	0.2072	0.2083	0.20775	0.26	0.00055

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1262608	Vial: 10
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 11:30:16 AM
Data file: C:\Chem32\1\Data\24Mar20\10.D	Analyst: Brooke

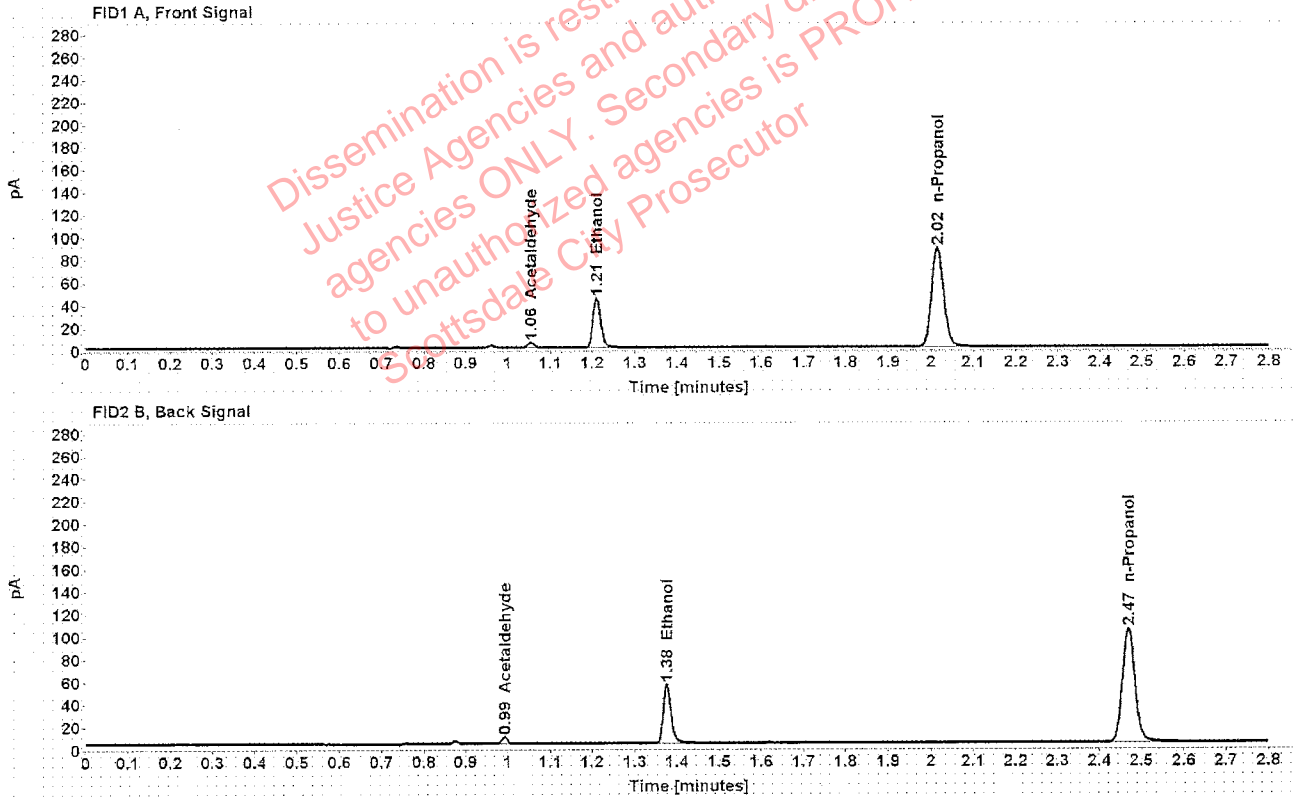


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.439
>Ethanol	0.0889	1.210	55.723
n-Propanol	-----	2.016	175.597

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.792
Ethanol	1.376	67.149
n-Propanol	2.468	209.362

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1262608	Vial: 11
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 11:34:16 AM
Data file: C:\Chem32\1\Data\24Mar20\11.D	Analyst: Brooke

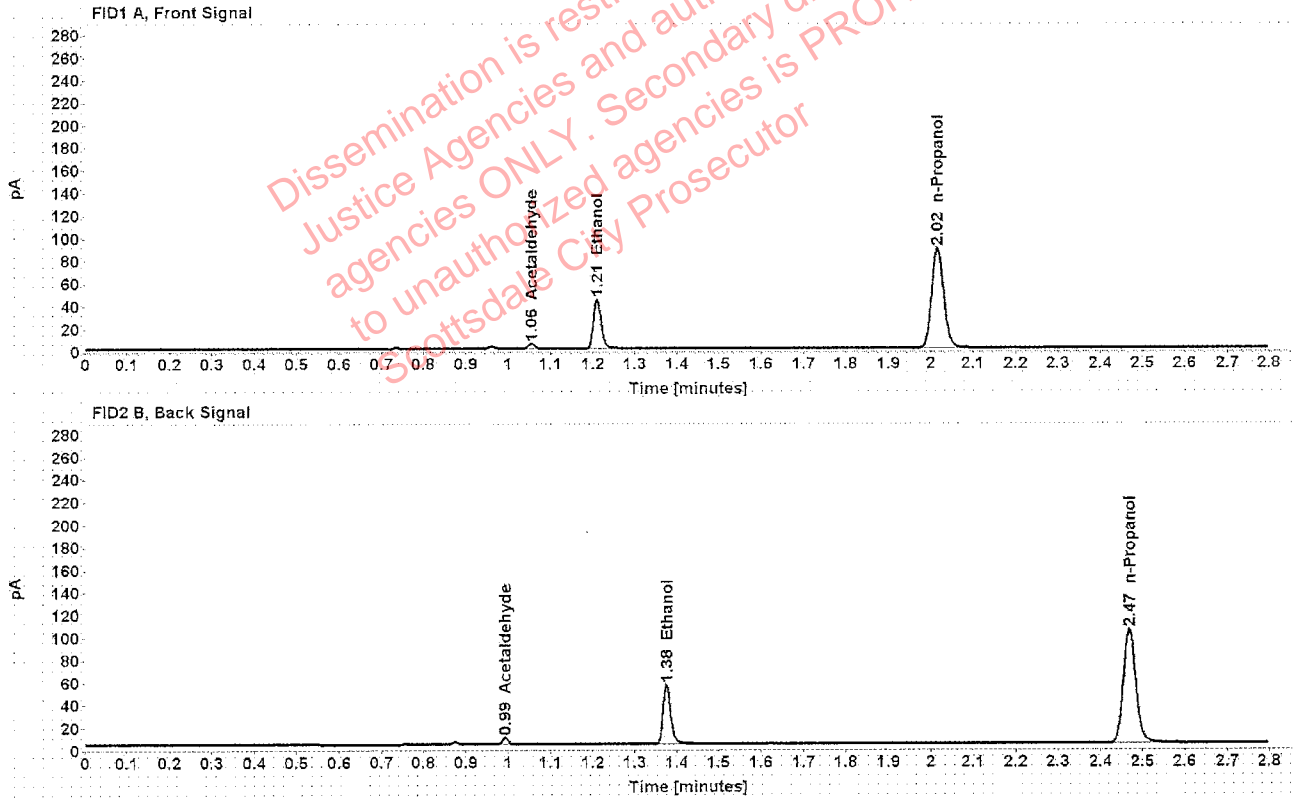


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.055	4.425
>Ethanol	0.0891	1.210	56.025
n-Propanol	-----	2.016	176.132

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	5.768
Ethanol	1.376	67.438
n-Propanol	2.469	210.053

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31001AF	Vial:	12
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:38:16 AM
Data file:	C:\Chem32\1\Data\24Mar20\12.D	Analyst:	Brooke

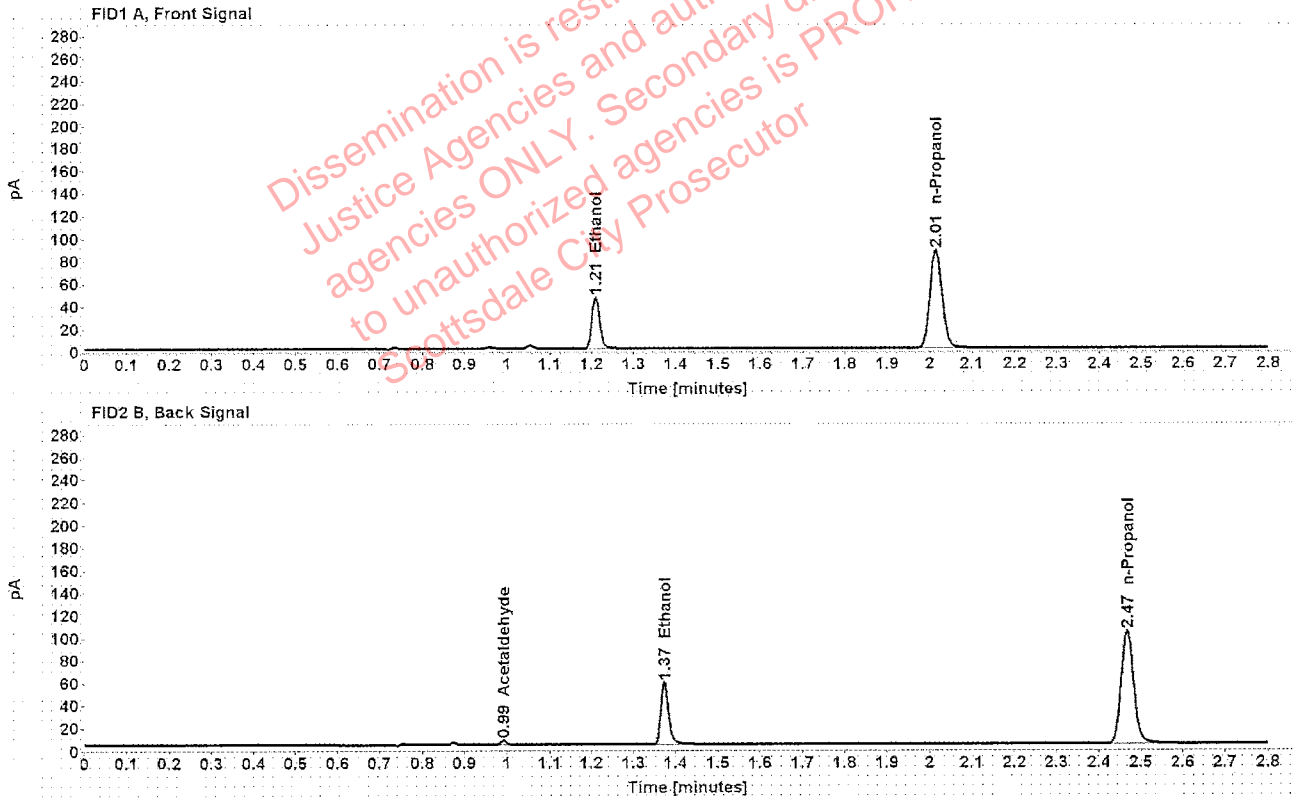


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0942	1.209	58.642
n-Propanol	-----	2.015	174.345

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.992	3.785
Ethanol	1.374	70.715
n-Propanol	2.467	207.268

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	31001AF	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:42:31 AM
Data file:	C:\Chem32\1\Data\24Mar20\13.D	Analyst:	Brooke

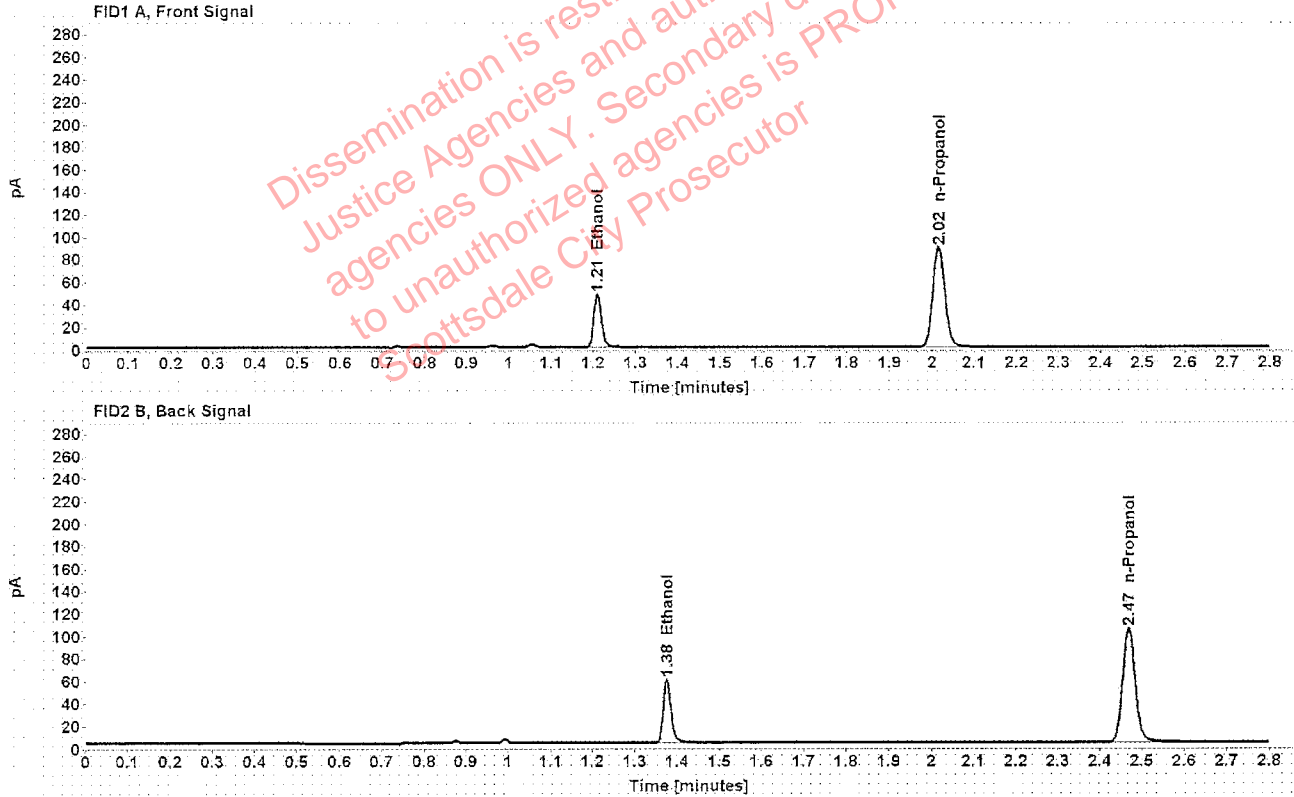


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0951	1.210	60.001
n-Propanol	-----	2.016	176.643

