SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 10/16/26 SEQUENCE NAME 16Oct26

EQUIPMENT

Pipettor ☐ Hamilton ML600GA23163 ☒ Hamilton ML600EA20851
Gas Chromatograph ☐ Agilent US14173023 ☒ Agilent US2320A024

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03062417
Vial 2 0.10 calibrator Lot FN04042408
Vial 3 0.20 calibrator Lot FN07012401
Vial 4 0.40 calibrator Lot FN04092401

Coefficient of determination (r^2)
1.00000

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CALIBRATION VERIFICATION AND RESOLUTION TEST

Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 061026WB
6	Volatiles mixture	6 compounds	6 compounds	SPD lab 031726MIX
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed C1475825
8	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 529862
9	Blood control	0.201 d/dL	0.199 g/dL	ACQ 4190425129/6
20	Aqueous control	0.100 g/dL	0.100 g/dL	Lipomed C1455120
31	Aqueous control	0.100 g/dL	0.100 g/dL	Lipomed C1455120
42	Aqueous control	0.100 g/dL	0.099 g/dL	Lipomed C1455120
53	Aqueous control	0.100 g/dL	0.100 g/dL	Lipomed C1455120
64	Aqueous control	0.400 g/dL	0.400 g/dL	Lipomed C1475825
65	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 529862
66	Blood control	0.201 g/dL	0.198 g/dL	ACQ 4190425129/6
67	Blank	Not detected	Not detected	SPD lab 092926AQ

SUBJECT SAMPLES

Subjects in the sequence 25 Subjects requiring reanalysis 0

ADDITIONAL NOTES: **All testing proceeded as expected.**

Run valid ☒
Run invalid ☐
Alexandra J Arroyo
Analyst

Run valid ☑
Run invalid ☐
Lori Abbott
Technical Reviewer

Scottsdale Police Department Crime Laboratory

Sequence Quality Assurance Summary

Sequence: 16Oct26 **Analyst: Arroyo**

afa

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 061026WB	5	negative	negative	-	-
0.400 C1475825	7	0.401	0.400	0.25	0.001
0.040 529862	8	0.039	0.040	2.50	0.001
0.201 4190425129/6	9	0.199	0.201	1.00	0.002
0.100 C1455120	20	0.100	0.100	0.00	0.000
0.100 C1455120	31	0.100	0.100	0.00	0.000
0.100 C1455120	42	0.099	0.100	1.00	0.001
0.100 C1455120	53	0.100	0.100	0.00	0.000
0.400 C1475825	64	0.400	0.400	0.00	0.000
0.040 529862	65	0.039	0.040	2.50	0.001
0.201 4190425129/6	66	0.198	0.201	1.49	0.003
blank 092926AQ	67	negative	negative	-	-

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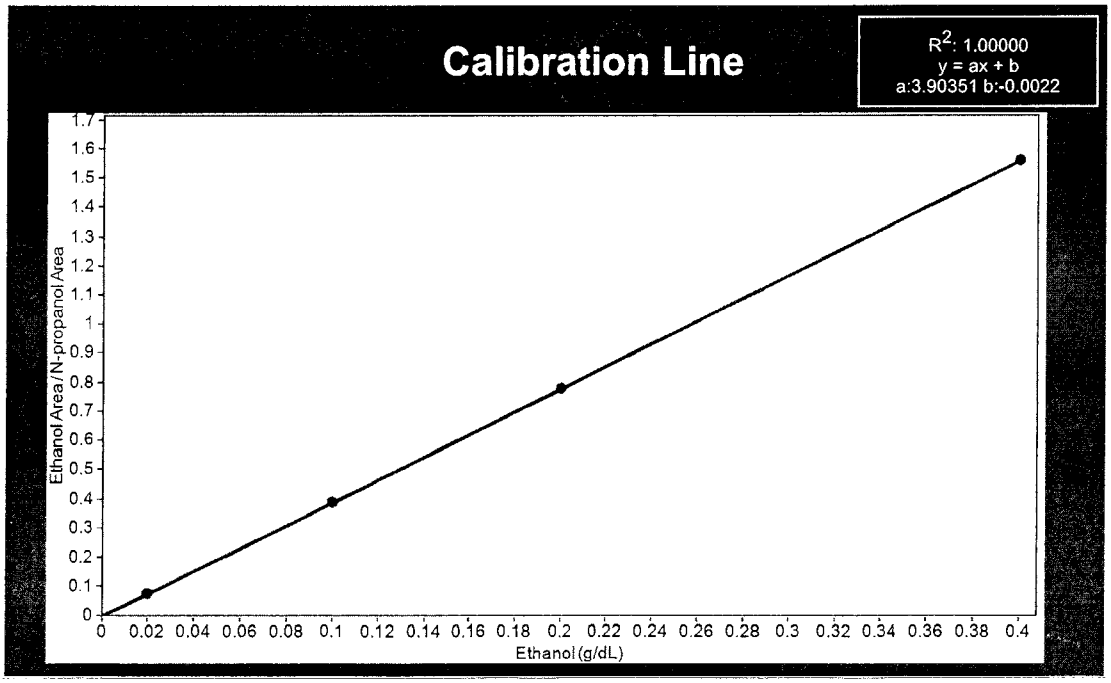
Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	15.244	199.730	0.076
0.100	76.440	197.077	0.388
0.200	162.174	208.429	0.778
0.400	321.976	206.465	1.559



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03062417	**Vial:**	1
Description:	0.020 Calibrator	**Sequence:**	16Oct26
Method:	ethanol quant.M	**Injection date:**	10/16/2026 10:48:29 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\16Oct26\1.D		

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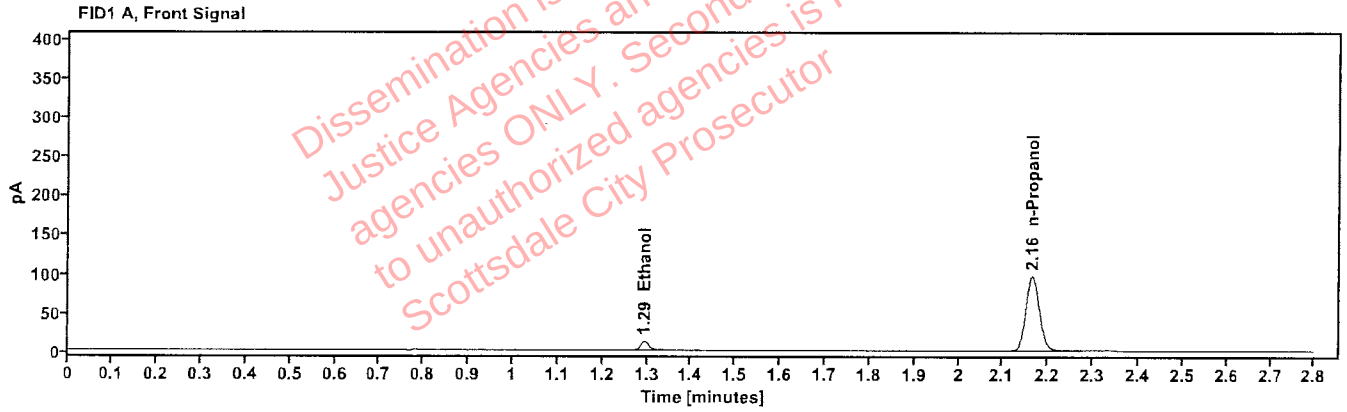

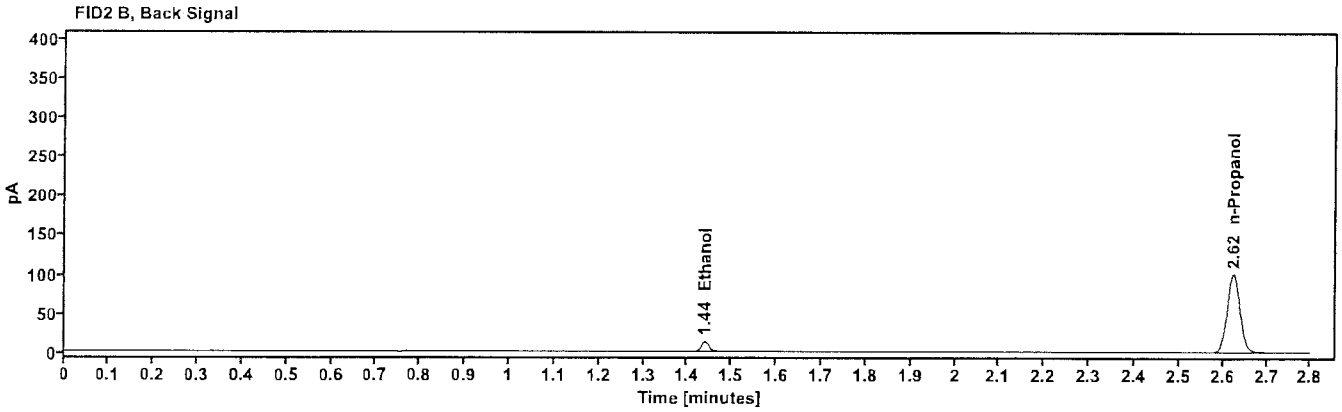

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.294	15.244
n-Propanol	2.164	199.730

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

Compound	Time (min)	Peak Area
Ethanol	1.439	15.900
n-Propanol	2.624	206.944

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN04042408	**Vial:**	2
Description:	0.100 Calibrator	**Sequence:**	16Oct26
Method:	ethanol quant.M	**Injection date:**	10/16/2026 10:52:18 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\16Oct26\2.D		

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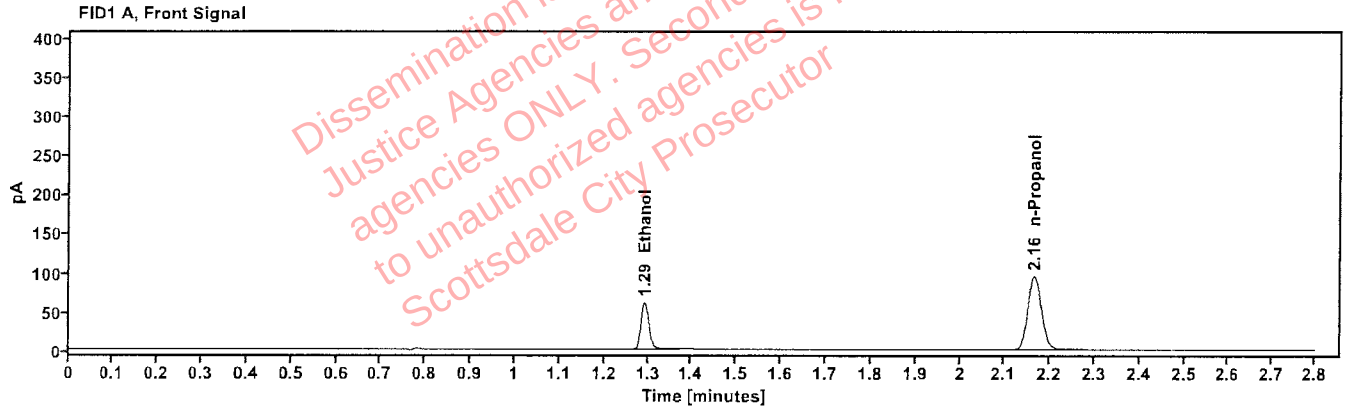

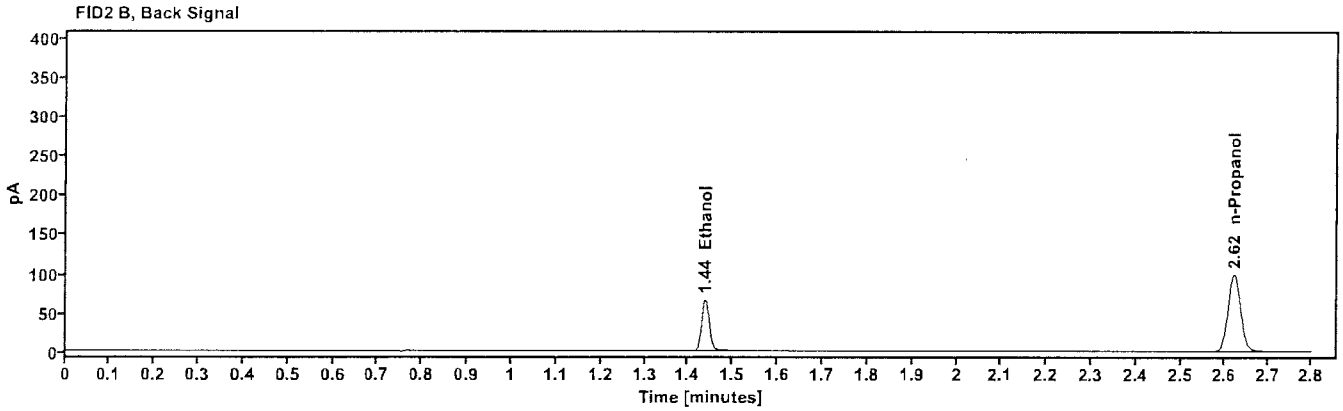

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.292	76.440
n-Propanol	2.164	197.077

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

Compound	Time (min)	Peak Area
Ethanol	1.438	79.276
n-Propanol	2.624	204.336

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN07012401	**Vial:**	3
Description:	0.200 Calibrator	**Sequence:**	16Oct26
Method:	ethanol quant.M	**Injection date:**	10/16/2026 10:56:06 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\16Oct26\3.D		

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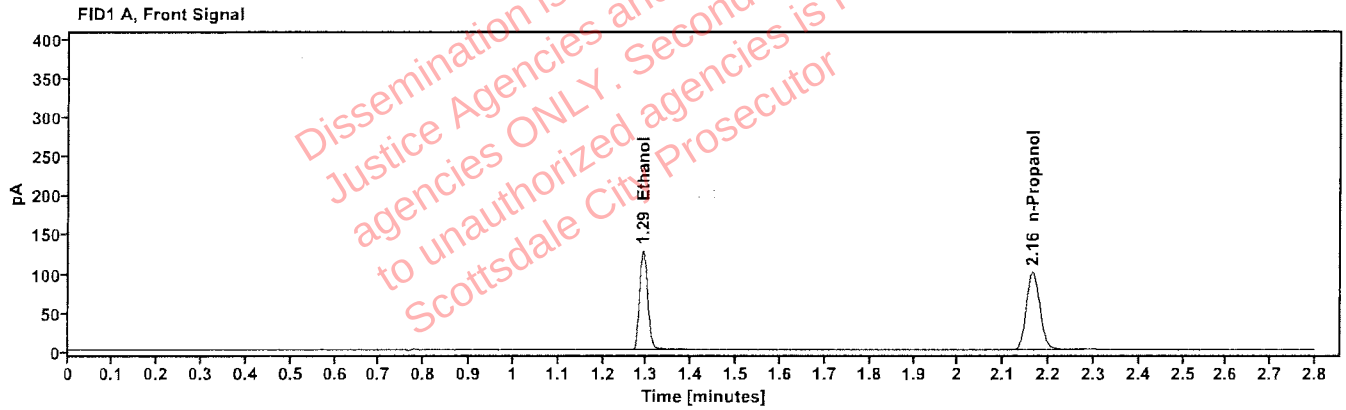

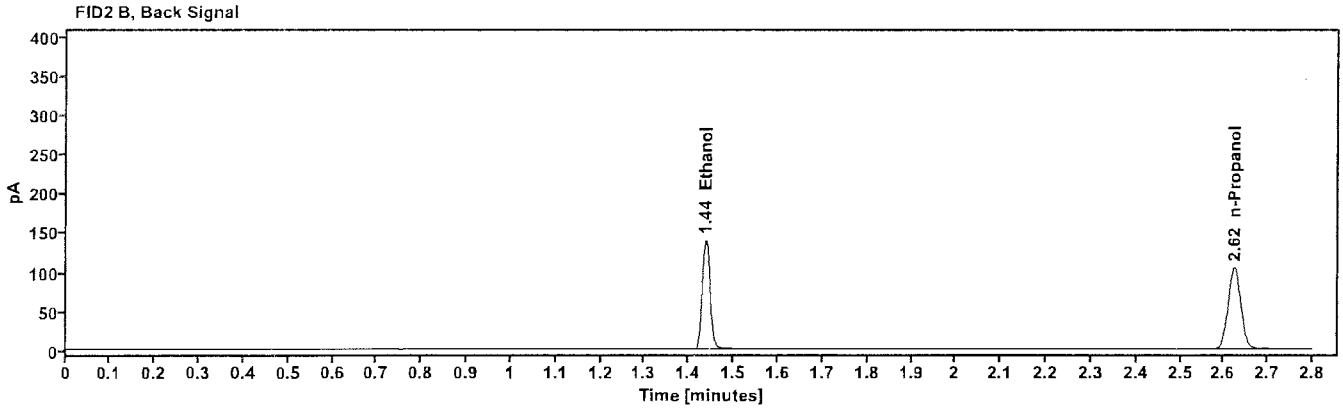

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.291	162.174
n-Propanol	2.164	208.429

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

Compound	Time (min)	Peak Area
Ethanol	1.437	168.398
n-Propanol	2.624	215.980

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN04092401	**Vial:**	4
Description:	0.400 Calibrator	**Sequence:**	16Oct26
Method:	ethanol quant.M	**Injection date:**	10/16/2026 10:59:54 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\16Oct26\4.D		

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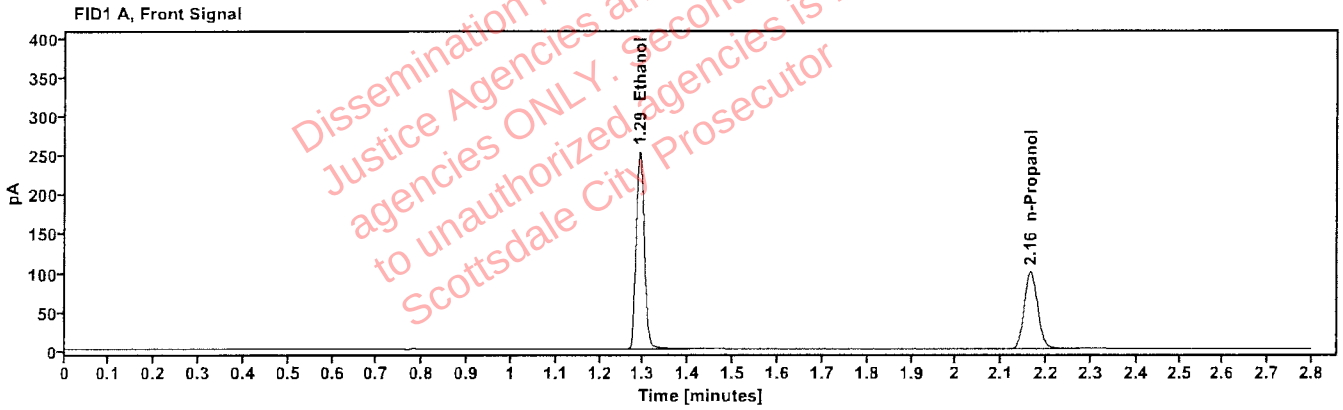

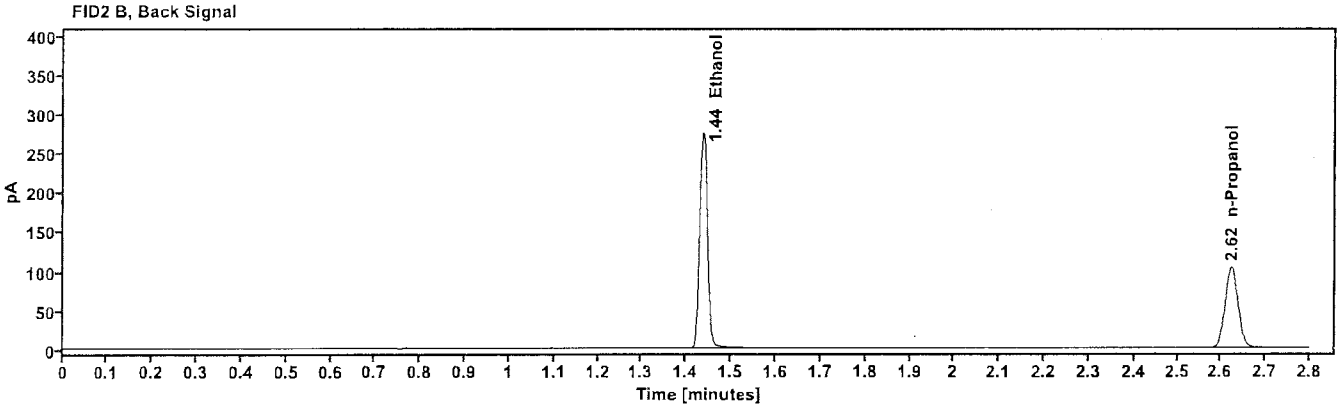

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.291	321.976
n-Propanol	2.164	206.465

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

Compound	Time (min)	Peak Area
Ethanol	1.437	333.733
n-Propanol	2.624	214.080

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	061026WB	**Vial:**	5
Description:	negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:03:41 AM
Data file:	C:\Chem32\1\Data\16Oct26\5.D	**Analyst:**	Arroyo

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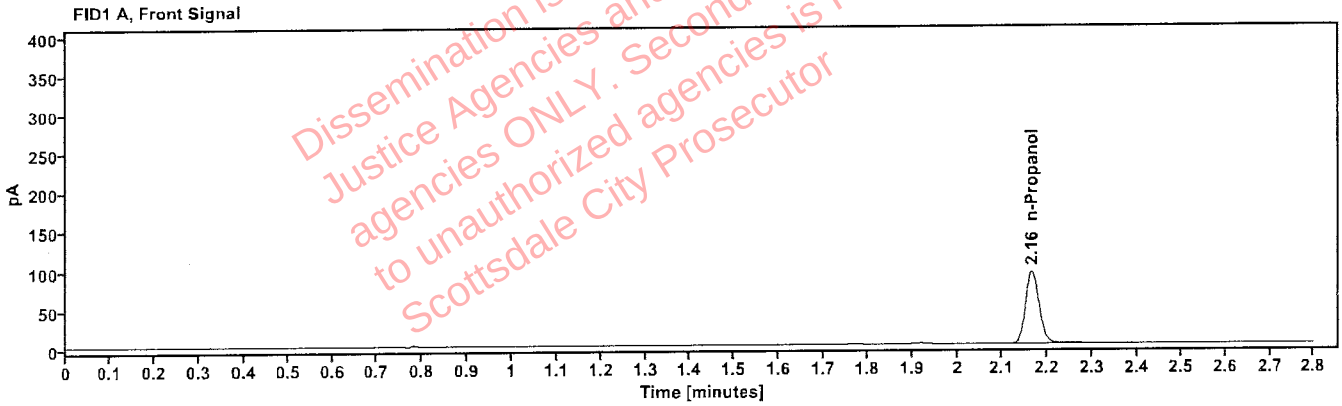

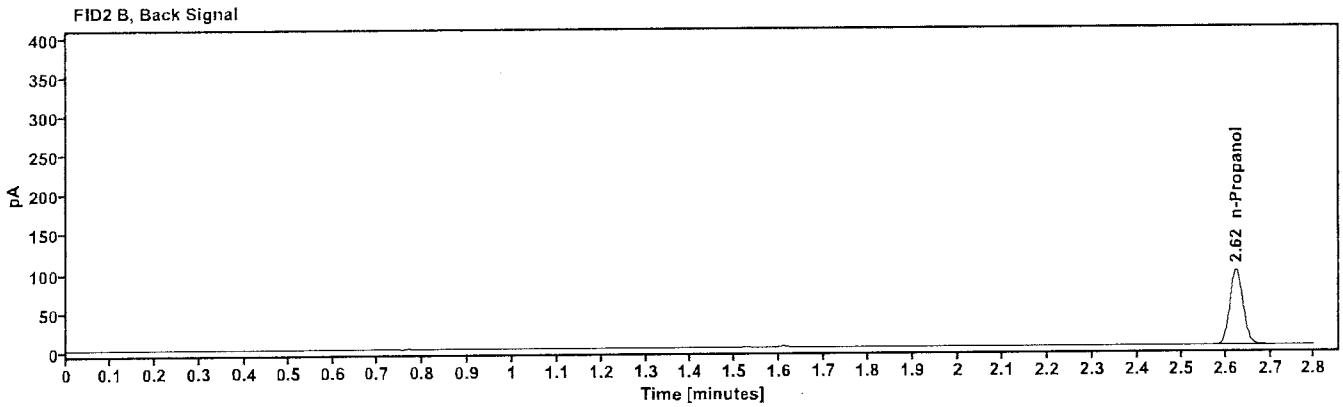

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.164	192.850

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

Compound	Time (min)	Peak Area
n-Propanol	2.624	200.072

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	031726MIX	**Vial:**	6
Description:	Volatile Mix	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:07:29 AM
Data file:	C:\Chem32\1\Data\16Oct26\6.D	**Analyst:**	Arroyo

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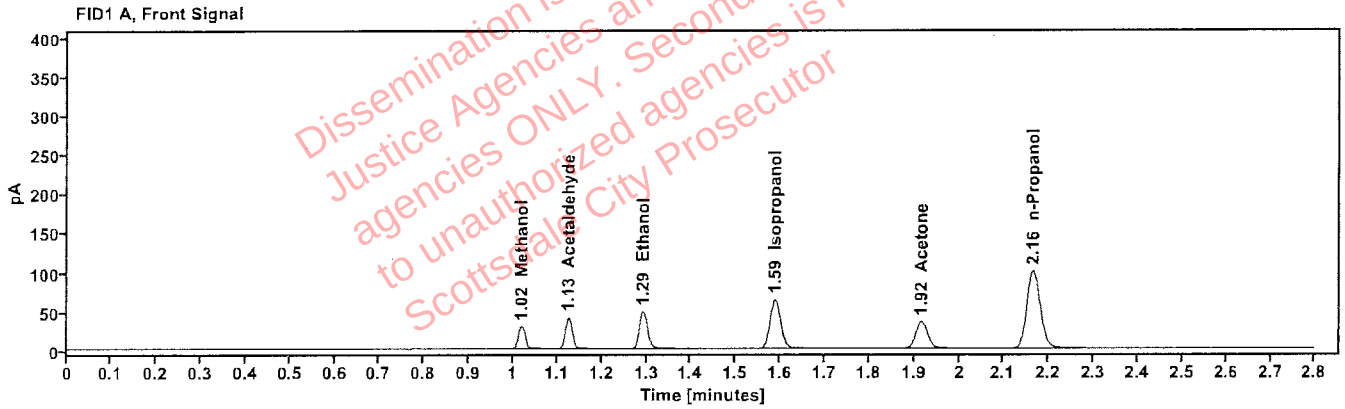

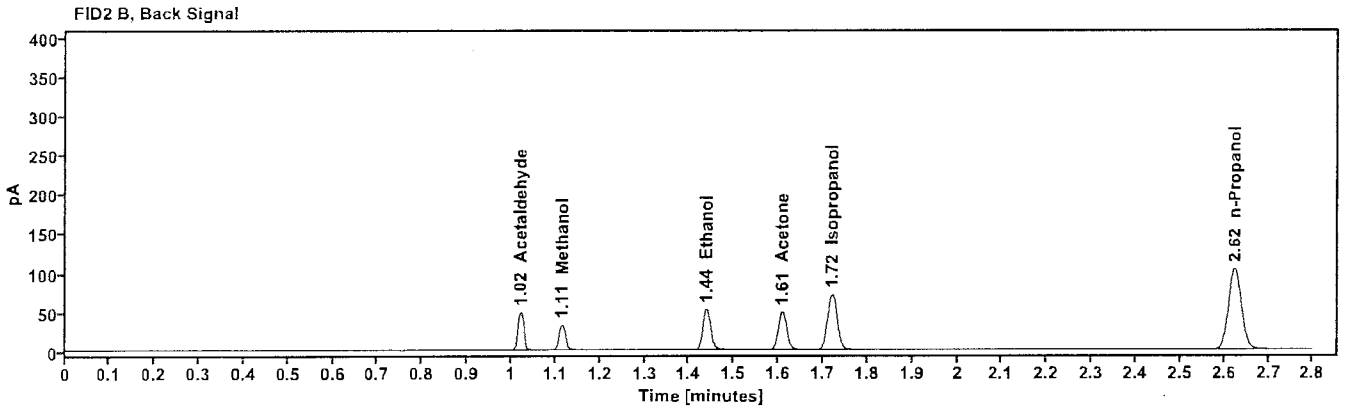

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	------	1.019	31.816
Acetaldehyde	------	1.126	43.482
quantified Ethanol	0.0760	1.293	60.942
Isopropanol	------	1.588	103.702
Acetone	------	1.916	62.064
n-Propanol	------	2.164	206.959

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	45.219
Methanol	1.115	32.936
Ethanol	1.438	63.221
Acetone	1.608	64.424
Isopropanol	1.721	107.734
n-Propanol	2.624	214.371

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1475825	**Vial:**	7
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:12:30 AM
Data file:	C:\Chem32\1\Data\16Oct26\7.D	**Analyst:**	Arroyo

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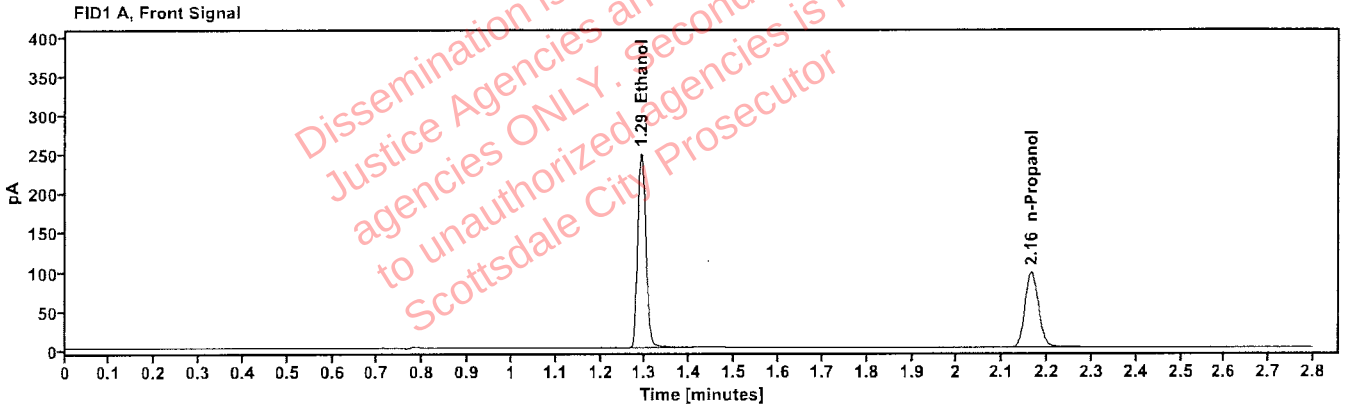

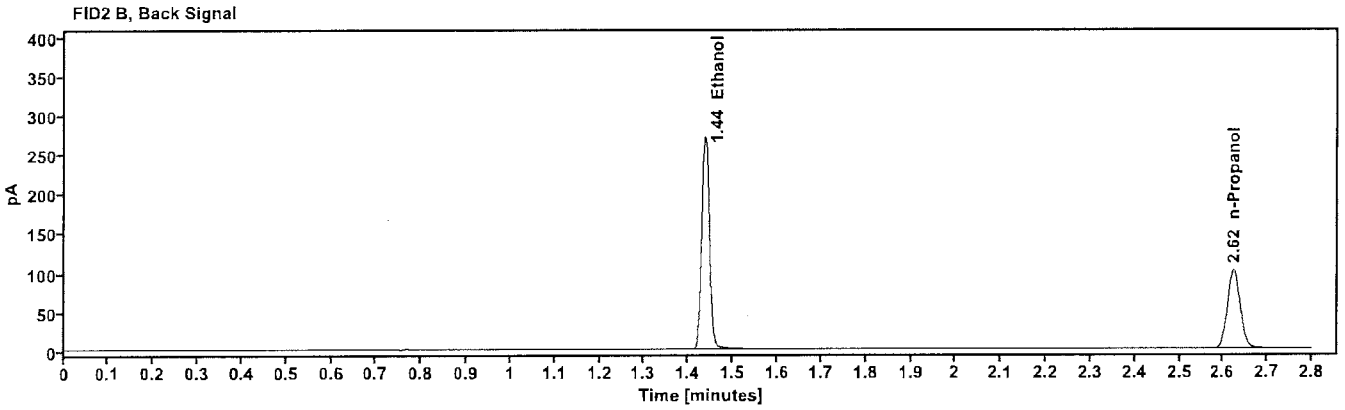

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.4017	1.291	316.852
n-Propanol	-----	2.164	202.357

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

Compound	Time (min)	Peak Area
Ethanol	1.437	328.448
n-Propanol	2.624	209.671

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	529862	**Vial:**	8
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:16:17 AM
Data file:	C:\Chem32\1\Data\16Oct26\8.D	**Analyst:**	Arroyo

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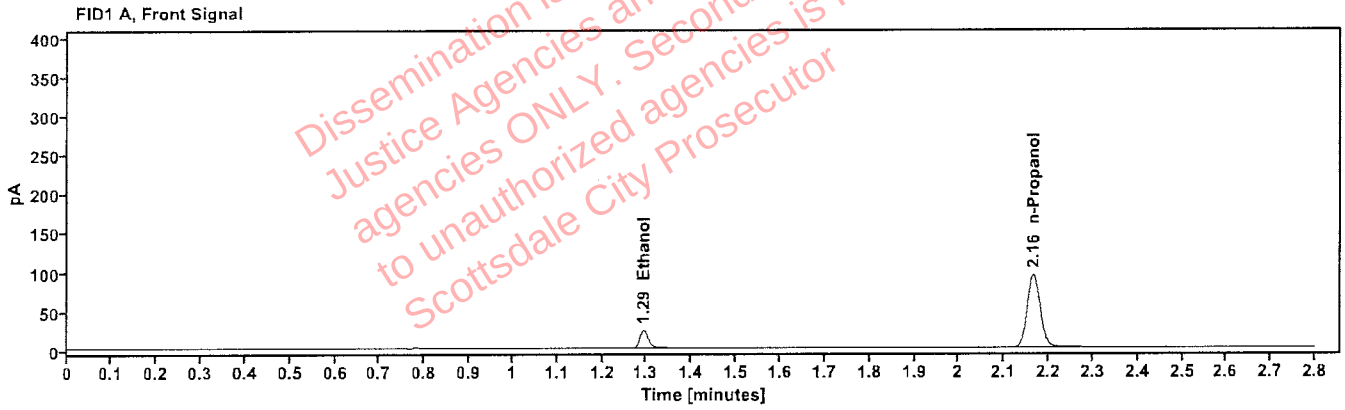

