SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY
BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 11/12/26 SEQUENCE NAME 12Nov26

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) 0.99982

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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	0.041 g/dL	Lipomed 529862
9	Blood control	0.201 d/dL	0.200 g/dL	ACQ 4190425129/6
20	Aqueous control	0.100 g/dL	0.101 g/dL	Lipomed C1455120
31	Aqueous control	0.100 g/dL	0.101 g/dL	Lipomed C1455120
42	Blood control	0.201 g/dL	0.199 g/dL	ACQ 4190425129/6
53	Aqueous control	0.400 g/dL	0.402 g/dL	Lipomed C1475825
54	Aqueous control	0.040 g/dL	0.040 g/dL	Lipomed 529862
55	Blood control	0.201 g/dL	0.200 g/dL	ACQ 4190425129/6
56	Blank	Not detected	Not detected	SPD lab 092926AQ

SUBJECT SAMPLES

Subjects in the sequence 20 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected.

Run valid ☒
Run invalid ☐
Alexandra J Arroyo
Analyst

Run valid ☑
Run invalid ☐
Technical Reviewer

Scottsdale Police Department Crime Laboratory

Sequence Quality Assurance Summary

Sequence: 12Nov26 **Analyst: Arroyo** aje

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	0.041	0.040	2.50	0.001
0.201 4190425129/6	9	0.200	0.201	0.50	0.001
0.100 C1455120	20	0.101	0.100	1.00	0.001
0.100 C1455120	31	0.101	0.100	1.00	0.001
0.201 4190425129/6	42	0.199	0.201	1.00	0.002
0.400 C1475825	53	0.402	0.400	0.50	0.002
0.040 529862	54	0.040	0.040	0.00	0.000
0.201 4190425129/6	55	0.200	0.201	0.50	0.001
blank 092926AQ	56	negative	negative	-	-

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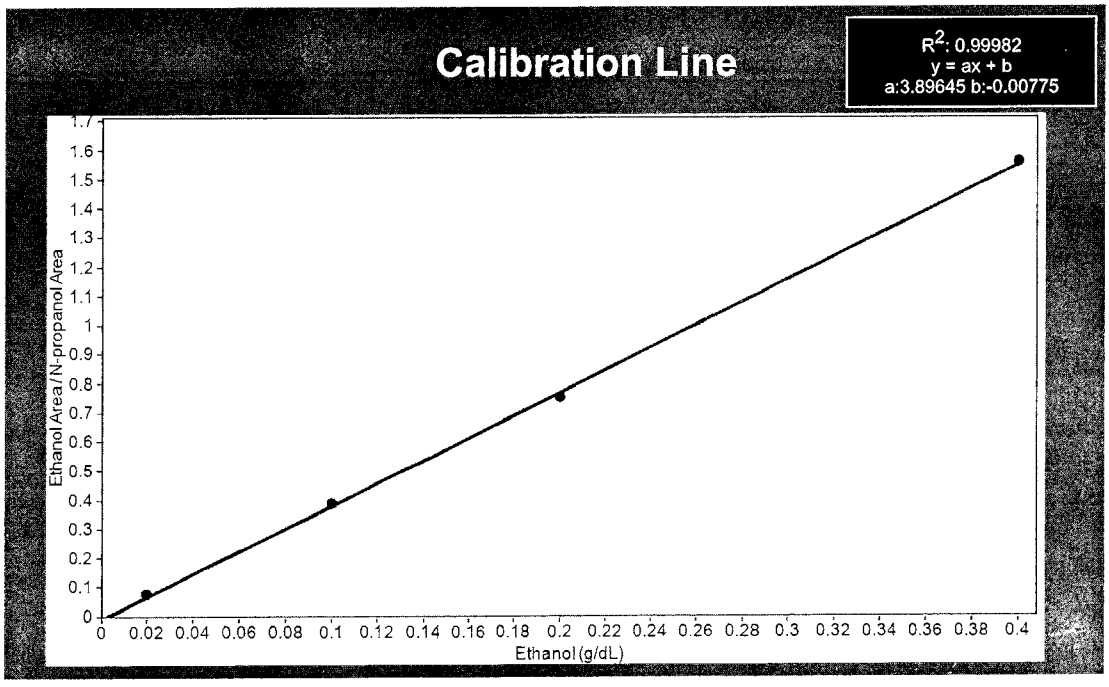
Calibrator	Ethanol Area	N-propanol Area	Ratio
0.020	16.037	210.426	0.076
0.100	78.409	203.113	0.386
0.200	136.391	180.926	0.754
0.400	323.876	207.835	1.558