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

Compound	Time (min)	Peak Area
Ethanol	1.376	72.057
n-Propanol	2.469	210.129

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310746	Vial:	14
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:46:31 AM
Data file:	C:\Chem32\1\Data\24Mar20\14.D	Analyst:	Brooke

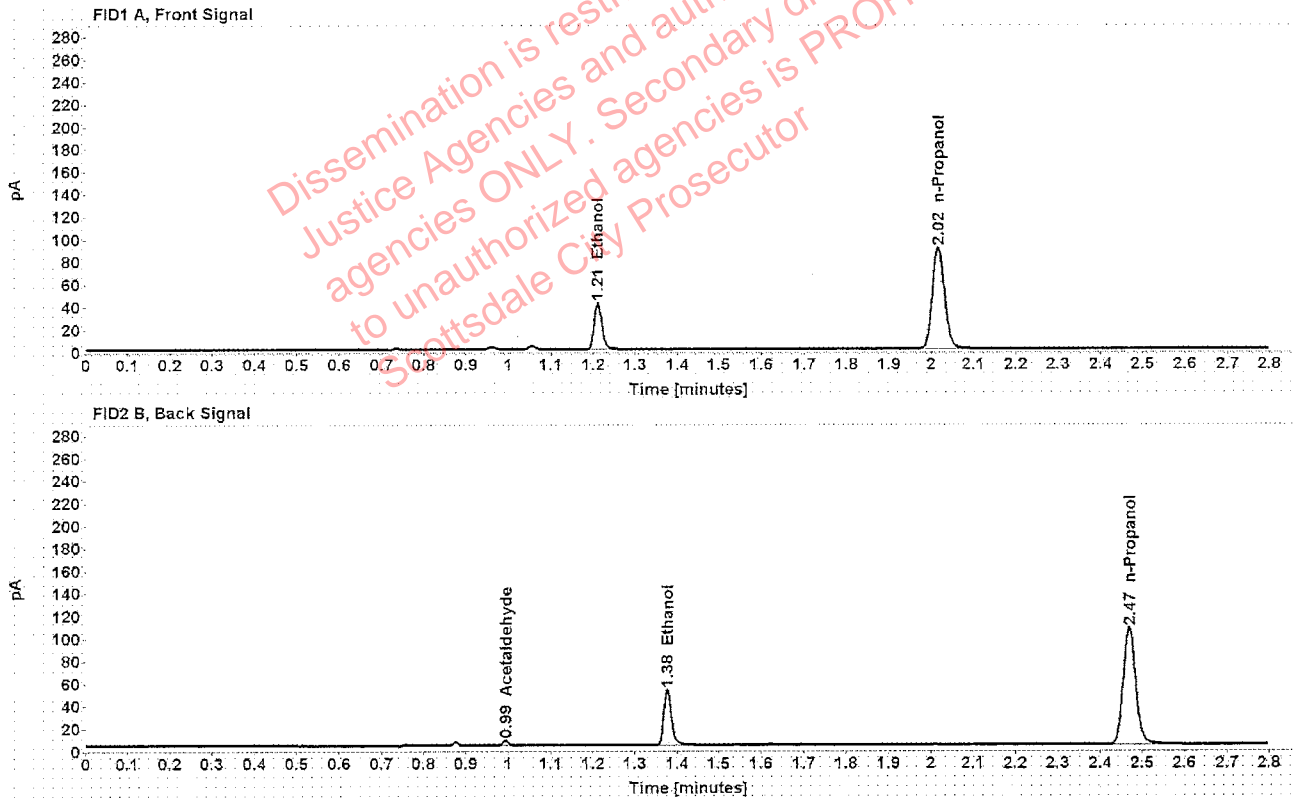


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0817	1.211	52.412
n-Propanol	-----	2.016	179.891

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.993	4.111
Ethanol	1.376	63.069
n-Propanol	2.469	213.986

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310746	Vial:	15
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:50:31 AM
Data file:	C:\Chem32\1\Data\24Mar20\15.D	Analyst:	Brooke

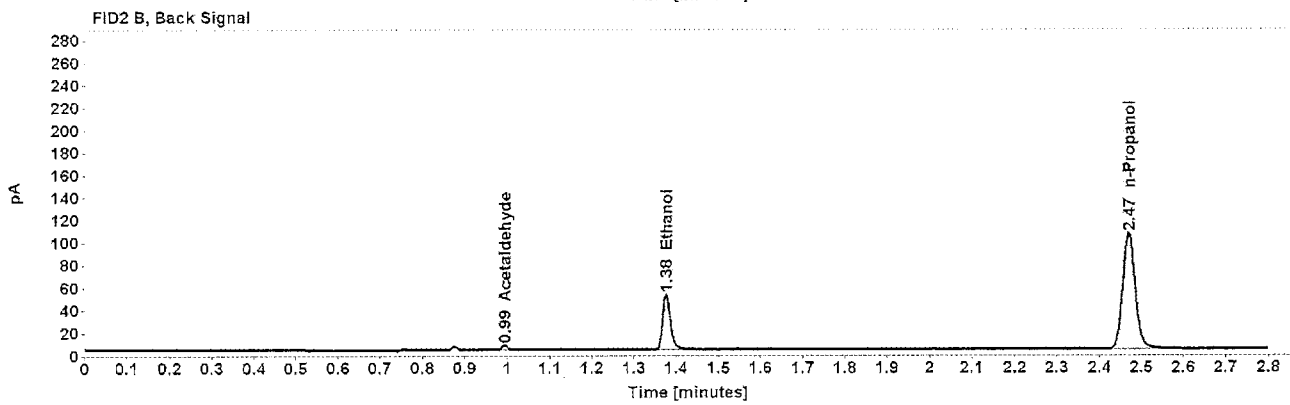
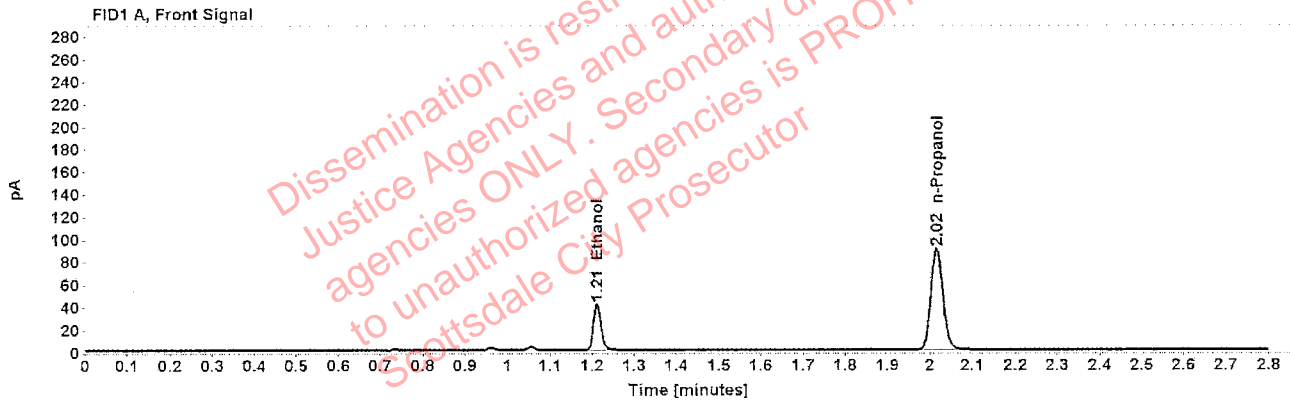


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanoi	0.0820	1.211	52.243
n-Propanol	-----	2.016	178.583

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	3.941
Ethanol	1.377	62.966
n-Propanol	2.470	212.575

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313542	Vial:	16
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:54:31 AM
Data file:	C:\Chem32\1\Data\24Mar20\16.D	Analyst:	Brooke

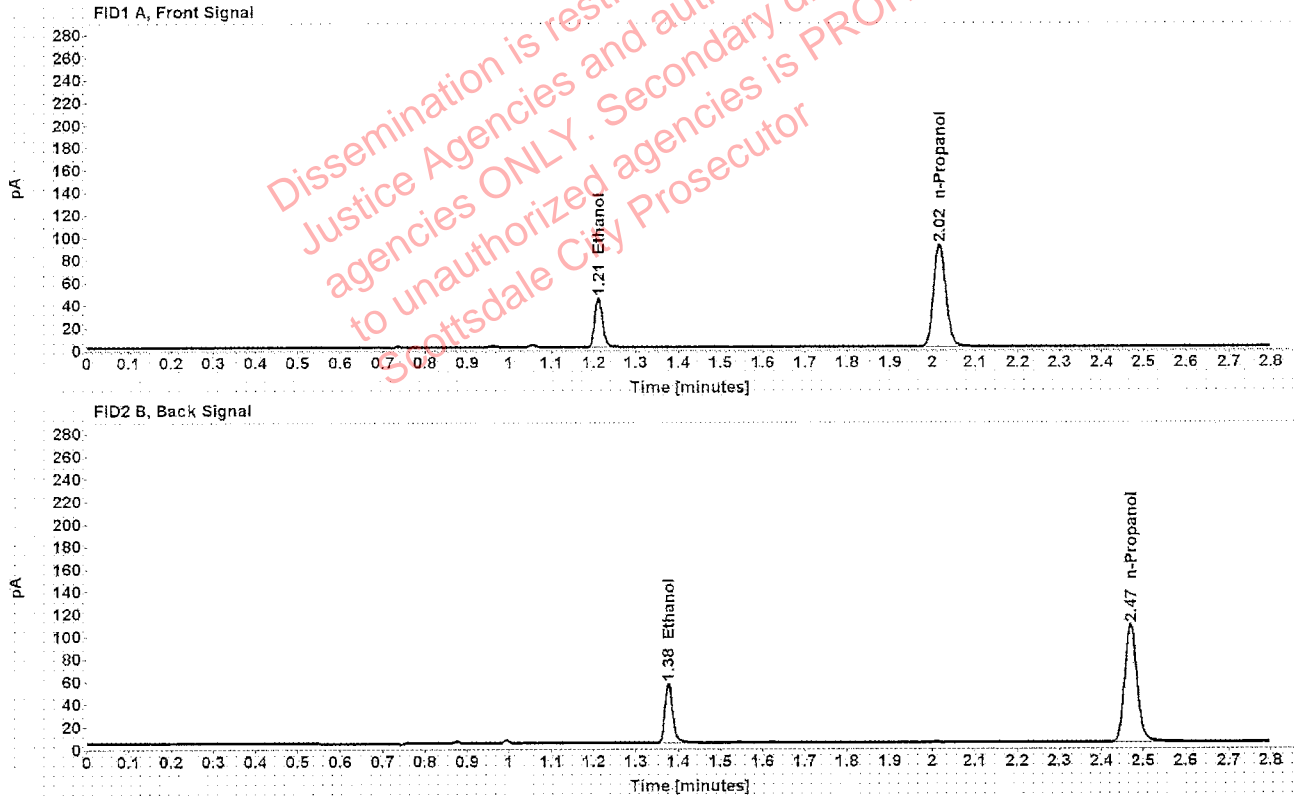


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0866	1.211	56.220
n-Propanol	-----	2.016	181.824

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

Compound	Time (min)	Peak Area
Ethanol	1.377	67.866
n-Propanol	2.470	216.998

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313542	Vial:	17
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 11:58:31 AM
Data file:	C:\Chem32\1\Data\24Mar20\17.D	Analyst:	Brooke