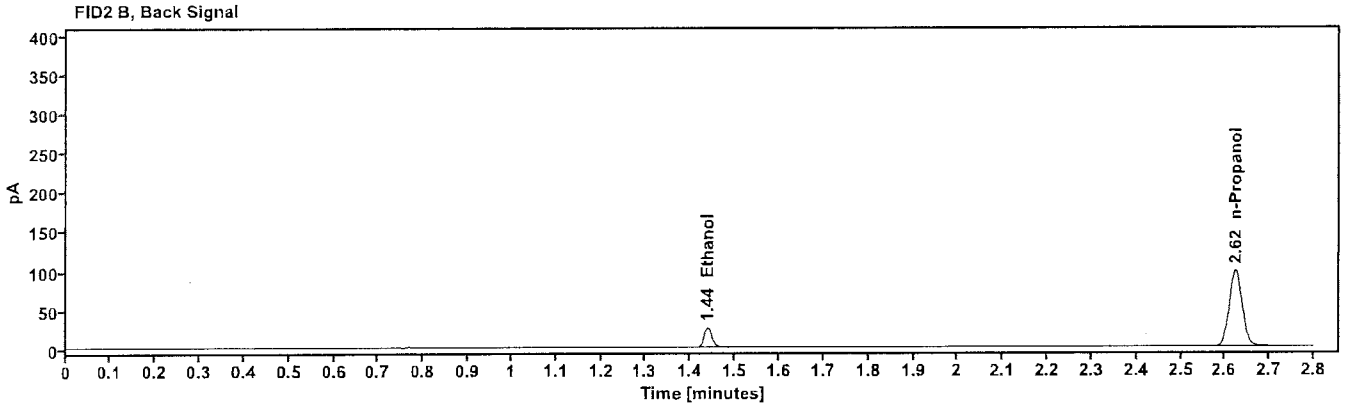

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0394	1.293	29.611
n-Propanol	-----	2.164	195.456

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

Compound	Time (min)	Peak Area
Ethanol	1.438	30.736
n-Propanol	2.624	202.726

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4190425129/6	**Vial:**	9
Description:	0.201	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:20:04 AM
Data file:	C:\Chem32\1\Data\16Oct26\9.D	**Analyst:**	Arroyo

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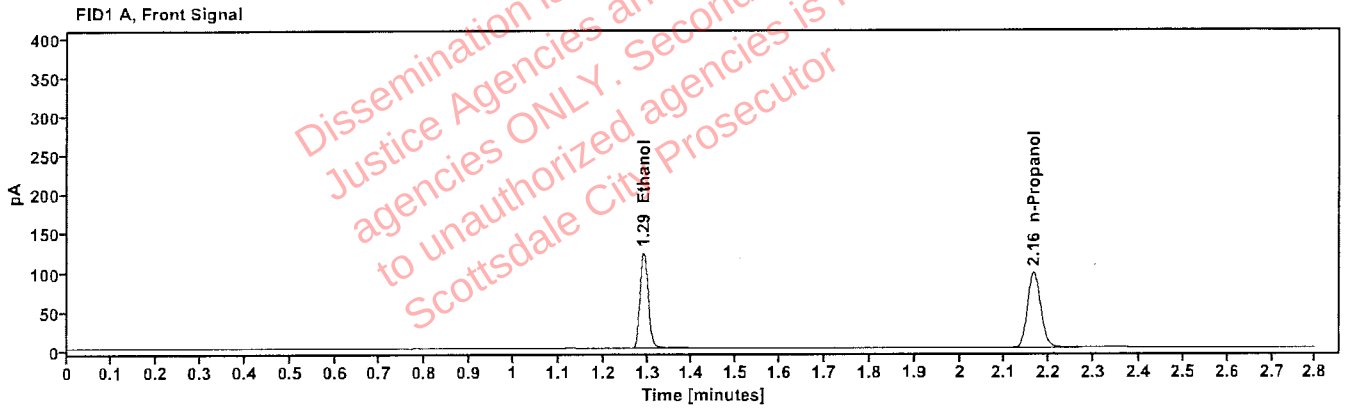

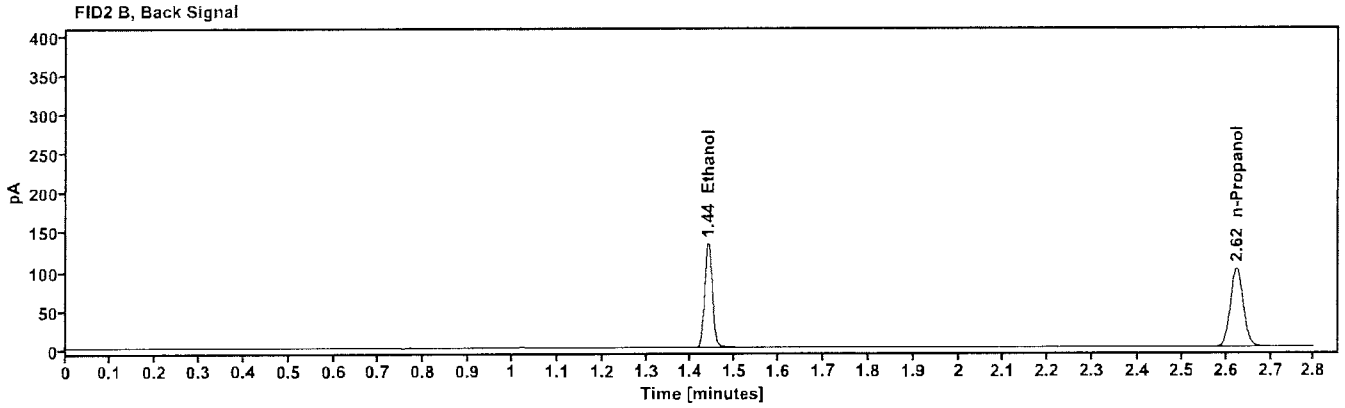

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1990	1.291	155.576
n-Propanol	-----	2.164	200.802

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

Compound	Time (min)	Peak Area
Ethanol	1.438	161.065
n-Propanol	2.624	208.273

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	20
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:04:18 PM
Data file:	C:\Chem32\1\Data\16Oct26\20.D	**Analyst:**	Arroyo

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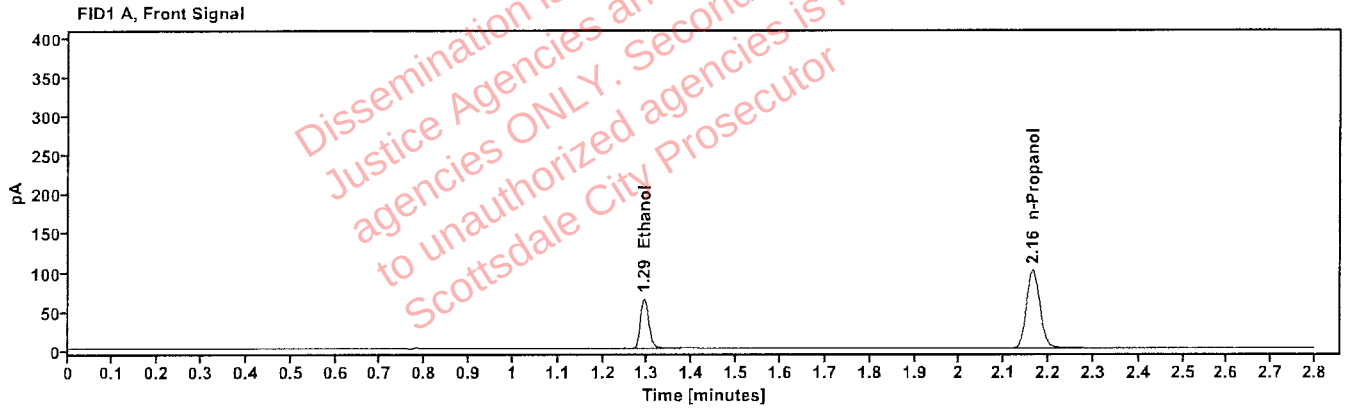

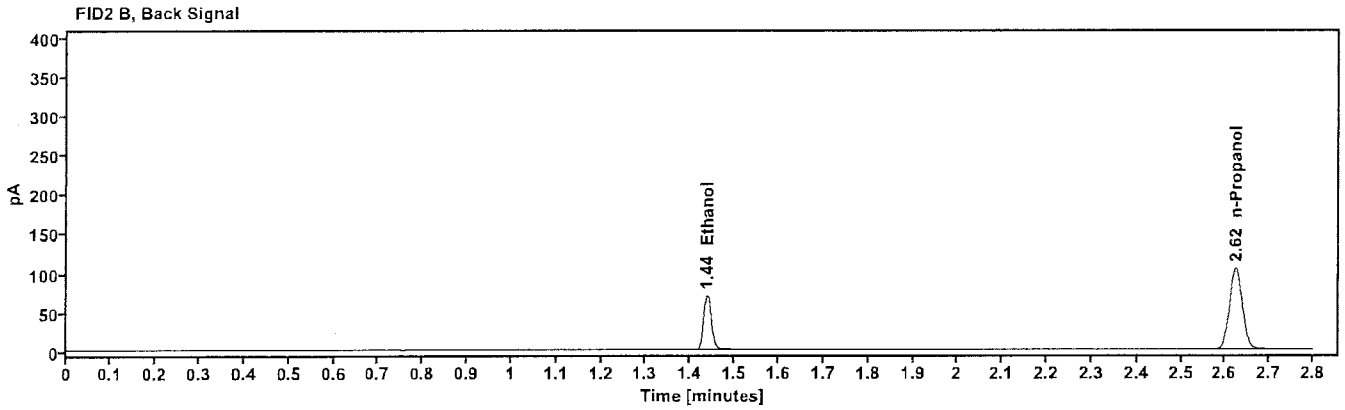

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1002	1.292	81.102
n-Propanol	-----	2.164	208.585

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

Compound	Time (min)	Peak Area
Ethanol	1.438	84.125
n-Propanol	2.624	216.047

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	31
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:48:28 PM
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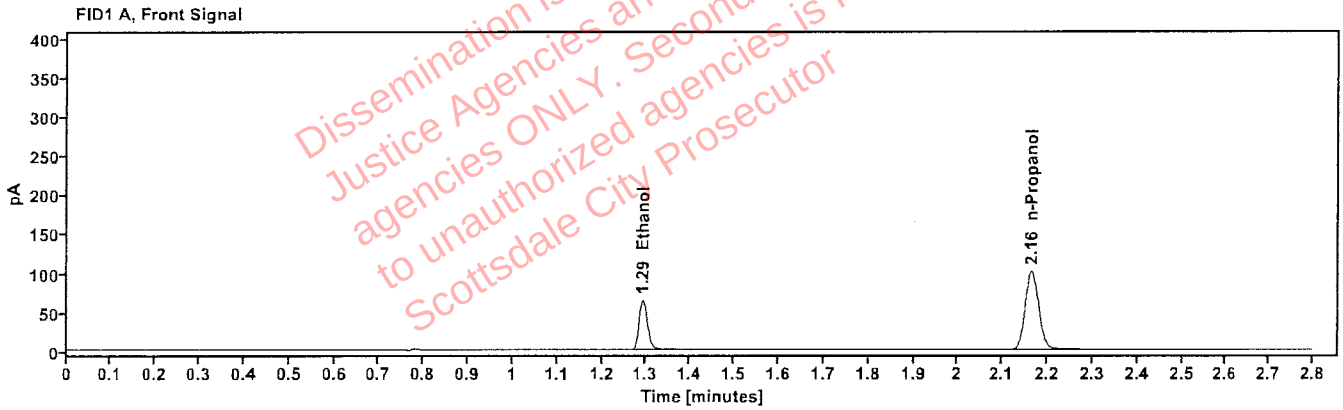

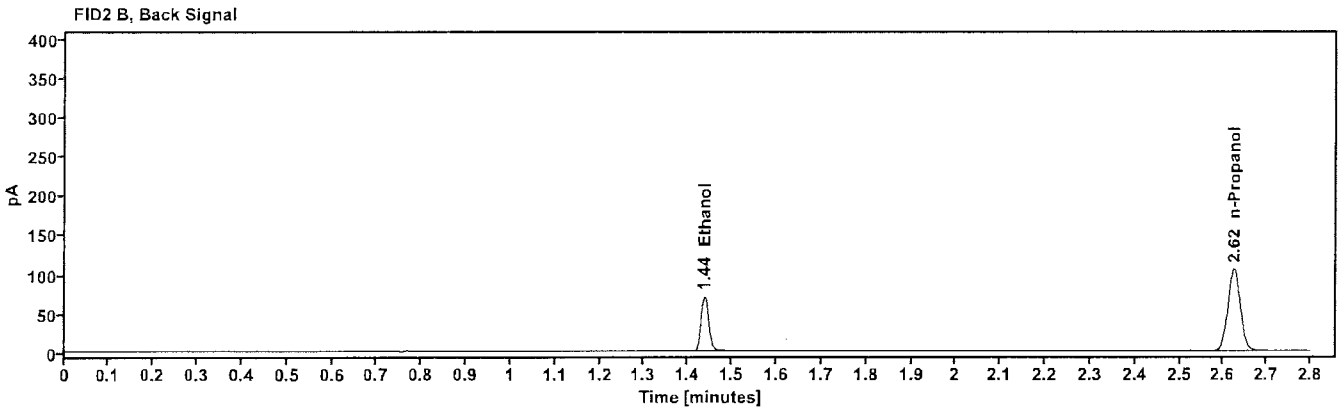

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1001	1.292	81.602
n-Propanol	-----	2.164	210.034

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

Compound	Time (min)	Peak Area
Ethanol	1.438	84.764
n-Propanol	2.624	217.737

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	42
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:31:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\42.D	**Analyst:**	Arroyo

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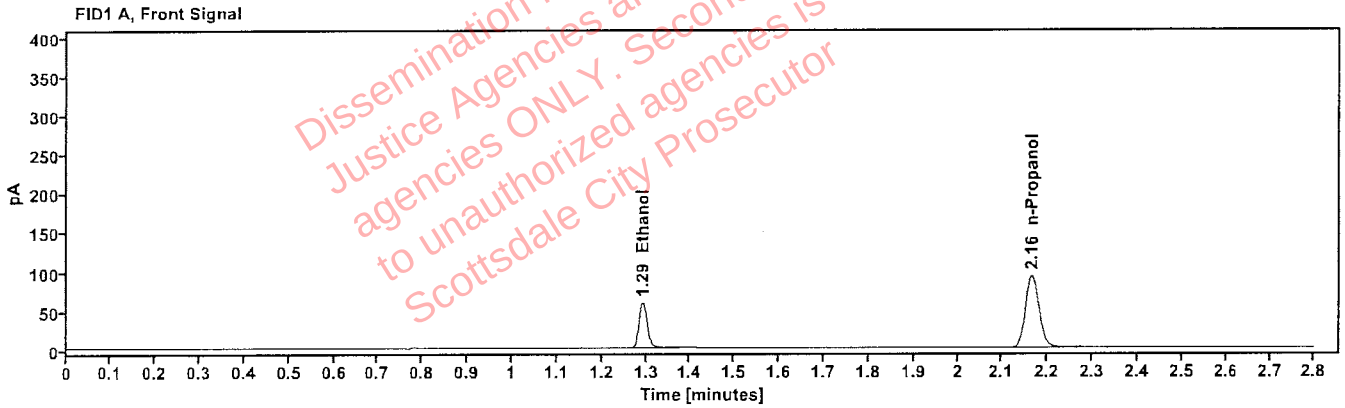

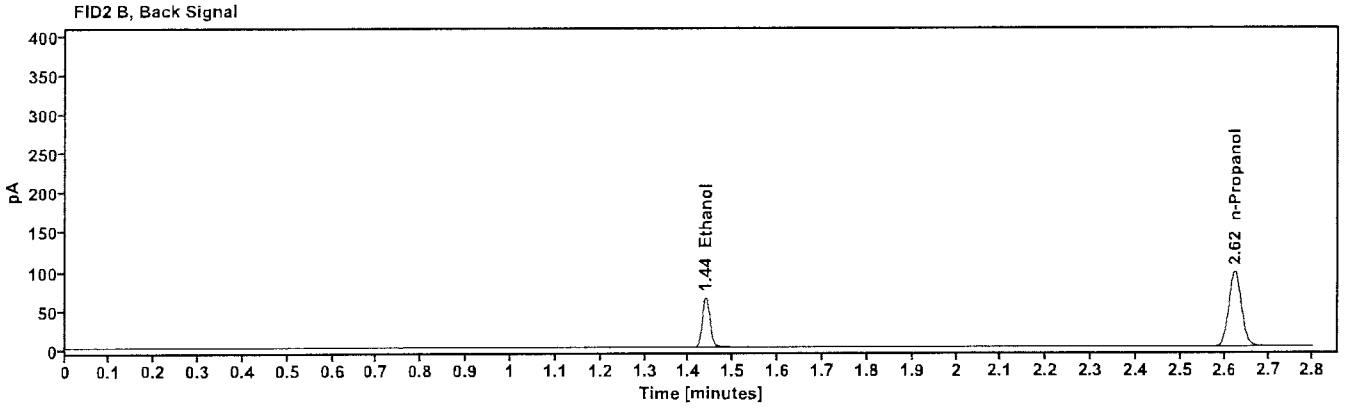

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0995	1.292	74.326
n-Propanol	-----	2.164	192.392

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

Compound	Time (min)	Peak Area
Ethanol	1.438	77.136
n-Propanol	2.624	199.174

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	53
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:15:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\53.D	**Analyst:**	Arroyo

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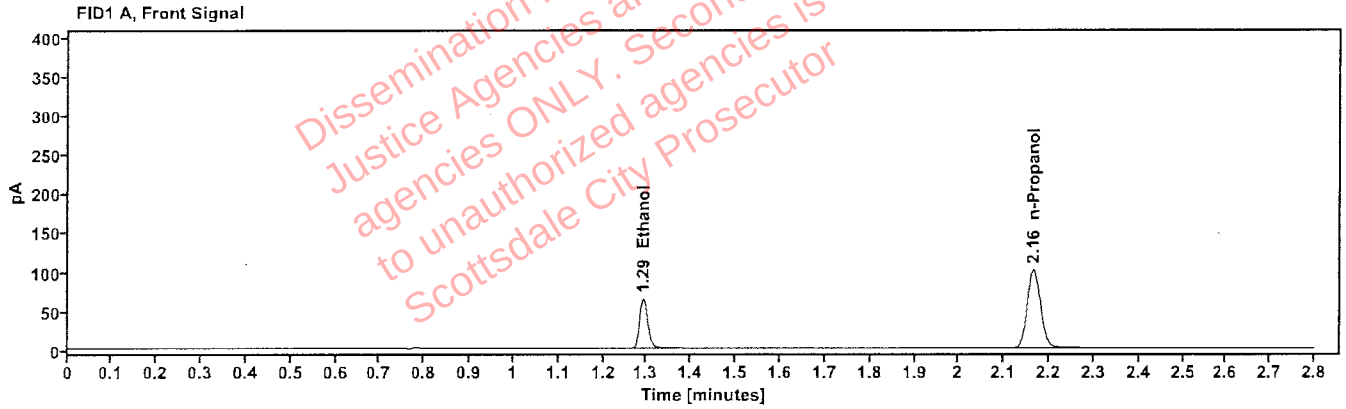

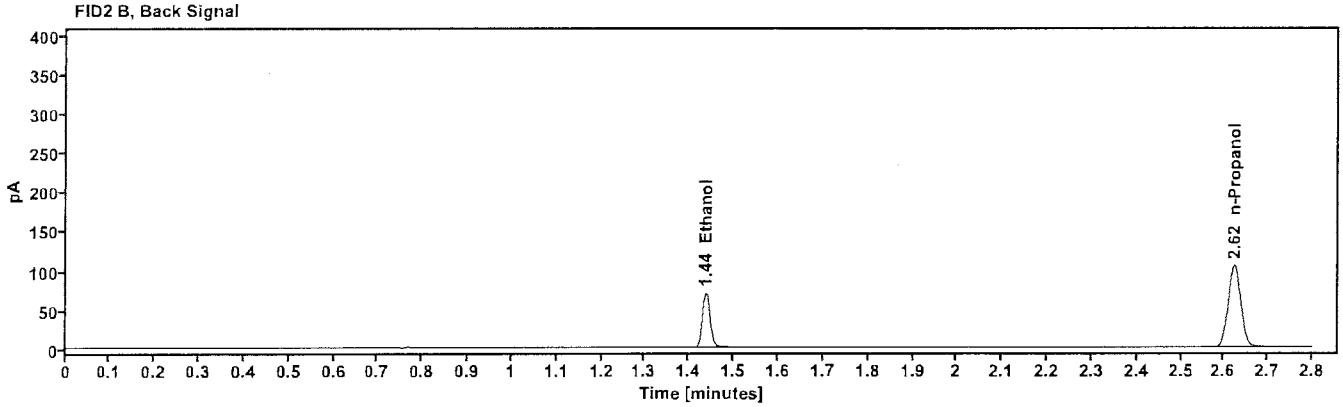

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1002	1.292	81.558
n-Propanol	-----	2.164	209.620

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

Compound	Time (min)	Peak Area
Ethanol	1.438	84.569
n-Propanol	2.624	217.131

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1475825	**Vial:**	64
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:59:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\64.D	**Analyst:**	Arroyo

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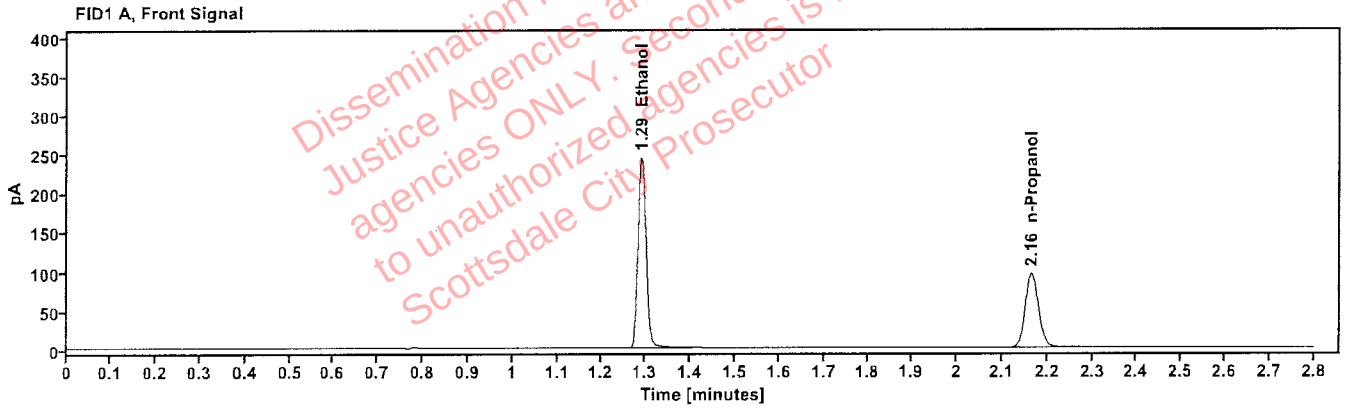

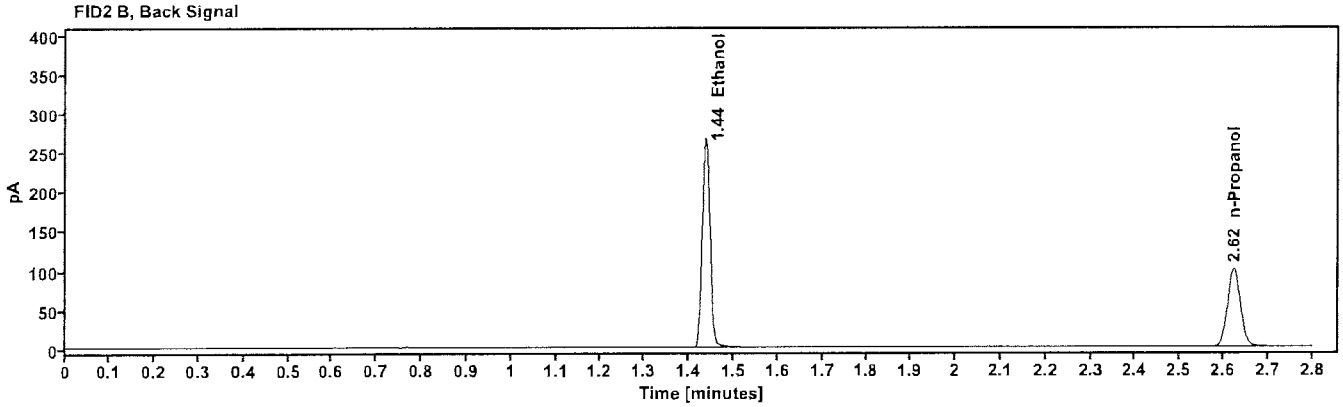

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.4005	1.291	311.488
n-Propanol	----	2.164	199.505

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

Compound	Time (min)	Peak Area
Ethanol	1.437	323.114
n-Propanol	2.624	206.712

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	529862	**Vial:**	65
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 3:03:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\65.D	**Analyst:**	Arroyo

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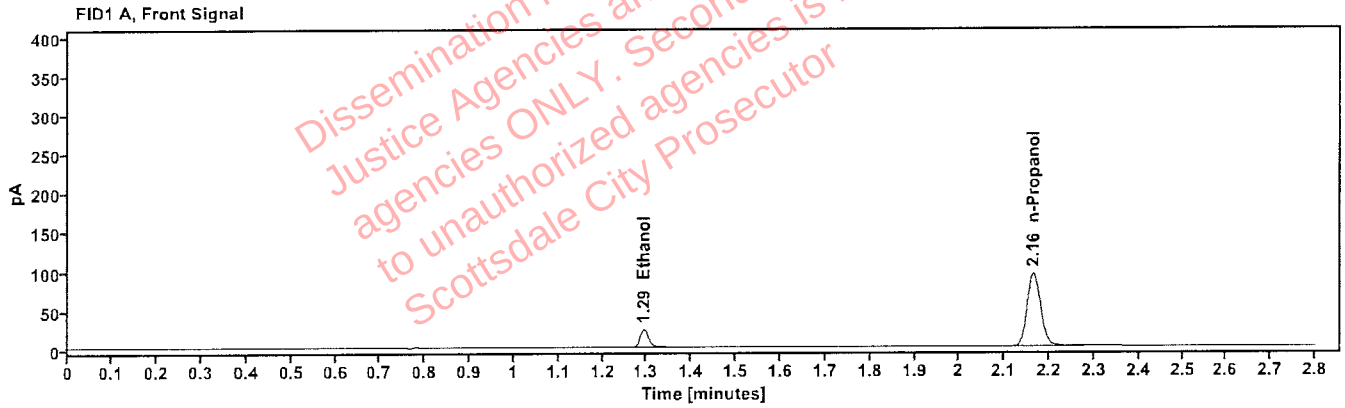

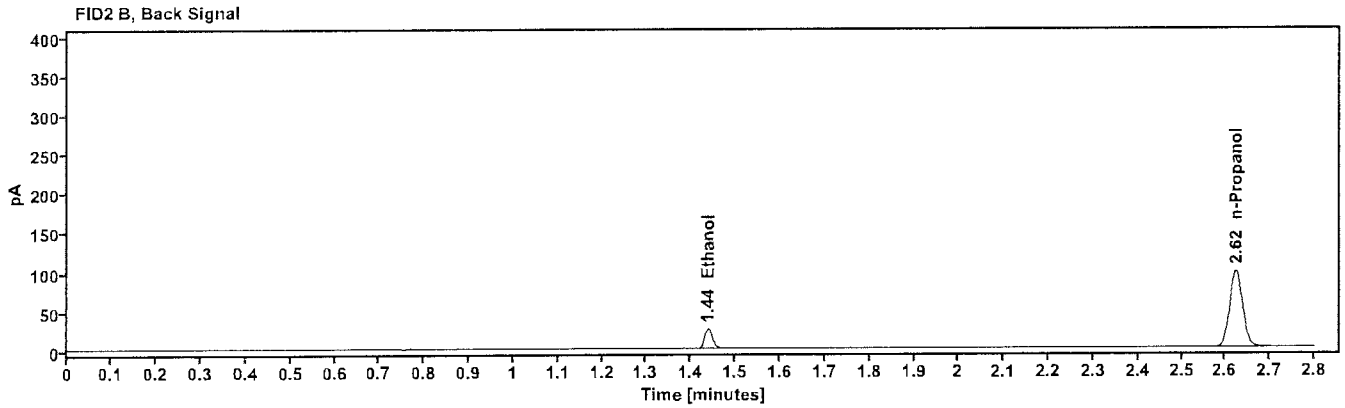

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0394	1.293	29.644
n-Propanol	----	2.164	195.720

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

Compound	Time (min)	Peak Area
Ethanol	1.439	30.874
n-Propanol	2.624	202.812

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4190425129/6	**Vial:**	66
Description:	0.201	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 3:07:29 PM
Data file:	C:\Chem32\1\Data\16Oct26\66.D	**Analyst:**	Arroyo

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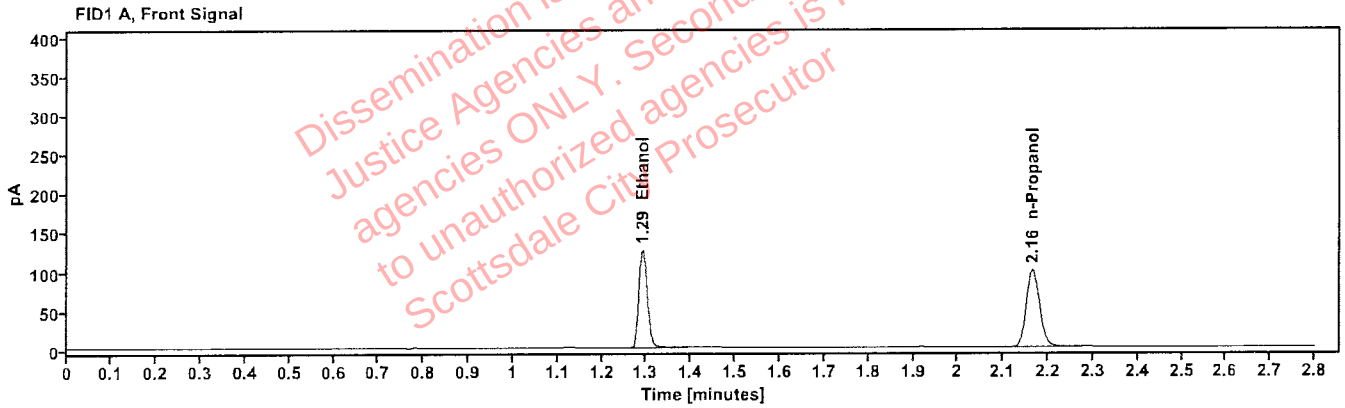

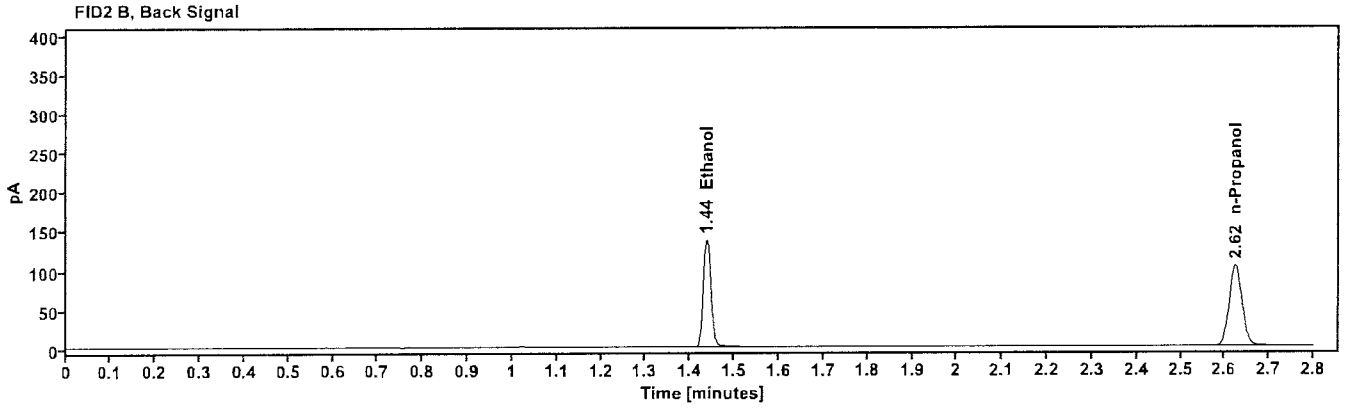

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1988	1.292	160.122
n-Propanol	-----	2.164	206.944

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

Compound	Time (min)	Peak Area
Ethanol	1.438	165.957
n-Propanol	2.624	214.289

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	092926AQ	**Vial:**	67
Description:	negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 3:12:29 PM
Data file:	C:\Chem32\1\Data\16Oct26\67.D	**Analyst:**	Arroyo