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN03062417	**Vial:**	1
Description:	0.020 Calibrator	**Sequence:**	12Nov26
Method:	ethanol quant.M	**Injection date:**	11/12/2026 10:05:47 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\12Nov26\1.D		

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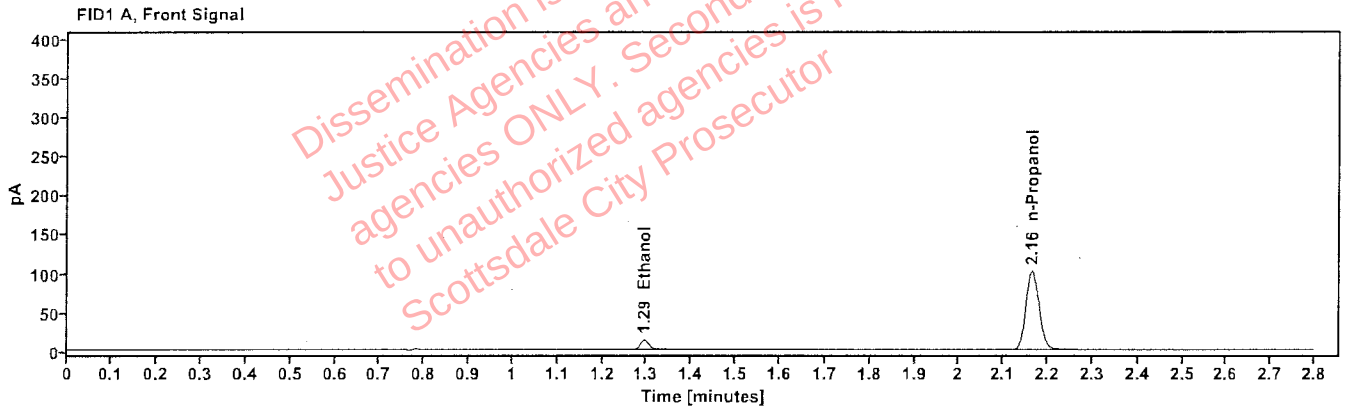

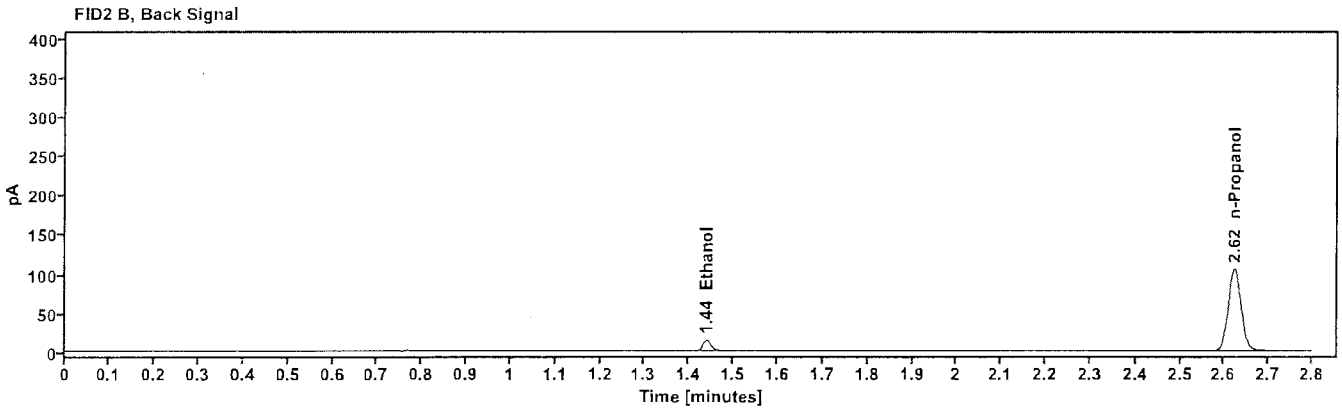

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.294	16.037
n-Propanol	2.164	210.426

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

Compound	Time (min)	Peak Area
Ethanol	1.439	16.721
n-Propanol	2.624	217.907

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN04042408	**Vial:**	2
Description:	0.100 Calibrator	**Sequence:**	12Nov26
Method:	ethanol quant.M	**Injection date:**	11/12/2026 10:09:35 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\12Nov26\2.D		