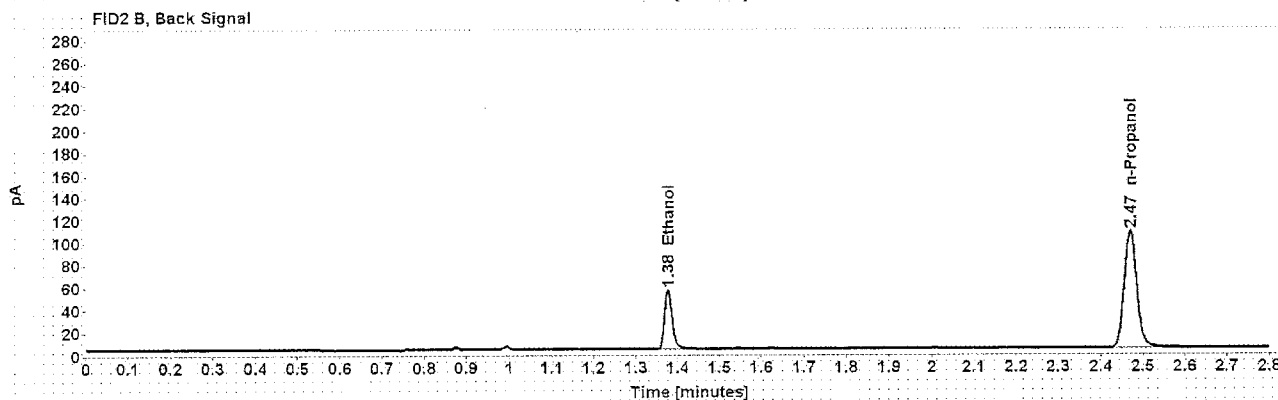
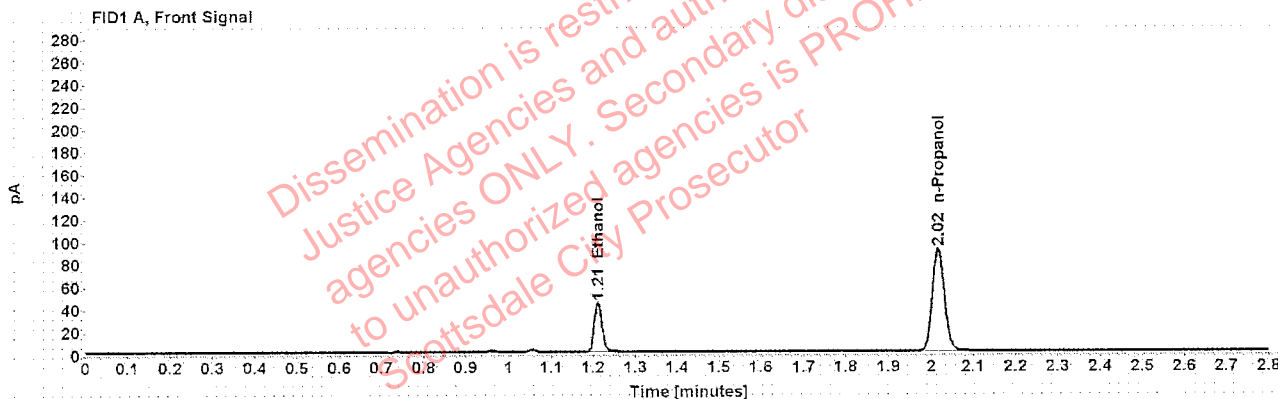


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0869	1.211	56.039
n-Propanol	-----	2.016	180.738

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

Compound	Time (min)	Peak Area
Ethanol	1.377	67.509
n-Propanol	2.470	215.944

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313974	Vial:	18
Description:	██████████	LIMS ID:	██████████
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:02:31 PM
Data file:	C:\Chem32\1\Data\24Mar20\18.D	Analyst:	Brooke

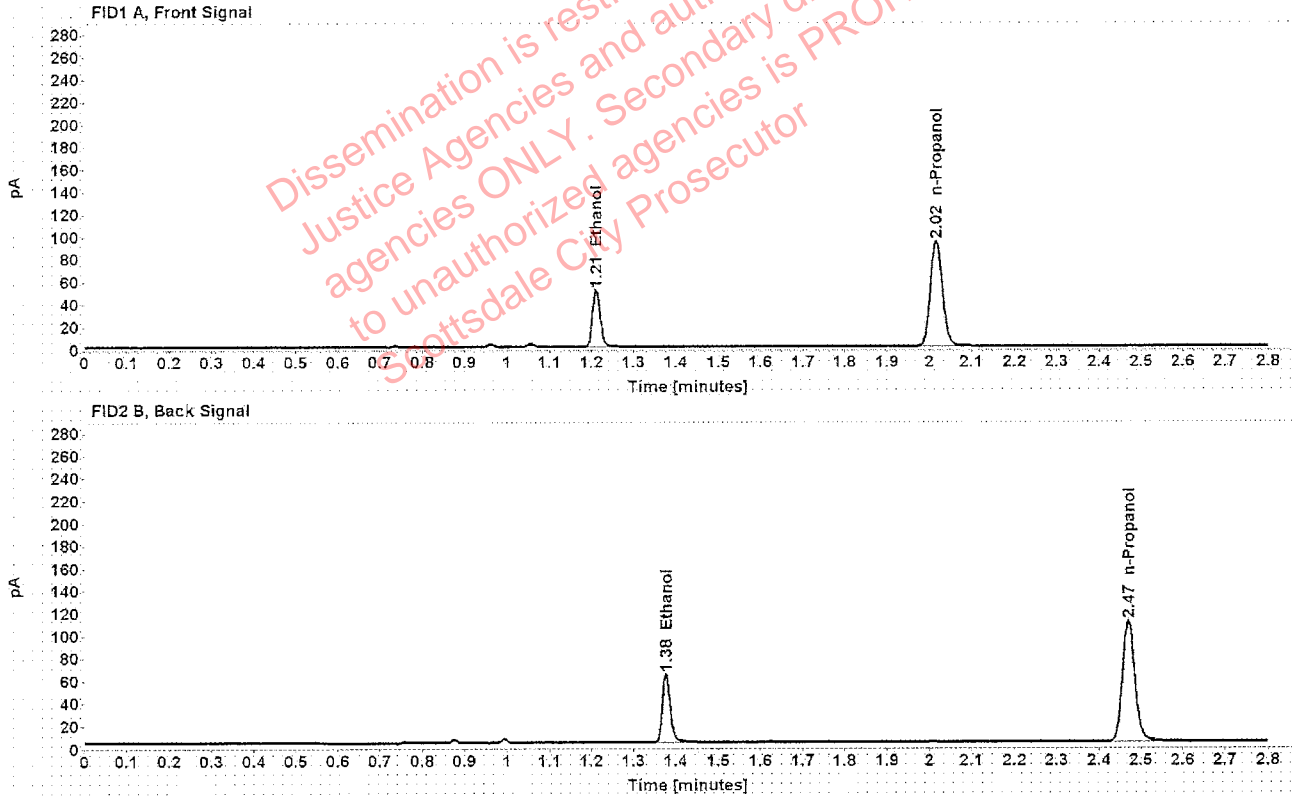


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0971	1.211	64.639
n-Propanol	-----	2.017	186.358

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

Compound	Time (min)	Peak Area
Ethanol	1.377	78.068
n-Propanol	2.470	222.925

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1313974	Vial:	19
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:06:46 PM
Data file:	C:\Chem32\1\Data\24Mar20\19.D	Analyst:	Brooke

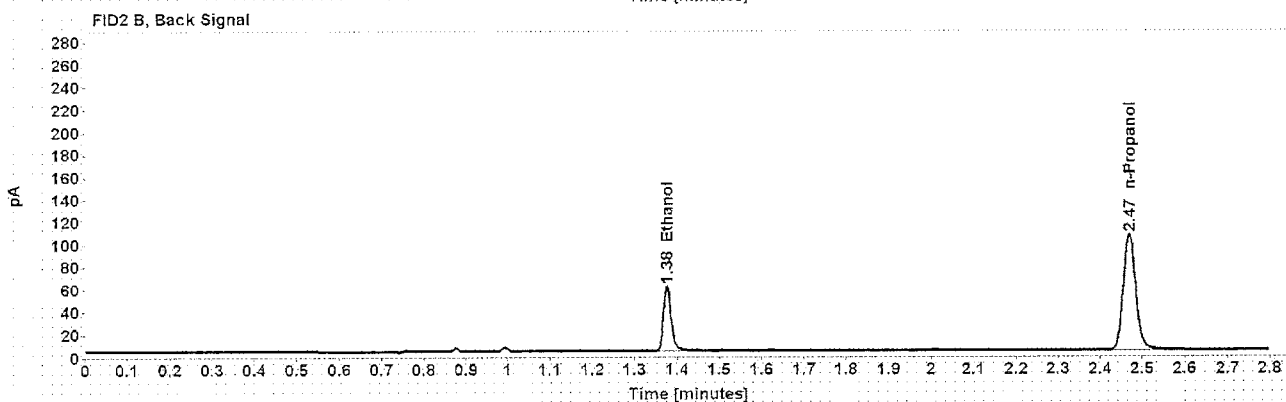
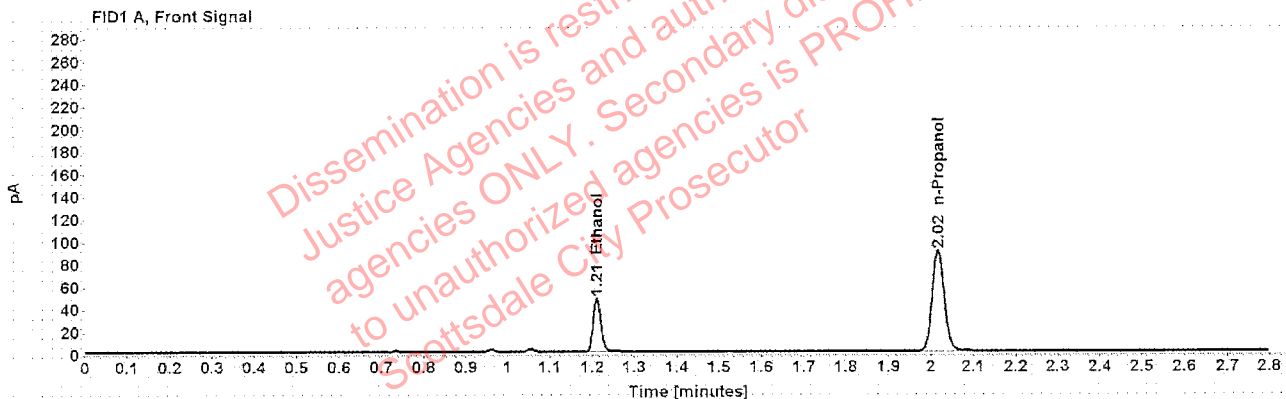


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0955	1.211	61.082
n-Propanol	-----	2.016	178.973

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

Compound	Time (min)	Peak Area
Ethanol	1.376	73.811
n-Propanol	2.469	213.039

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310697	Vial:	21
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:14:46 PM
Data file:	C:\Chem32\1\Data\24Mar20\21.D	Analyst:	Brooke