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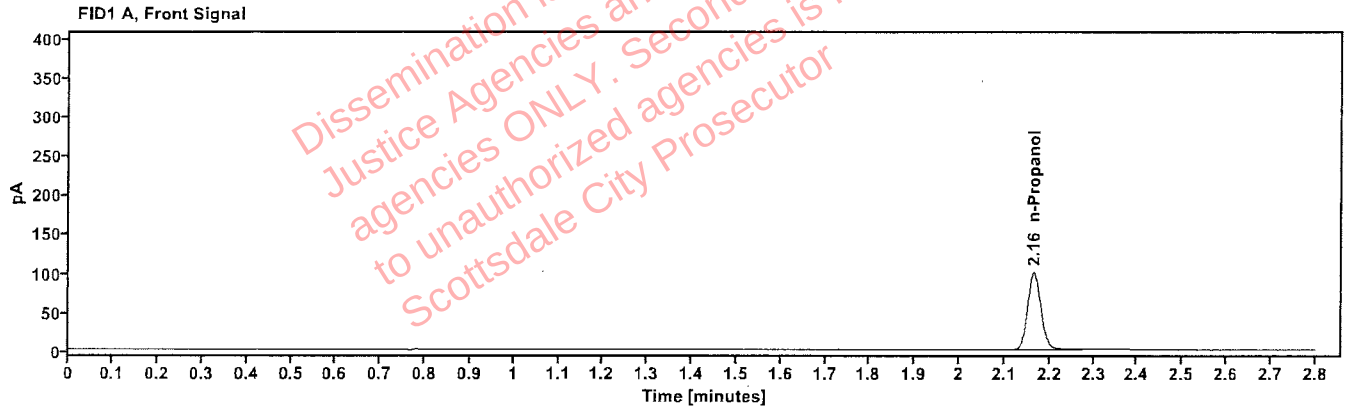

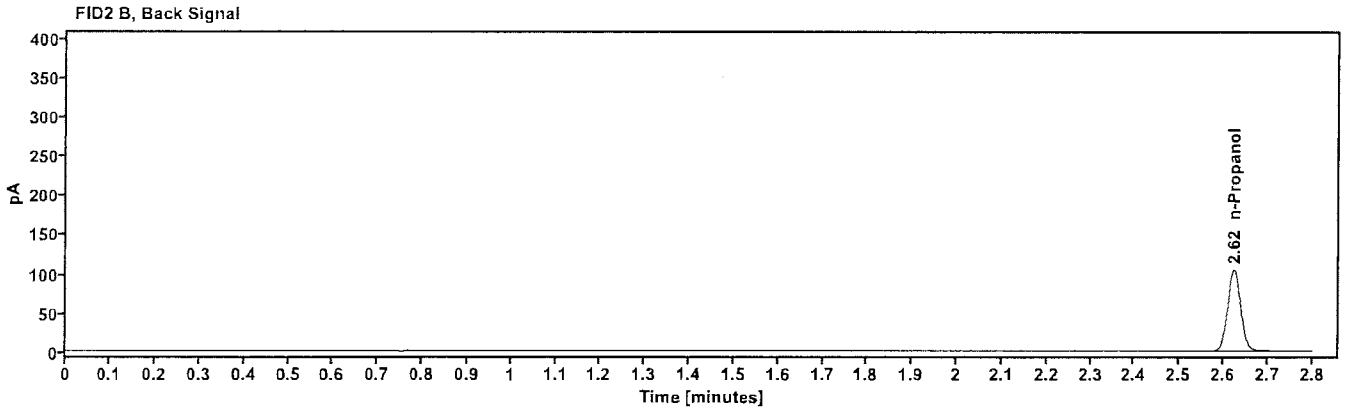

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.164	208.364

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

Compound	Time (min)	Peak Area
n-Propanol	2.624	215.991

Sequence Summary

Sequence name: 16Oct26 **Instrument:** US2320A024 US23180007 **Analyst:** Arroyo

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03062417	0.020 Calibrator	Calibration		ethanol quant.M
2	FN04042408	0.100 Calibrator	Calibration		ethanol quant.M
3	FN07012401	0.200 Calibrator	Calibration		ethanol quant.M
4	FN04092401	0.400 Calibrator	Calibration		ethanol quant.M
5	061026WB	negative	Control		ethanol quant.M
6	031726MIX	Volatile Mix	Control		ethanol quant.M
7	C1475825	0.400	Control		ethanol quant.M
8	529862	0.040	Control		ethanol quant.M
9	4190425129/6	0.201	Control		ethanol quant.M
10	2620184-2	[redacted]	Sample	[redacted]	ethanol quant.M
11	2620184-2		Sample		ethanol quant.M
12	427-01R.I.		Sample		ethanol quant.M
13	427-01R.I.		Sample		ethanol quant.M
14	409-01J.O.		Sample		ethanol quant.M
15	409-01J.O.		Sample		ethanol quant.M
16	426-01D.S.		Sample		ethanol quant.M
17	426-01D.S.		Sample		ethanol quant.M
18	436-01H.H.		Sample		ethanol quant.M
19	436-01H.H.		Sample		ethanol quant.M
20	C1455120	0.100	Control		ethanol quant.M
21	456-01K.Y.	[redacted]	Sample	[redacted]	ethanol quant.M
22	456-01K.Y.		Sample		ethanol quant.M
23	387-01D.R.		Sample		ethanol quant.M
24	387-01D.R.		Sample		ethanol quant.M
25	460-01R.S.		Sample		ethanol quant.M
26	460-01R.S.		Sample		ethanol quant.M
27	457-01B.H.		Sample		ethanol quant.M
28	457-01B.H.		Sample		ethanol quant.M
29	2620333-2		Sample		ethanol quant.M
30	2620333-2		Sample		ethanol quant.M
31	C1455120	0.100	Control		ethanol quant.M
32	2620349-2	[redacted]	Sample	[redacted]	ethanol quant.M
33	2620349-2		Sample		ethanol quant.M
34	2618550-2		Sample		ethanol quant.M
35	2618550-2		Sample		ethanol quant.M
36	2618599-2		Sample		ethanol quant.M
37	2618599-2		Sample		ethanol quant.M
38	2620034-1		Sample		ethanol quant.M
39	2620034-1		Sample		ethanol quant.M
40	2620173-1		Sample		ethanol quant.M
41	2620173-1		Sample		ethanol quant.M
42	C1455120	0.100	Control		ethanol quant.M
43	2620506-2	[redacted]	Sample	[redacted]	ethanol quant.M
44	2620506-2		Sample		ethanol quant.M
45	2620493-2		Sample		ethanol quant.M
46	2620493-2		Sample		ethanol quant.M
47	2620502-2		Sample		ethanol quant.M

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Sequence Summary

agn

48	2620502-2	[redacted]	Sample	[redacted]	ethanol quant.M
49	2612967-1		Sample		ethanol quant.M
50	2612967-1		Sample		ethanol quant.M
51	2620572-1		Sample		ethanol quant.M
52	2620572-1		Sample		ethanol quant.M
53	C1455120	0.100	Control		ethanol quant.M
54	2620575-2	[redacted]	Sample	[redacted]	ethanol quant.M
55	2620575-2		Sample		ethanol quant.M
56	2620643-2		Sample		ethanol quant.M
57	2620643-2		Sample		ethanol quant.M
58	2619828-1		Sample		ethanol quant.M
59	2619828-1		Sample		ethanol quant.M
60	2620767-3		Sample		ethanol quant.M
61	2620767-3		Sample		ethanol quant.M
62	2620710-1		Sample		ethanol quant.M
63	2620710-1		Sample		ethanol quant.M
64	C1475825	0.400	Control		ethanol quant.M
65	529862	0.040	Control		ethanol quant.M
66	4190425129/6	0.201	Control		ethanol quant.M
67	092926AQ	negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory
Summary of Cases

SEQUENCE NAME: 16Oct26 **ANALYST: Arroyo**

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference(g/dL)*
10 11	0.0743	0.0721	0.07320	1.50	0.00110
12 13	0.1499	0.1534	0.15165	1.15	0.00175
14 15	0.2385	0.2372	0.23785	0.27	0.00065
16 17	0.2260	0.2254	0.22570	0.13	0.00030
18 19	0.1587	0.1584	0.15855	0.09	0.00015
21 22	0.2052	0.2046	0.20490	0.15	0.00030
23 24	0.1058	0.1059	0.10585	0.05	0.00005
25 26	0.0739	0.0737	0.07380	0.14	0.00010
27 28	0.2157	0.2158	0.21575	0.02	0.00005
29 30	0.1648	0.1645	0.16465	0.09	0.00015
32 33	0.1744	0.1733	0.17385	0.32	0.00055
34 35	0.1303	0.1301	0.13020	0.08	0.00010
36 37	0.1039	0.1035	0.10370	0.19	0.00020
38 39	0.1137	0.1134	0.11355	0.13	0.00015
40 41	0.1363	0.1357	0.13600	0.22	0.00030
43 44	0.1495	0.1493	0.14940	0.07	0.00010
45 46	0.1393	0.1382	0.13875	0.40	0.00055
47 48	0.1900	0.1903	0.19015	0.08	0.00015
49 50	0.0973	0.0975	0.09740	0.10	0.00010
51 52	0.1019	0.1018	0.10185	0.05	0.00005
54 55	0.2087	0.2087	0.20870	0.00	0.00000
56 57	0.1467	0.1464	0.14655	0.10	0.00015
58 59	0.2529	0.2523	0.25260	0.12	0.00030
60 61	0.0906	0.0907	0.09065	0.06	0.00005
62 63	0.1862	0.1859	0.18605	0.08	0.00015

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

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Scottsdale Forensic Lab
Blood Alcohol Pipetting Log

ANALYST: Arroyo **SEQUENCE:** 16Oct26 aja

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2620184-2	2620184-2	2620184-2	Yes
Vials 12 and 13	427-01R.I.	427-01R.I.	427-01R.I.	Yes
Vials 14 and 15	409-01J.O.	409-01J.O.	409-01J.O.	Yes
Vials 16 and 17	426-01D.S.	426-01D.S.	426-01D.S.	Yes
Vials 18 and 19	436-01H.H.	436-01H.H.	436-01H.H.	Yes
Vials 21 and 22	456-01K.Y.	456-01K.Y.	456-01K.Y.	Yes
Vials 23 and 24	387-01D.R.	387-01D.R.	387-01D.R.	Yes
Vials 25 and 26	460-01R.S.	460-01R.S.	460-01R.S.	Yes
Vials 27 and 28	457-01B.H.	457-01B.H.	457-01B.H.	Yes
Vials 29 and 30	2620333-2	2620333-2	2620333-2	Yes
Vials 32 and 33	2620349-2	2620349-2	2620349-2	Yes
Vials 34 and 35	2618550-2	2618550-2	2618550-2	Yes
Vials 36 and 37	2618599-2	2618599-2	2618599-2	Yes
Vials 38 and 39	2620034-1	2620034-1	2620034-1	Yes
Vials 40 and 41	2620173-1	2620173-1	2620173-1	Yes
Vials 43 and 44	2620506-2	2620506-2	2620506-2	Yes
Vials 45 and 46	2620493-2	2620493-2	2620493-2	Yes
Vials 47 and 48	2620502-2	2620502-2	2620502-2	Yes
Vials 49 and 50	2612967-1	2612967-1	2612967-1	Yes
Vials 51 and 52	2620572-1	2620572-1	2620572-1	Yes
Vials 54 and 55	2620575-2	2620575-2	2620575-2	Yes
Vials 56 and 57	2620643-2	2620643-2	2620643-2	Yes
Vials 58 and 59	2619828-1	2619828-1	2619828-1	Yes
Vials 60 and 61	2620767-3	2620767-3	2620767-3	Yes
Vials 62 and 63	2620710-1	2620710-1	2620710-1	Yes

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[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620184-2	**Vial:**	10
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:23:53 AM
Data file:	C:\Chem32\1\Data\16Oct26\10.D	**Analyst:**	Arroyo

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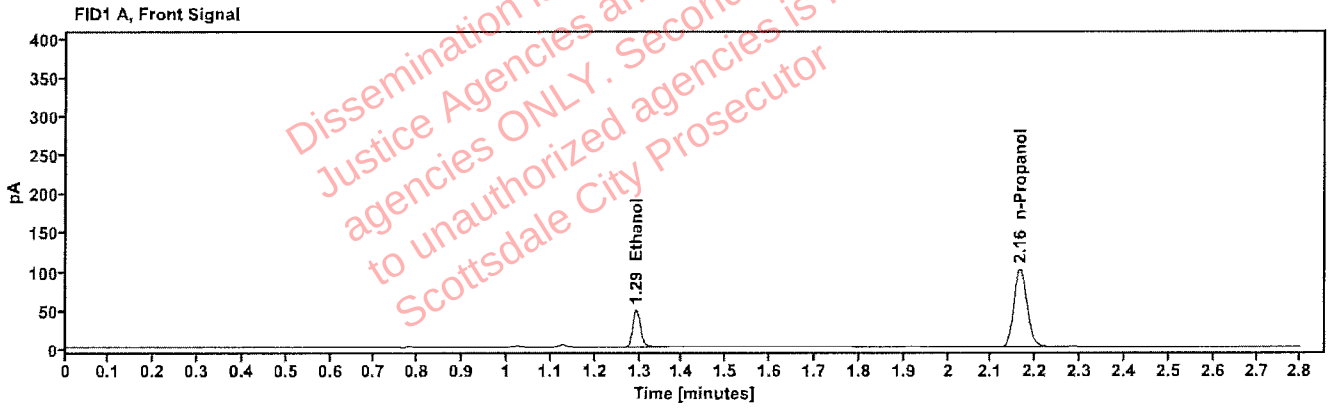

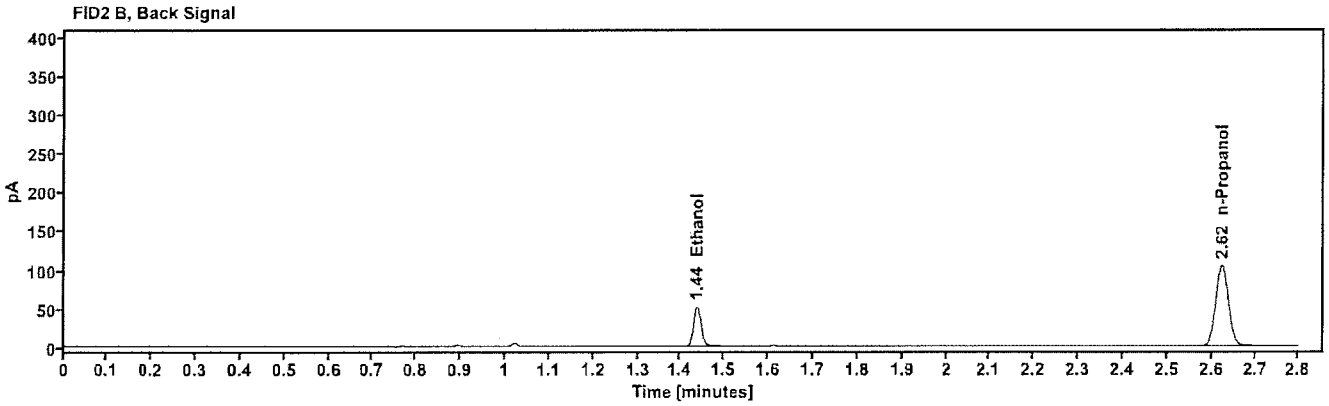

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0743	1.293	60.136
n-Propanol	-----	2.164	208.806

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

Compound	Time (min)	Peak Area
Ethanol	1.438	62.262
n-Propanol	2.624	216.139

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620184-2	**Vial:**	11
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:27:41 AM
Data file:	C:\Chem32\1\Data\16Oct26\11.D	**Analyst:**	Arroyo

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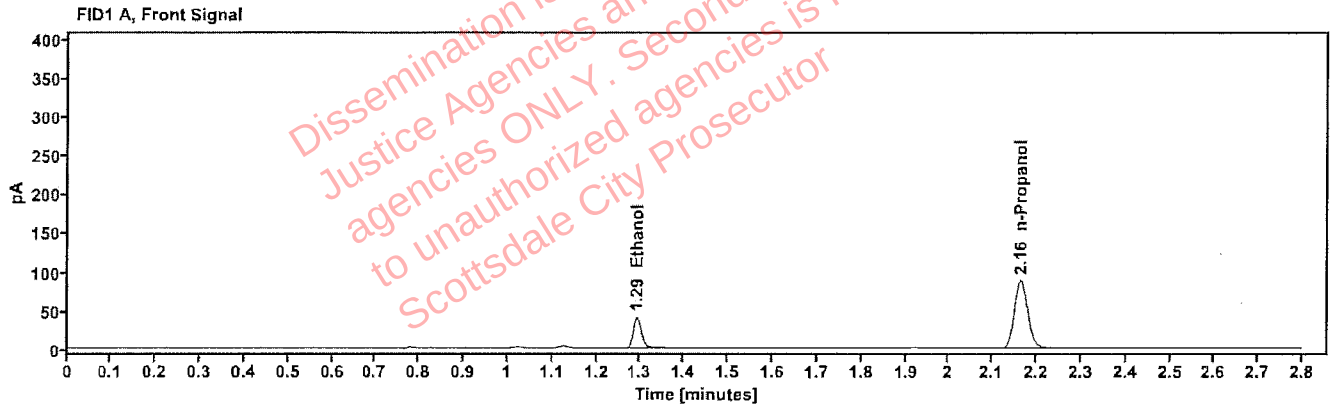

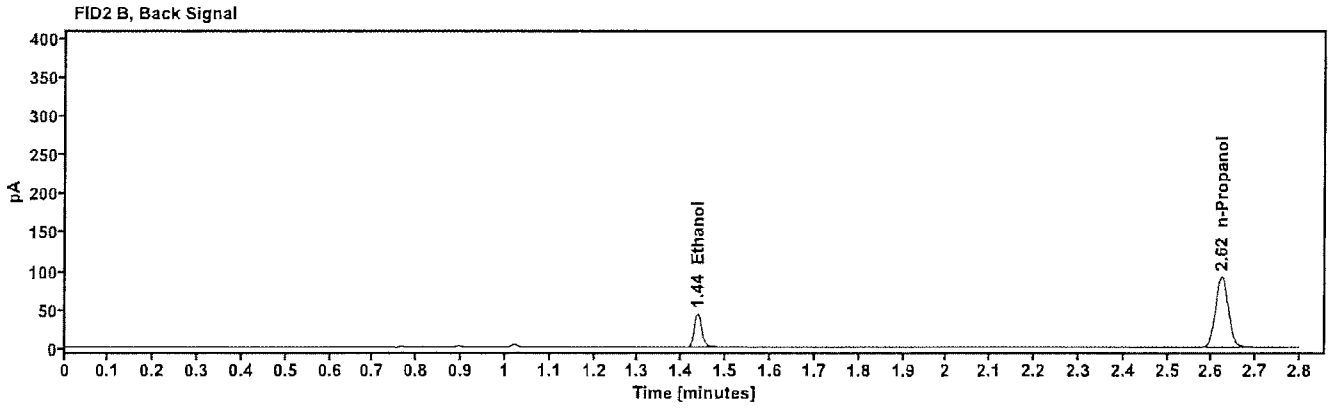

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0721	1.292	50.854
n-Propanol	-----	2.164	182.174

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

Compound	Time (min)	Peak Area
Ethanol	1.437	52.451
n-Propanol	2.623	188.742

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01R.I.	**Vial:**	12
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:31:28 AM
Data file:	C:\Chem32\1\Data\16Oct26\12.D	**Analyst:**	Arroyo

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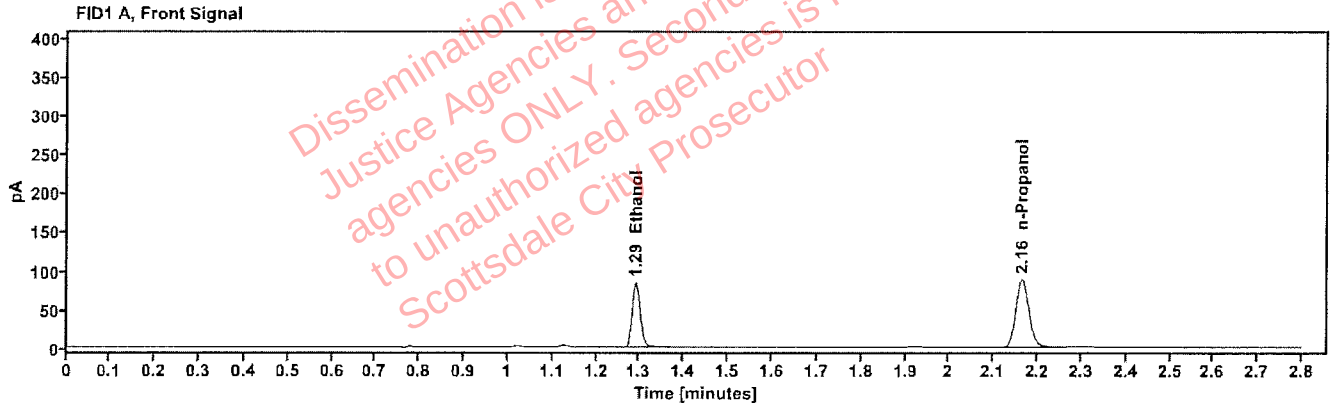

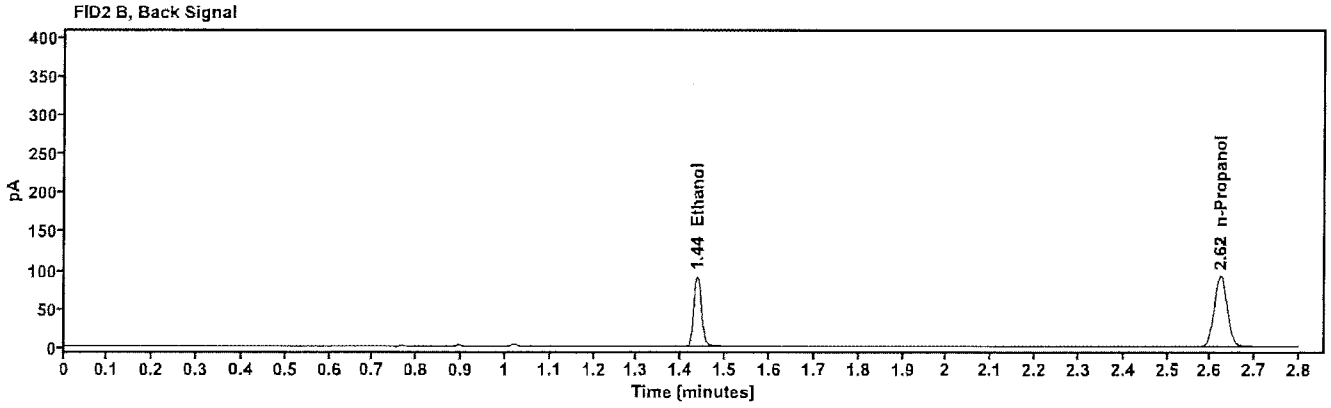

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1499	1.291	106.291
n-Propanol	------	2.164	182.352

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

Compound	Time (min)	Peak Area
Ethanol	1.437	110.036
n-Propanol	2.623	188.799

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	427-01R.I.	**Vial:**	13
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:36:29 AM
Data file:	C:\Chem32\1\Data\16Oct26\13.D	**Analyst:**	Arroyo

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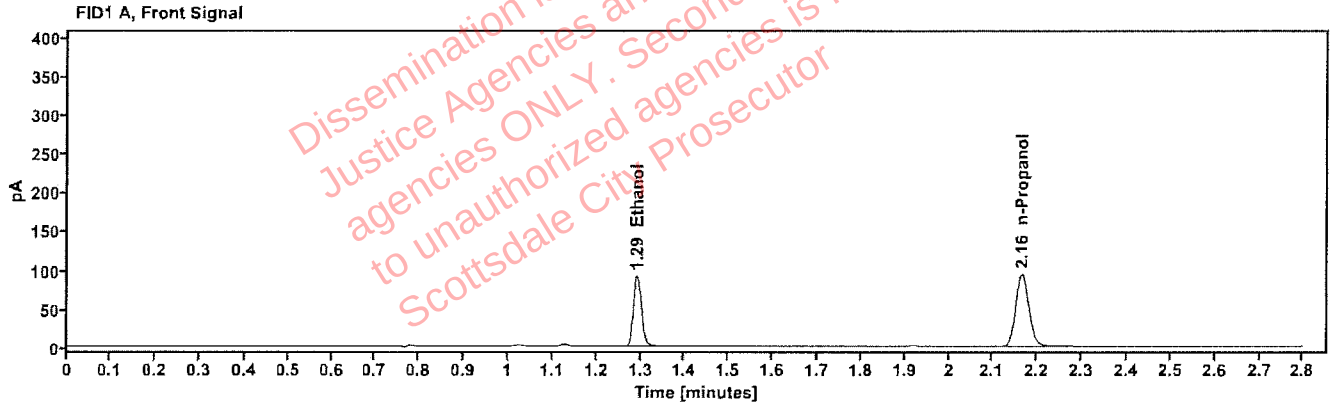

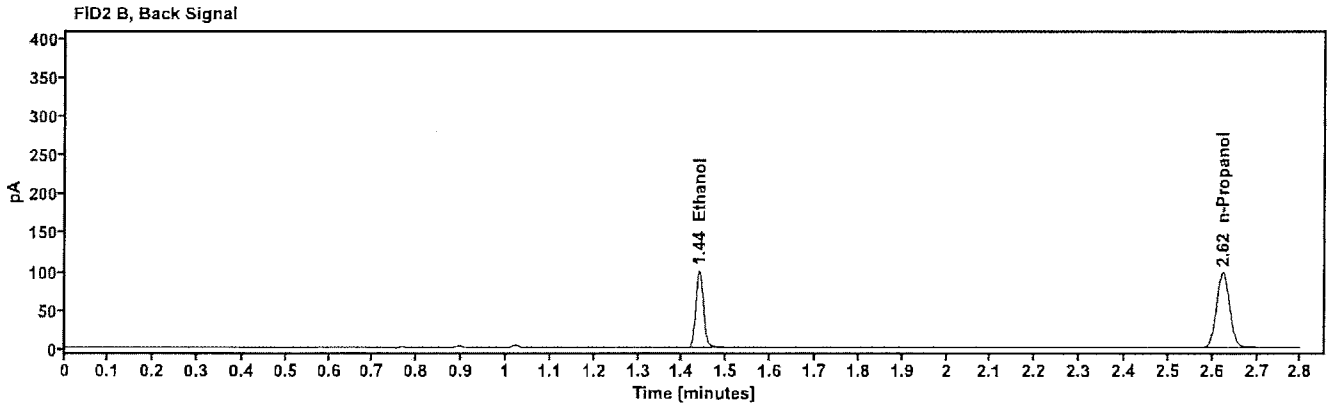

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1534	1.292	115.476
n-Propanol	-----	2.164	193.607

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

Compound	Time (min)	Peak Area
Ethanol	1.438	119.456
n-Propanol	2.624	200.520

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01J.O.	**Vial:**	14
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:40:17 AM
Data file:	C:\Chem32\1\Data\16Oct26\14.D	**Analyst:**	Arroyo

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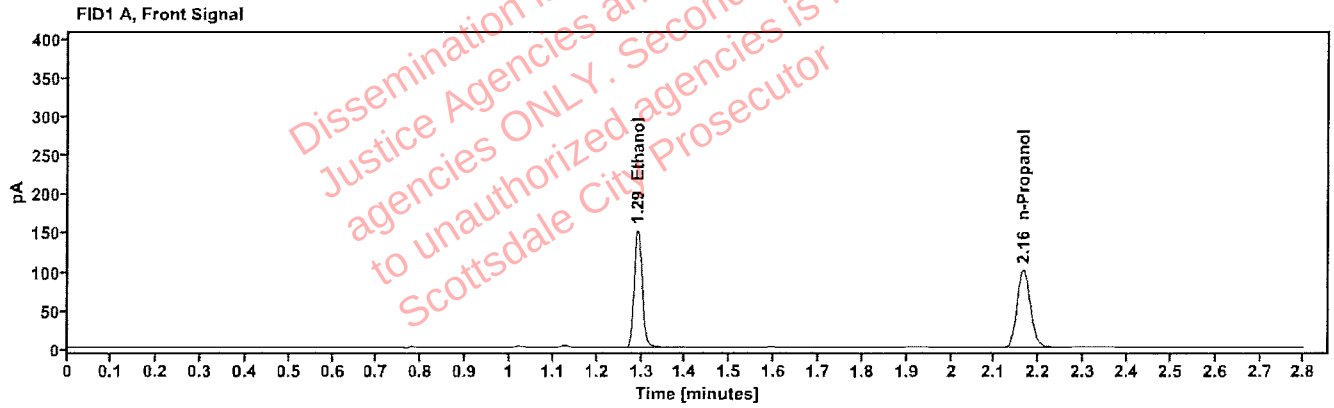

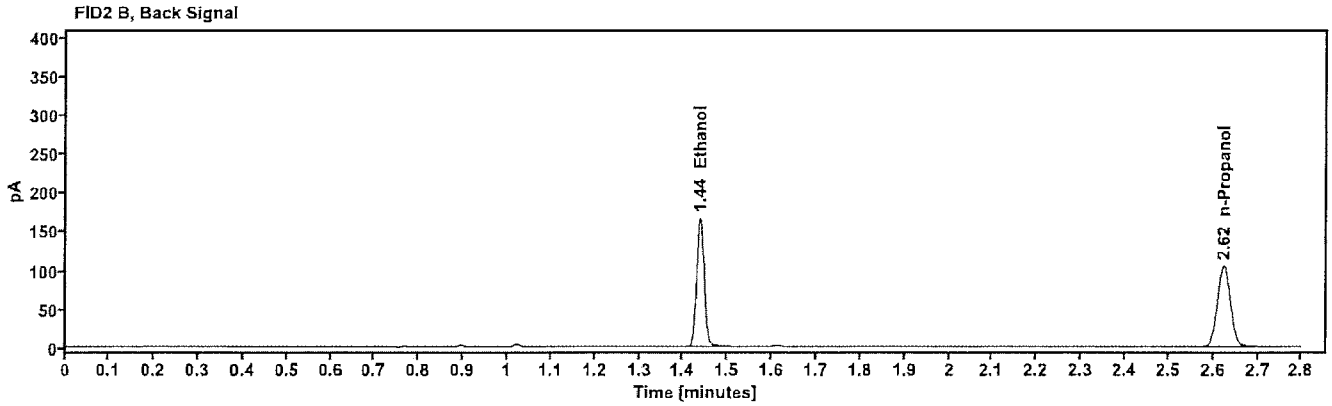

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2385	1.291	193.404
n-Propanol	-----	2.164	208.222

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

Compound	Time (min)	Peak Area
Ethanol	1.437	200.223
n-Propanol	2.624	215.148

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	409-01J.O.	**Vial:**	15
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:44:06 AM
Data file:	C:\Chem32\1\Data\16Oct26\15.D	**Analyst:**	Arroyo

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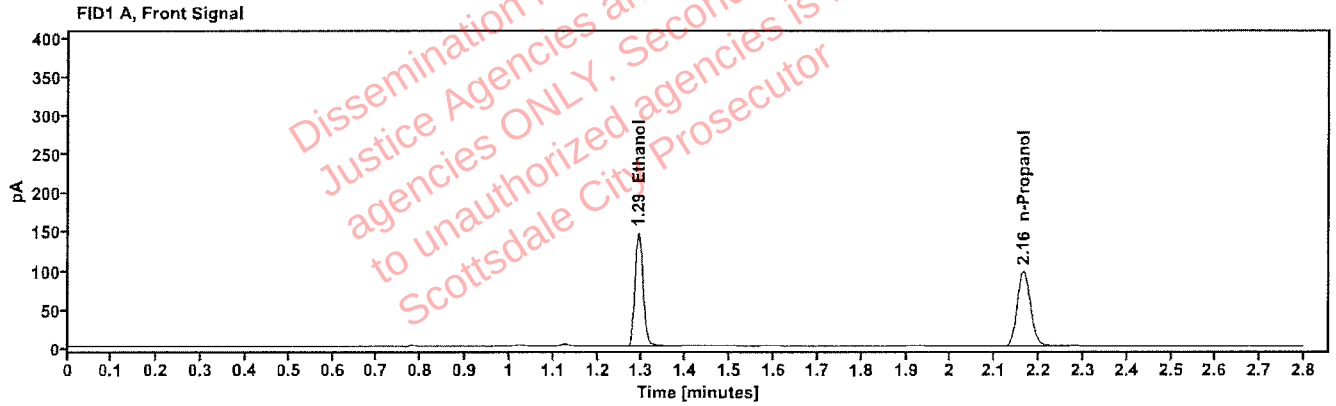

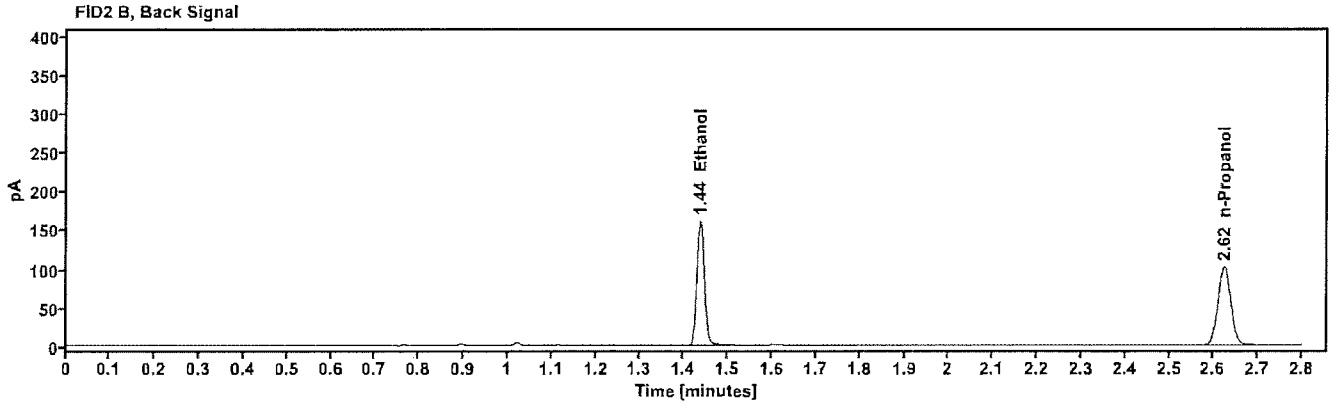

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2372	1.291	186.831
n-Propanol	-----	2.164	202.287