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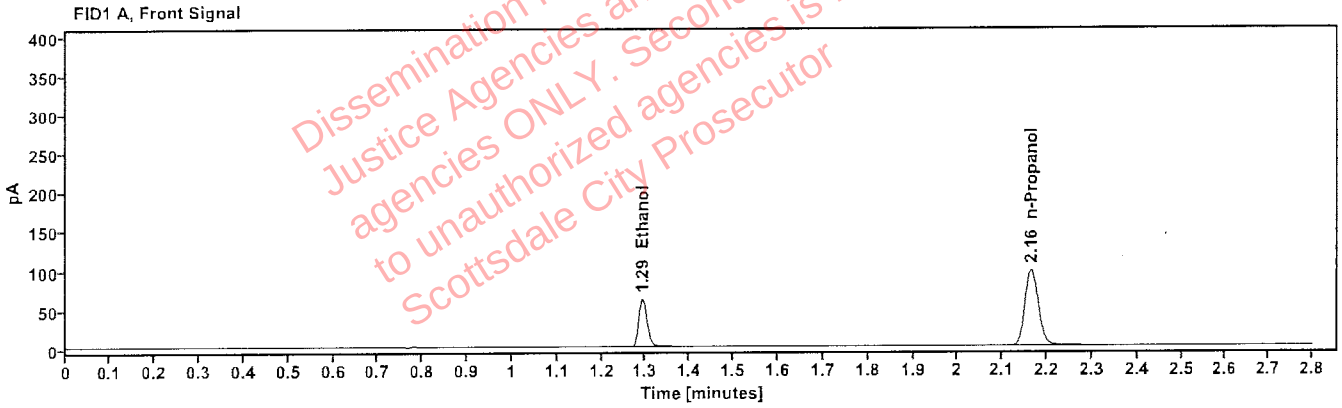

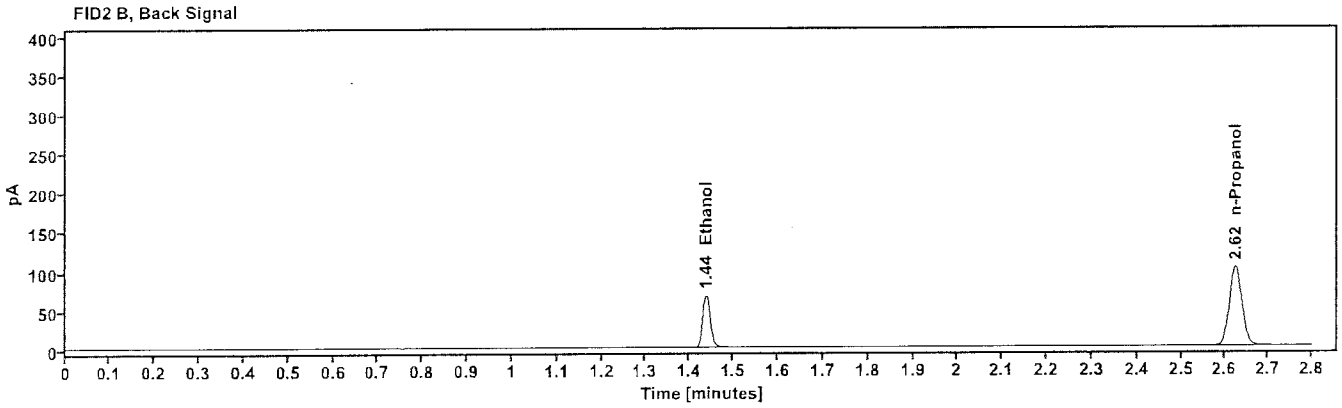

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.293	78.409
n-Propanol	2.165	203.113

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

Compound	Time (min)	Peak Area
Ethanol	1.438	81.429
n-Propanol	2.624	210.492

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN07012401	**Vial:**	3
Description:	0.200 Calibrator	**Sequence:**	12Nov26
Method:	ethanol quant.M	**Injection date:**	11/12/2026 10:13:22 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\12Nov26\3.D		

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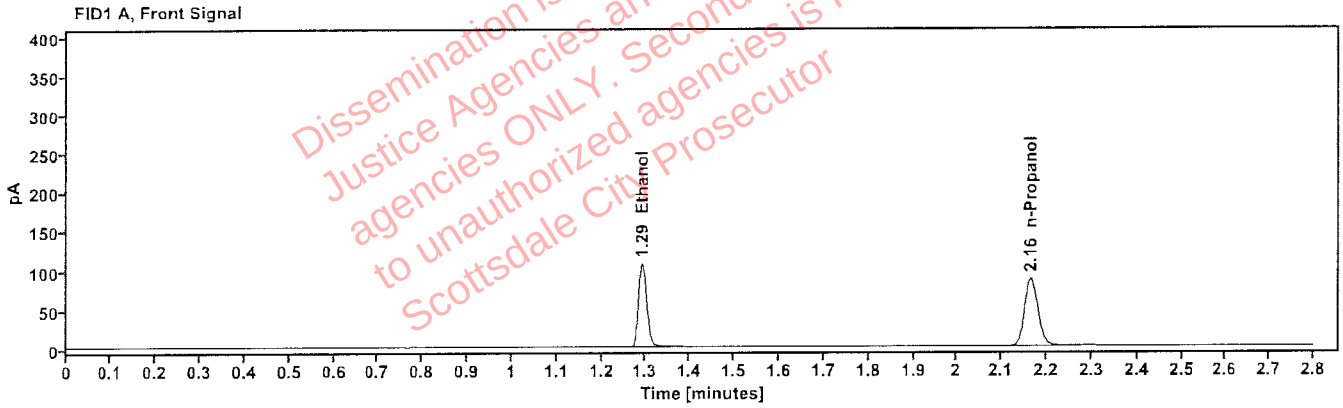