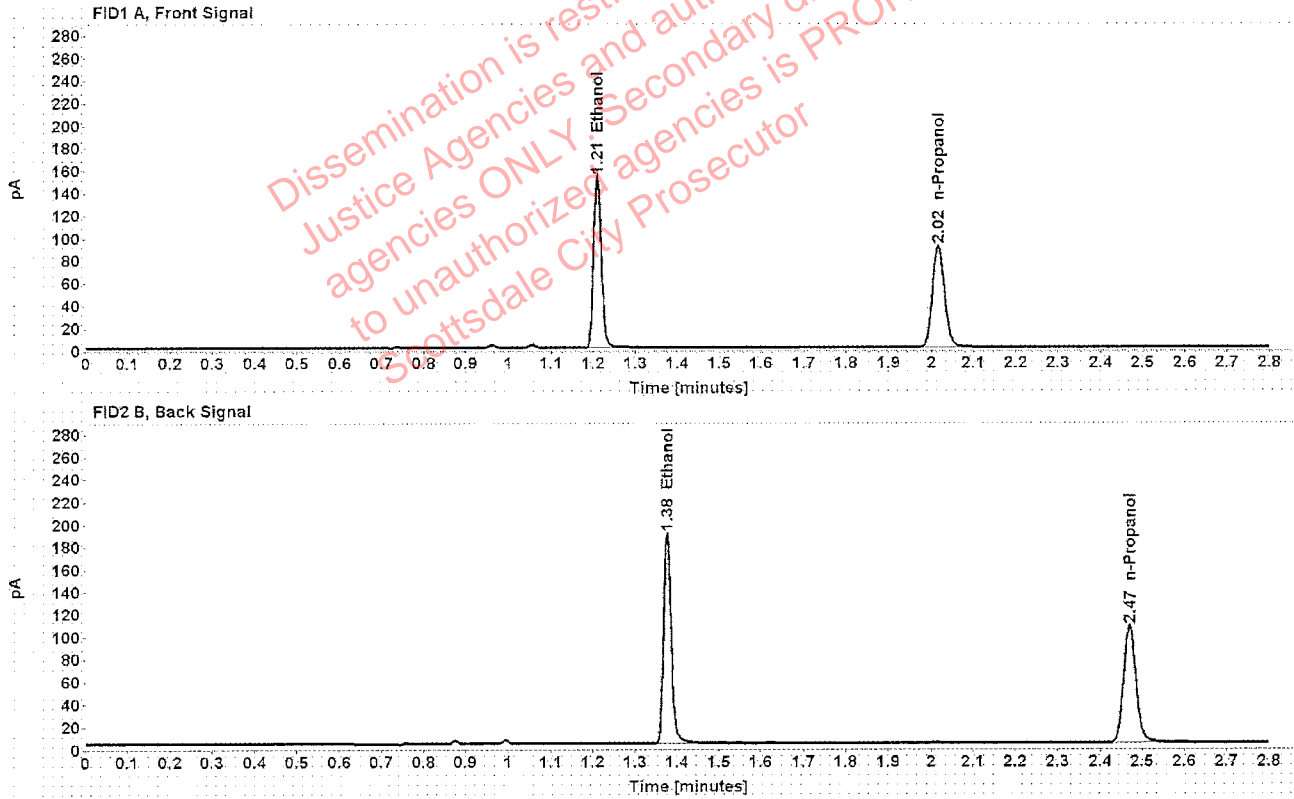


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2991	1.210	193.705
n-Propanol	-----	2.016	180.004

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

Compound	Time (min)	Peak Area
Ethanol	1.376	238.845
n-Propanol	2.470	214.160

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310697	Vial:	22
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:18:47 PM
Data file:	C:\Chem32\1\Data\24Mar20\22.D	Analyst:	Brooke

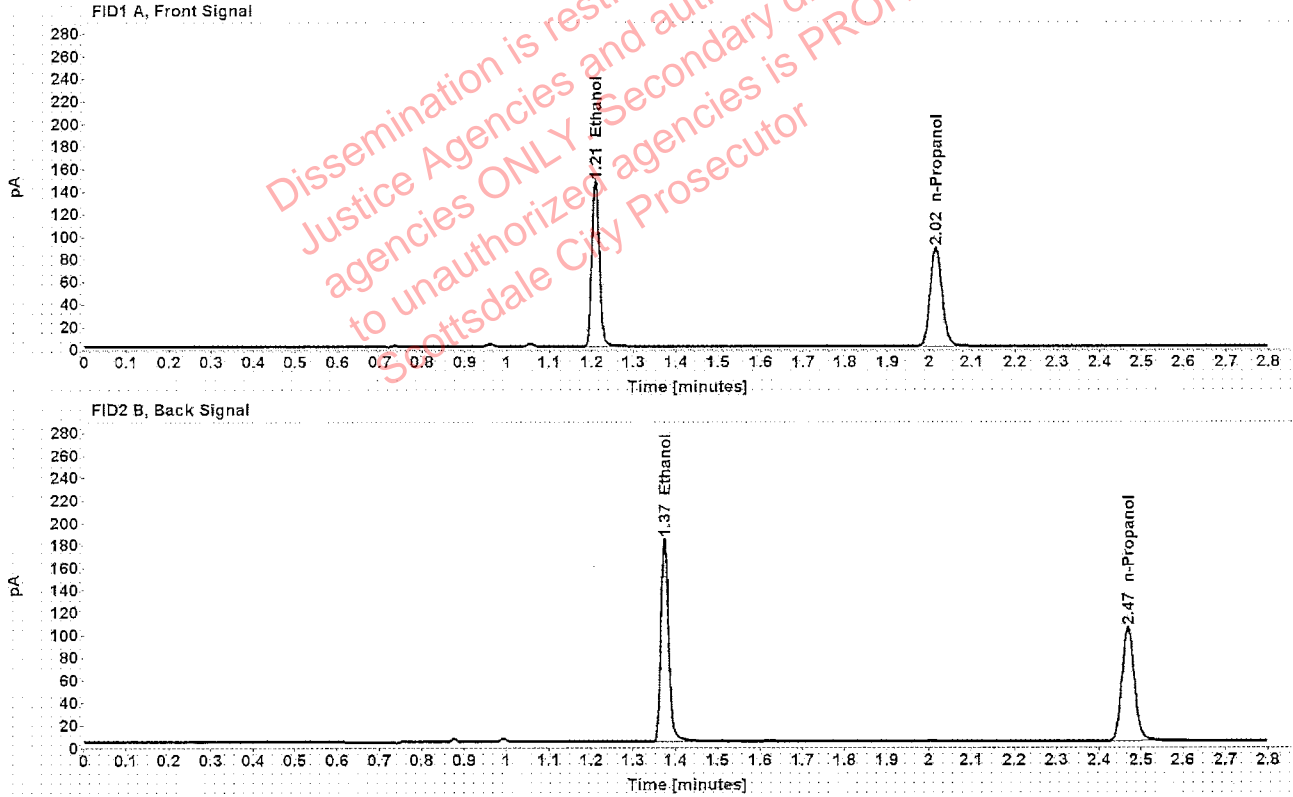


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2967	1.209	186.946
n-Propanol	-----	2.015	175.148

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

Compound	Time (min)	Peak Area
Ethanol	1.374	230.756
n-Propanol	2.468	208.110

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314123	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:22:47 PM
Data file:	C:\Chem32\1\Data\24Mar20\23.D	Analyst:	Brooke

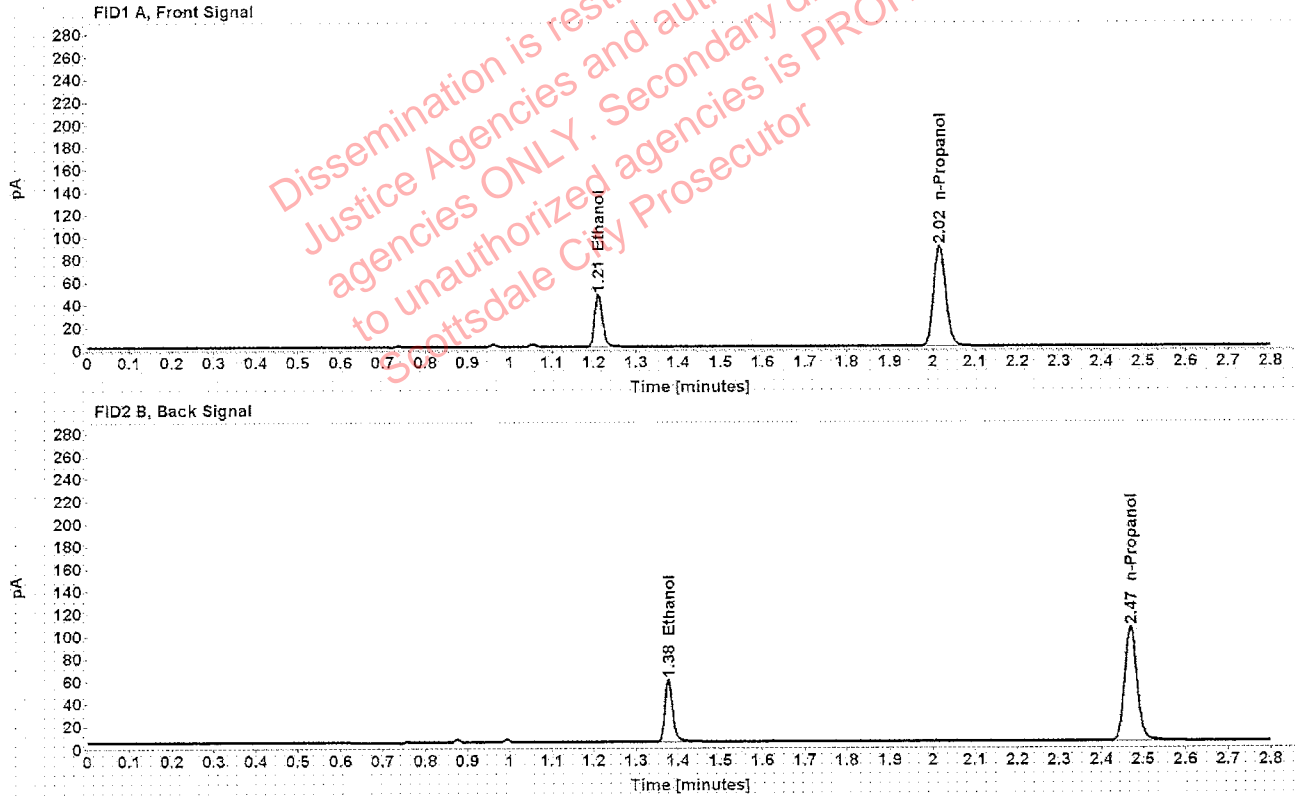


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0930	1.211	58.791
n-Propanol	-----	2.016	176.981

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

Compound	Time (min)	Peak Area
Ethanol	1.376	71.207
n-Propanol	2.469	211.080

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314123	Vial:	24
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:26:46 PM
Data file:	C:\Chem321\1\Data\24Mar20\24.D	Analyst:	Brooke

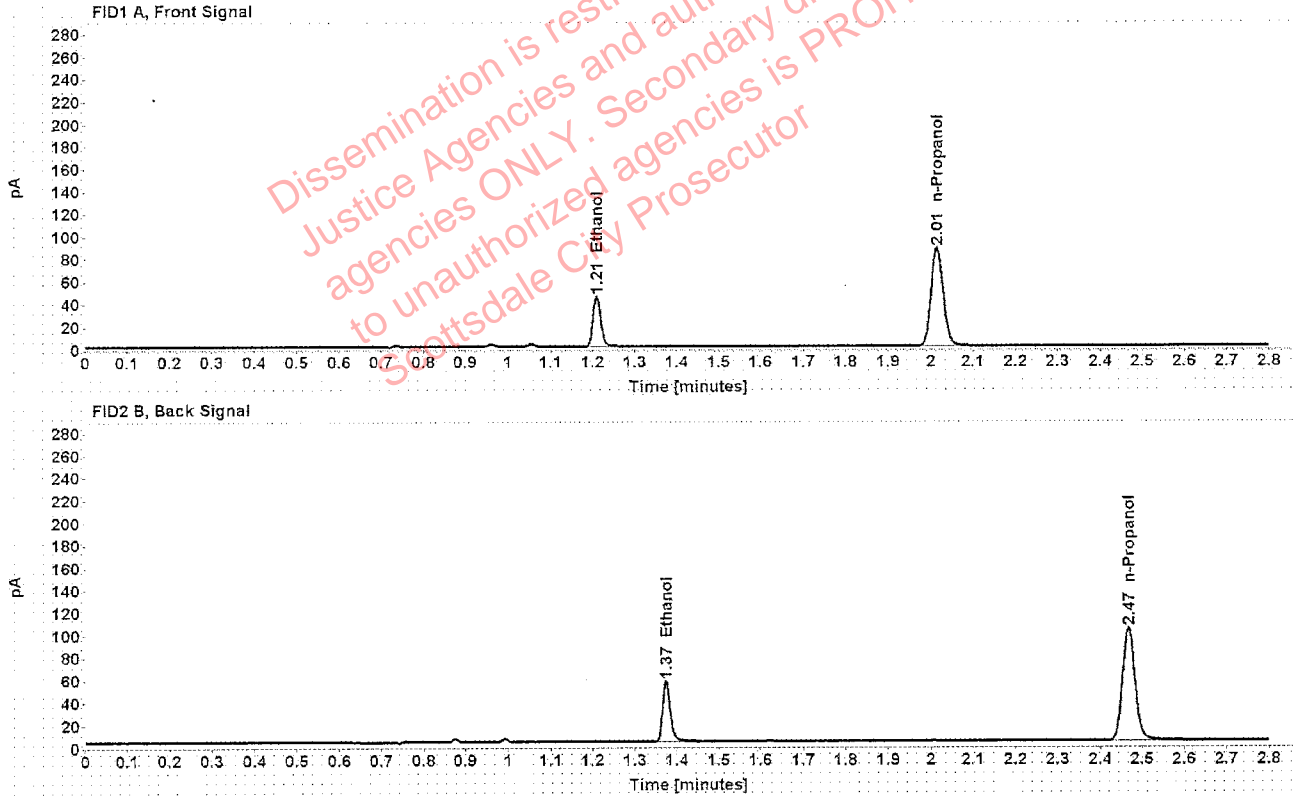


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.0916	1.210	56.900
n-Propanol	-----	2.015	173.923

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

Compound	Time (min)	Peak Area
Ethanol	1.374	68.740
n-Propanol	2.467	207.098

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1304112	Vial:	25
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:31:01 PM
Data file:	C:\Chem32\11\Data\24Mar20\25.D	Analyst:	Brooke