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

Compound	Time (min)	Peak Area
Ethanol	1.437	193.918
n-Propanol	2.624	209.124

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	426-01D.S.	**Vial:**	16
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:47:54 AM
Data file:	C:\Chem32\1\Data\16Oct26\16.D	**Analyst:**	Arroyo

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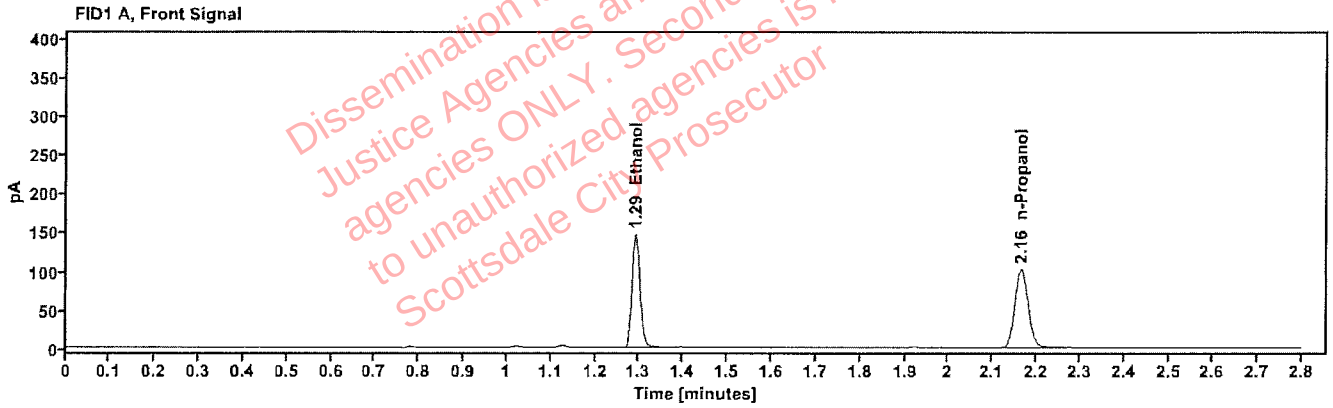

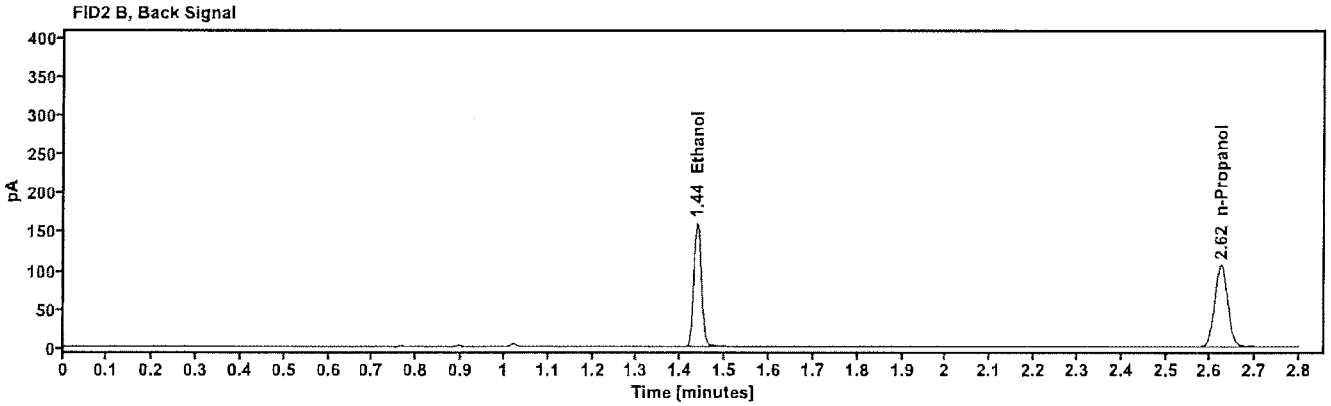

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2260	1.291	185.475
n-Propanol	-----	2.164	210.732

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

Compound	Time (min)	Peak Area
Ethanol	1.438	192.467
n-Propanol	2.624	218.325

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	426-01D.S.	**Vial:**	17
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:51:42 AM
Data file:	C:\Chem32\1\Data\16Oct26\17.D	**Analyst:**	Arroyo

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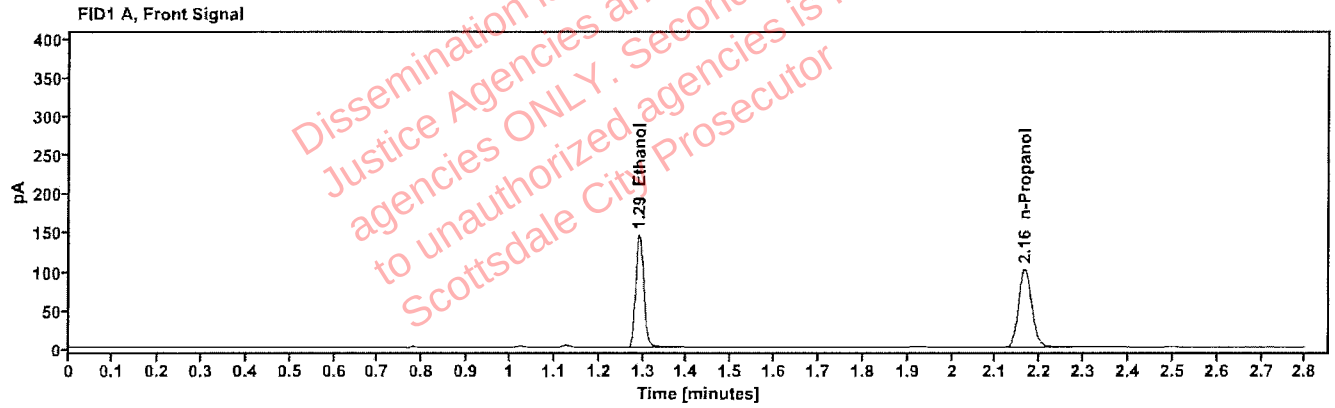

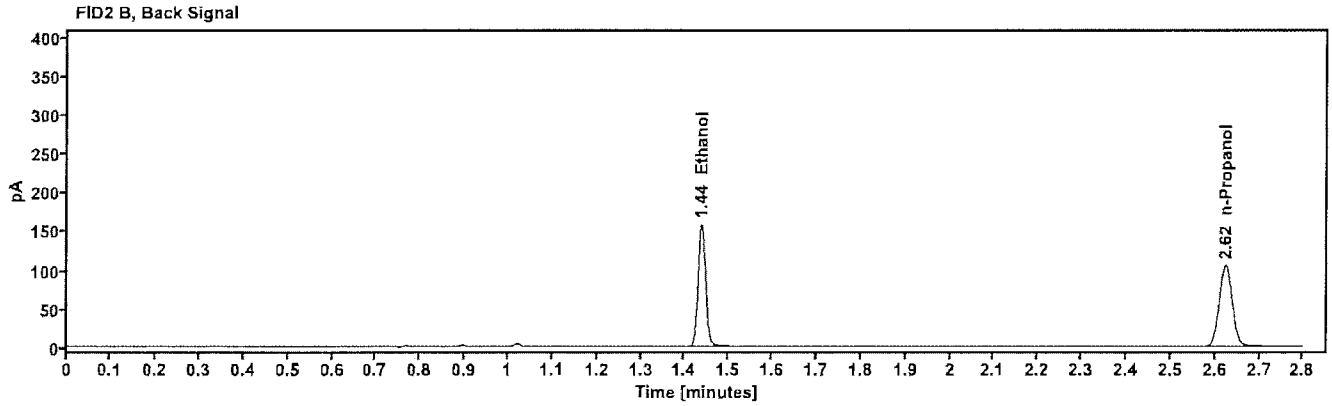

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2254	1.291	183.812
n-Propanol	------	2.164	209.458

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

Compound	Time (min)	Peak Area
Ethanol	1.438	190.461
n-Propanol	2.624	216.717

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01H.H.	**Vial:**	18
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 11:55:30 AM
Data file:	C:\Chem32\1\Data\16Oct26\18.D	**Analyst:**	Arroyo

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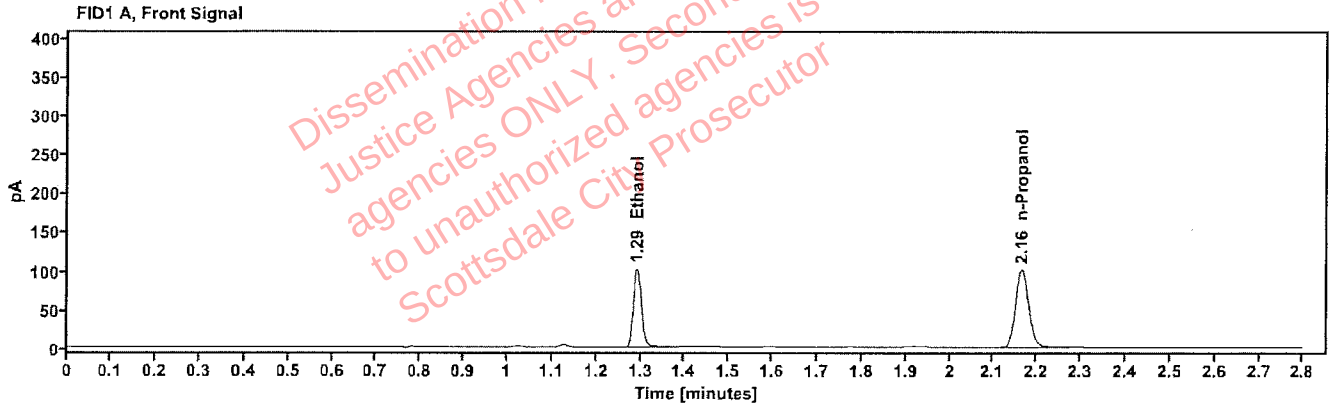

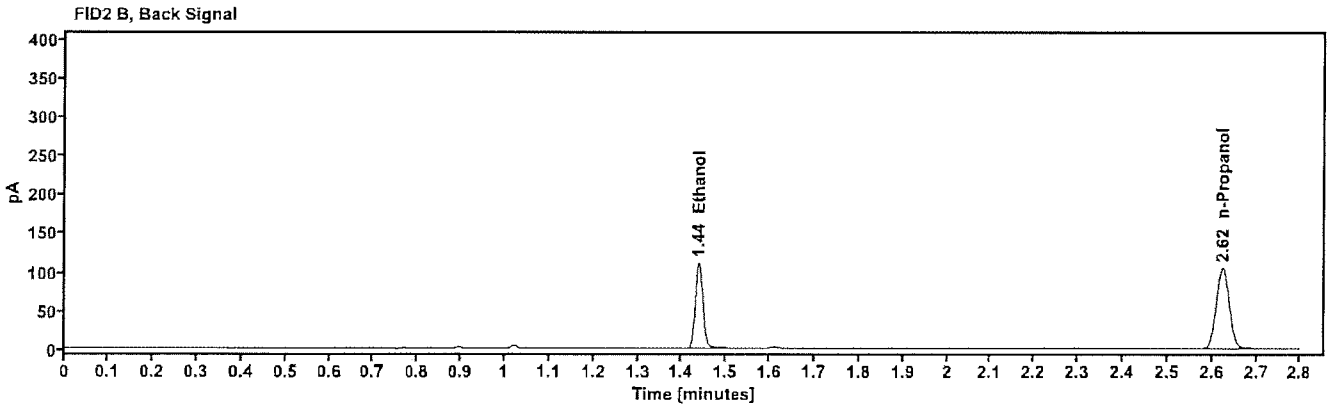

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1587	1.292	128.957
n-Propanol	------	2.164	208.872

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

Compound	Time (min)	Peak Area
Ethanol	1.438	133.252
n-Propanol	2.624	216.314

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	436-01H.H.	**Vial:**	19
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:00:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\19.D	**Analyst:**	Arroyo

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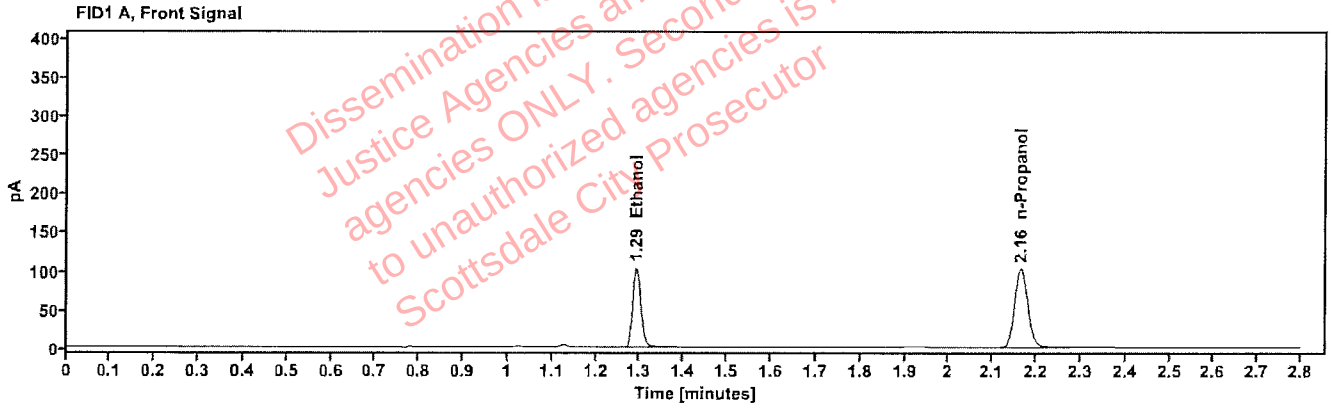

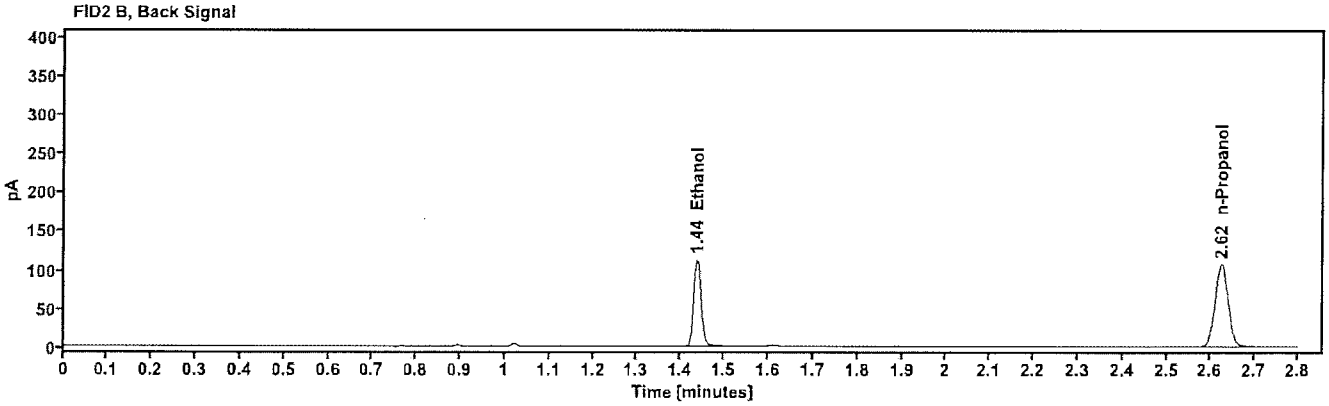

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1584	1.292	130.810
n-Propanol	-----	2.164	212.317

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

Compound	Time (min)	Peak Area
Ethanol	1.438	135.295
n-Propanol	2.624	219.893

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	456-01K.Y.	**Vial:**	21
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:08:06 PM
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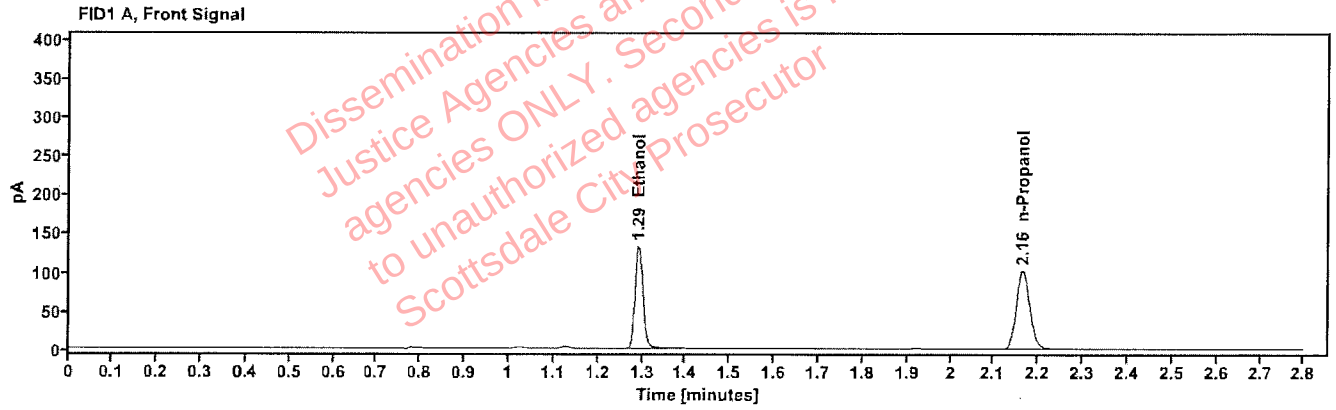

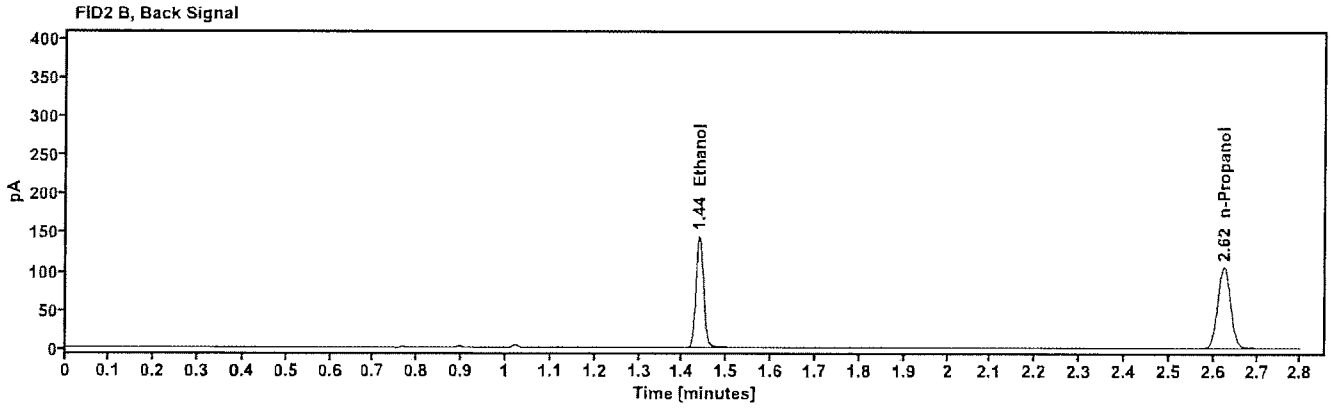

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2052	1.291	167.954
n-Propanol	----	2.164	210.299

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

Compound	Time (min)	Peak Area
Ethanol	1.438	174.368
n-Propanol	2.624	217.676

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	456-01K.Y.	**Vial:**	22
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:11:53 PM
Data file:	C:\Chem32\1\Data\16Oct26\22.D	**Analyst:**	Arroyo

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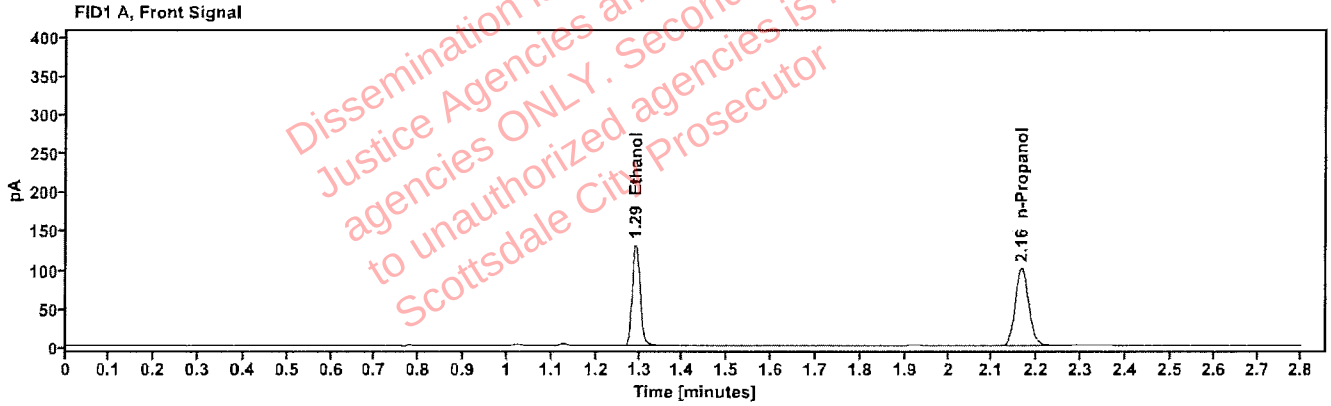

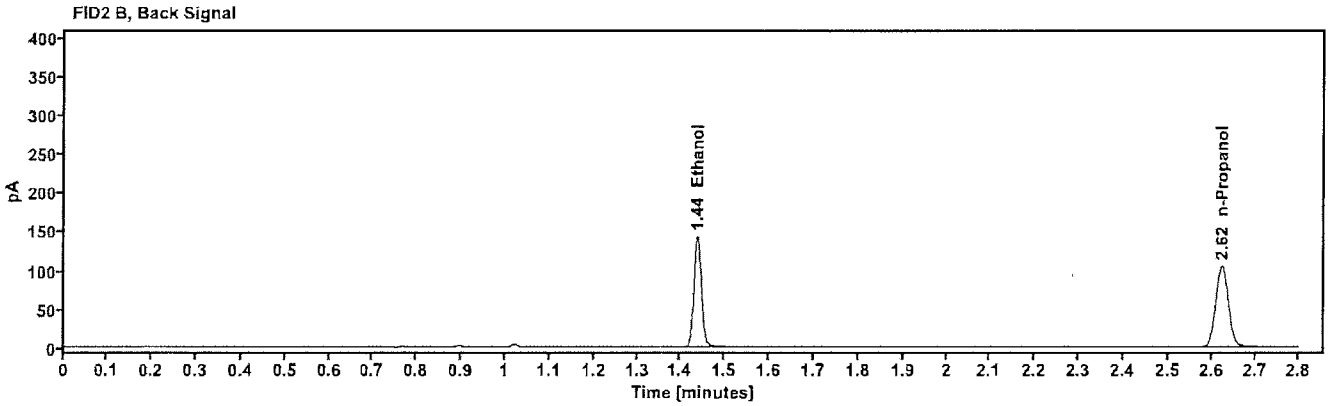

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2046	1.291	166.117
n-Propanol	-----	2.164	208.562

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

Compound	Time (min)	Peak Area
Ethanol	1.438	172.013
n-Propanol	2.624	215.823

[redacted] Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	387-01D.R.	**Vial:**	23
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:15:42 PM
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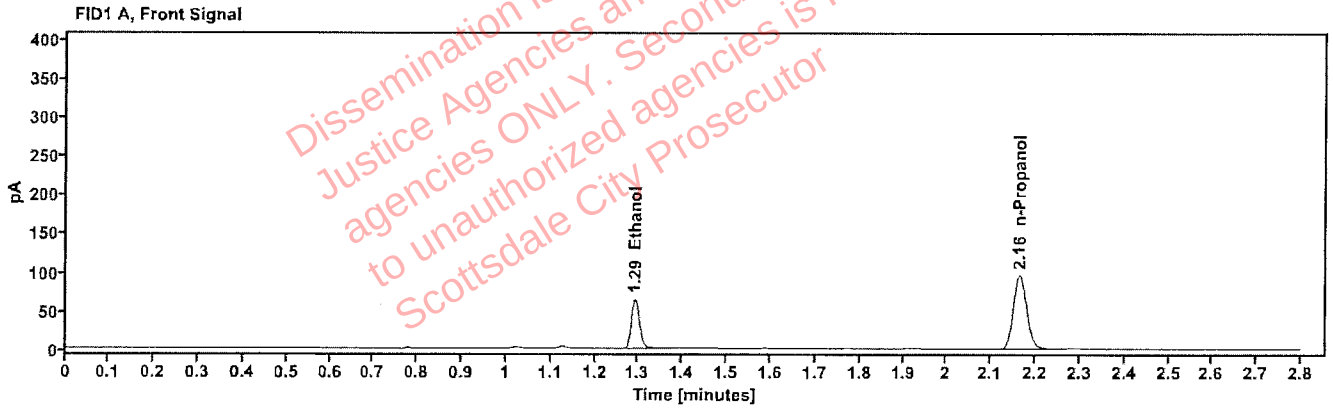

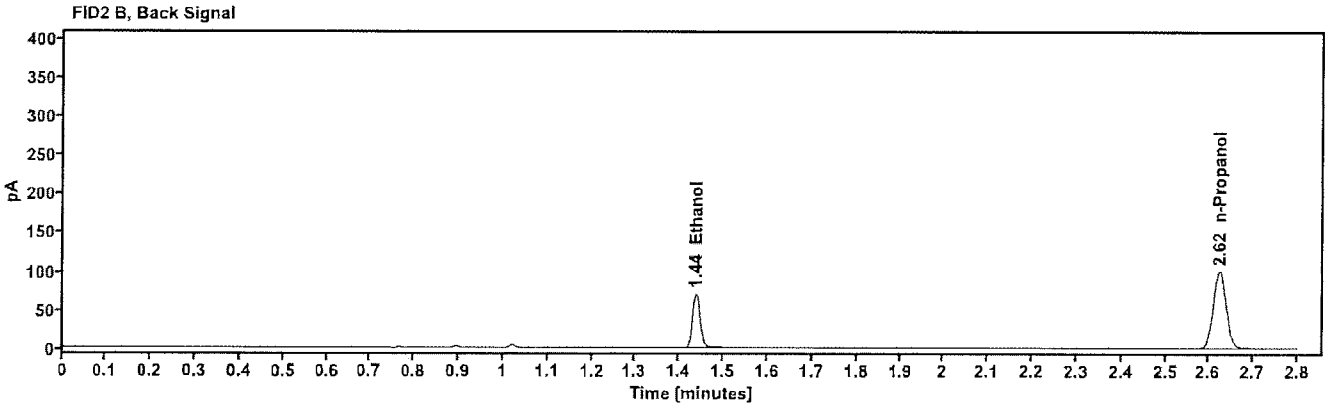

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1058	1.292	81.445
n-Propanol	------	2.164	198.224

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

Compound	Time (min)	Peak Area
Ethanol	1.438	84.217
n-Propanol	2.624	205.407

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	387-01D.R.	**Vial:**	24
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:19:30 PM
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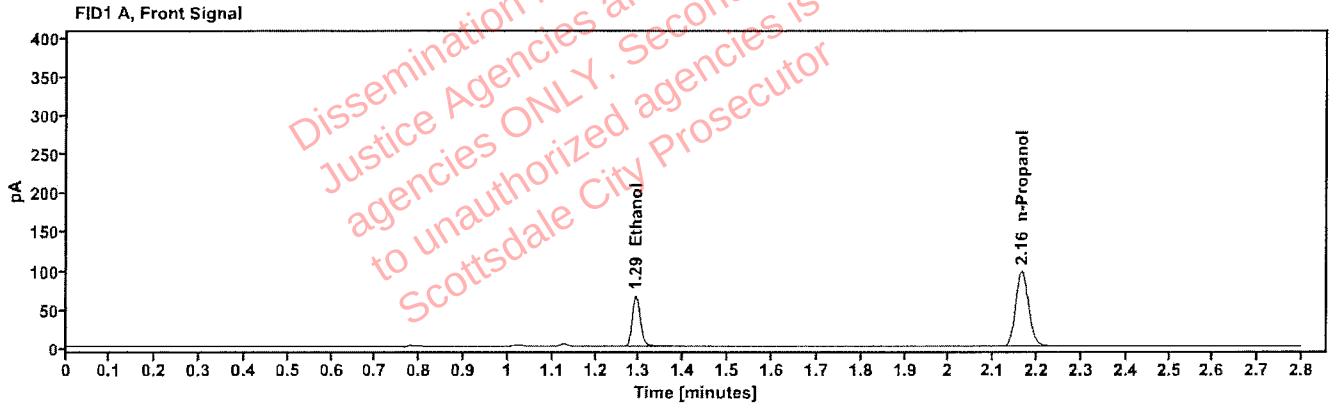

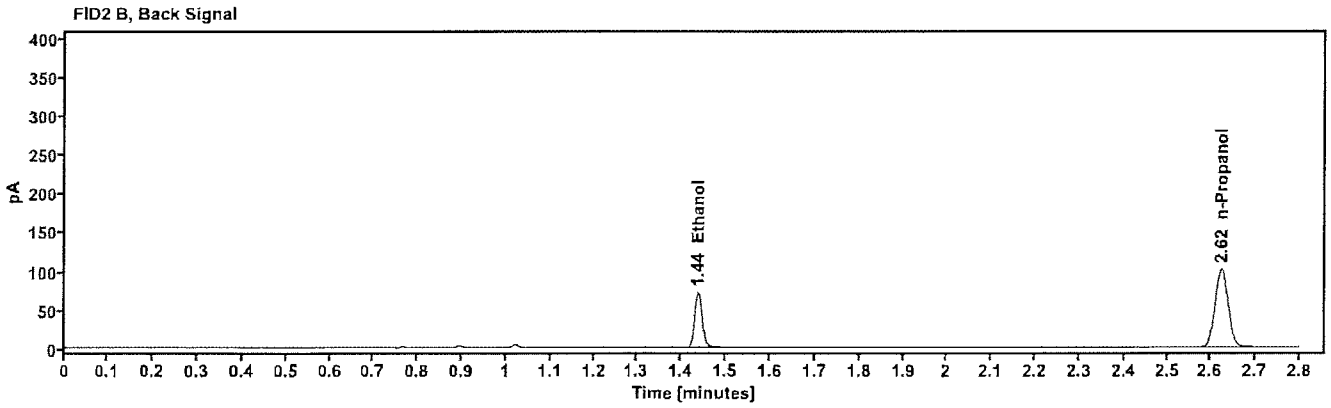

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1059	1.292	83.151
n-Propanol	------	2.164	202.235

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

Compound	Time (min)	Peak Area
Ethanol	1.438	86.010
n-Propanol	2.624	209.392

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	460-01R.S.	**Vial:**	25
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:24:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\25.D	**Analyst:**	Arroyo

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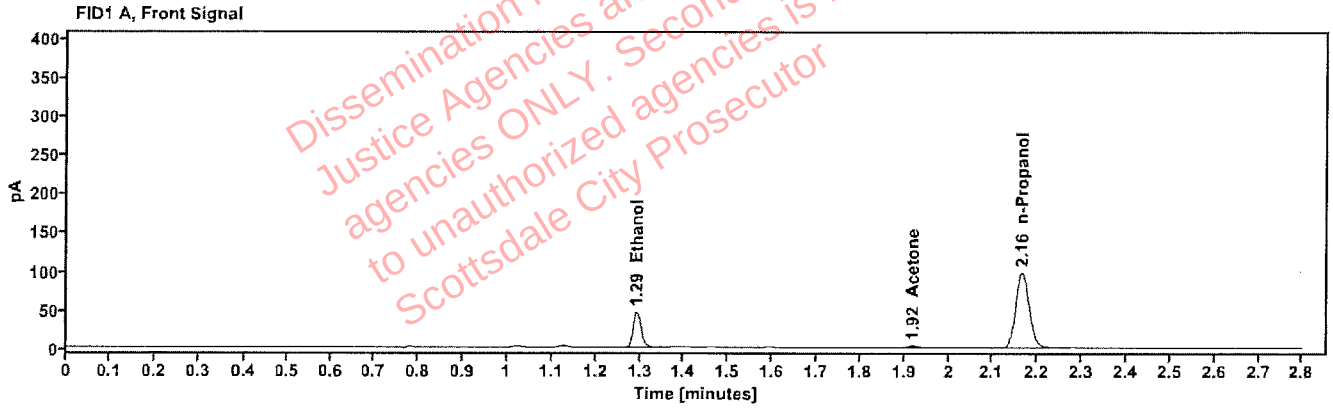