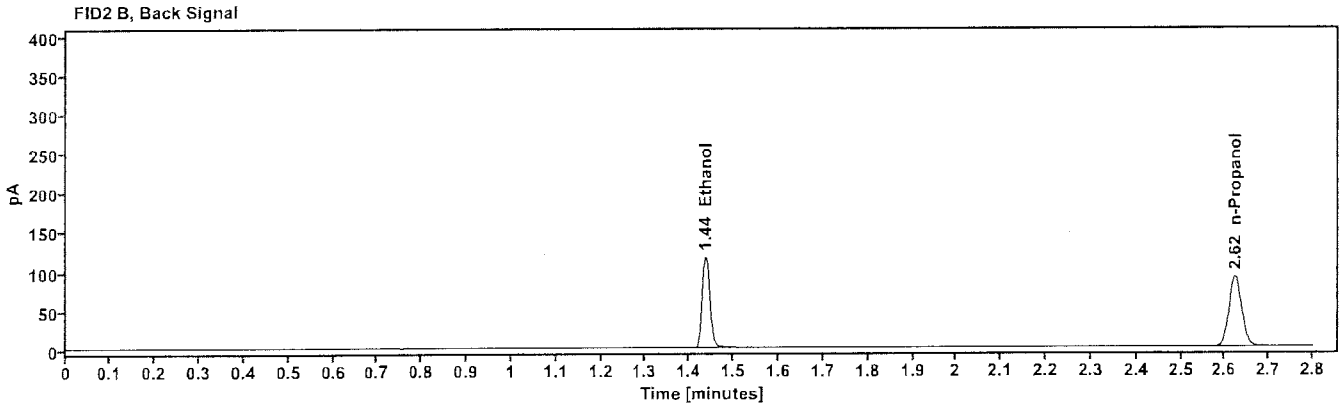

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.292	136.391
n-Propanol	2.165	180.926

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

Compound	Time (min)	Peak Area
Ethanol	1.437	141.487
n-Propanol	2.623	187.482

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	FN04092401	**Vial:**	4
Description:	0.400 Calibrator	**Sequence:**	12Nov26
Method:	ethanol quant.M	**Injection date:**	11/12/2026 10:17:10 AM
Instrument:	US2320A024 US23180007	**Analyst:**	Arroyo
Data file:	C:\Chem32\1\Data\12Nov26\4.D		

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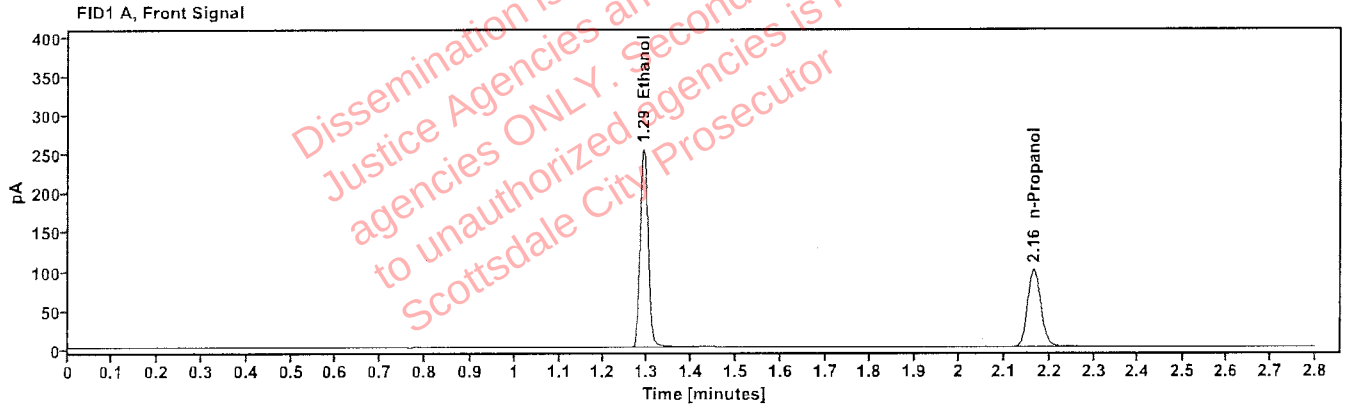