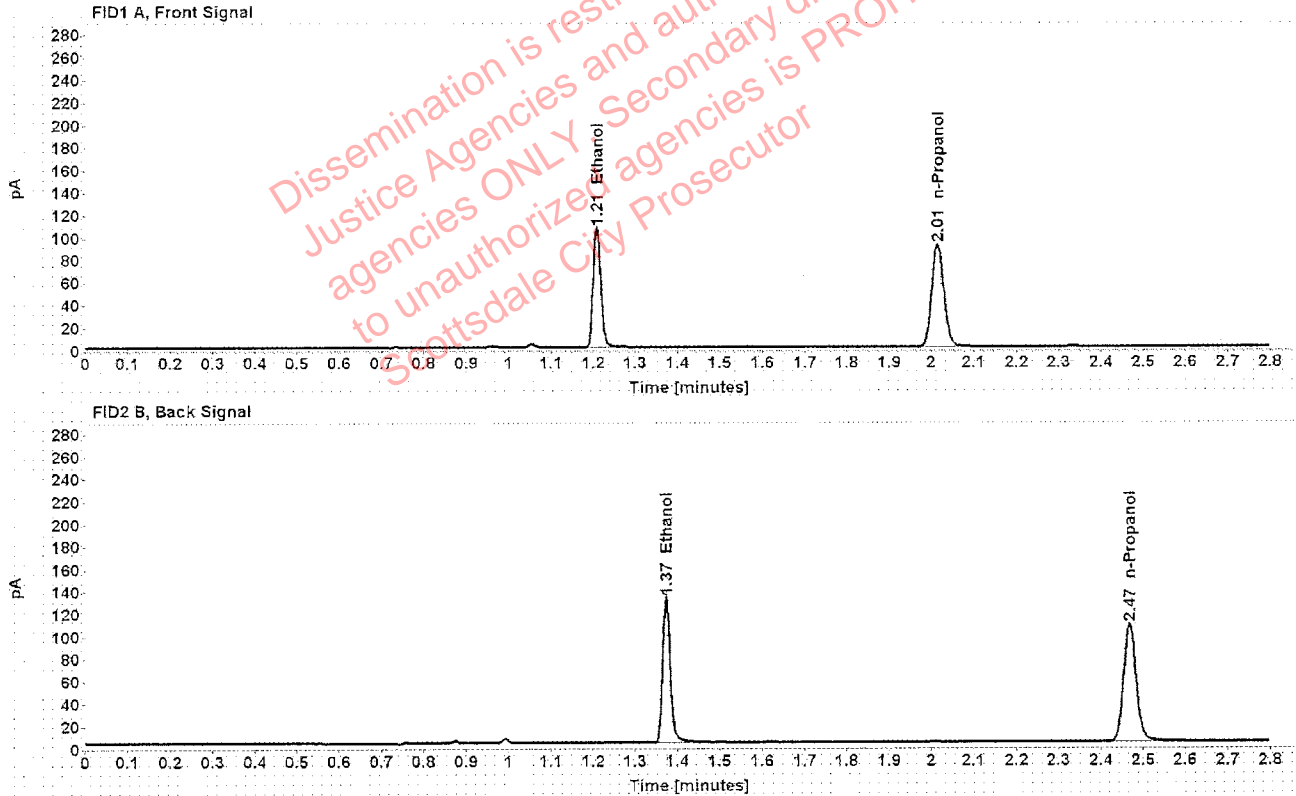


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2074	1.209	135.327
n-Propanol	-----	2.015	181.648

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

Compound	Time (min)	Peak Area
Ethanol	1.373	166.428
n-Propanol	2.467	216.532

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1304112	Vial: 26
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 12:35:02 PM
Data file: C:\Chem32\1\Data\24Mar20\26.D	Analyst: Brooke

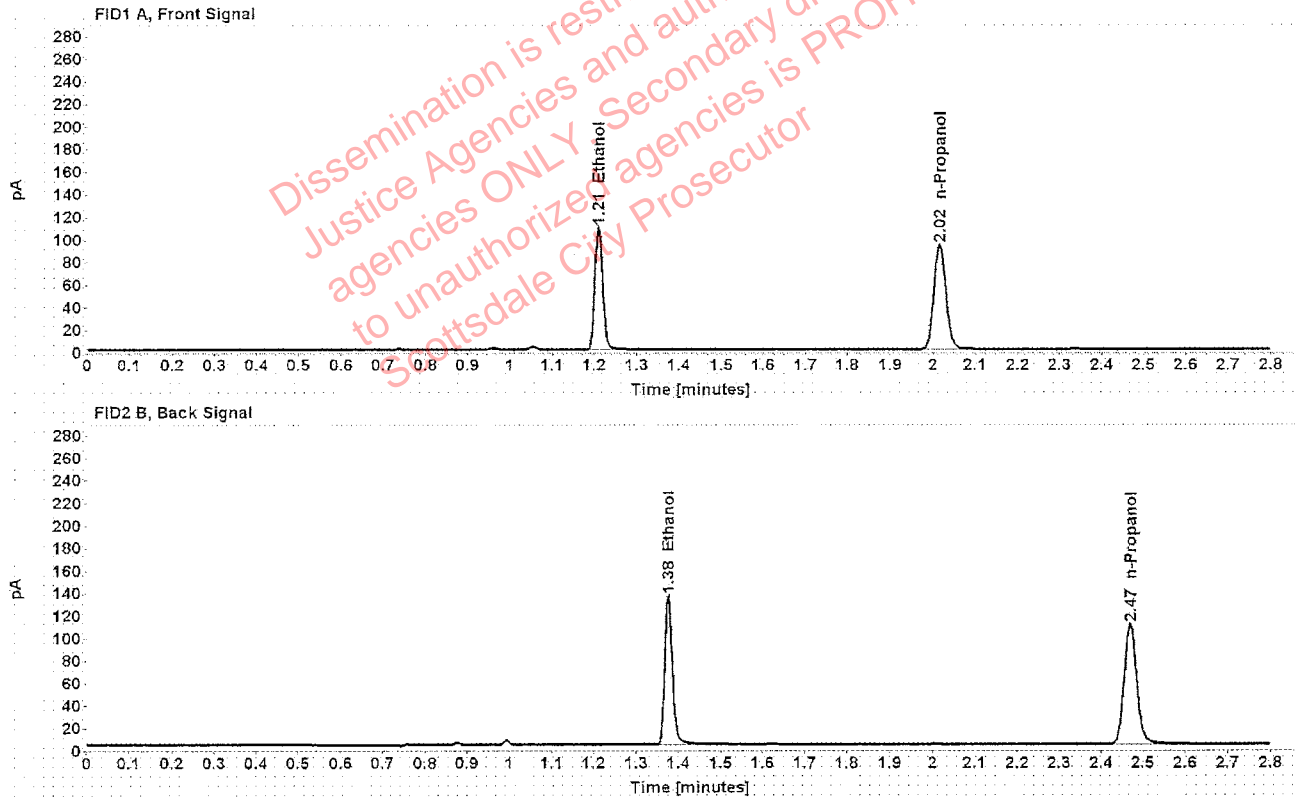


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2079	1.210	138.605
n-Propanol	-----	2.016	185.538

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

Compound	Time (min)	Peak Area
Ethanol	1.376	170.828
n-Propanol	2.469	222.786

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310703	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:39:01 PM
Data file:	C:\Chem32\1\Data\24Mar20\27.D	Analyst:	Brooke

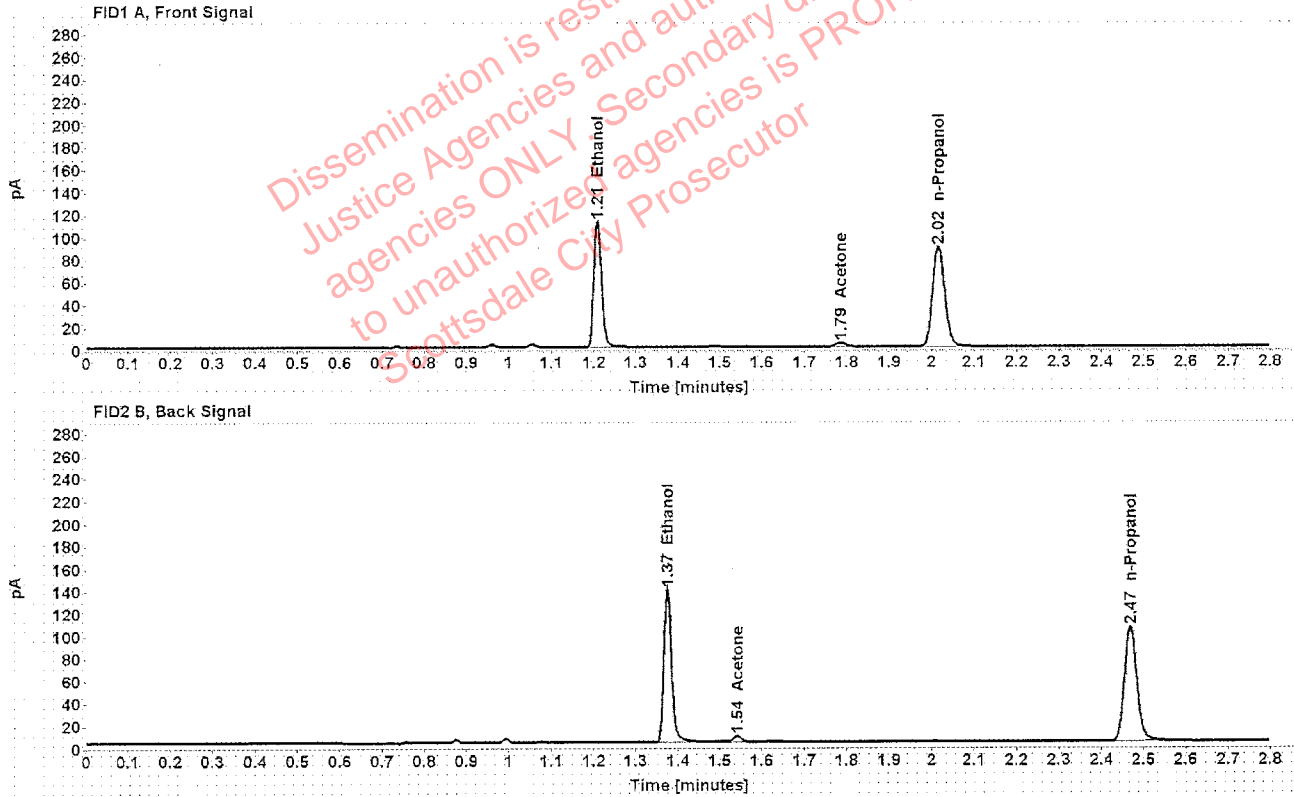


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2239	1.209	142.812
Acetone	-----	1.786	6.164
n-Propanol	-----	2.016	177.463

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

Compound	Time (min)	Peak Area
Ethanol	1.375	176.204
Acetone	1.542	8.142
n-Propanol	2.468	210.504

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310703	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:43:01 PM
Data file:	C:\Chem32\1\Data\24Mar20\28.D	Analyst:	Brooke

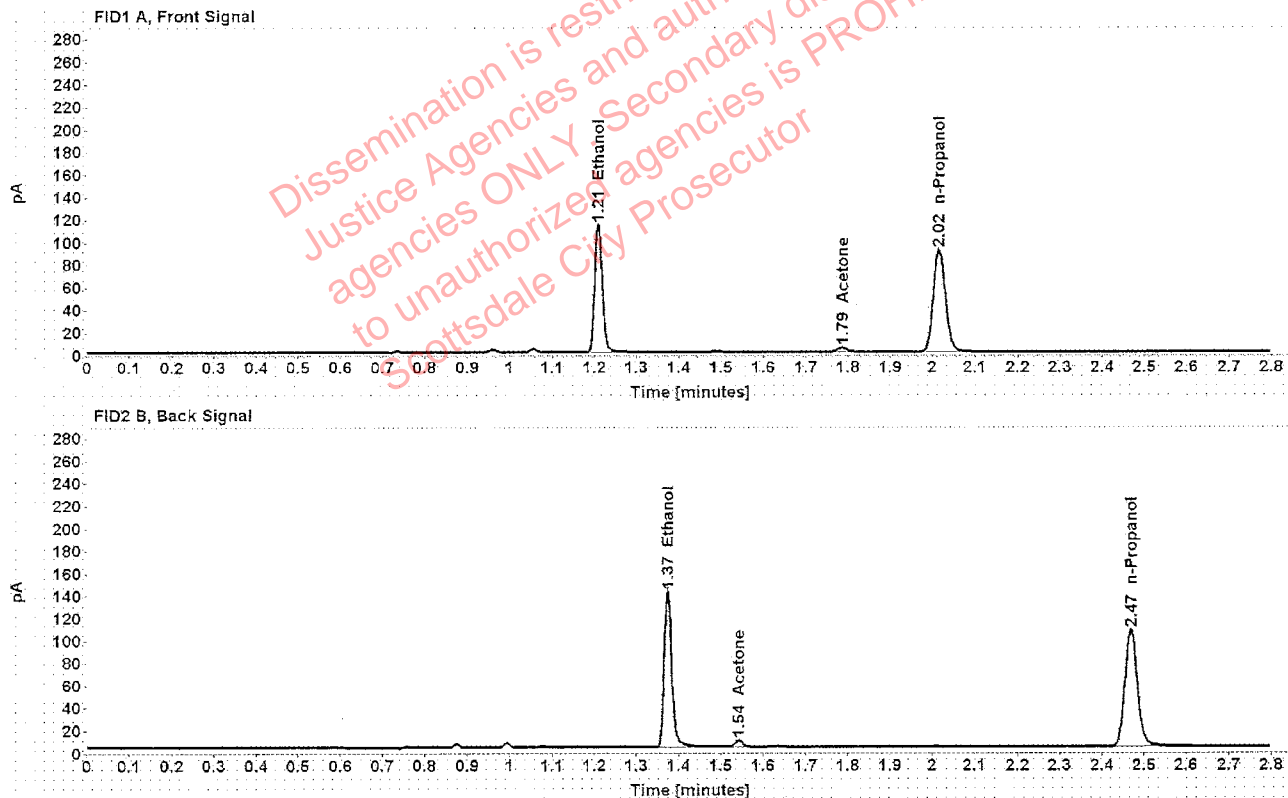


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2216	1.209	144.974
Acetone	-----	1.786	6.266
n-Propanol	-----	2.016	182.011