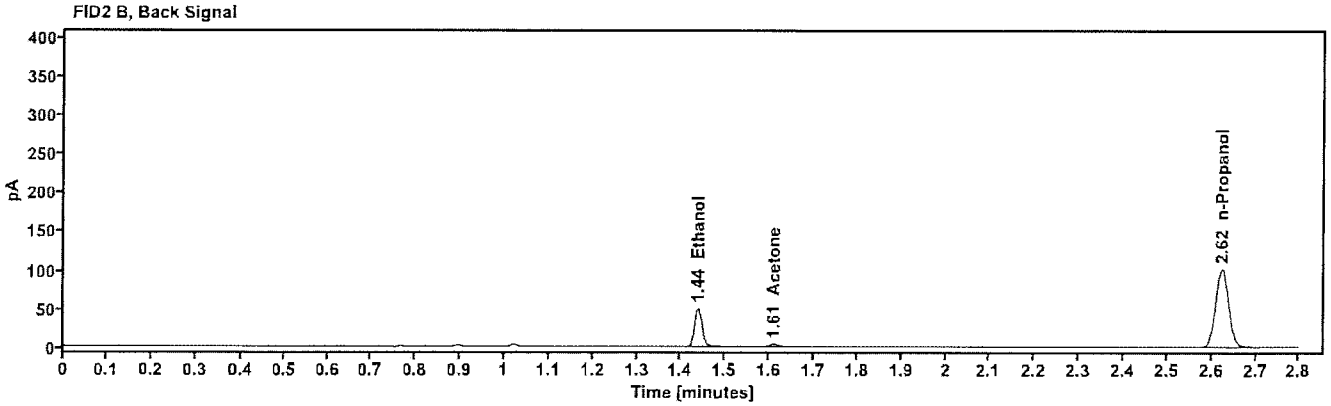

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0739	1.293	57.807
Acetone	------	1.919	3.787
n-Propanol	------	2.165	201.858

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

Compound	Time (min)	Peak Area
Ethanol	1.438	59.711
Acetone	1.610	3.875
n-Propanol	2.624	209.128

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	460-01R.S.	**Vial:**	26
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:28:16 PM
Data file:	C:\Chem32\1\Data\16Oct26\26.D	**Analyst:**	Arroyo

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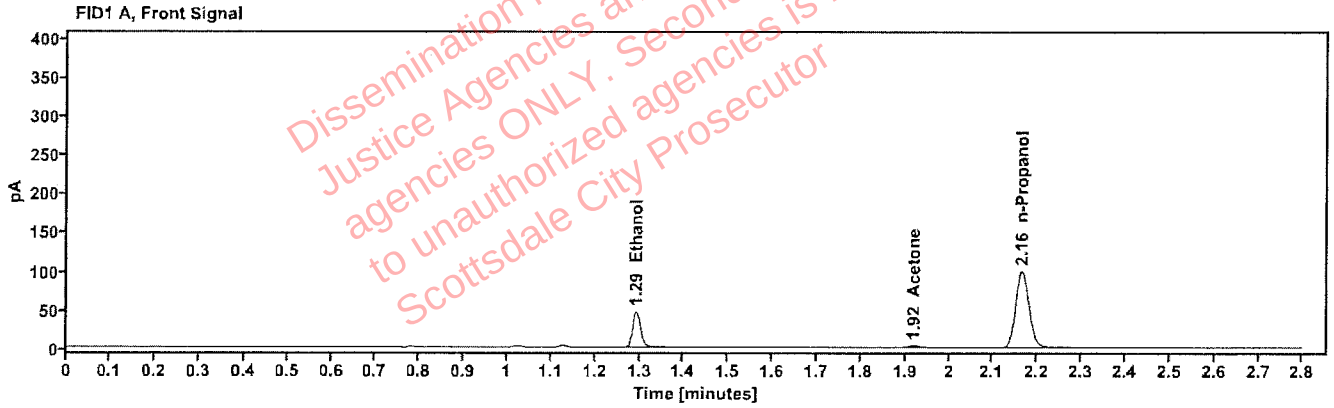

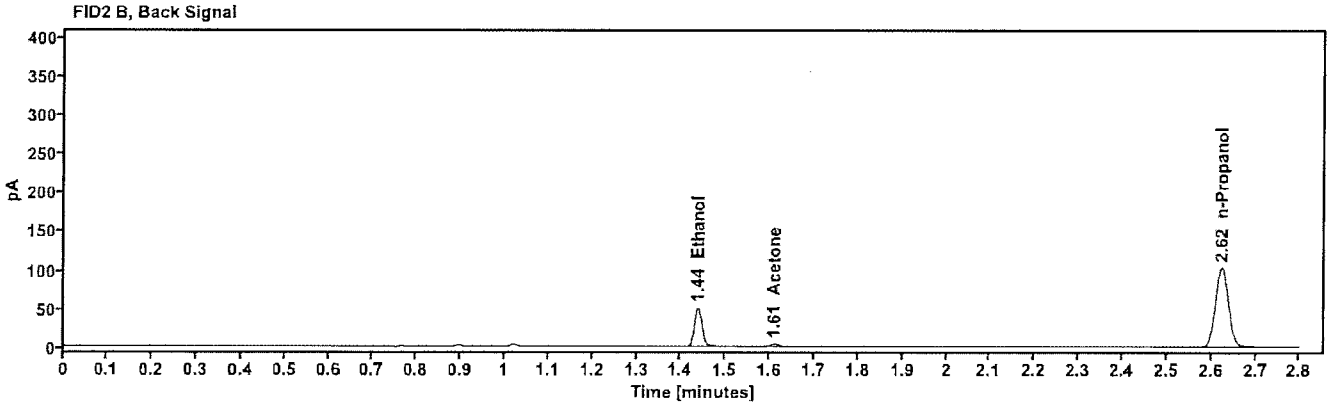

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0737	1.293	58.444
Acetone	-----	1.919	3.844
n-Propanol	-----	2.164	204.783

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

Compound	Time (min)	Peak Area
Ethanol	1.438	60.349
Acetone	1.610	3.930
n-Propanol	2.624	212.028

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	457-01B.H.	**Vial:**	27
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:32:06 PM
Data file:	C:\Chem32\1\Data\16Oct26\27.D	**Analyst:**	Arroyo

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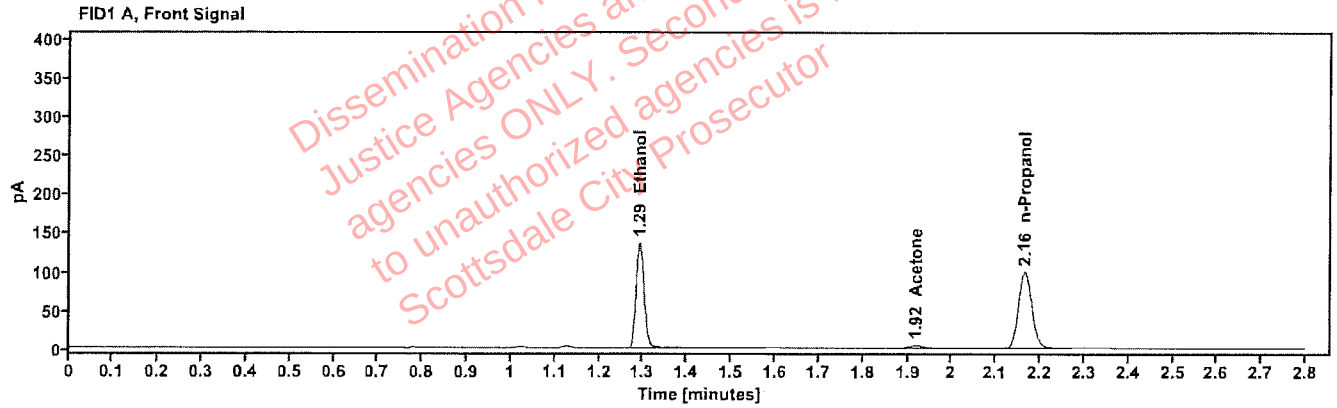

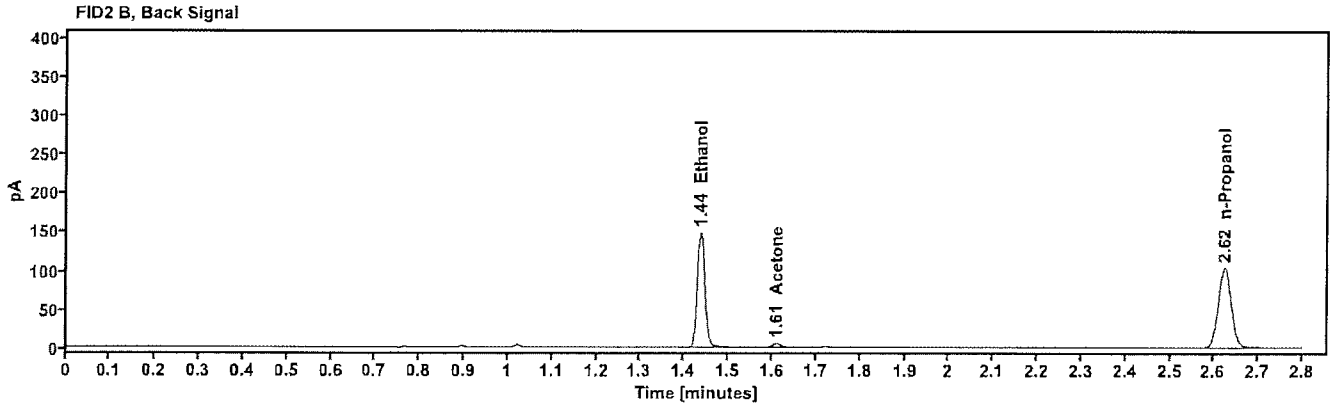

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2157	1.292	172.634
Acetone	------	1.919	5.963
n-Propanol	------	2.165	205.610

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

Compound	Time (min)	Peak Area
Ethanol	1.438	178.692
Acetone	1.609	6.059
n-Propanol	2.624	212.615

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	457-01B.H.	**Vial:**	28
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:35:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\28.D	**Analyst:**	Arroyo

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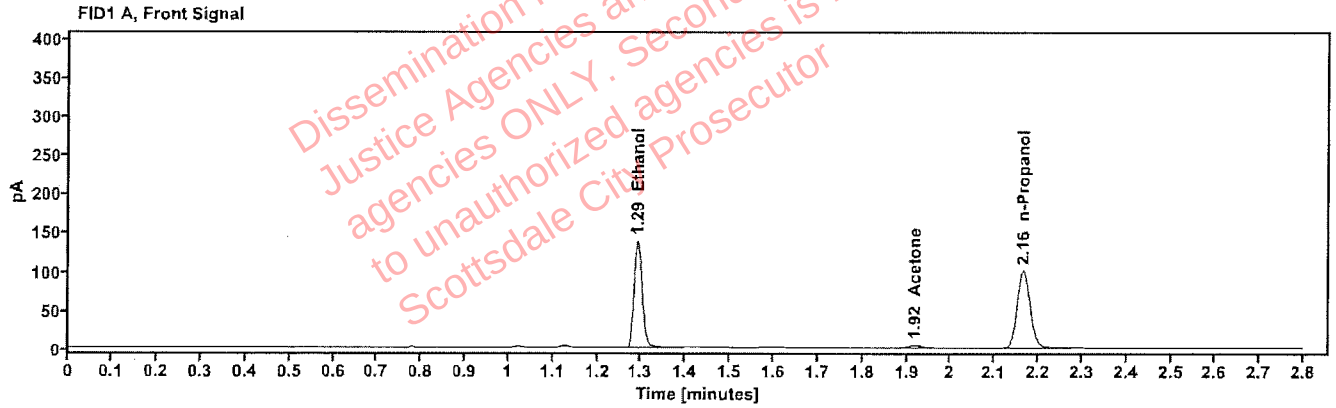

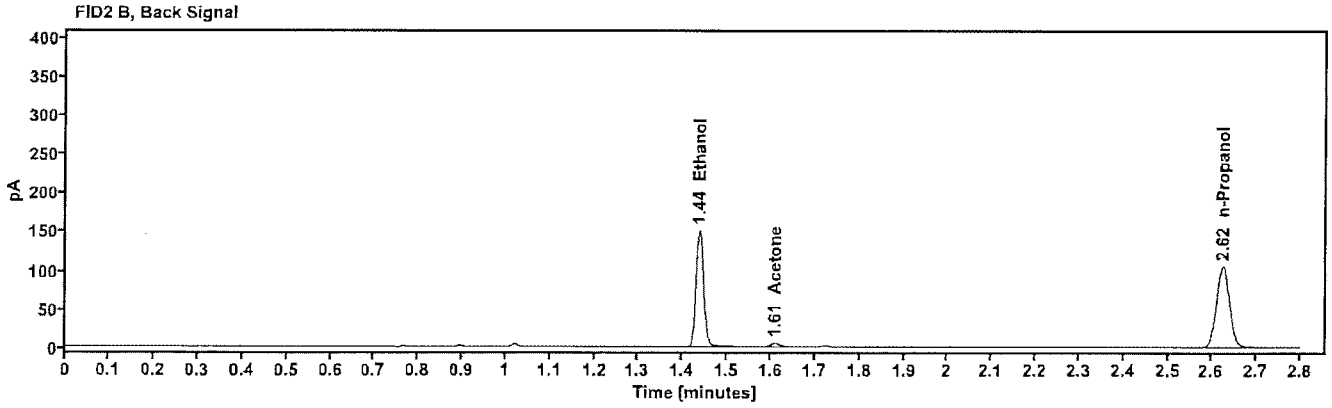

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2158	1.291	175.329
Acetone	-----	1.919	6.044
n-Propanol	-----	2.164	208.645

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

Compound	Time (min)	Peak Area
Ethanol	1.438	181.485
Acetone	1.609	6.130
n-Propanol	2.624	215.619

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620333-2	**Vial:**	29
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:39:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\29.D	**Analyst:**	Arroyo

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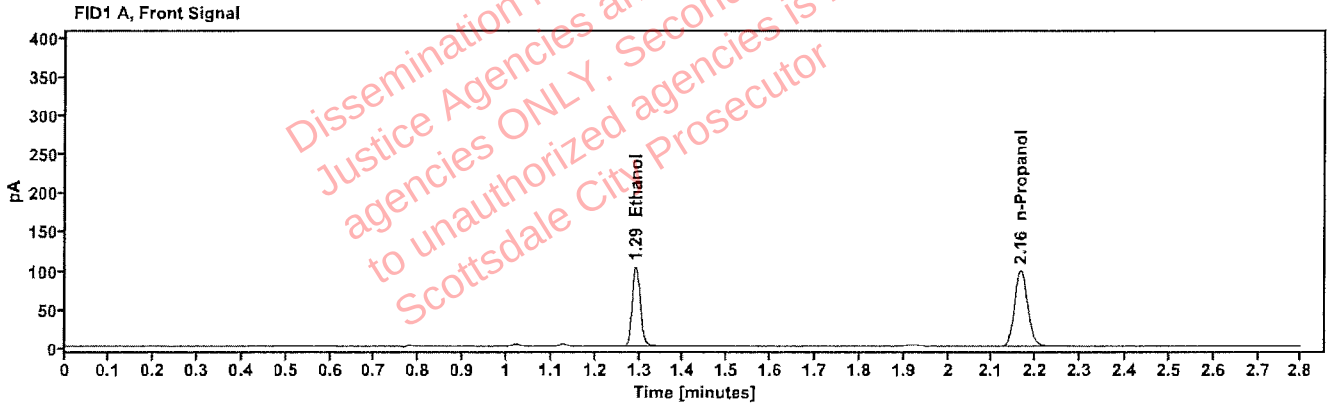

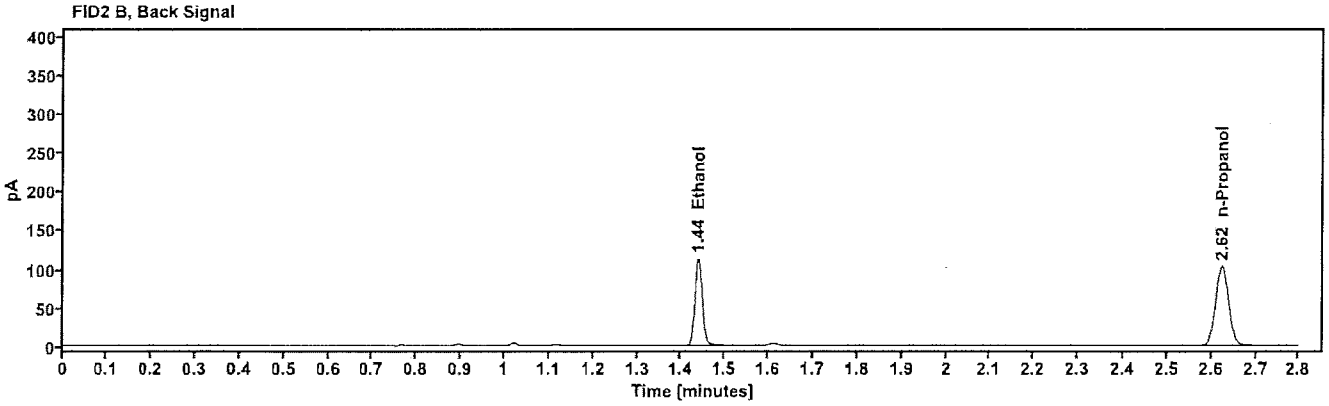

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1648	1.292	131.015
n-Propanol	-----	2.164	204.379

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

Compound	Time (min)	Peak Area
Ethanol	1.438	135.385
n-Propanol	2.624	211.528

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620333-2	**Vial:**	30
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:43:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\30.D	**Analyst:**	Arroyo

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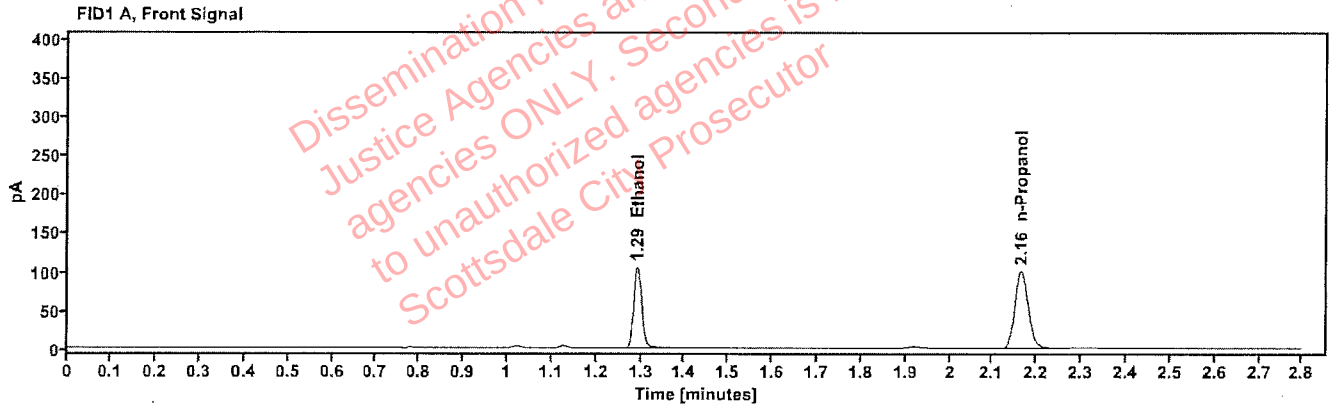

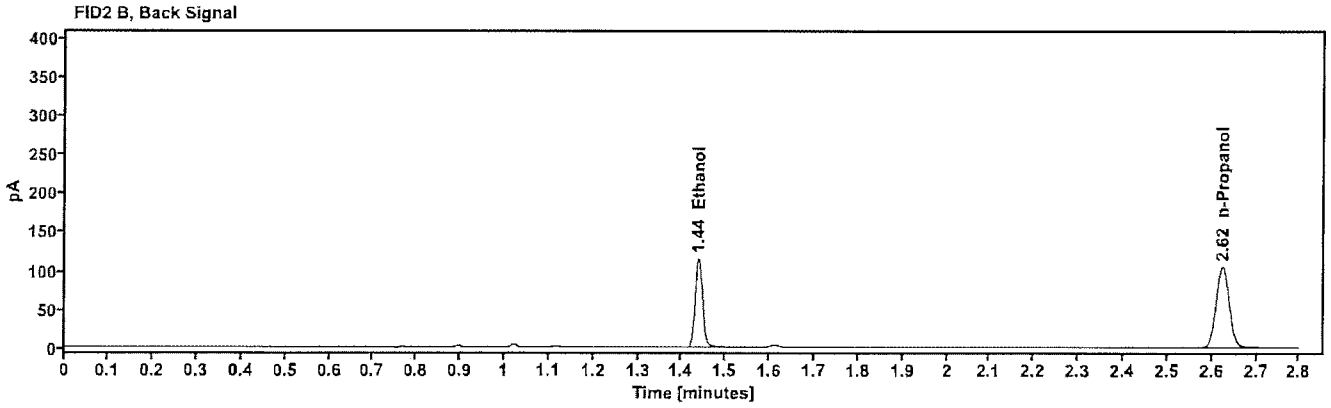

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1645	1.292	133.258
n-Propanol	-----	2.164	208.209

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

Compound	Time (min)	Peak Area
Ethanol	1.438	137.855
n-Propanol	2.624	215.379

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620349-2	**Vial:**	32
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:52:17 PM
Data file:	C:\Chem32\1\Data\16Oct26\32.D	**Analyst:**	Arroyo

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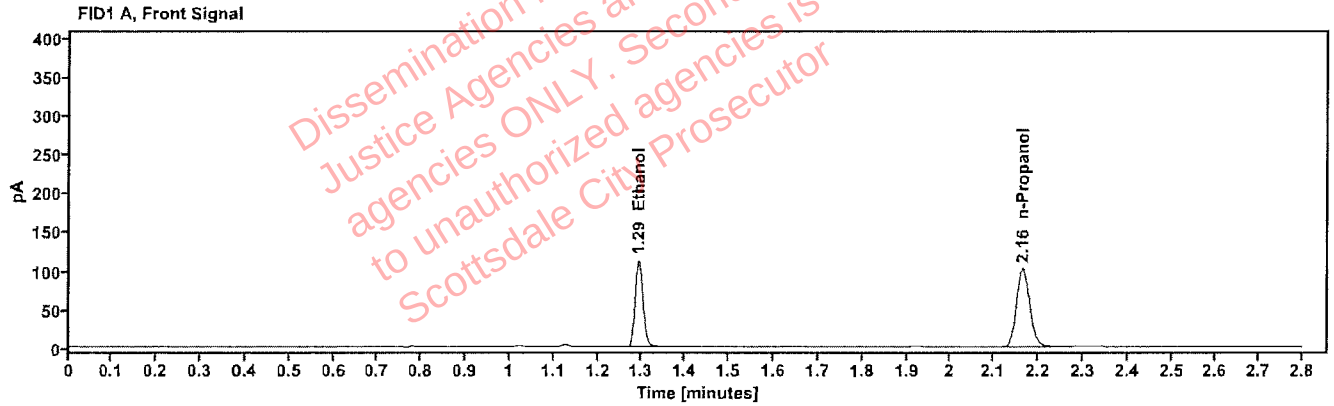

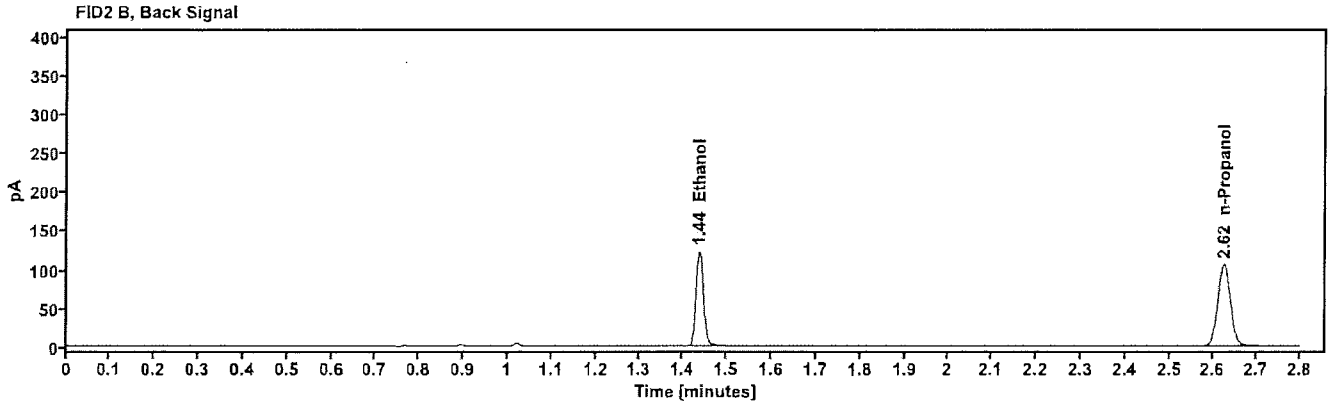

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1744	1.292	142.460
n-Propanol	-----	2.164	209.940

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

Compound	Time (min)	Peak Area
Ethanol	1.438	147.084
n-Propanol	2.624	217.443

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620349-2	**Vial:**	33
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:56:06 PM
Data file:	C:\Chem32\1\Data\16Oct26\33.D	**Analyst:**	Arroyo

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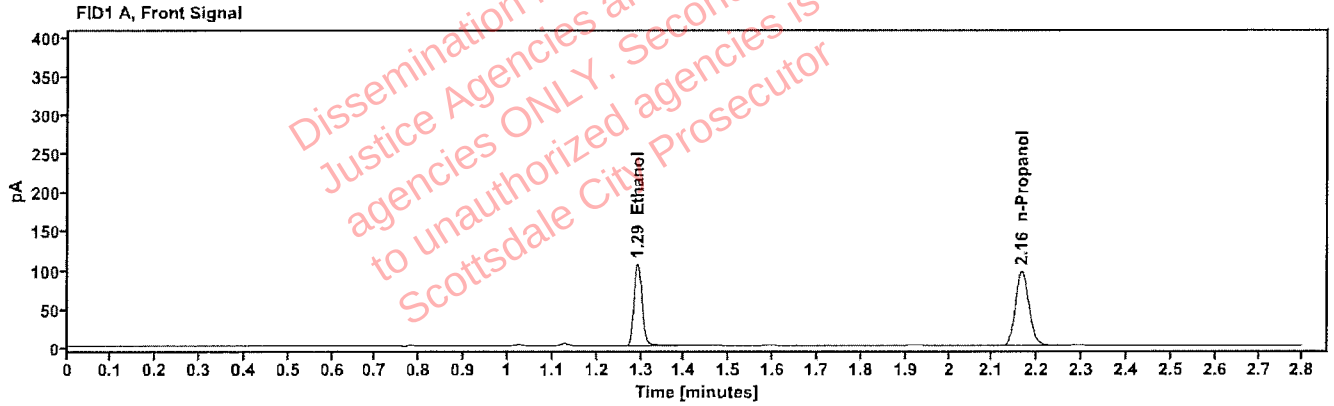

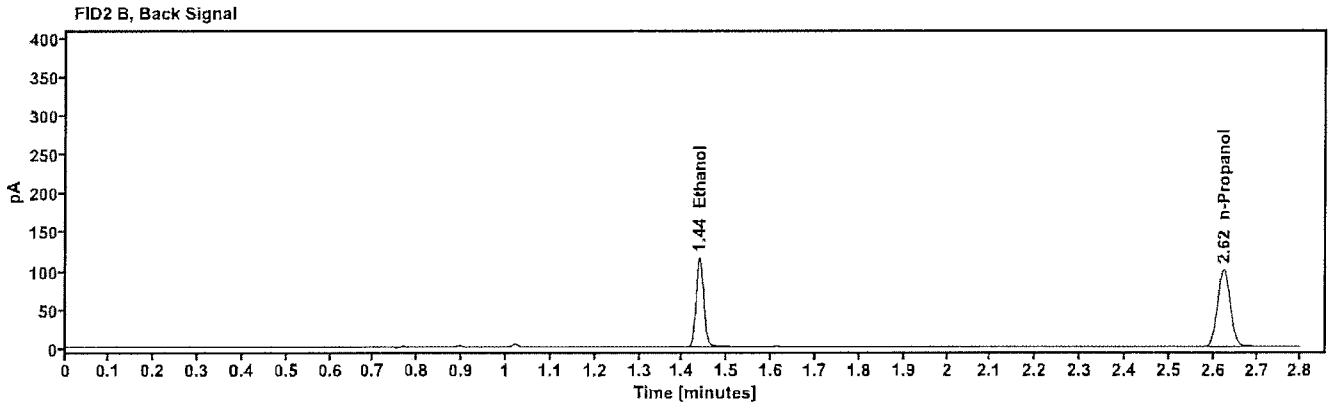

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1733	1.292	134.635
n-Propanol	-----	2.164	199.648

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

Compound	Time (min)	Peak Area
Ethanol	1.438	139.078
n-Propanol	2.624	206.689

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2618550-2	**Vial:**	34
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 12:59:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\34.D	**Analyst:**	Arroyo

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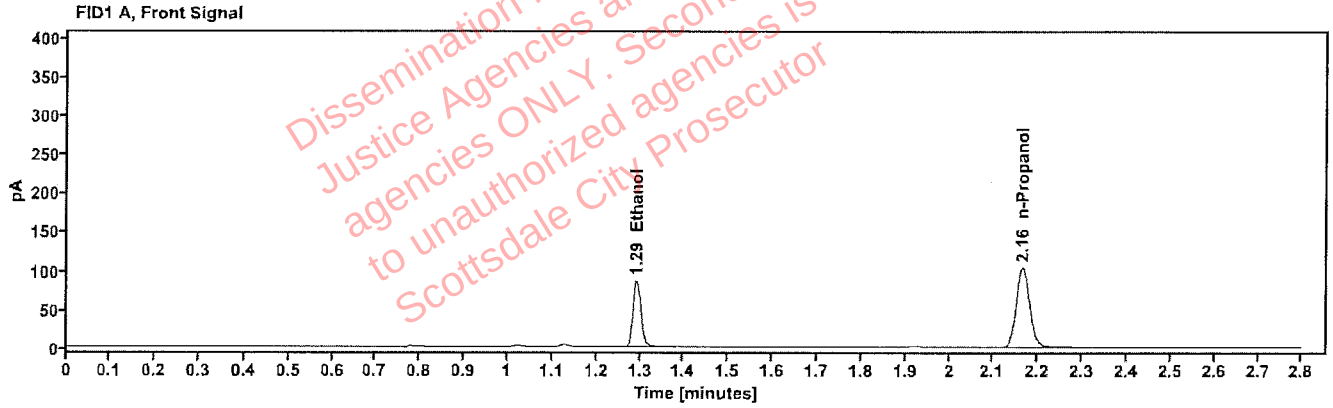

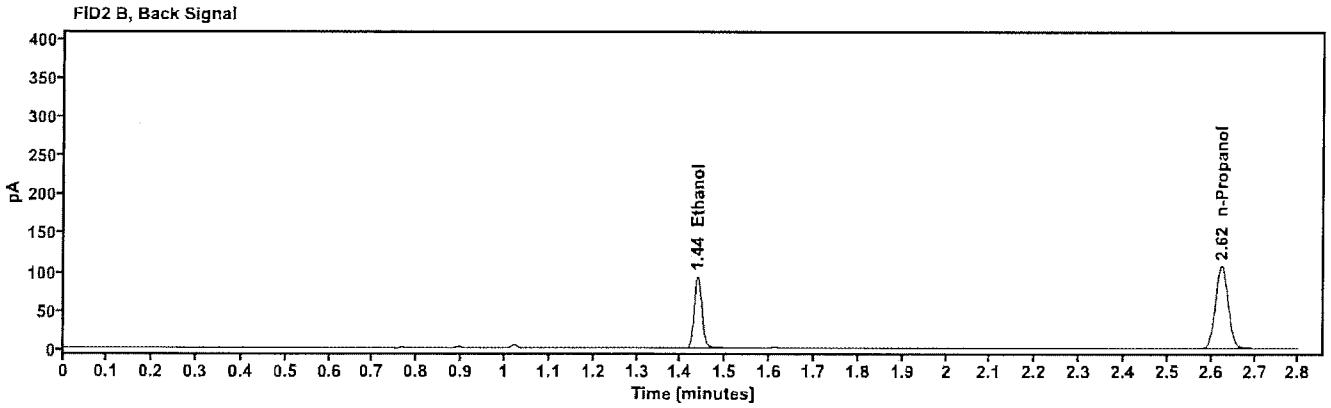

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1303	1.292	108.263
n-Propanol	----	2.164	213.715

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

Compound	Time (min)	Peak Area
Ethanol	1.438	111.811
n-Propanol	2.624	221.054

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2618550-2	**Vial:**	35
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:03:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\35.D	**Analyst:**	Arroyo

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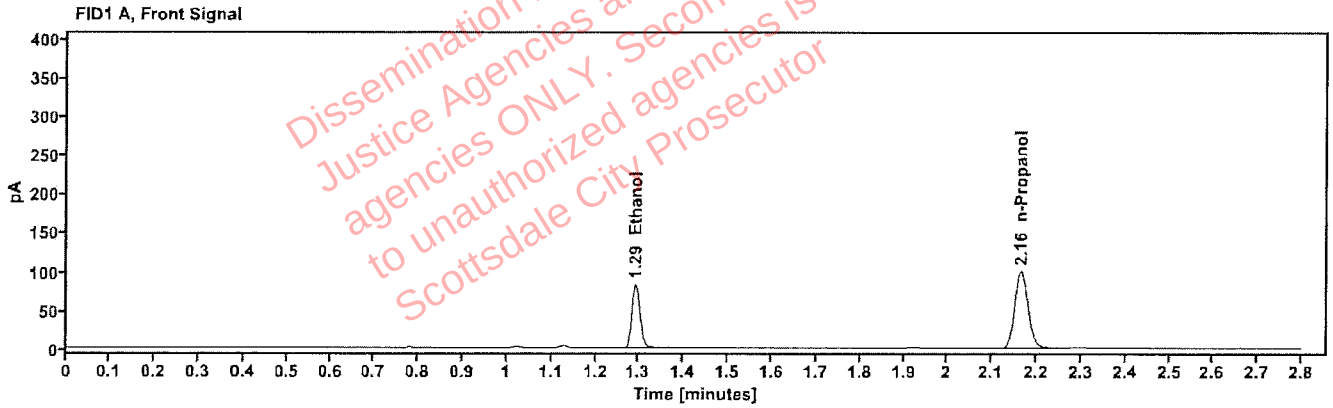