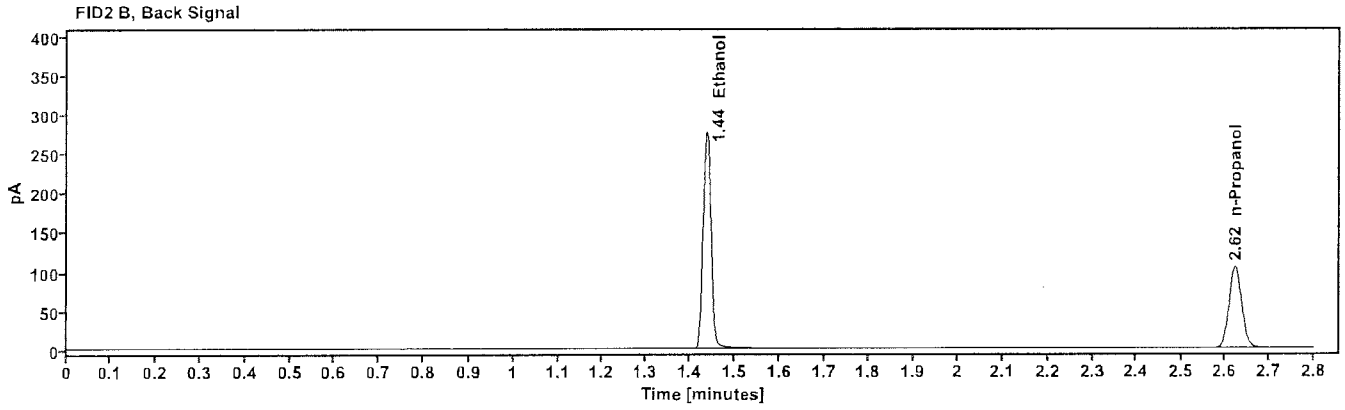

Table 1: FID 1 A (column DB-ALC1)

Compound	Time (min)	Peak Area
Ethanol	1.291	323.876
n-Propanol	2.165	207.835

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

Compound	Time (min)	Peak Area
Ethanol	1.438	335.588
n-Propanol	2.624	215.363

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	061026WB	**Vial:**	5
Description:	negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:20:59 AM
Data file:	C:\Chem32\1\Data\12Nov26\5.D	**Analyst:**	Arroyo

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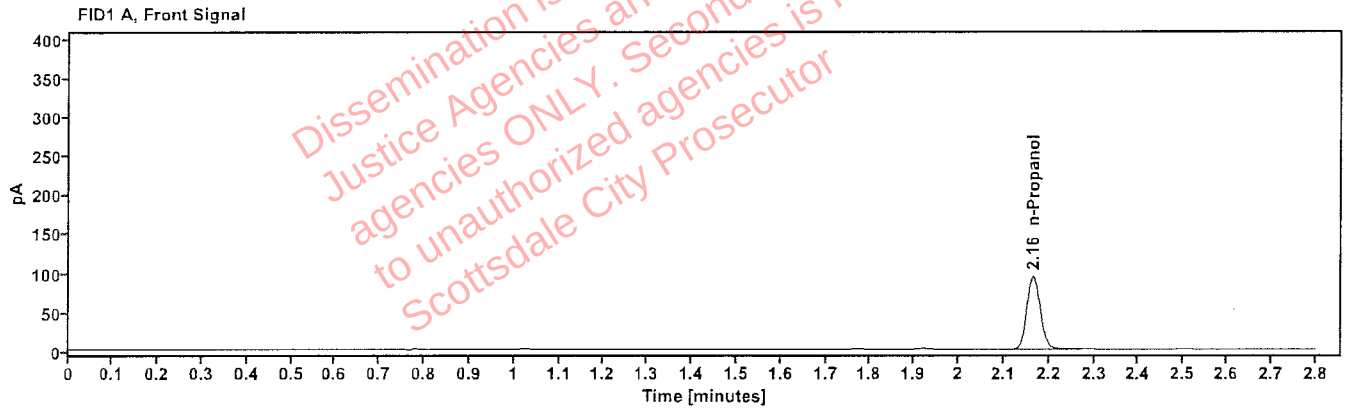