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

Compound	Time (min)	Peak Area
Ethanol	1.375	179.076
Acetone	1.542	8.339
n-Propanol	2.469	215.011

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 1300746	Vial: 29
Description: [REDACTED]	LIMS ID: [REDACTED]
Method: ethanol quant.M	Sequence: 24Mar20
Instrument: US14173023 CN14160045	Injection date: 3/24/2020 12:47:01 PM
Data file: C:\Chem321\Data\24Mar20\29.D	Analyst: Brooke

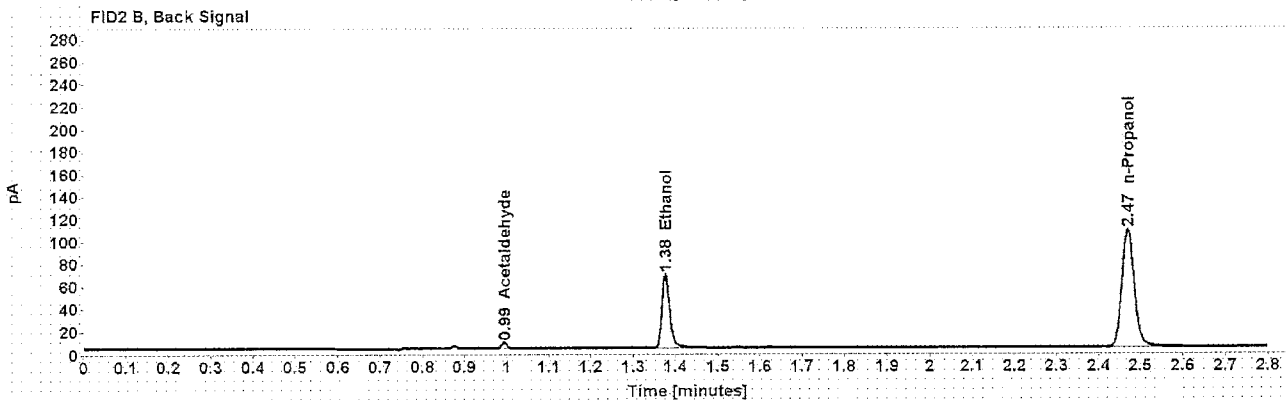
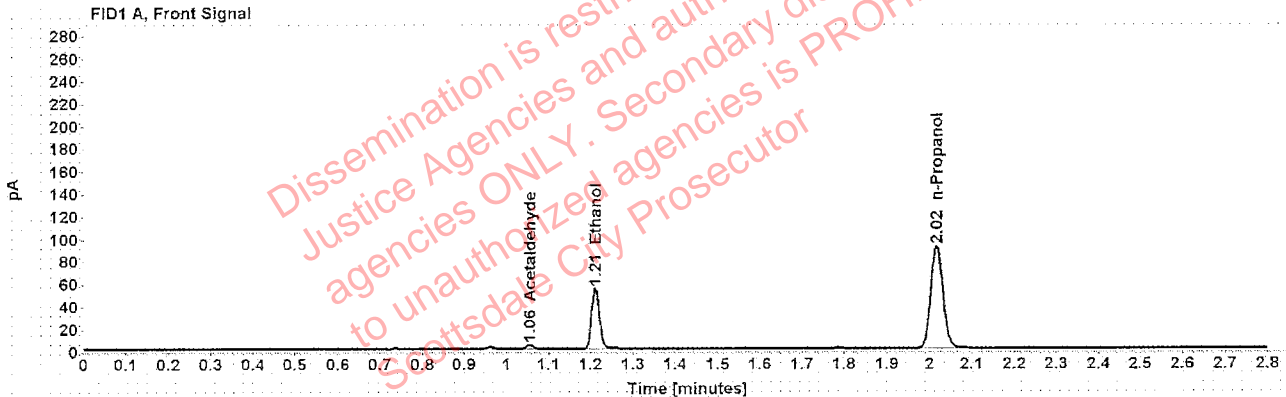


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.754
>Ethanol	0.1064	1.211	69.199
n-Propanol	-----	2.017	181.836

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.882
Ethanol	1.377	83.941
n-Propanol	2.470	216.802

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1300746	Vial:	30
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:51:02 PM
Data file:	C:\Chem32\1\Data\24Mar20\30.D	Analyst:	Brooke

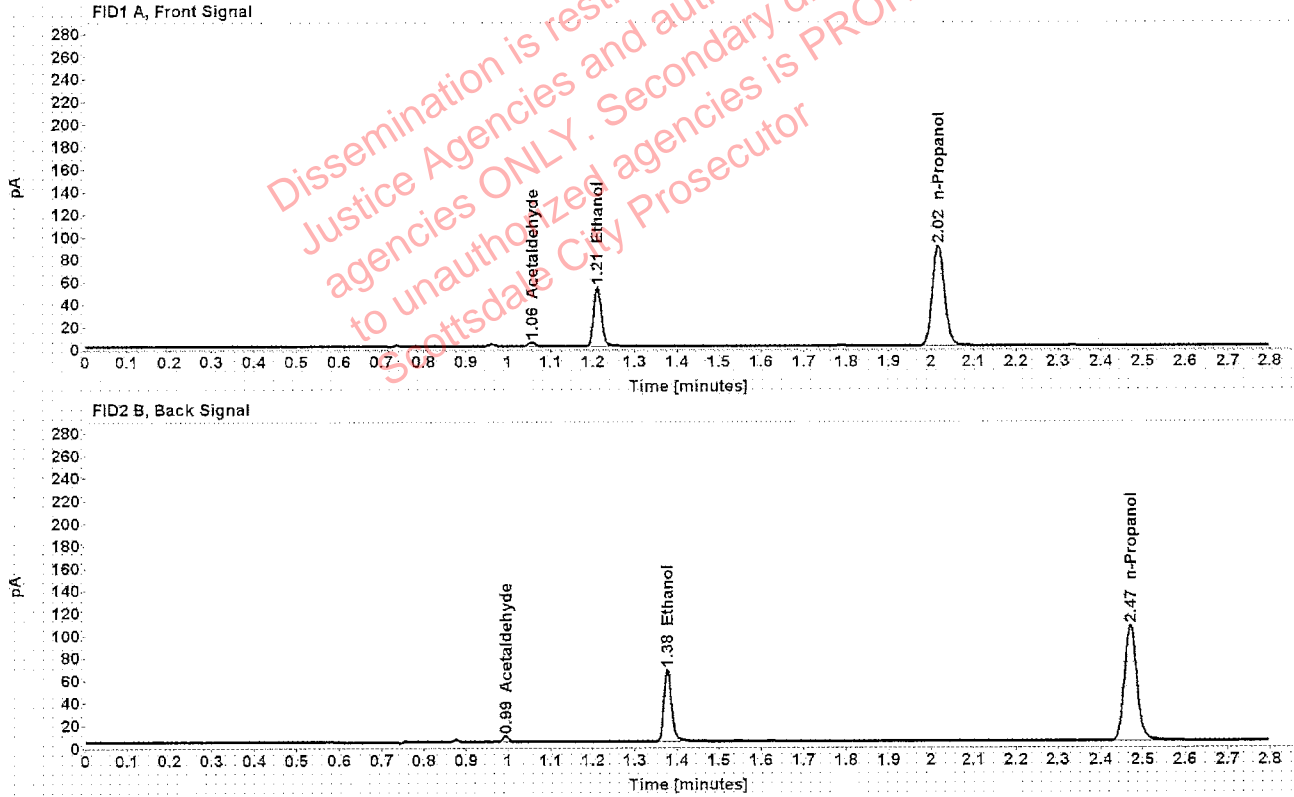


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.056	3.814
>Ethanol	0.1056	1.211	67.507
n-Propanol	-----	2.017	178.681

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

Compound	Time (min)	Peak Area
Acetaldehyde	0.994	4.956
Ethanol	1.377	81.598
n-Propanol	2.470	213.189

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314656	Vial:	32
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 12:59:16 PM
Data file:	C:\Chem32\1\Data\24Mar20\32.D	Analyst:	Brooke

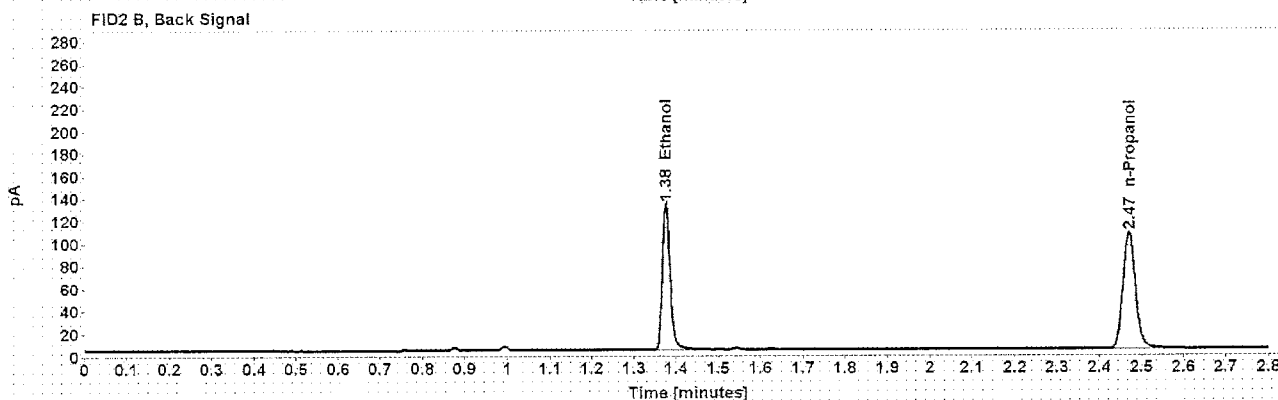
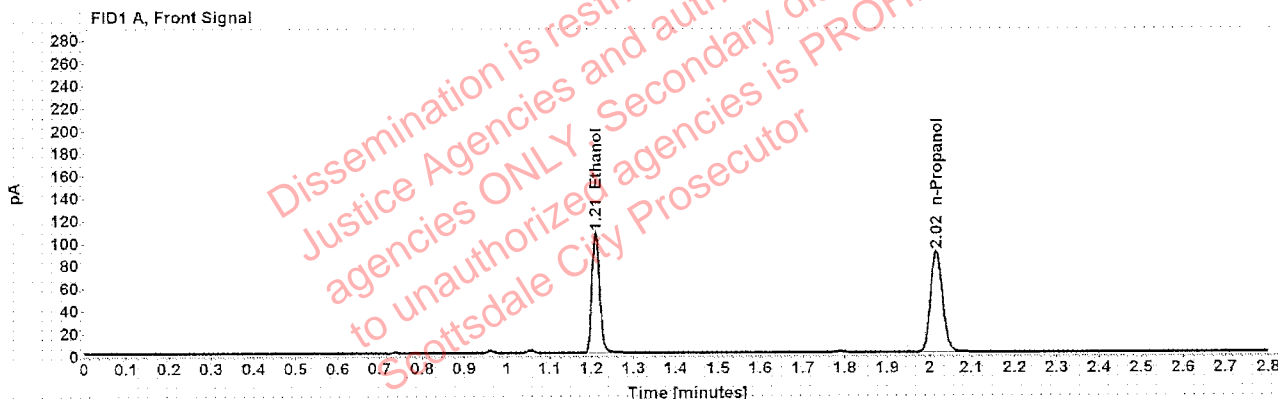


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2104	1.210	135.985
n-Propanol	-----	2.016	179.867