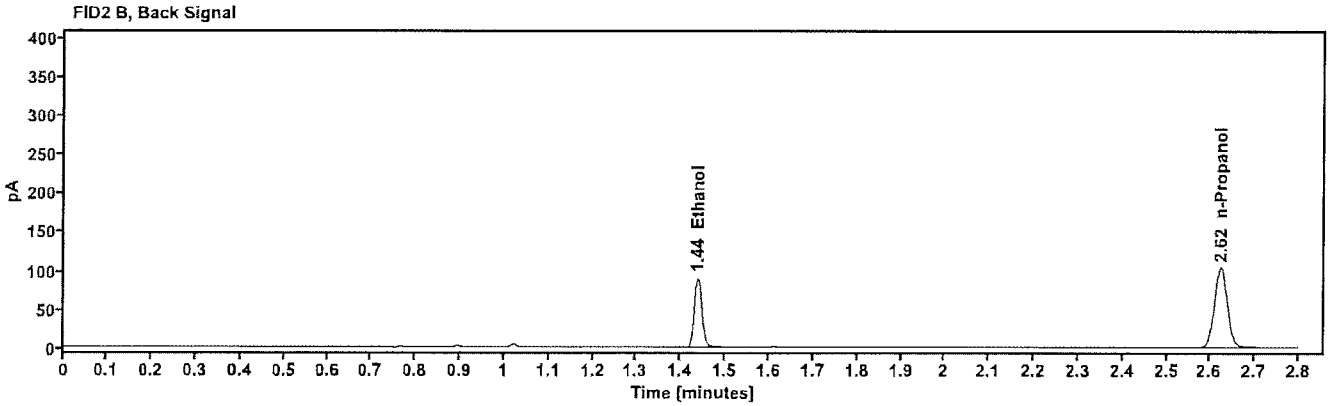

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1301	1.292	104.416
n-Propanol	-----	2.164	206.426

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

Compound	Time (min)	Peak Area
Ethanol	1.438	107.995
n-Propanol	2.624	213.614

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2618599-2	**Vial:**	36
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:07:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\36.D	**Analyst:**	Arroyo

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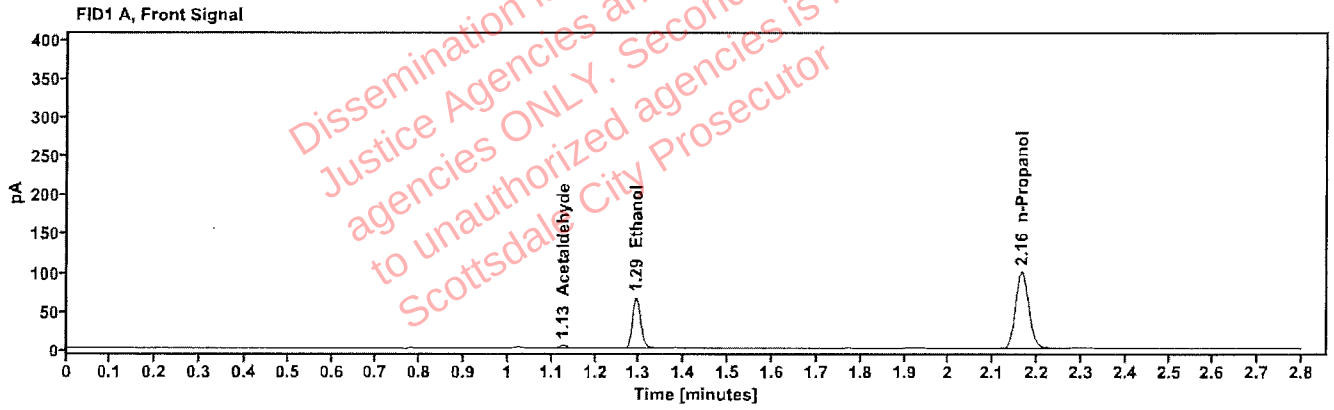

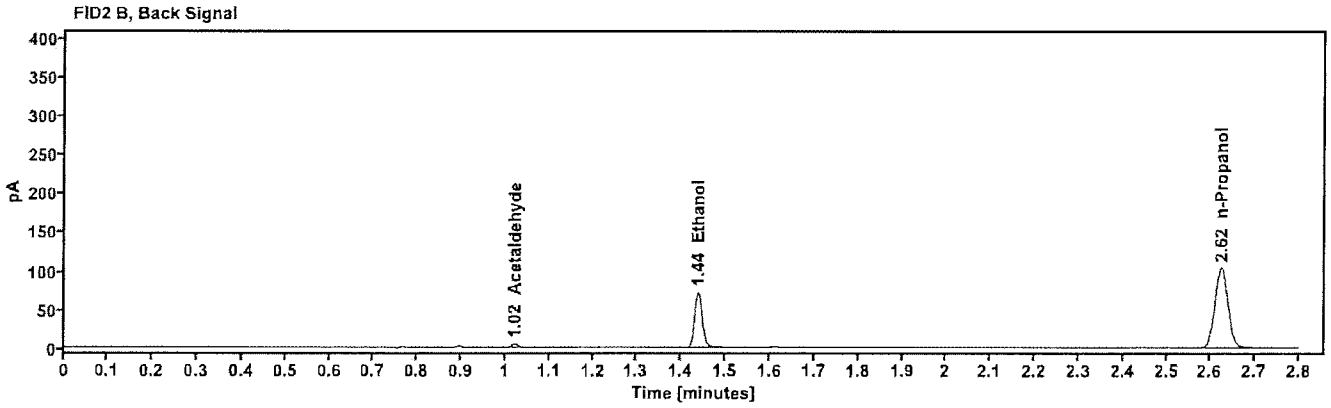

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.126	4.022
quantified Ethanol	0.1039	1.292	83.193
n-Propanol	-----	2.165	206.336

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.179
Ethanol	1.438	85.979
n-Propanol	2.624	213.670

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2618599-2	**Vial:**	37
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:12:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\37.D	**Analyst:**	Arroyo

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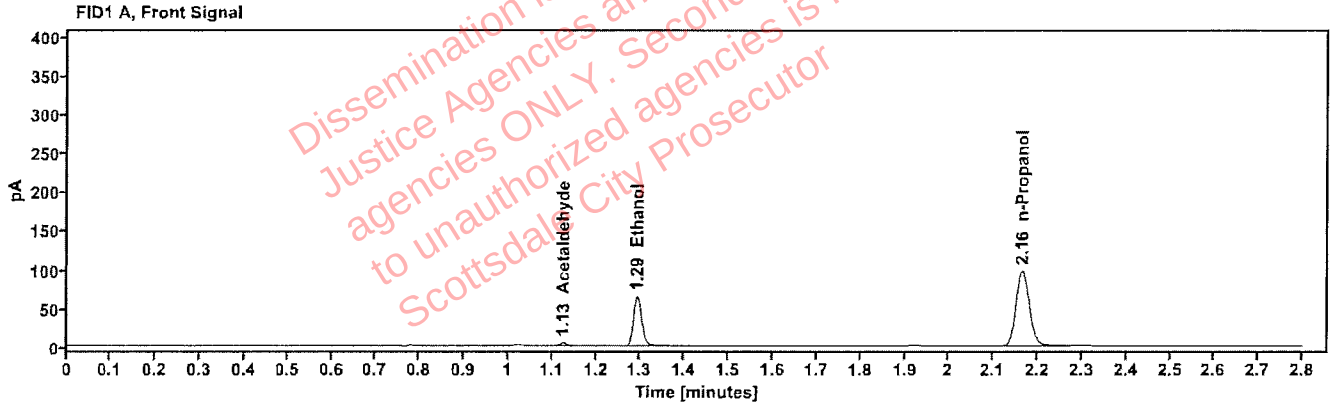

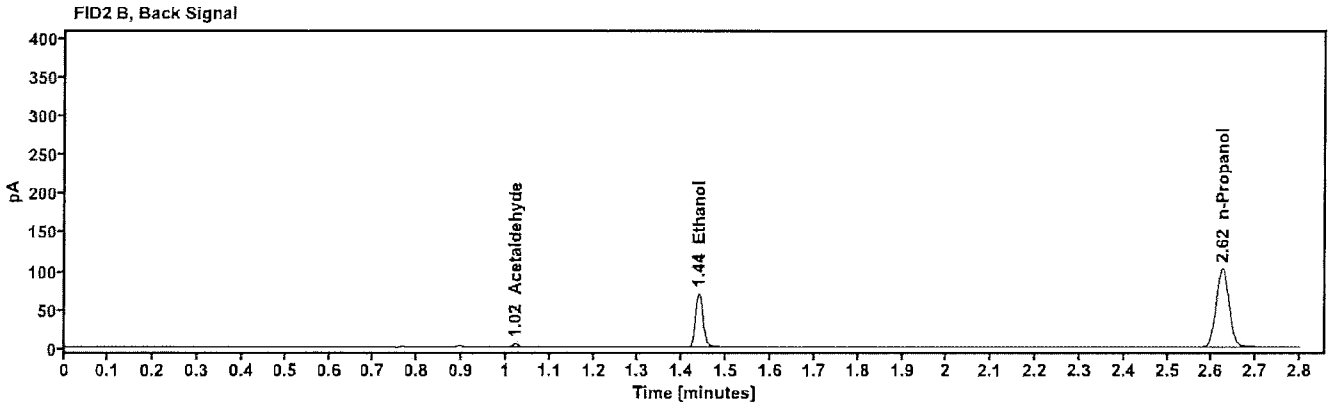

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	----	1.126	3.944
quantified Ethanol	0.1035	1.292	81.414
n-Propanol	----	2.165	202.687

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.102
Ethanol	1.438	84.281
n-Propanol	2.624	210.063

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620034-1	**Vial:**	38
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:16:18 PM
Data file:	C:\Chem32\1\Data\16Oct26\38.D	**Analyst:**	Arroyo

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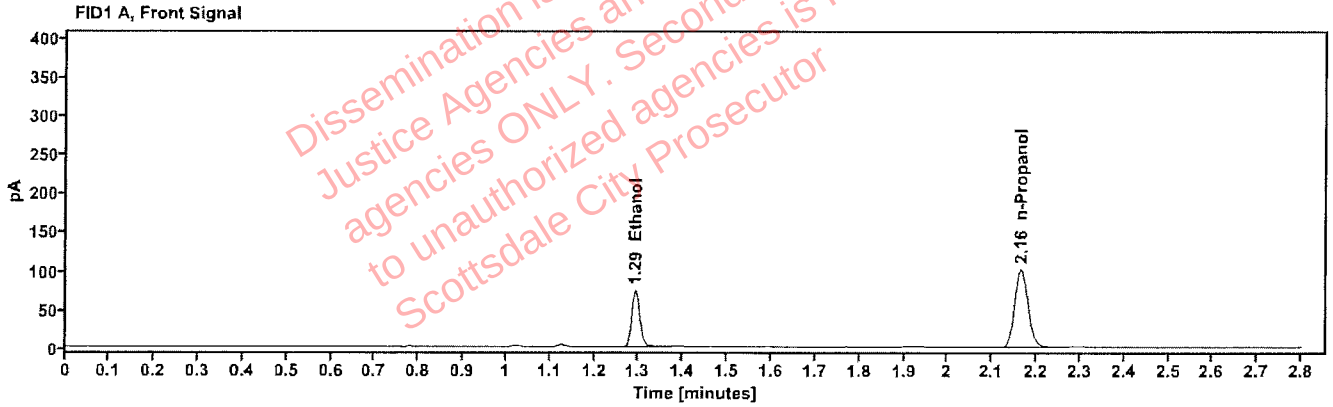

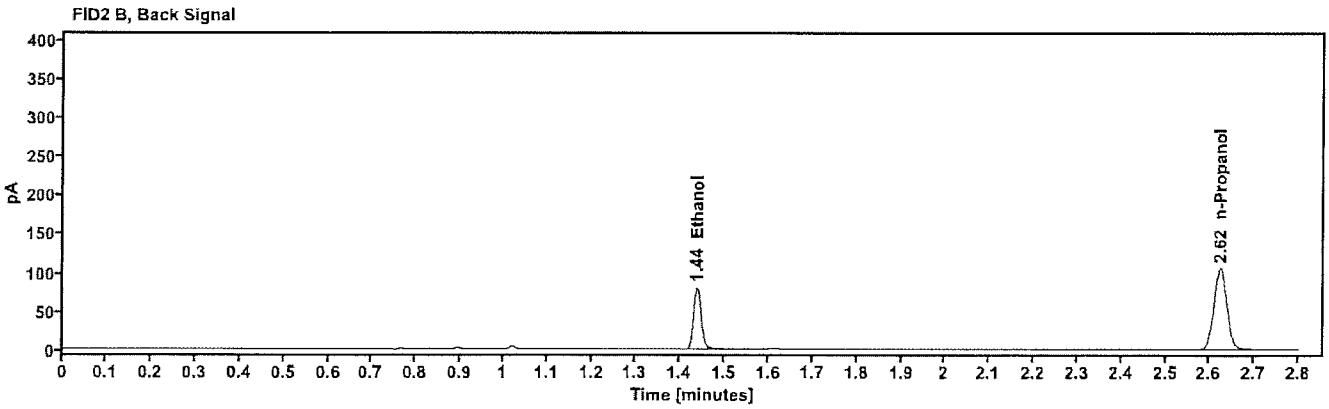

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1137	1.292	92.506
n-Propanol	-----	2.164	209.422

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

Compound	Time (min)	Peak Area
Ethanol	1.438	95.636
n-Propanol	2.624	216.600

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620034-1	**Vial:**	39
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:20:04 PM
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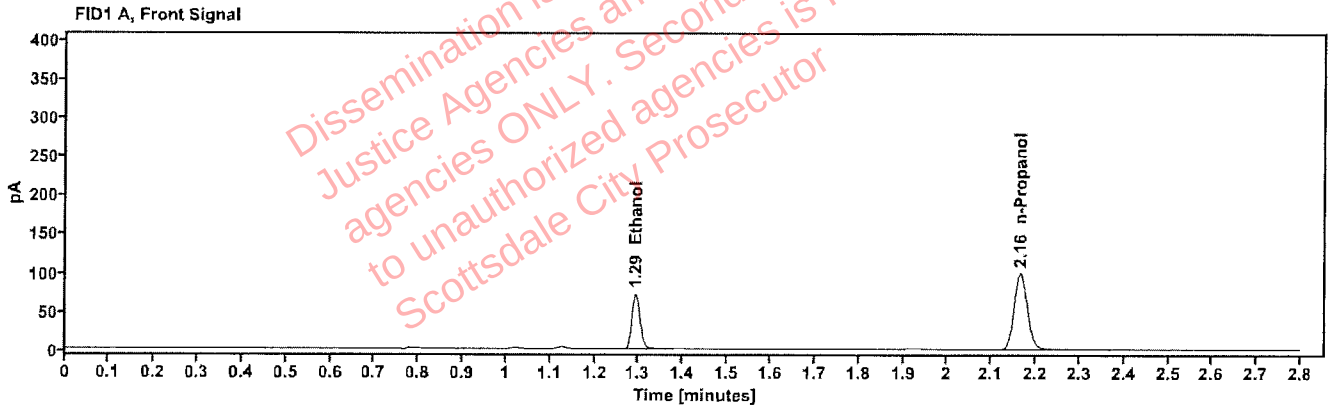

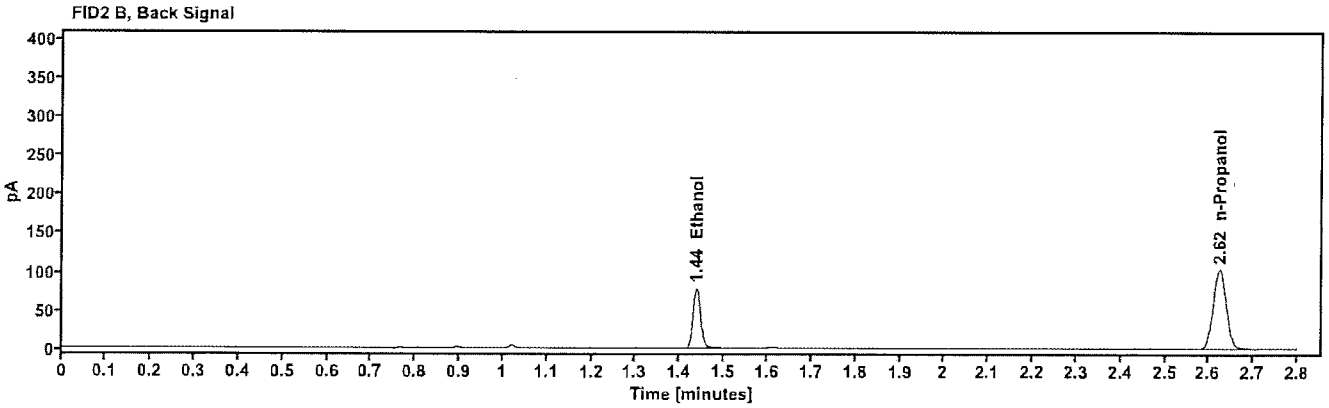

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1134	1.292	90.347
n-Propanol	-----	2.165	205.095

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

Compound	Time (min)	Peak Area
Ethanol	1.438	93.395
n-Propanol	2.624	212.258

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620173-1	**Vial:**	40
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:23:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\40.D	**Analyst:**	Arroyo

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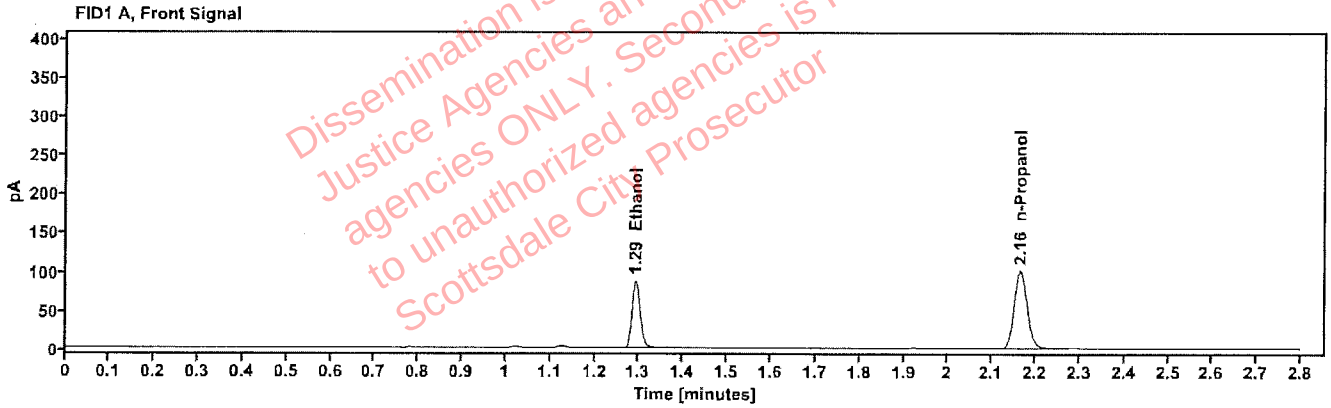

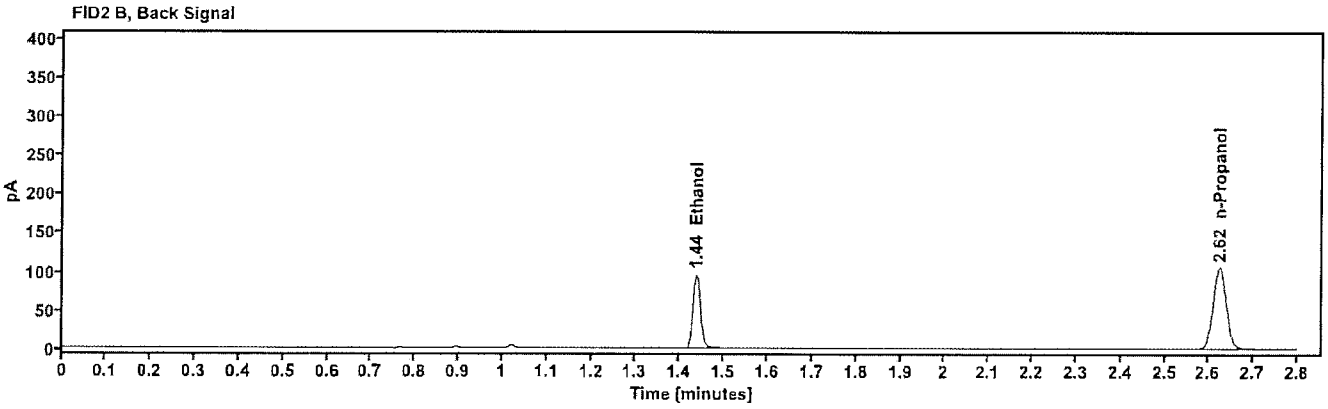

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1363	1.292	111.026
n-Propanol	------	2.164	209.566

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

Compound	Time (min)	Peak Area
Ethanol	1.438	114.810
n-Propanol	2.624	217.034

[redacted] Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620173-1	**Vial:**	41
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:27:40 PM
Data file:	C:\Chem32\1\Data\16Oct26\41.D	**Analyst:**	Arroyo

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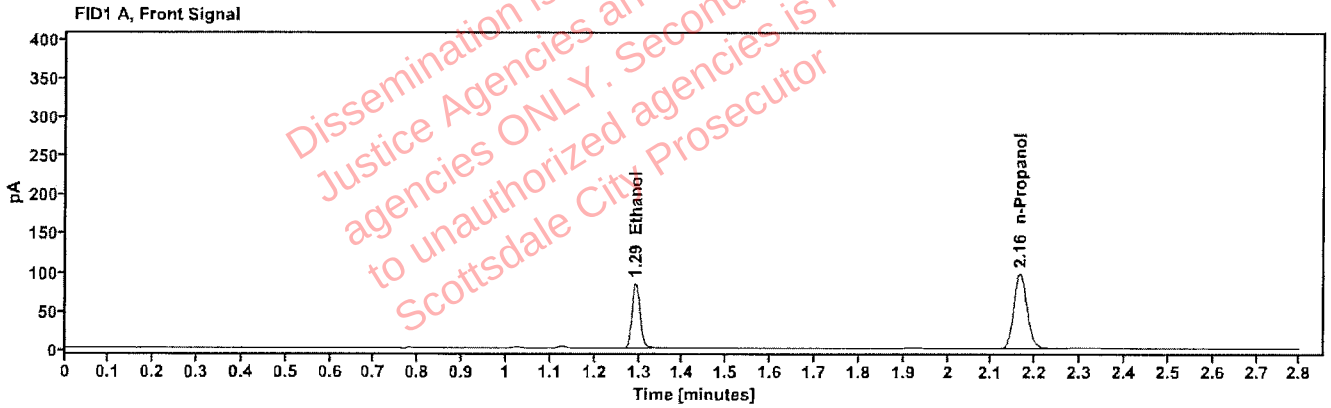

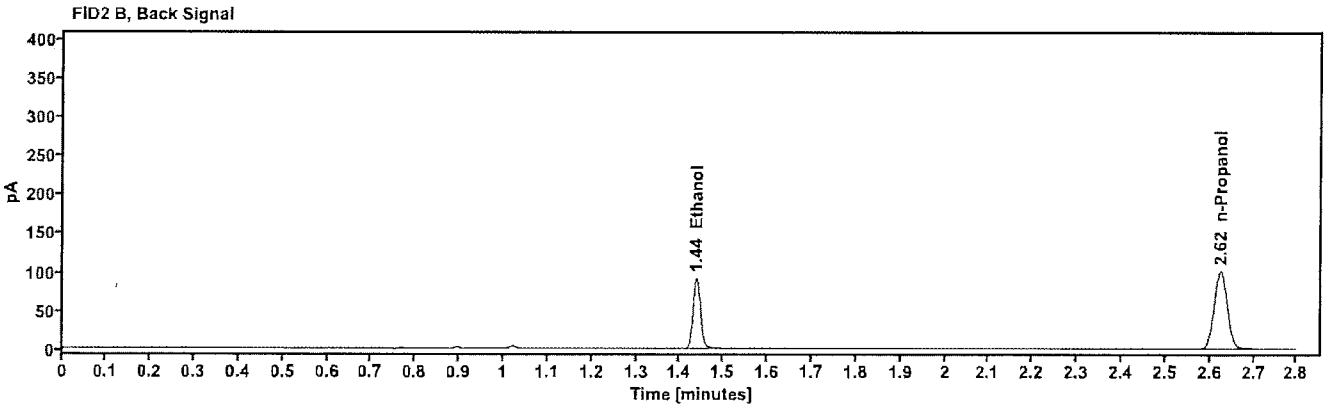

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1357	1.292	106.355
n-Propanol	-----	2.165	201.653

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

Compound	Time (min)	Peak Area
Ethanol	1.438	110.036
n-Propanol	2.624	208.738

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620506-2	**Vial:**	43
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:36:28 PM
Data file:	C:\Chem32\1\Data\16Oct26\43.D	**Analyst:**	Arroyo

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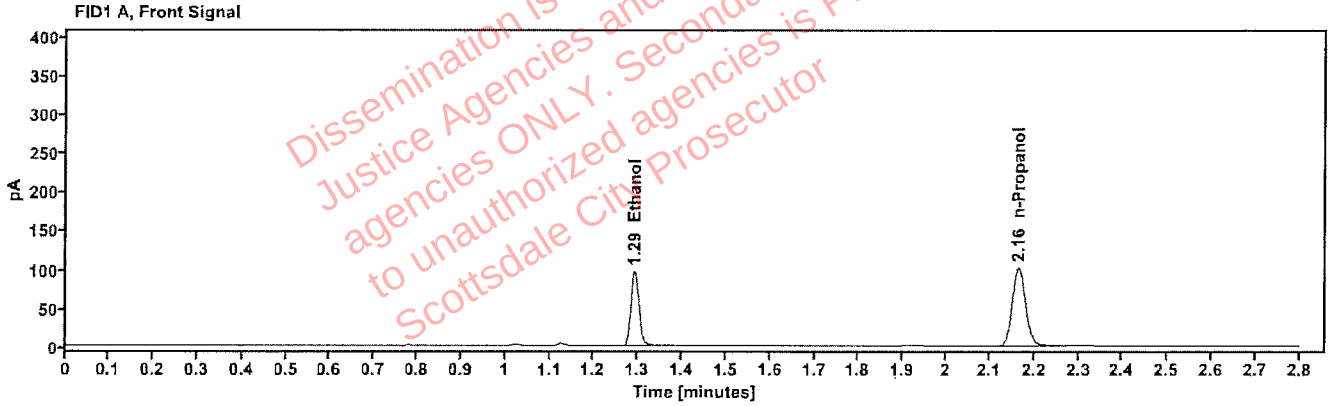

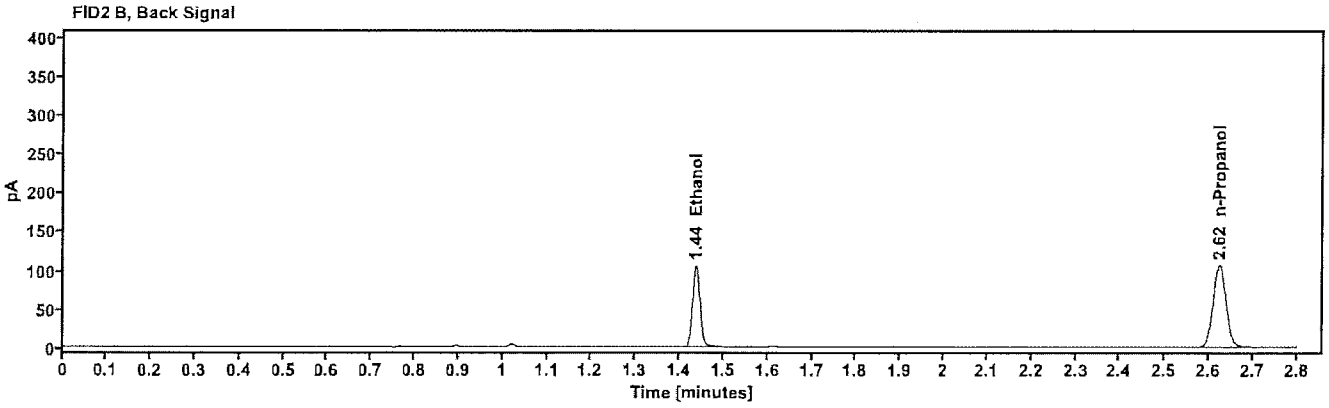

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1495	1.292	122.418
n-Propanol	-----	2.164	210.503

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

Compound	Time (min)	Peak Area
Ethanol	1.438	126.484
n-Propanol	2.624	218.017

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620506-2	**Vial:**	44
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:40:18 PM
Data file:	C:\Chem32\1\Data\16Oct26\44.D	**Analyst:**	Arroyo

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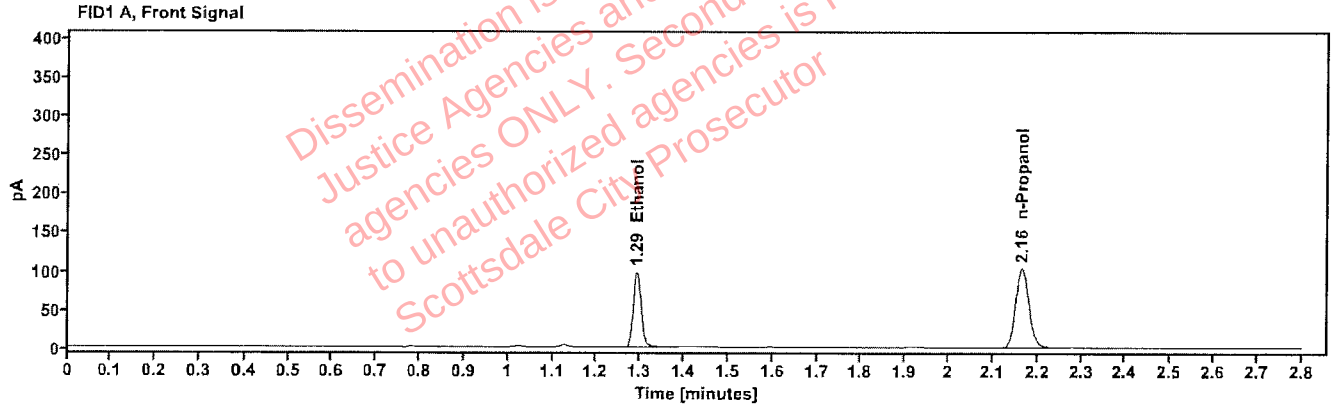

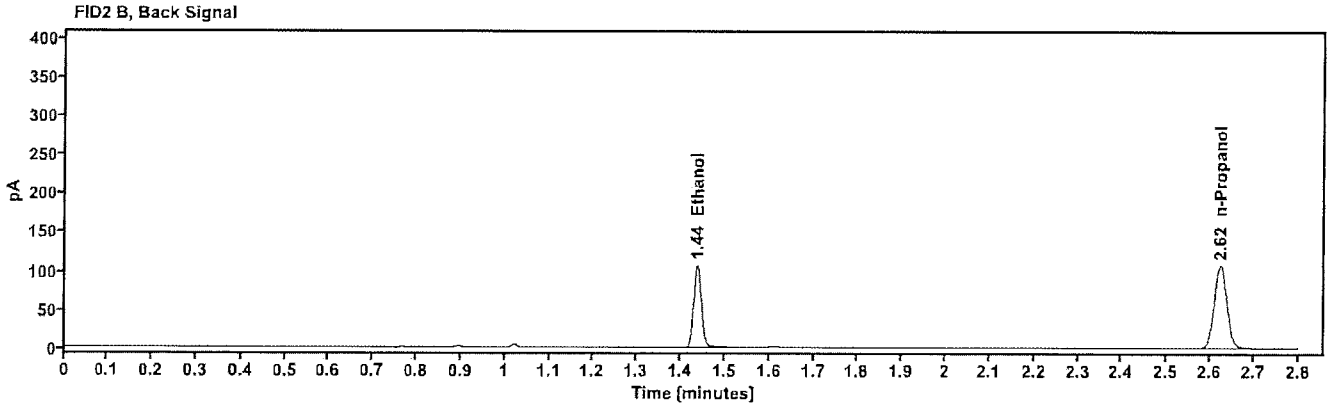

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1493	1.292	123.798
n-Propanol	-----	2.164	213.182

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

Compound	Time (min)	Peak Area
Ethanol	1.438	127.833
n-Propanol	2.624	220.739

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620493-2	**Vial:**	45
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:44:06 PM
Data file:	C:\Chem32\1\Data\16Oct26\45.D	**Analyst:**	Arroyo

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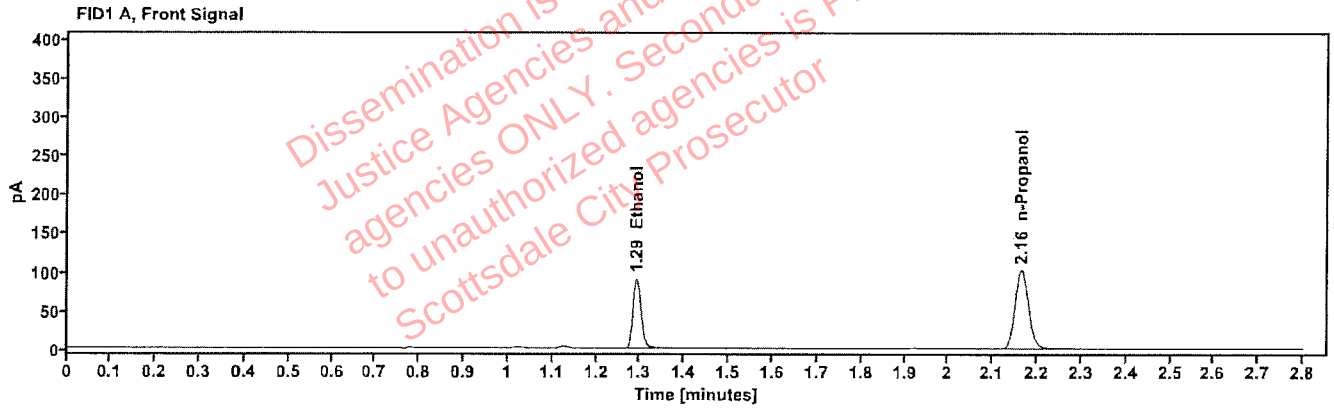