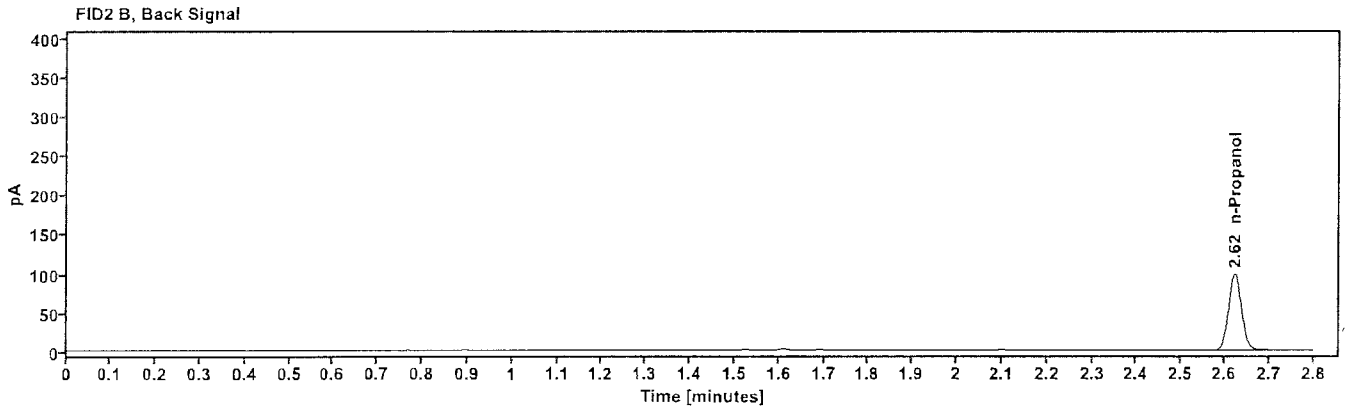

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.165	194.479

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

Compound	Time (min)	Peak Area
n-Propanol	2.623	202.448

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	031726MIX	**Vial:**	6
Description:	Volatile Mix	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:24:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\6.D	**Analyst:**	Arroyo

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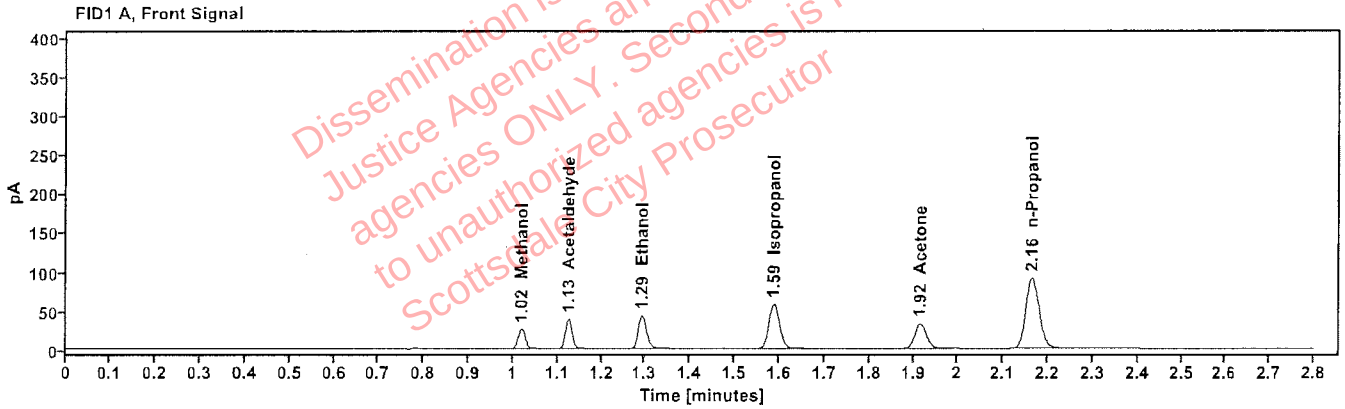