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.111
n-Propanol	2.470	214.019

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1314656	Vial:	33
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:03:16 PM
Data file:	C:\Chem32\1\Data\24Mar20\33.D	Analyst:	Brooke

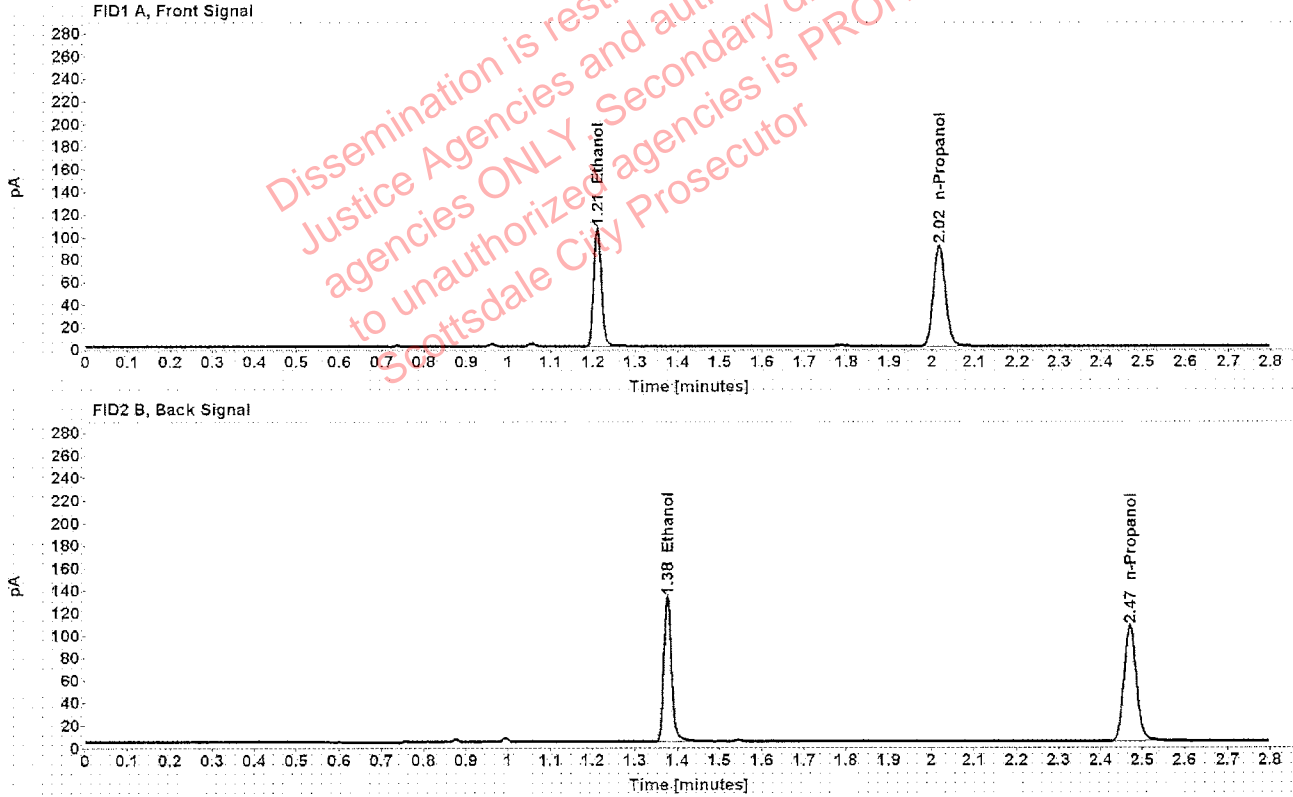


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2102	1.210	135.203
n-Propanol	-----	2.017	179.058

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

Compound	Time (min)	Peak Area
Ethanol	1.376	166.653
n-Propanol	2.470	212.972

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312538	Vial:	34
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:07:17 PM
Data file:	C:\Chem32\1\Data\24Mar20\34.D	Analyst:	Brooke

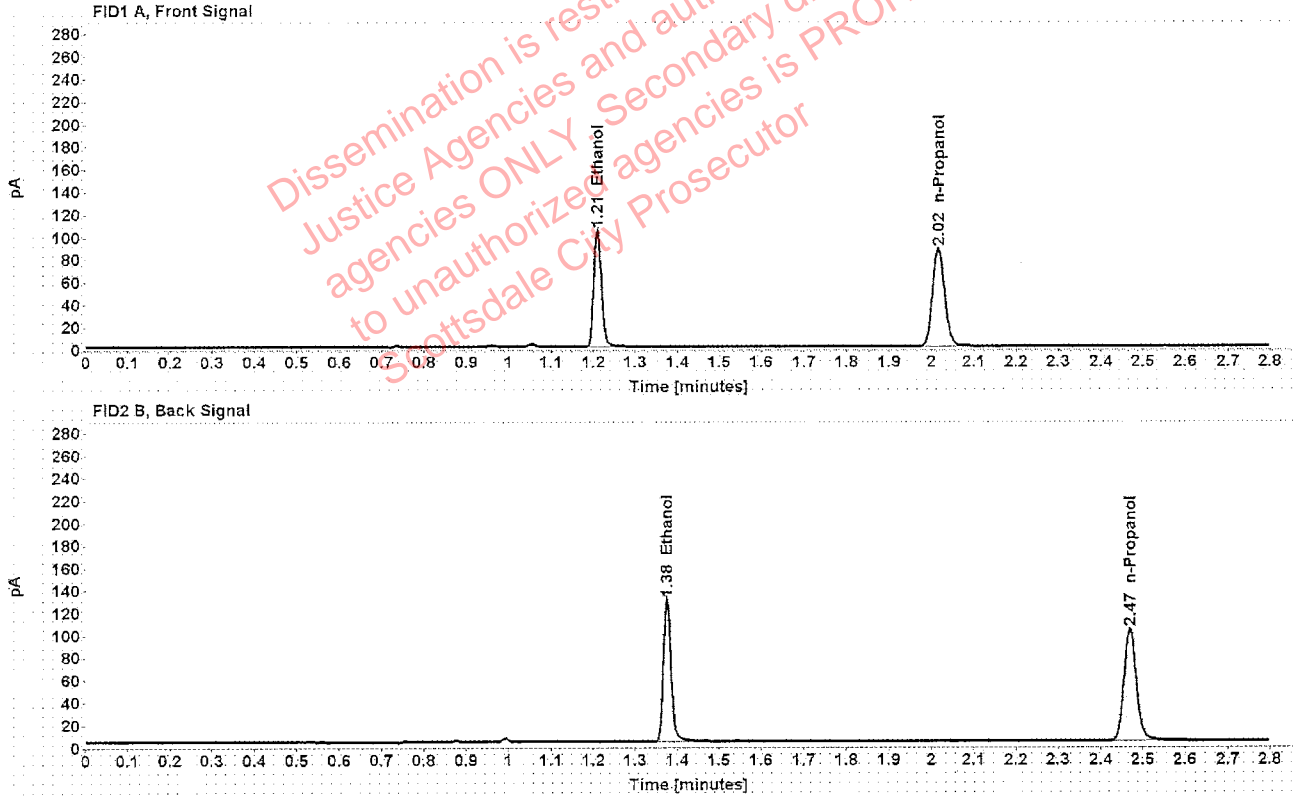


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2119	1.210	132.648
n-Propanol	-----	2.016	174.215

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

Compound	Time (min)	Peak Area
Ethanol	1.375	162.243
n-Propanol	2.469	206.508

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312538	Vial:	35
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:11:16 PM
Data file:	C:\Chem32\1\Data\24Mar20\35.D	Analyst:	Brooke

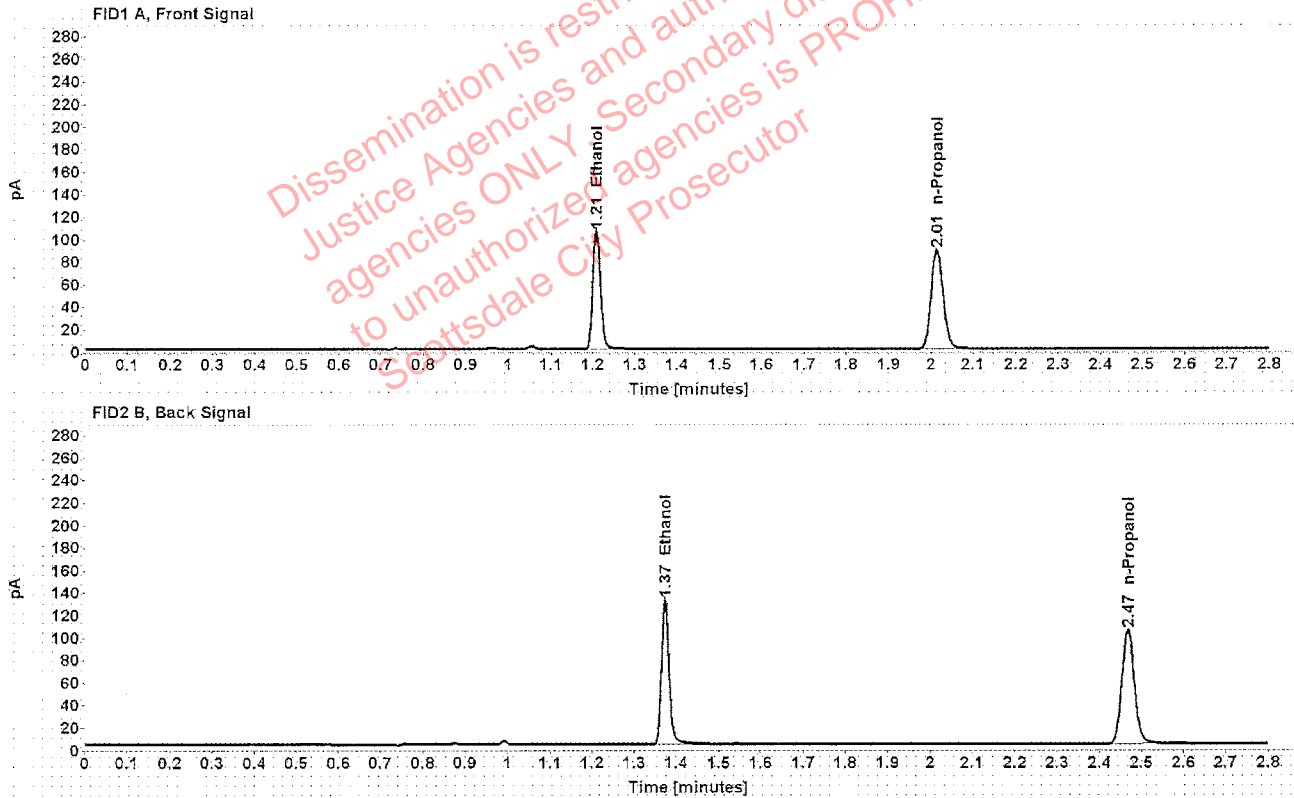


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2113	1.209	134.397
n-Propanol	-----	2.015	177.012

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

Compound	Time (min)	Peak Area
Ethanol	1.373	164.334
n-Propanol	2.467	210.191

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312367	Vial:	36
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:15:16 PM
Data file:	C:\Chem32\1\Data\24Mar20\36.D	Analyst:	Brooke

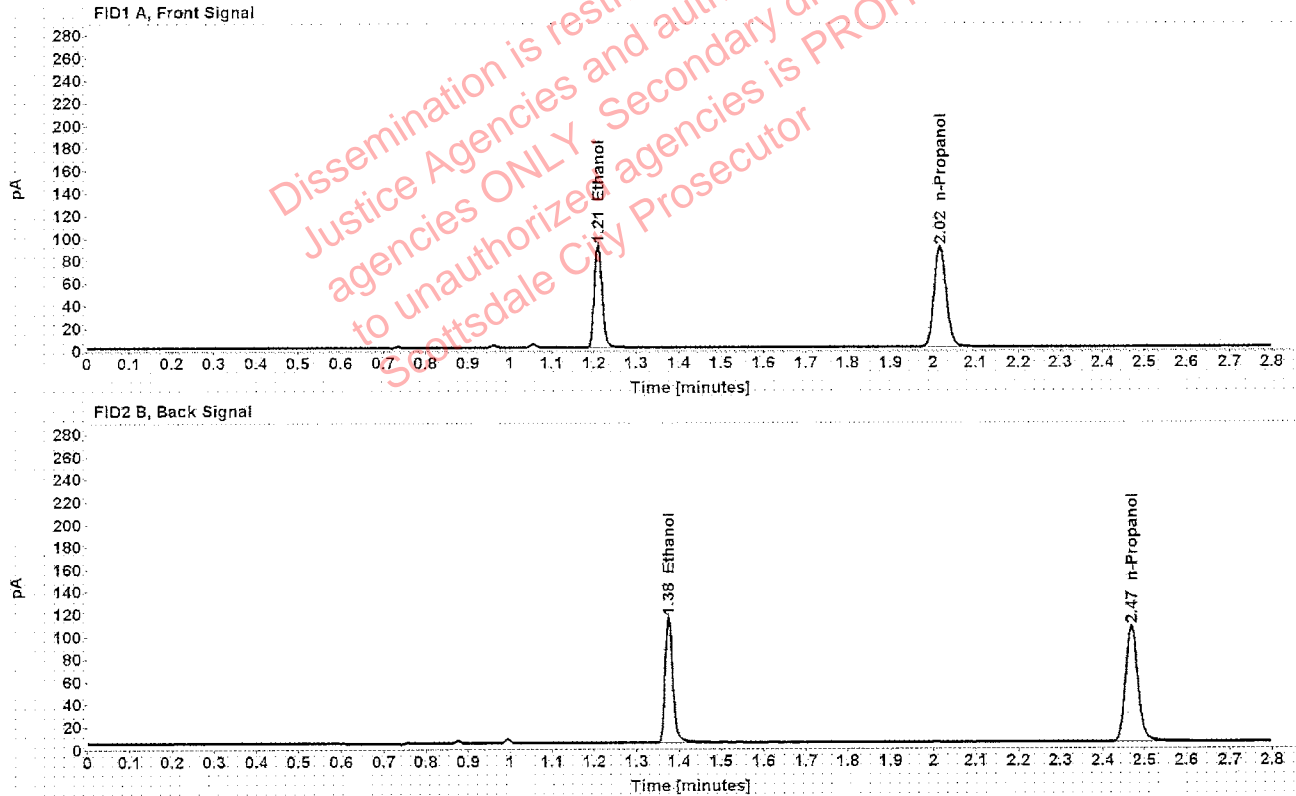


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1817	1.210	116.648
n-Propanol	-----	2.016	178.797