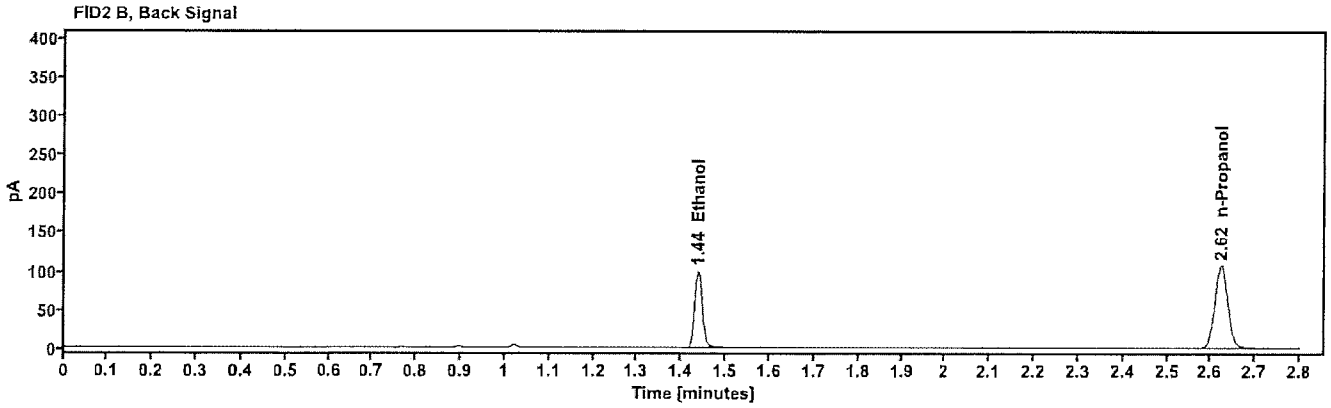

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1393	1.292	114.950
n-Propanol	-----	2.164	212.293

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

Compound	Time (min)	Peak Area
Ethanol	1.438	118.726
n-Propanol	2.624	219.732

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620493-2	**Vial:**	46
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:47:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\46.D	**Analyst:**	Arroyo

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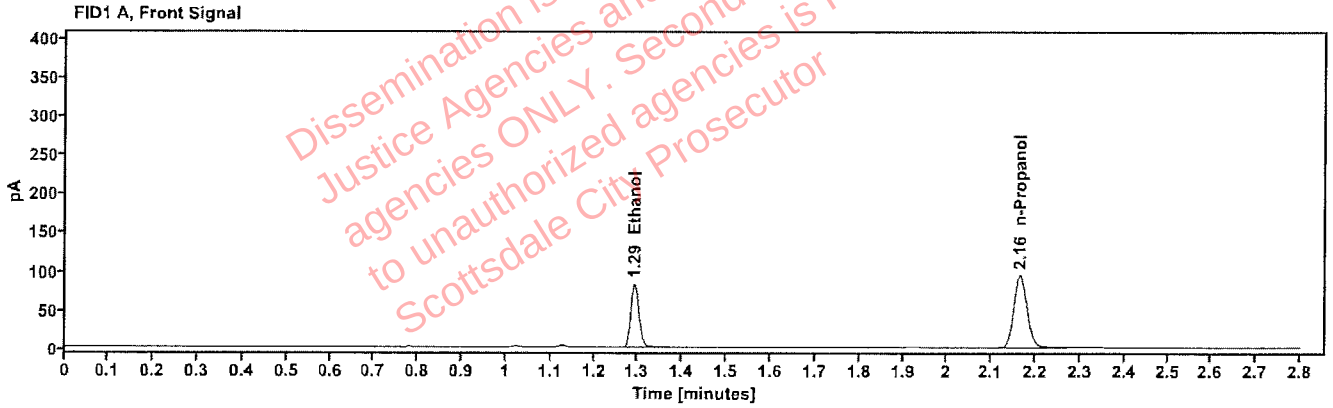

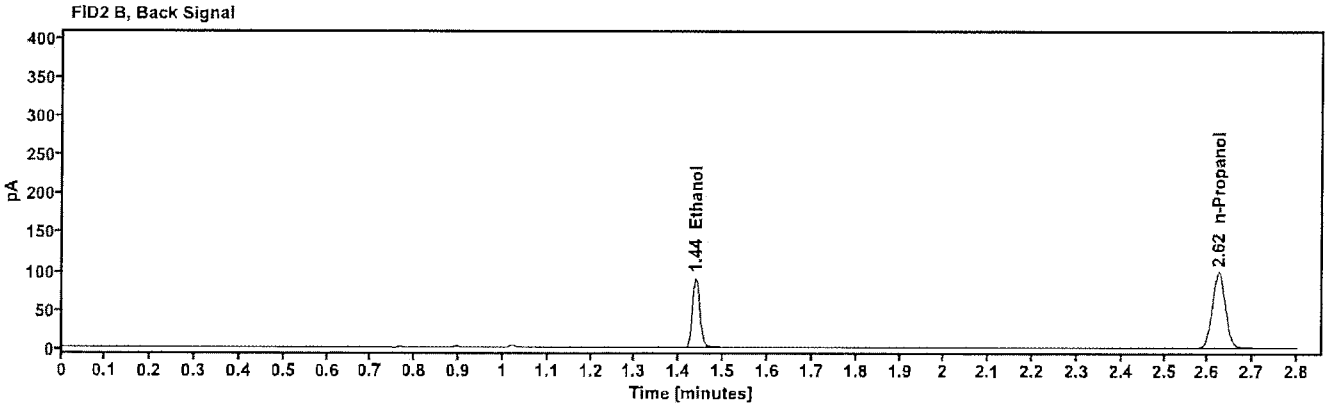

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1382	1.292	104.578
n-Propanol	------	2.165	194.598

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

Compound	Time (min)	Peak Area
Ethanol	1.438	108.119
n-Propanol	2.624	201.478

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620502-2	**Vial:**	47
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:51:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\47.D	**Analyst:**	Arroyo

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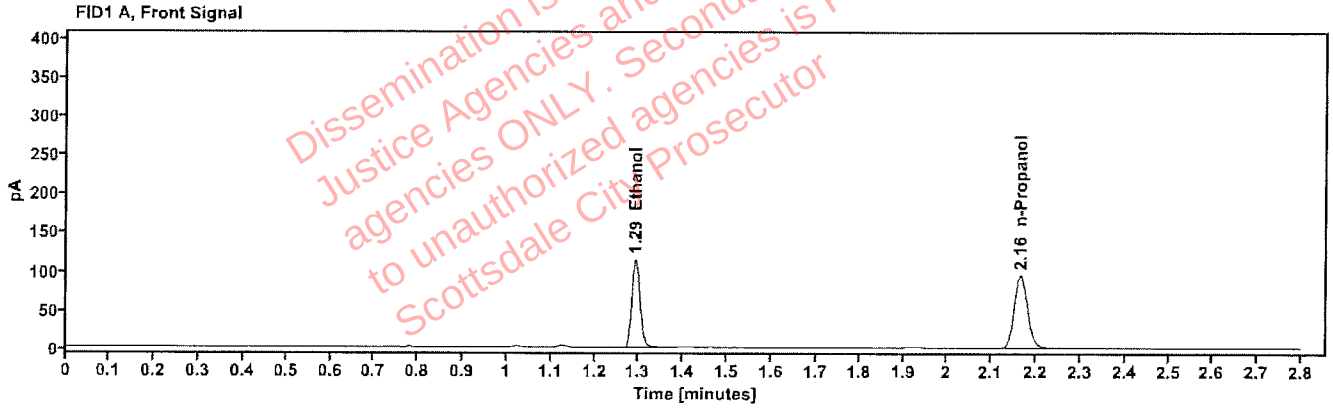

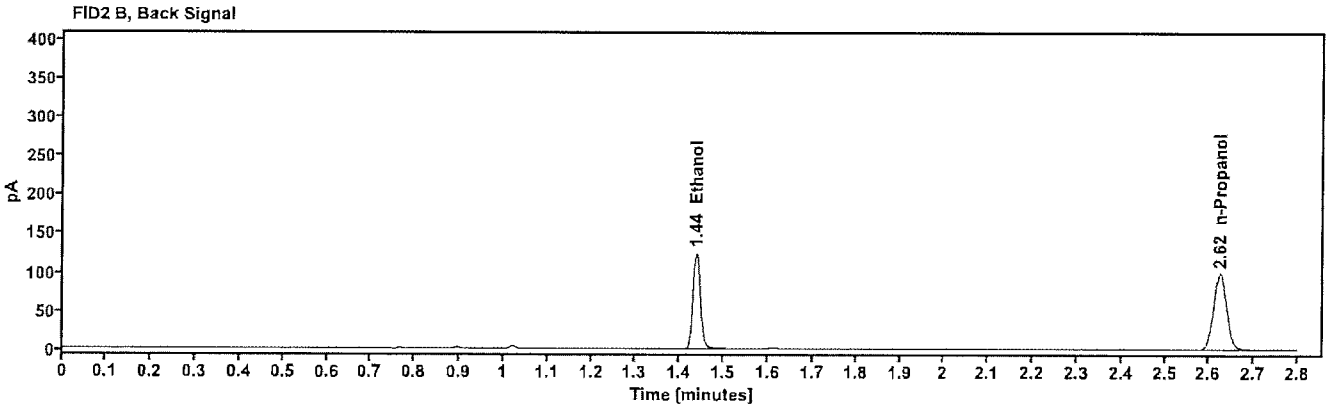

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1900	1.292	144.517
n-Propanol	-----	2.165	195.425

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

Compound	Time (min)	Peak Area
Ethanol	1.438	150.089
n-Propanol	2.624	202.210

[redacted] Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620502-2	**Vial:**	48
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 1:55:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\48.D	**Analyst:**	Arroyo

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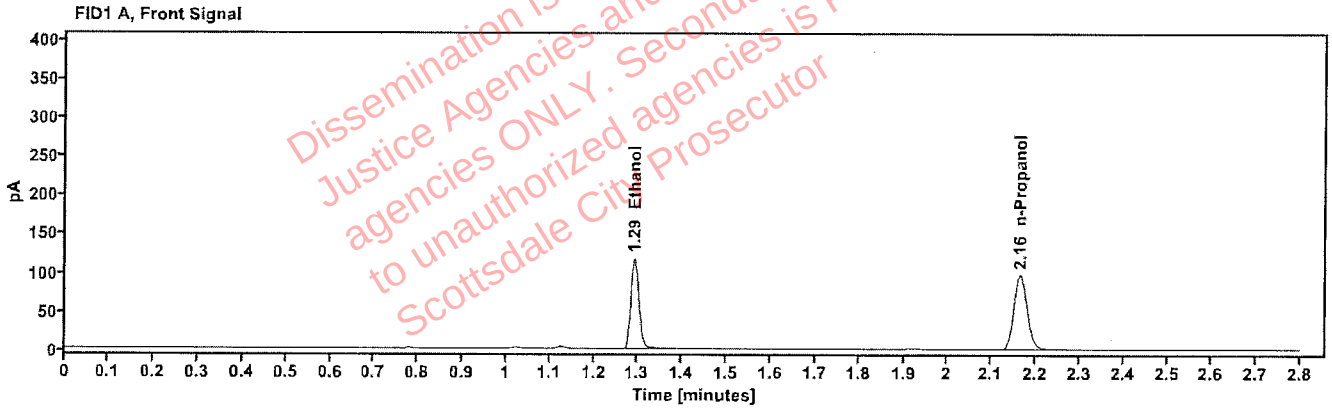

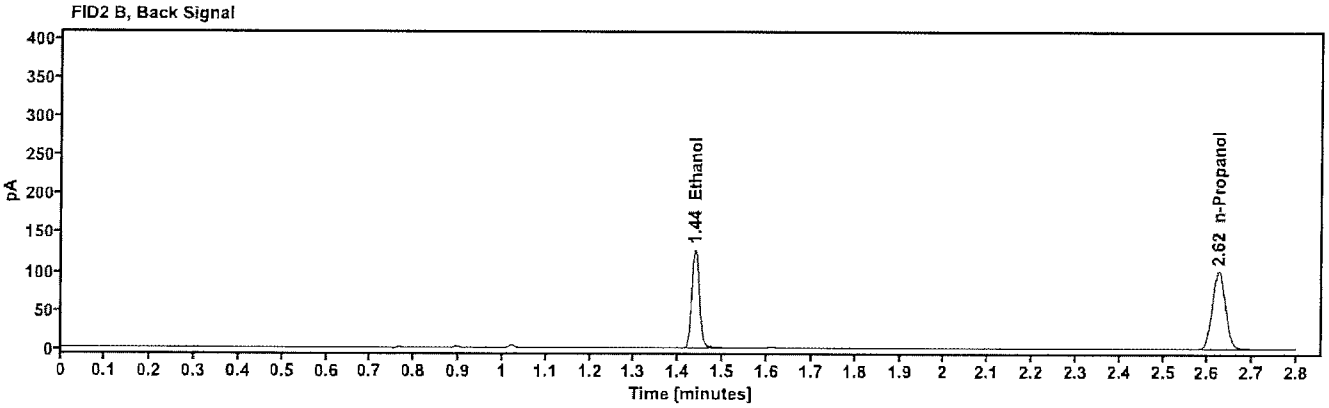

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1903	1.292	148.426
n-Propanol	----	2.165	200.445

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

Compound	Time (min)	Peak Area
Ethanol	1.438	153.604
n-Propanol	2.624	207.482

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2612967-1	**Vial:**	49
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:00:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\49.D	**Analyst:**	Arroyo

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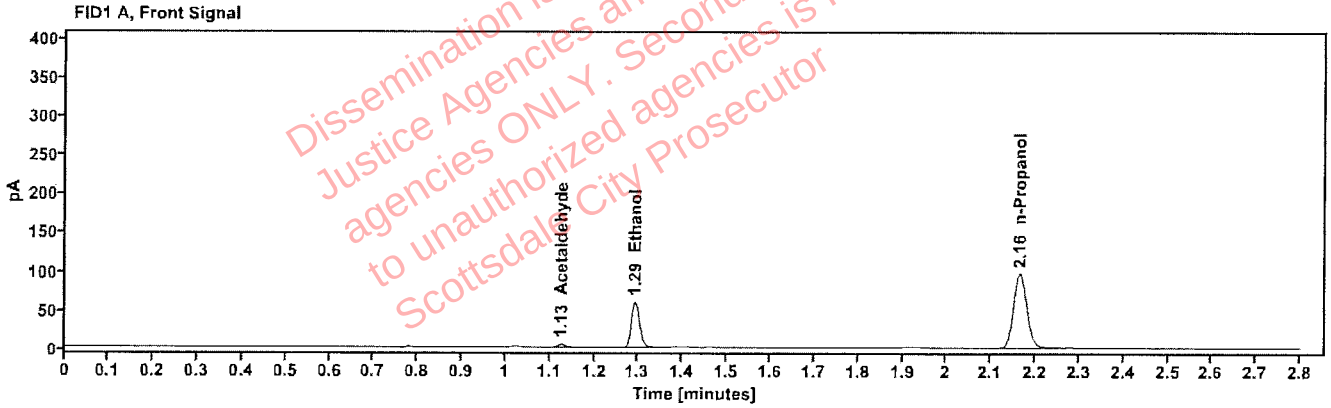

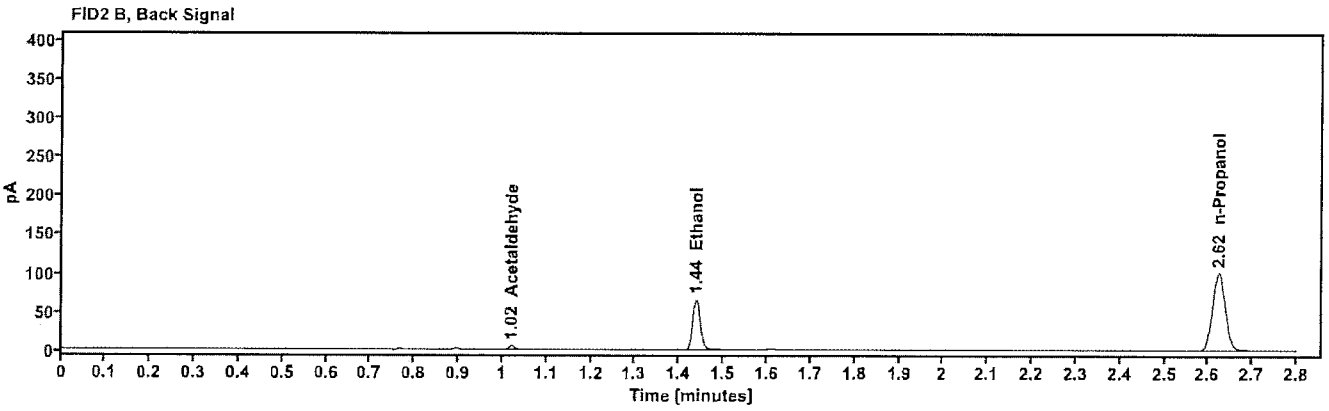

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	----	1.126	4.238
quantified Ethanol	0.0973	1.292	75.499
n-Propanol	----	2.164	199.875

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.388
Ethanol	1.438	78.103
n-Propanol	2.624	207.252

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2612967-1	**Vial:**	50
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:04:17 PM
Data file:	C:\Chem32\1\Data\16Oct26\50.D	**Analyst:**	Arroyo

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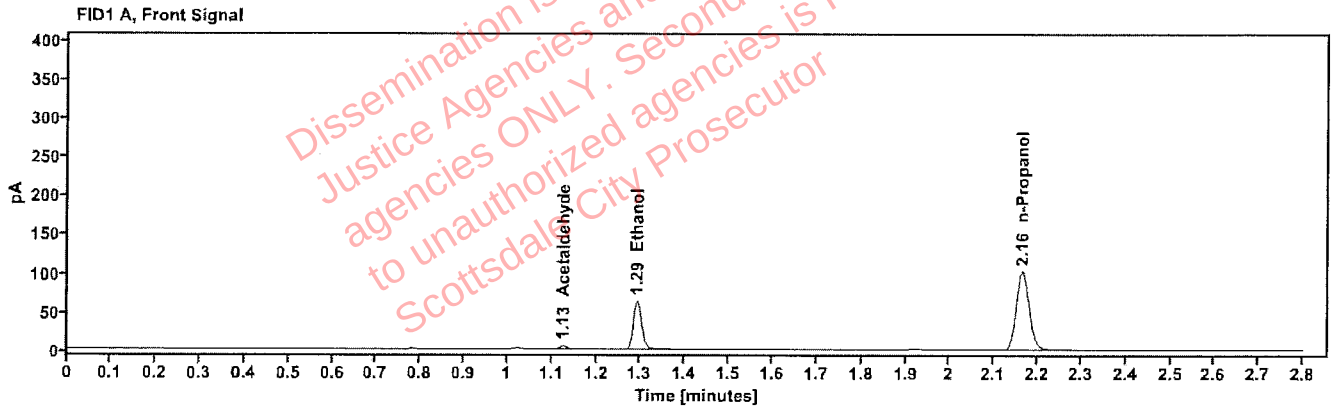

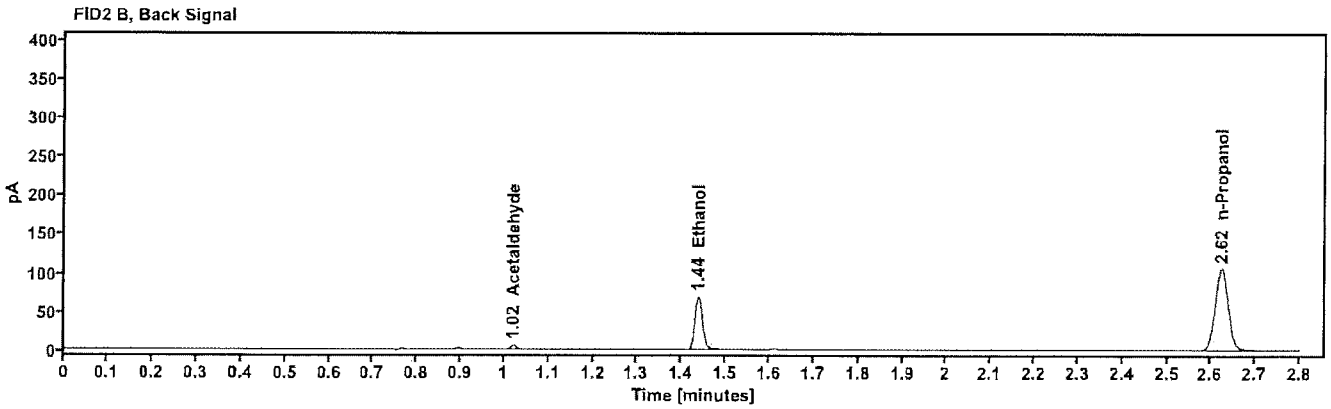

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.126	4.361
quantified Ethanol	0.0975	1.292	79.711
n-Propanol	-----	2.164	210.669

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.526
Ethanol	1.438	82.324
n-Propanol	2.624	218.166

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620572-1	**Vial:**	51
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:08:06 PM
Data file:	C:\Chem32\1\Data\16Oct26\51.D	**Analyst:**	Arroyo

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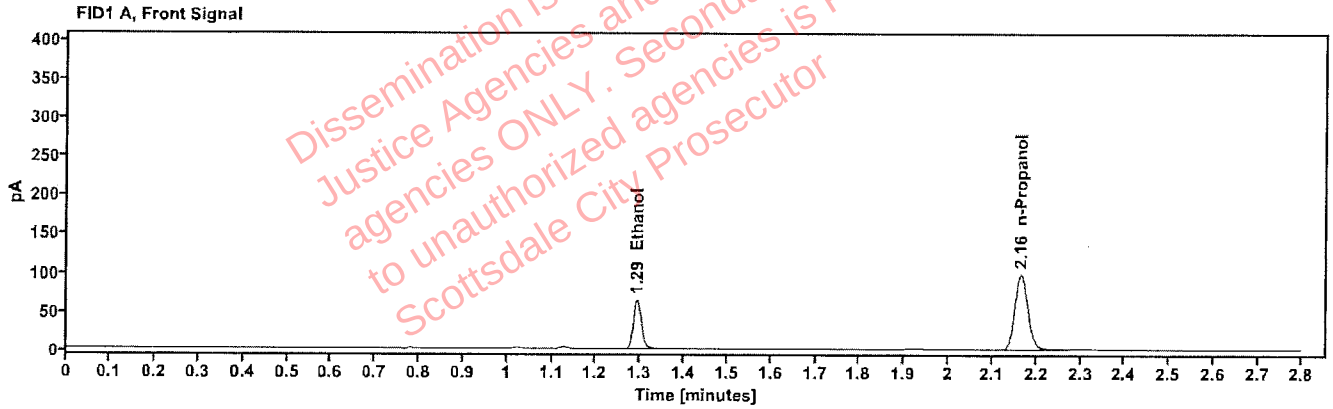

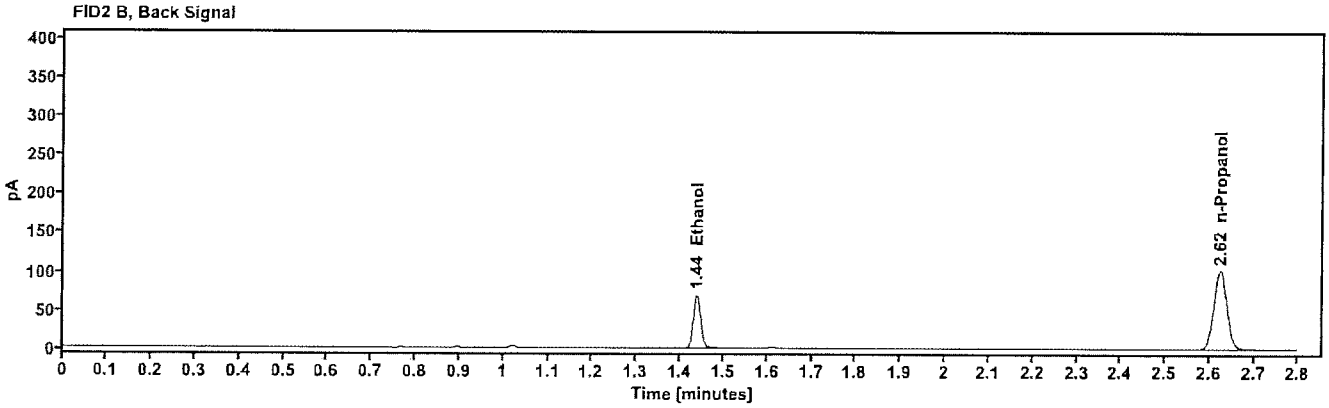

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1019	1.292	80.119
n-Propanol	-----	2.164	202.459

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

Compound	Time (min)	Peak Area
Ethanol	1.438	82.747
n-Propanol	2.624	209.644

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620572-1	**Vial:**	52
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:11:54 PM
Data file:	C:\Chem32\1\Data\16Oct26\52.D	**Analyst:**	Arroyo

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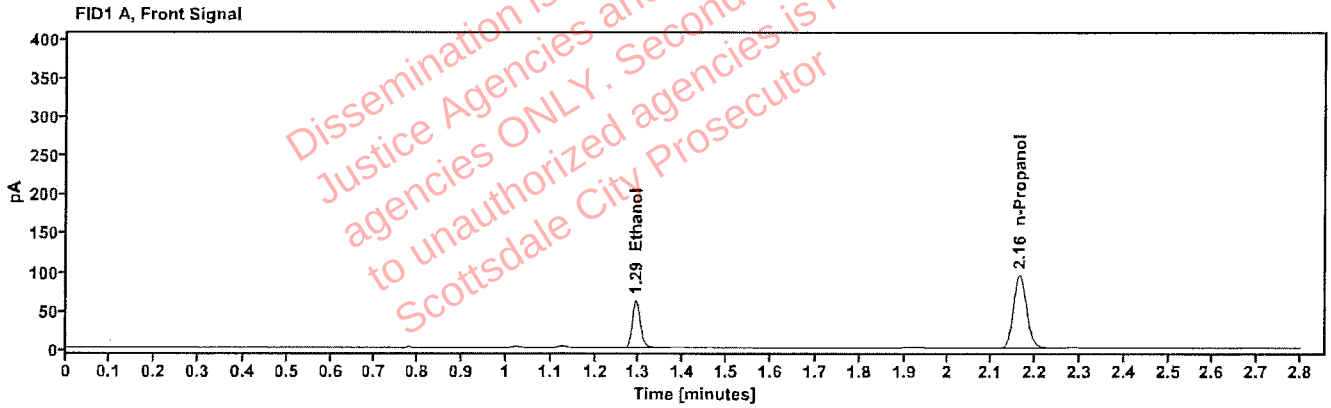

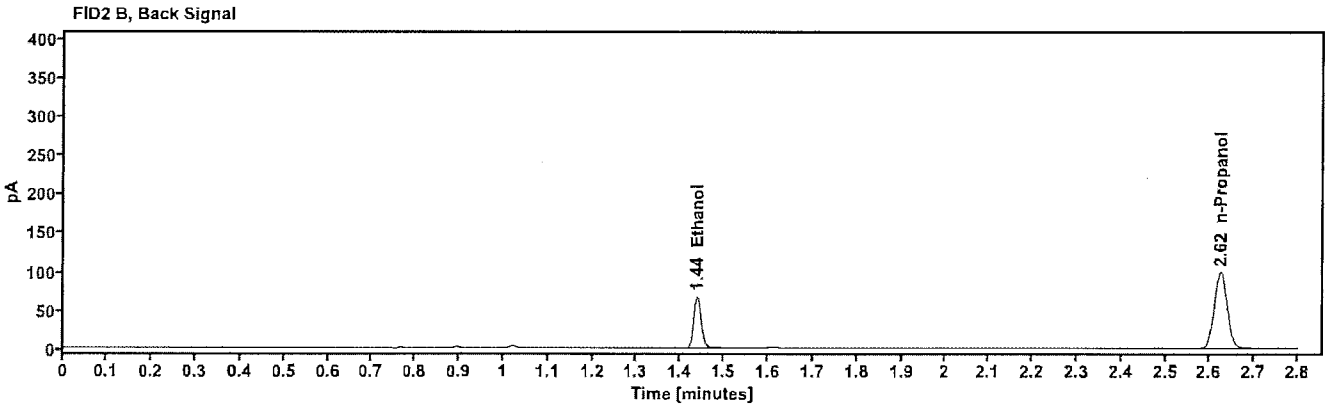

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1018	1.292	77.675
n-Propanol	-----	2.164	196.508

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

Compound	Time (min)	Peak Area
Ethanol	1.438	80.394
n-Propanol	2.624	203.660

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620575-2	**Vial:**	54
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:19:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\54.D	**Analyst:**	Arroyo

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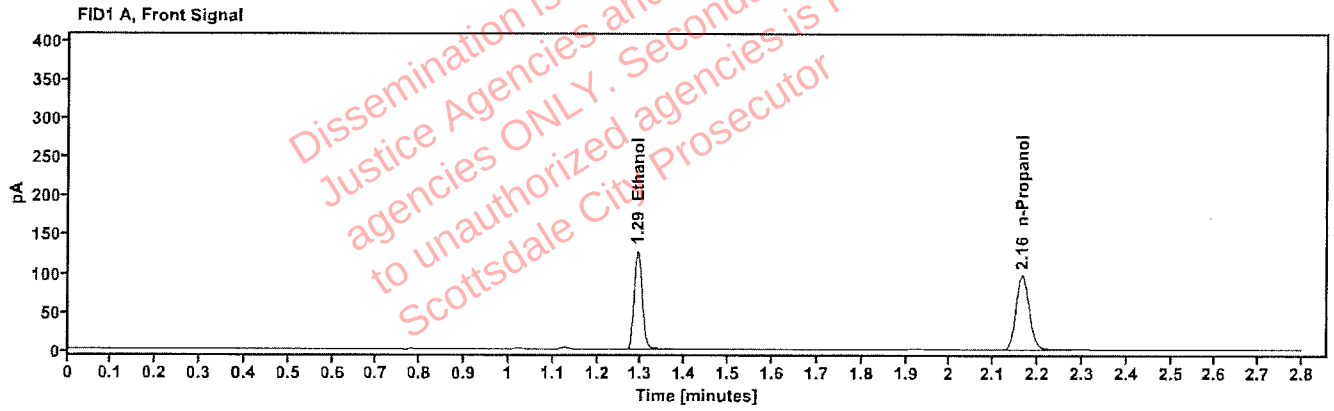

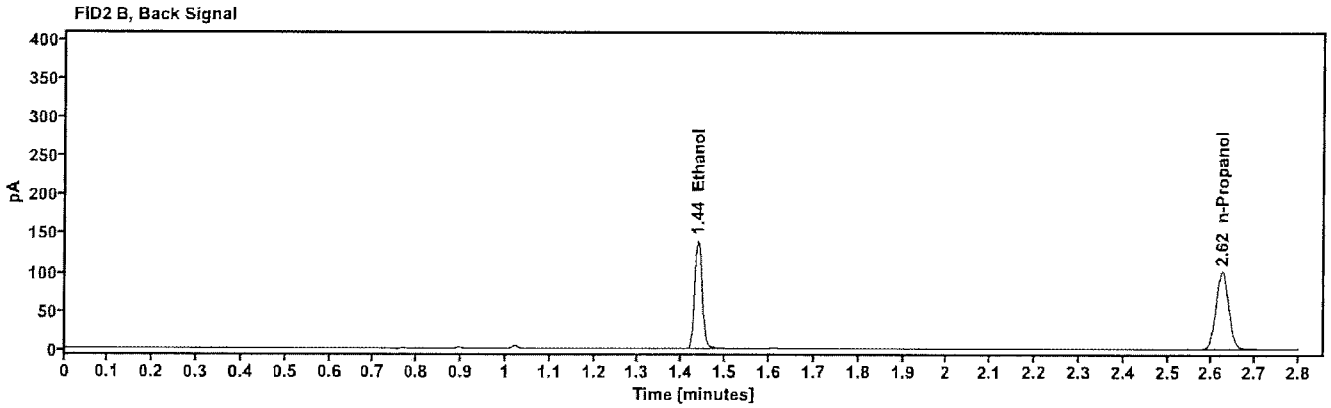

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2087	1.292	162.561
n-Propanol	-----	2.164	200.113

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

Compound	Time (min)	Peak Area
Ethanol	1.438	168.259
n-Propanol	2.624	207.037

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620575-2	**Vial:**	55
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:24:29 PM
Data file:	C:\Chem32\1\Data\16Oct26\55.D	**Analyst:**	Arroyo