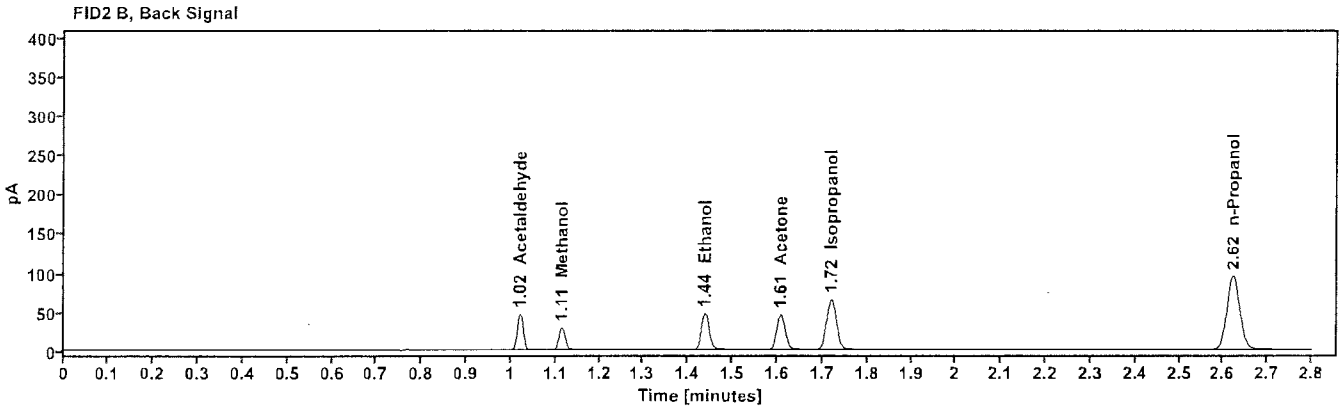

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Methanol	------	1.019	28.267
Acetaldehyde	------	1.126	41.414
quantified Ethanol	0.0760	1.293	54.718
Isopropanol	------	1.588	94.950
Acetone	------	1.916	57.916
n-Propanol	------	2.164	189.836

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.020	43.177
Methanol	1.115	29.373
Ethanol	1.438	56.756
Acetone	1.608	60.153
Isopropanol	1.720	98.552
n-Propanol	2.623	196.518

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1475825	**Vial:**	7
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:29:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\7.D	**Analyst:**	Arroyo

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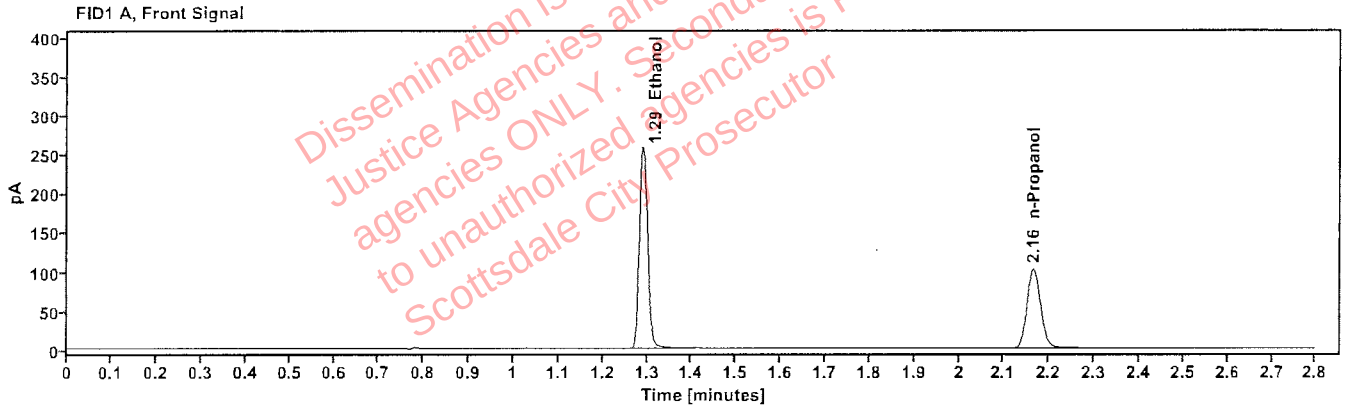

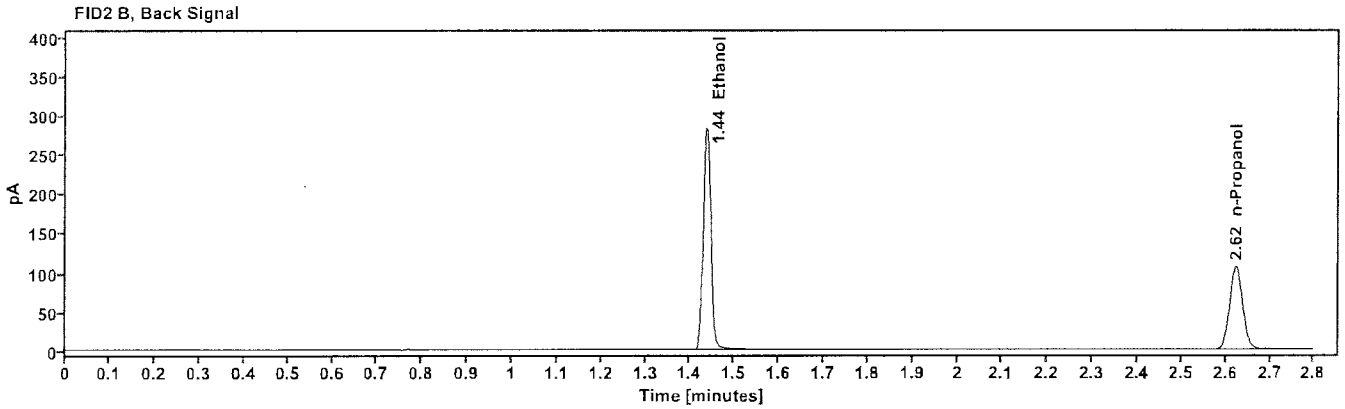

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.4018	1.291	330.203
n-Propanol	-----	2.164	211.988