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

Compound	Time (min)	Peak Area
Ethanol	1.375	143.951
n-Propanol	2.469	213.746

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1312367	Vial:	37
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:19:32 PM
Data file:	C:\Chem321\1\Data\24Mar20\37.D	Analyst:	Brooke

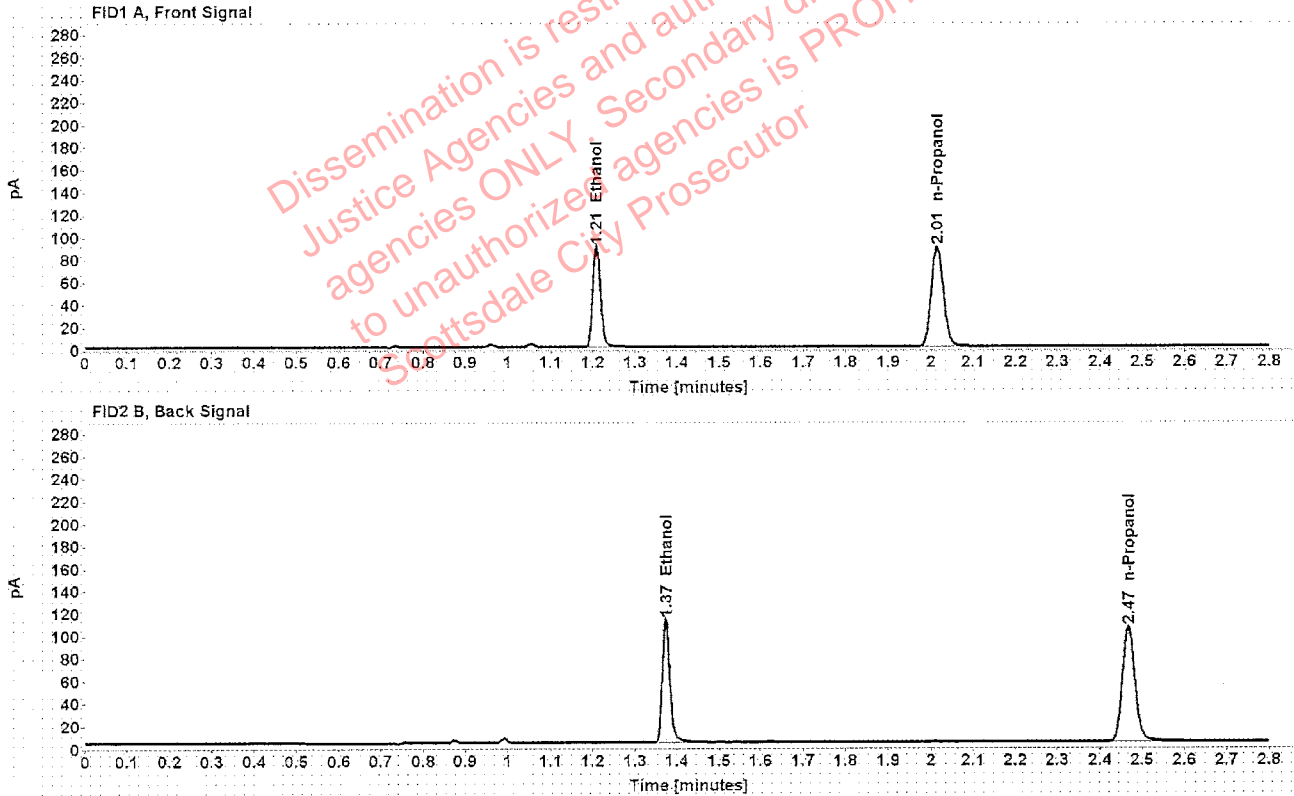


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.1804	1.209	115.019
n-Propanol	-----	2.015	177.603

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

Compound	Time (min)	Peak Area
Ethanol	1.373	141.587
n-Propanol	2.467	211.756

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310946	Vial:	38
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:23:32 PM
Data file:	C:\Chem32\1\Data\24Mar20\38.D	Analyst:	Brooke

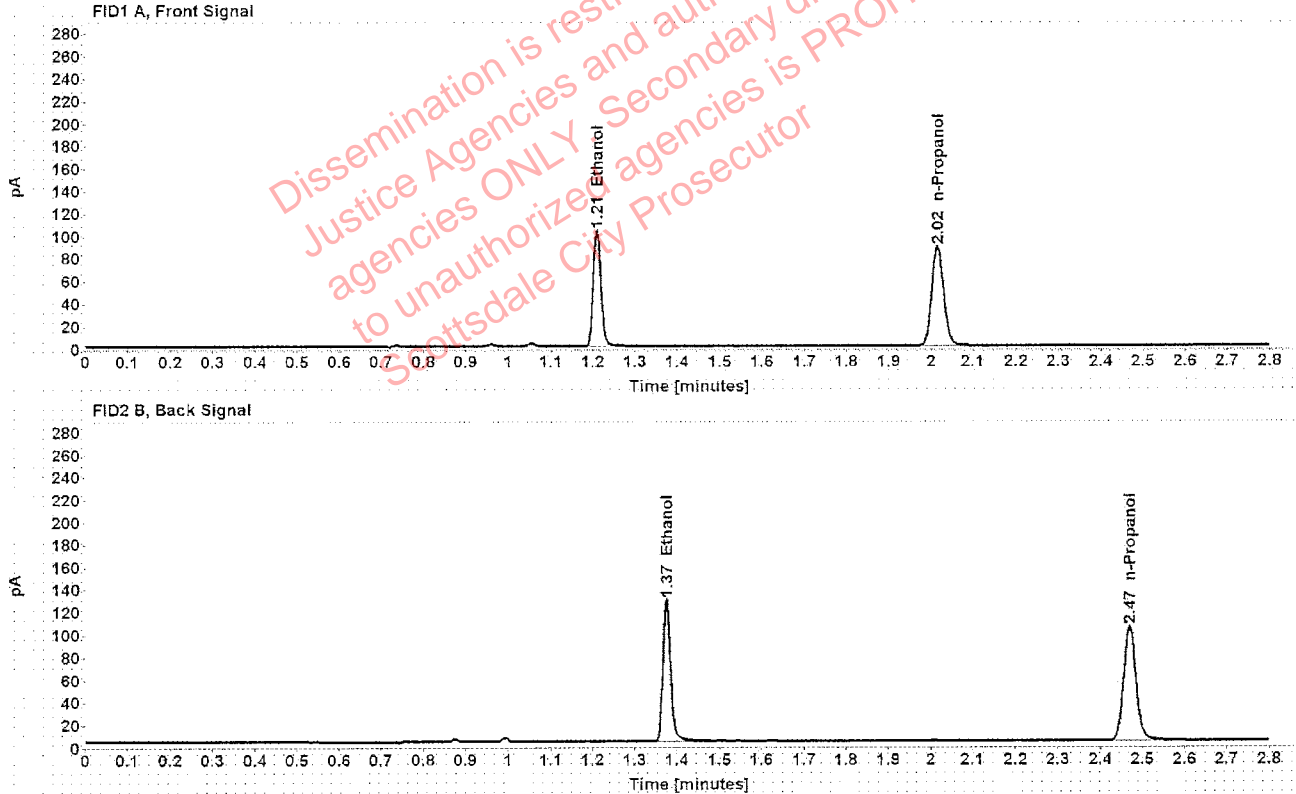


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2072	1.210	131.503
n-Propanol	-----	2.016	176.661

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

Compound	Time (min)	Peak Area
Ethanol	1.375	162.148
n-Propanol	2.469	211.327

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1310946	Vial:	39
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	24Mar20
Instrument:	US14173023 CN14160045	Injection date:	3/24/2020 1:27:32 PM
Data file:	C:\Chem32\1\Data\24Mar20\39.D	Analyst:	Brooke

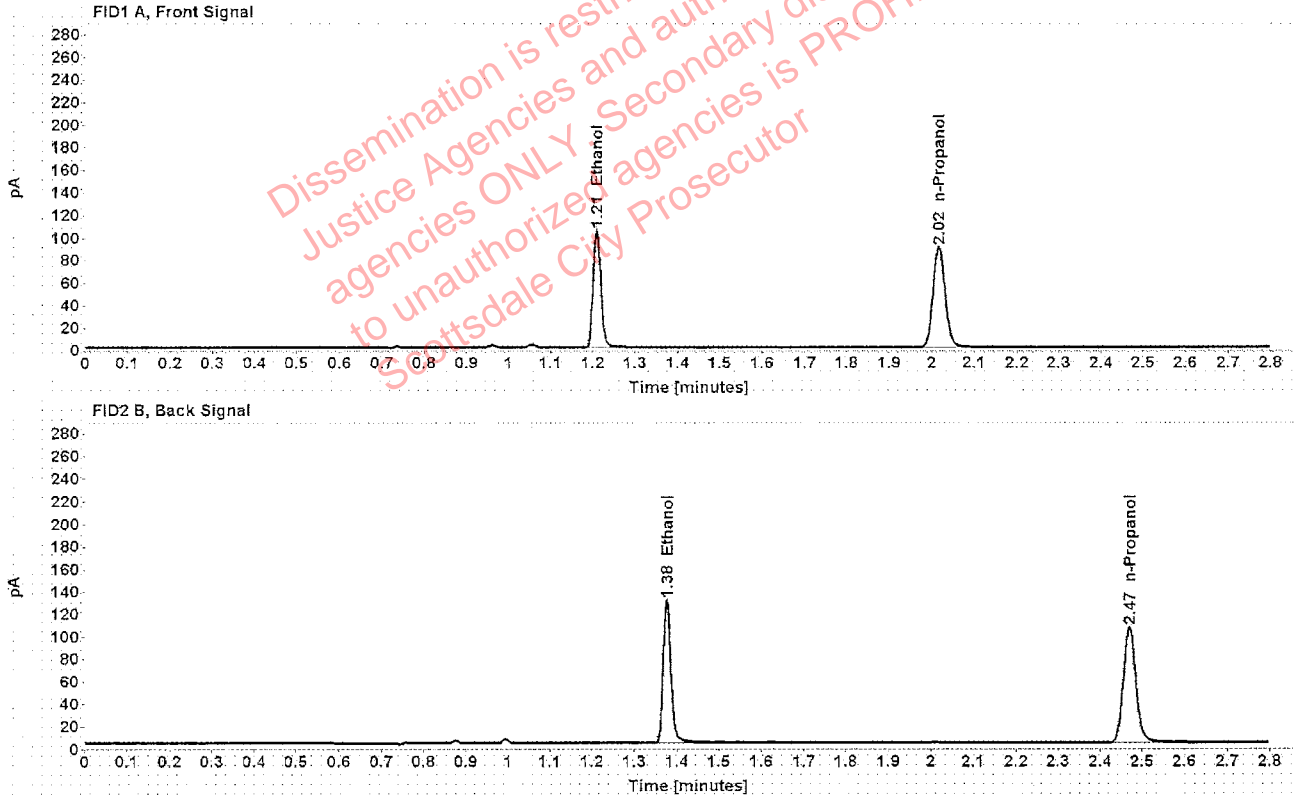


Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
>Ethanol	0.2083	1.210	133.554
n-Propanol	-----	2.016	178.442

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

Compound	Time (min)	Peak Area
Ethanol	1.376	164.414
n-Propanol	2.470	213.062