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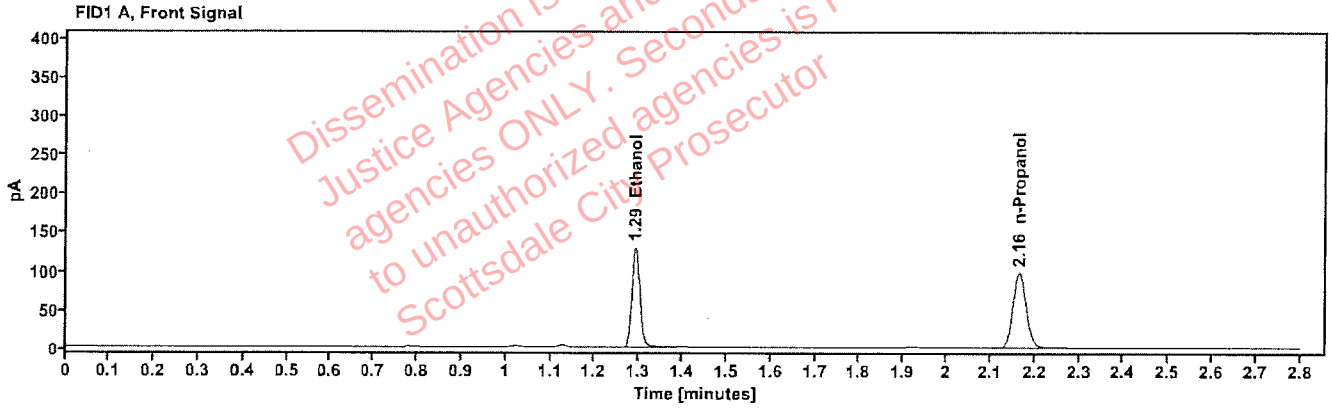

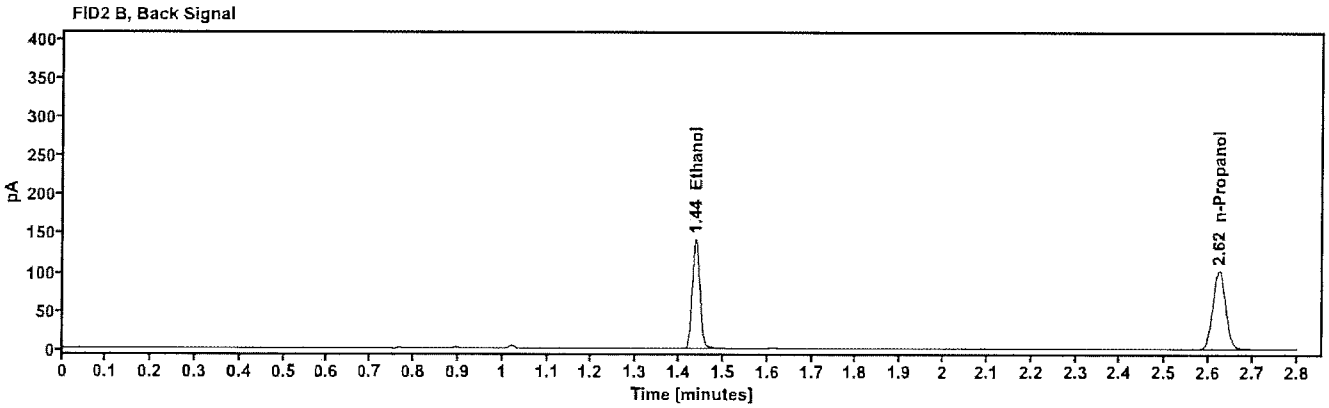

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2087	1.292	164.522
n-Propanol	-----	2.164	202.542

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

Compound	Time (min)	Peak Area
Ethanol	1.438	170.905
n-Propanol	2.624	209.618

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620643-2	**Vial:**	56
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:28:17 PM
Data file:	C:\Chem32\1\Data\16Oct26\56.D	**Analyst:**	Arroyo

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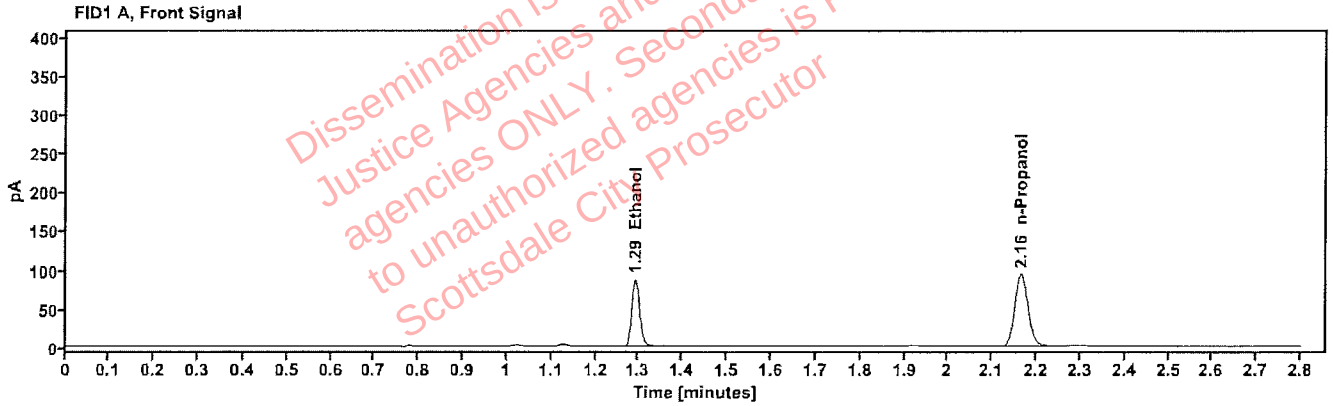

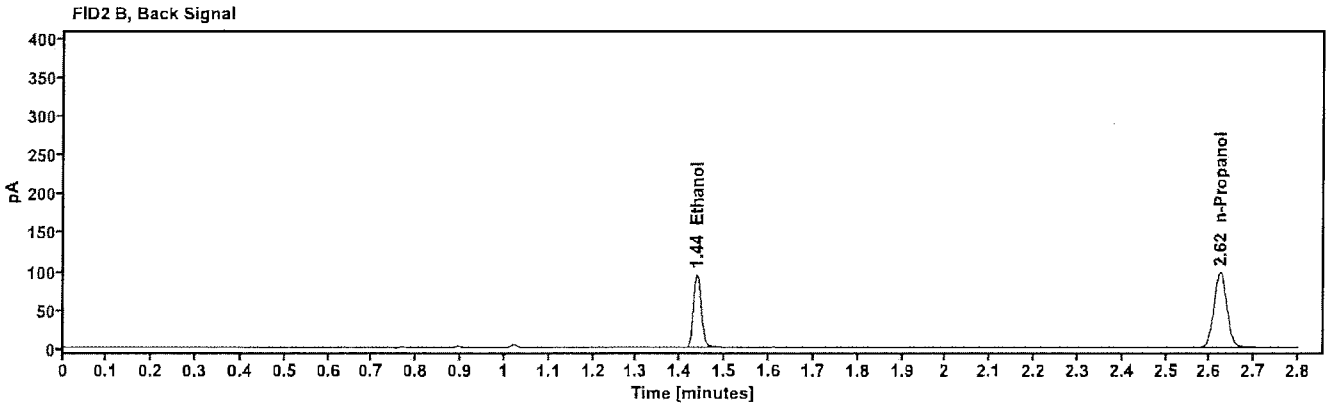

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1467	1.292	110.545
n-Propanol	-----	2.164	193.734

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

Compound	Time (min)	Peak Area
Ethanol	1.438	114.231
n-Propanol	2.624	200.554

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620643-2	**Vial:**	57
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:32:06 PM
Data file:	C:\Chem32\1\Data\16Oct26\57.D	**Analyst:**	Arroyo

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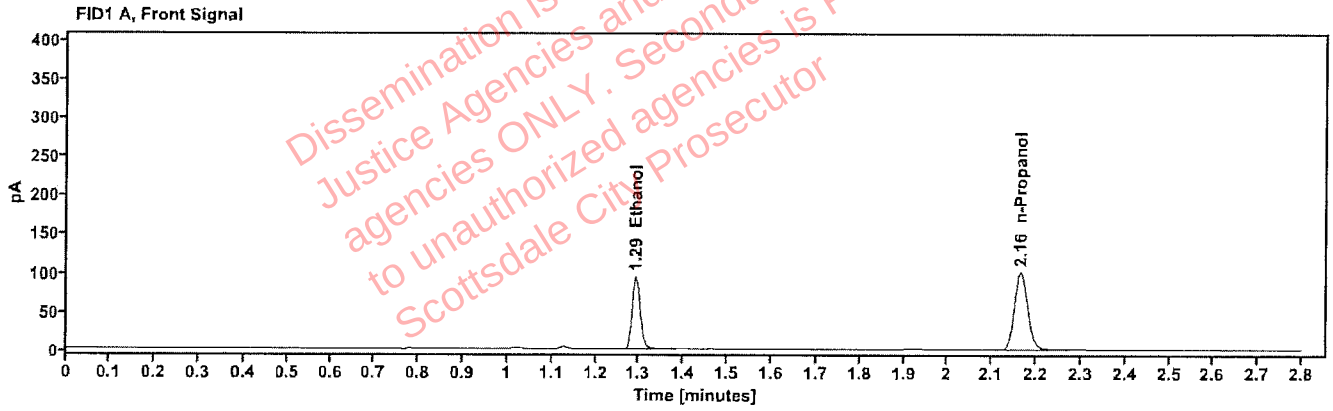

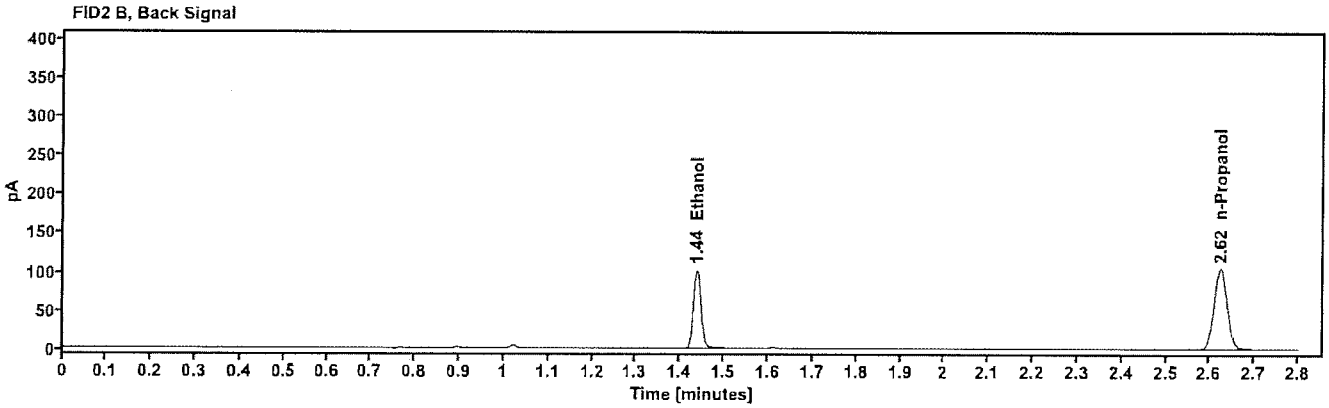

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1464	1.292	118.573
n-Propanol	-----	2.165	208.249

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

Compound	Time (min)	Peak Area
Ethanol	1.438	122.644
n-Propanol	2.624	215.581

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2619828-1	**Vial:**	58
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:35:53 PM
Data file:	C:\Chem32\1\Data\16Oct26\58.D	**Analyst:**	Arroyo

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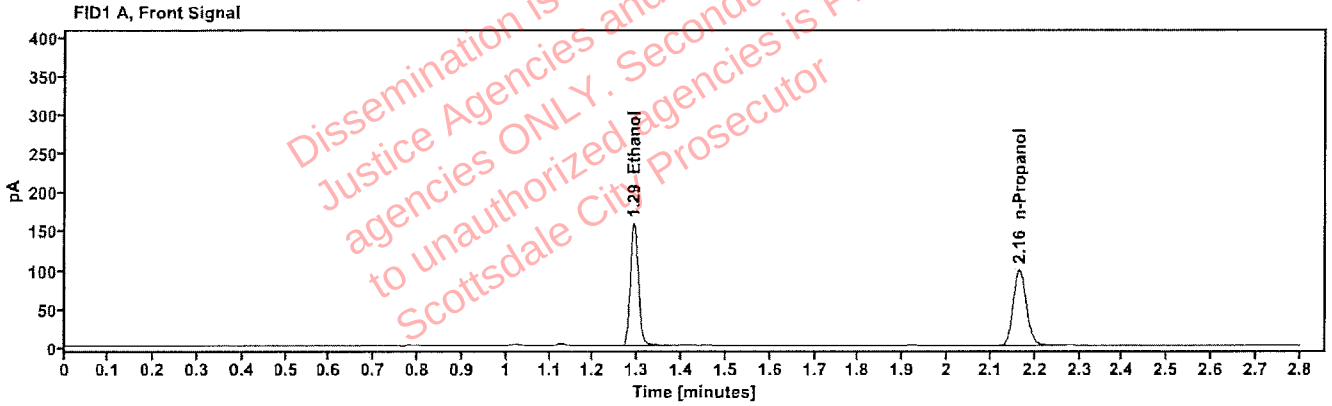

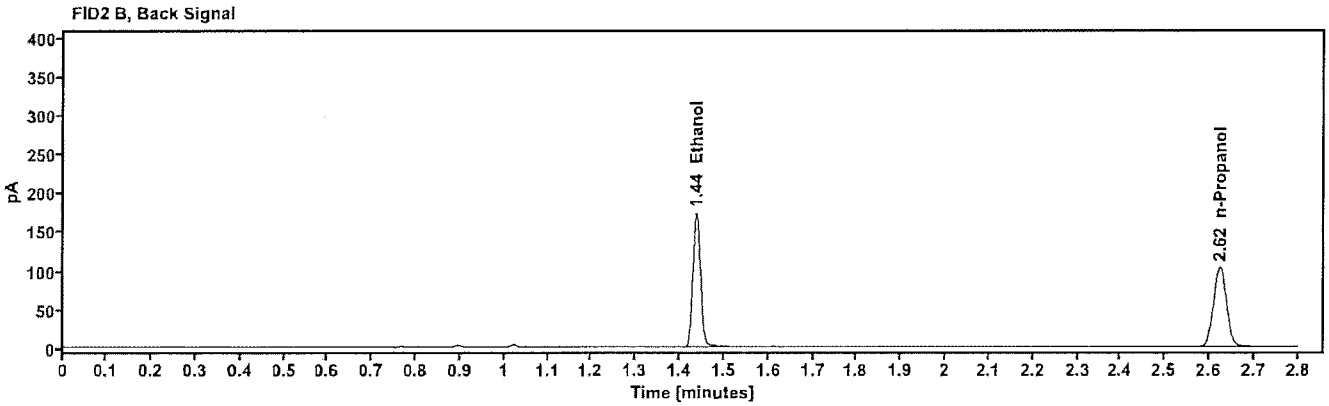

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2529	1.291	201.315
n-Propanol	-----	2.164	204.378

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

Compound	Time (min)	Peak Area
Ethanol	1.438	208.734
n-Propanol	2.624	211.841

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2619828-1	**Vial:**	59
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:39:42 PM
Data file:	C:\Chem32\1\Data\16Oct26\59.D	**Analyst:**	Arroyo

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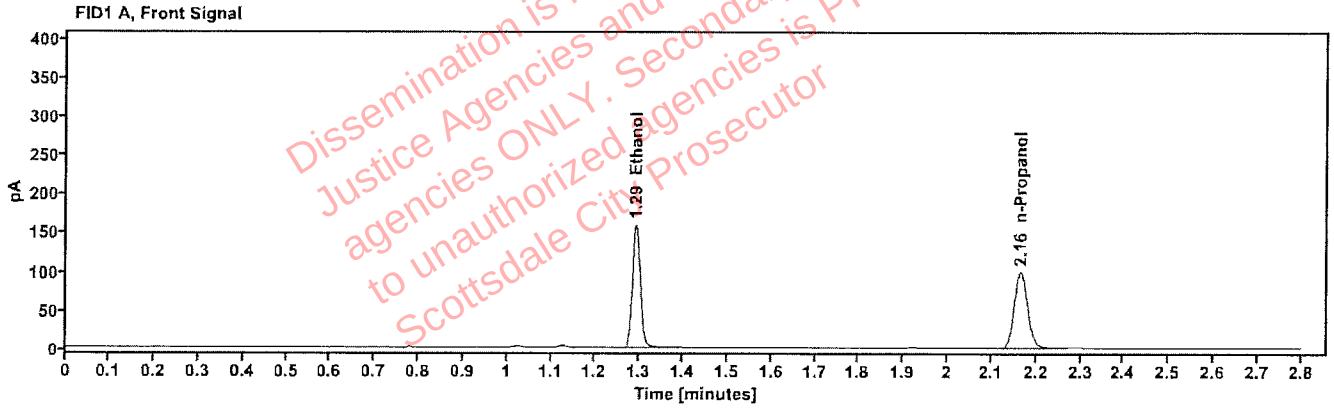

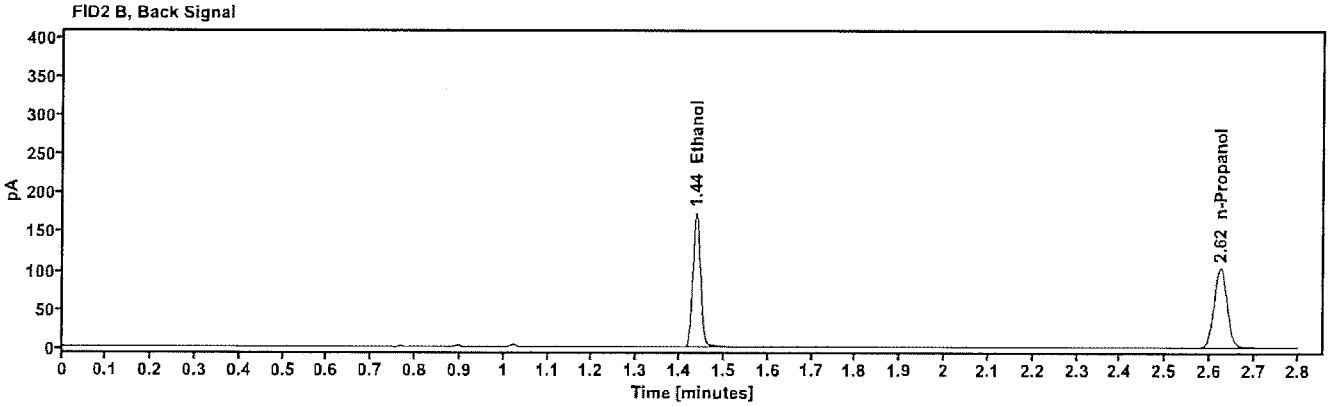

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2523	1.291	201.877
n-Propanol	------	2.164	205.399

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

Compound	Time (min)	Peak Area
Ethanol	1.438	209.446
n-Propanol	2.624	212.916

[redacted] Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620767-3	**Vial:**	60
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:43:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\60.D	**Analyst:**	Arroyo

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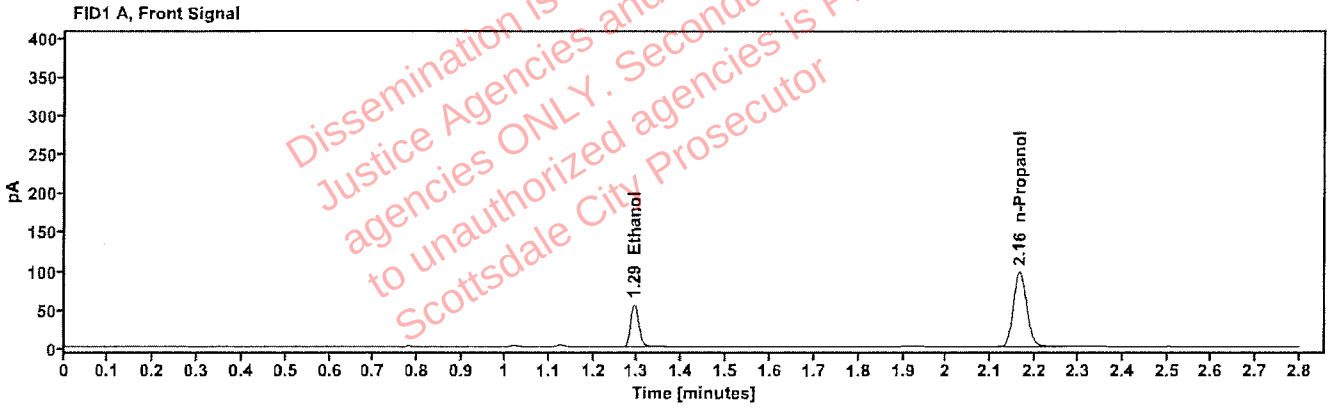

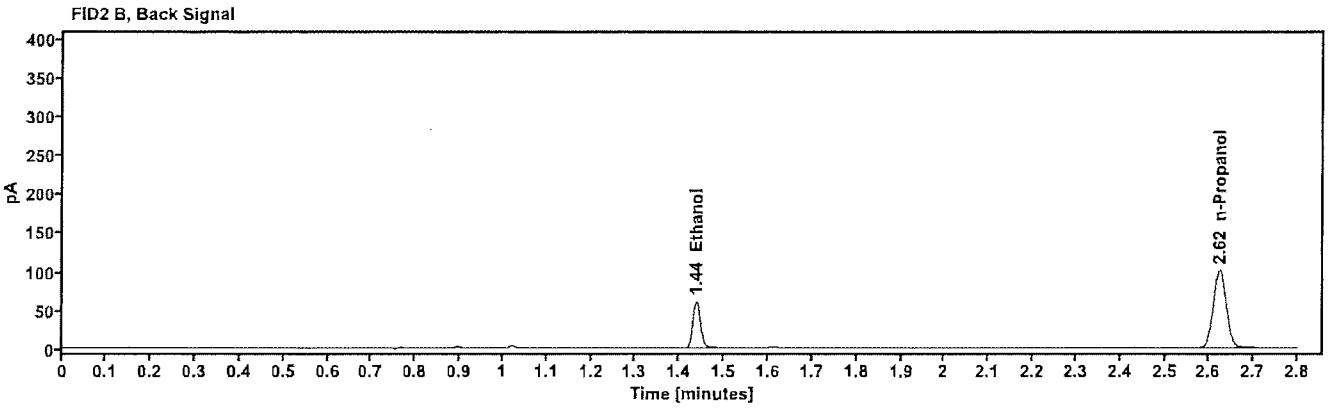

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0906	1.292	70.655
n-Propanol	------	2.164	201.114

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

Compound	Time (min)	Peak Area
Ethanol	1.438	73.001
n-Propanol	2.624	208.184

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620767-3	**Vial:**	61
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:48:30 PM
Data file:	C:\Chem32\1\Data\16Oct26\61.D	**Analyst:**	Arroyo

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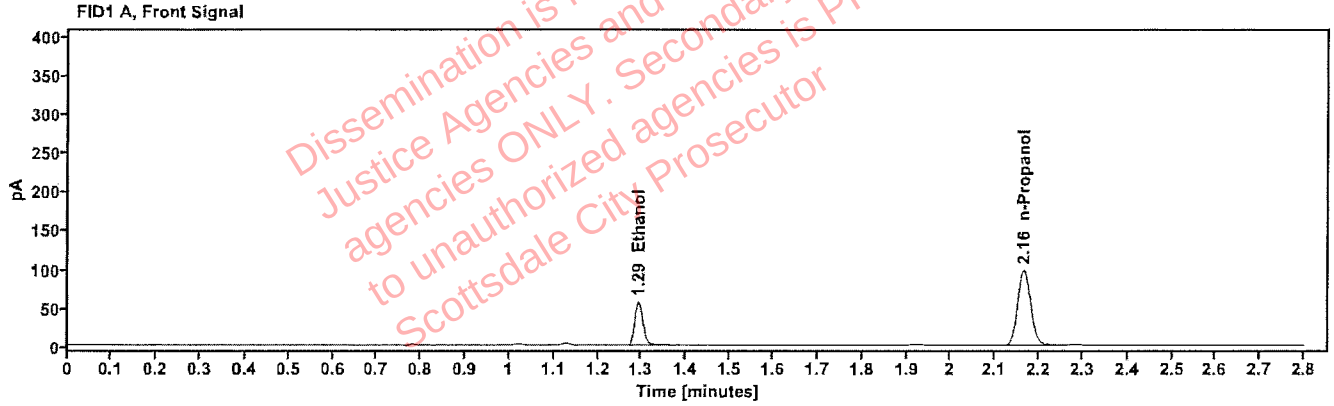

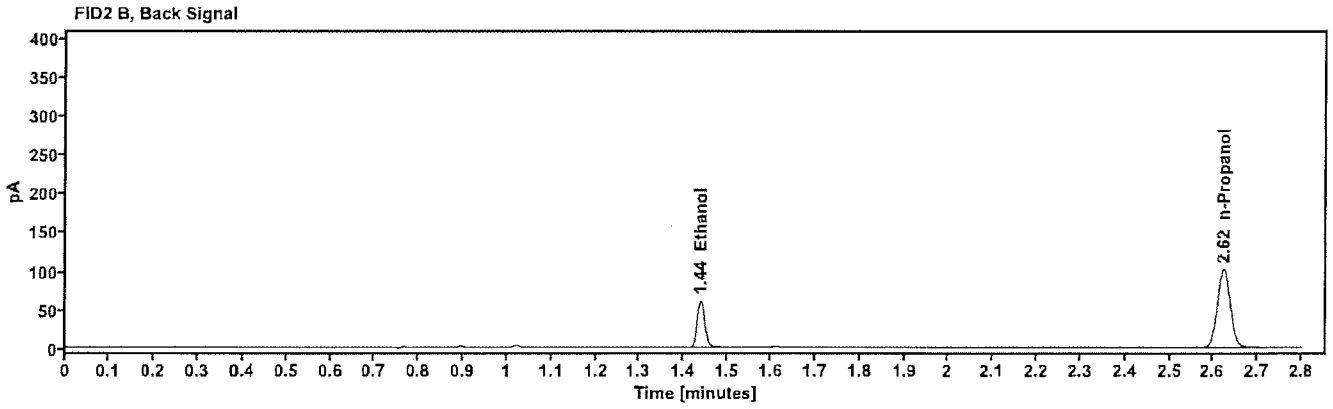

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0907	1.292	70.975
n-Propanol	-----	2.164	201.723

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

Compound	Time (min)	Peak Area
Ethanol	1.438	73.419
n-Propanol	2.624	209.075

[redacted]: Arroyo, Alexandra - (10-16-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620710-1	**Vial:**	62
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:52:18 PM
Data file:	C:\Chem32\1\Data\16Oct26\62.D	**Analyst:**	Arroyo

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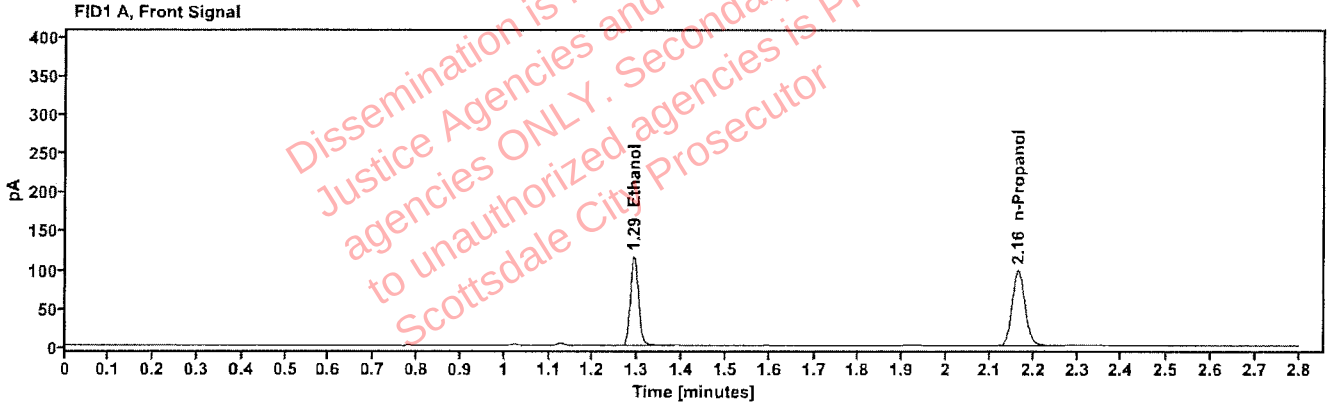

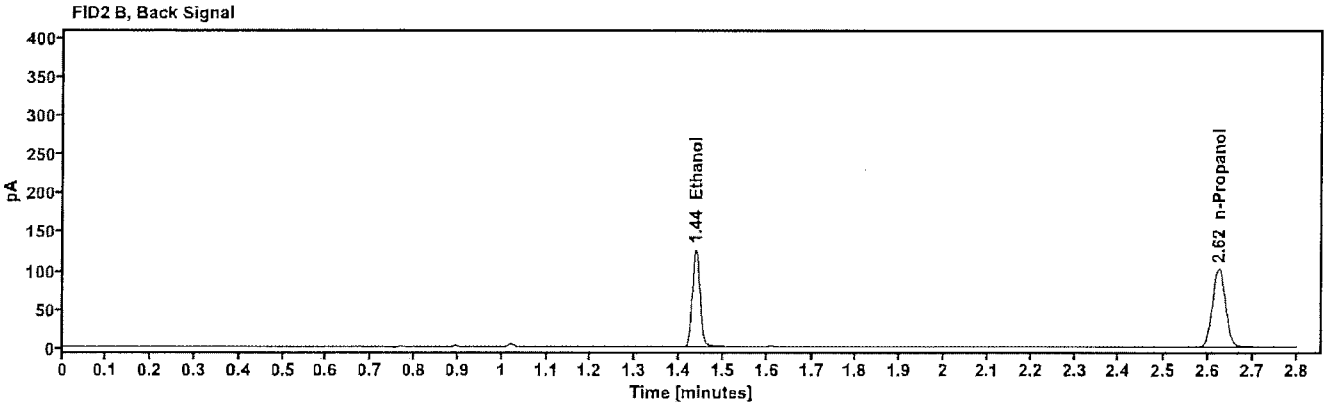

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1862	1.292	146.816
n-Propanol	------	2.164	202.571

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

Compound	Time (min)	Peak Area
Ethanol	1.438	151.780
n-Propanol	2.624	209.550

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2620710-1	**Vial:**	63
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	16Oct26
Instrument:	US2320A024 US23180007	**Injection date:**	10/16/2026 2:56:05 PM
Data file:	C:\Chem32\1\Data\16Oct26\63.D	**Analyst:**	Arroyo

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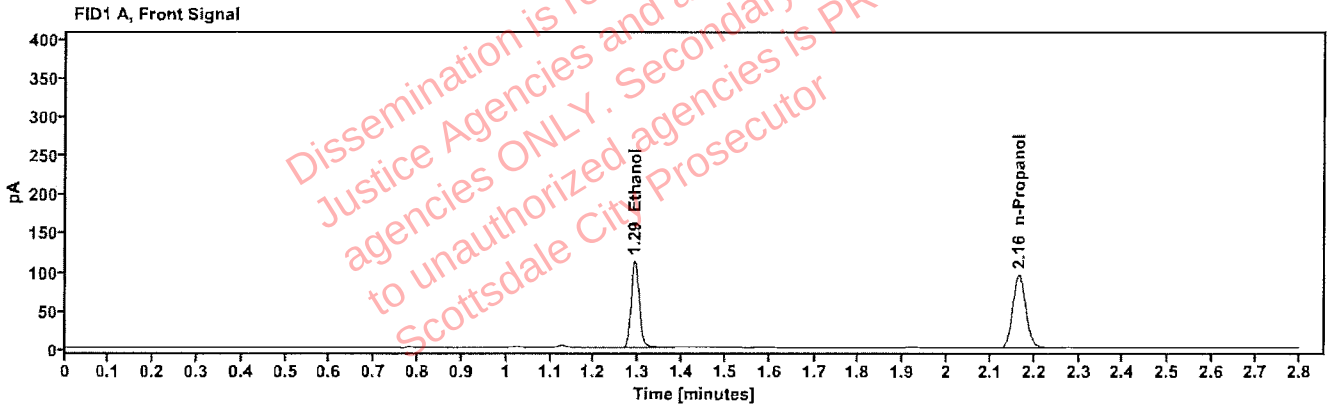

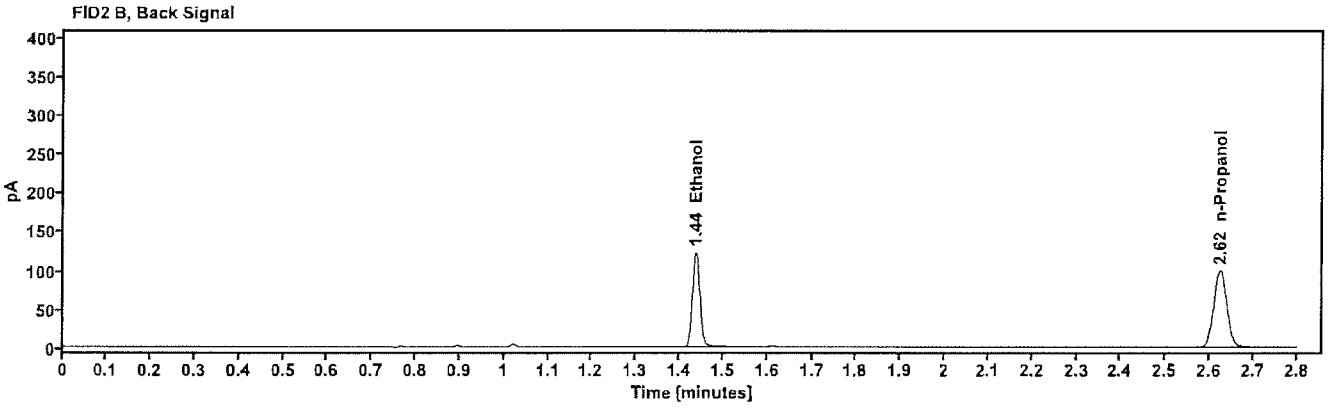

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1859	1.292	142.696
n-Propanol	-----	2.164	197.202

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

Compound	Time (min)	Peak Area
Ethanol	1.437	147.889
n-Propanol	2.624	204.024