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

Compound	Time (min)	Peak Area
Ethanol	1.437	342.511
n-Propanol	2.623	219.845

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	529862	**Vial:**	8
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:33:35 AM
Data file:	C:\Chem32\1\Data\12Nov26\8.D	**Analyst:**	Arroyo

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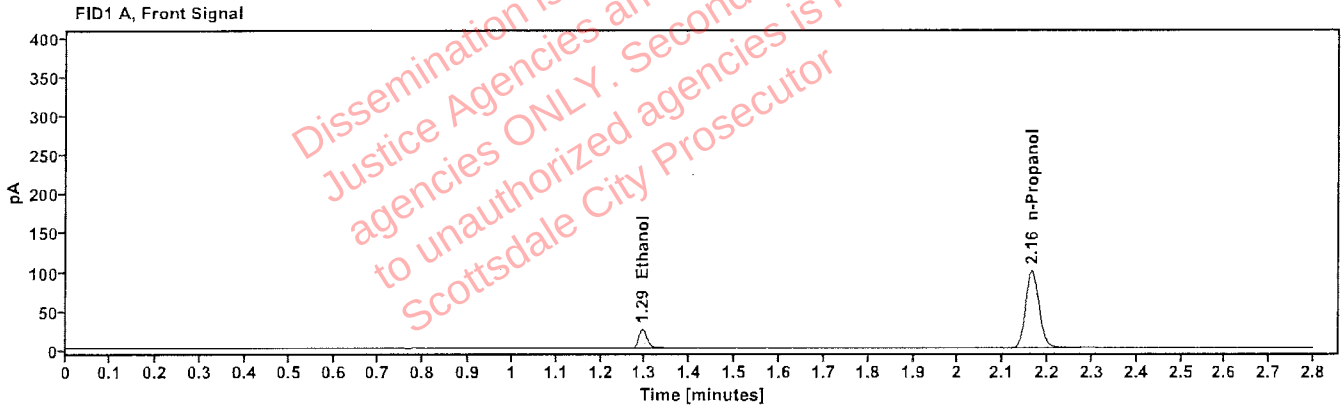

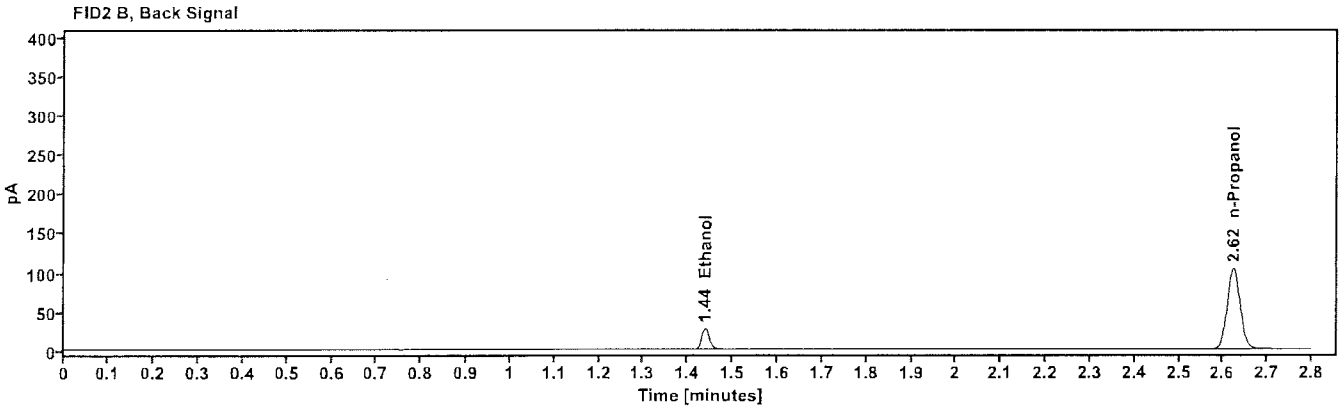

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0410	1.294	31.346
n-Propanol	-----	2.164	206.339

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

Compound	Time (min)	Peak Area
Ethanol	1.439	32.612
n-Propanol	2.624	213.968

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4190425129/6	**Vial:**	9
Description:	0.201	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:37:22 AM
Data file:	C:\Chem32\1\Data\12Nov26\9.D	**Analyst:**	Arroyo

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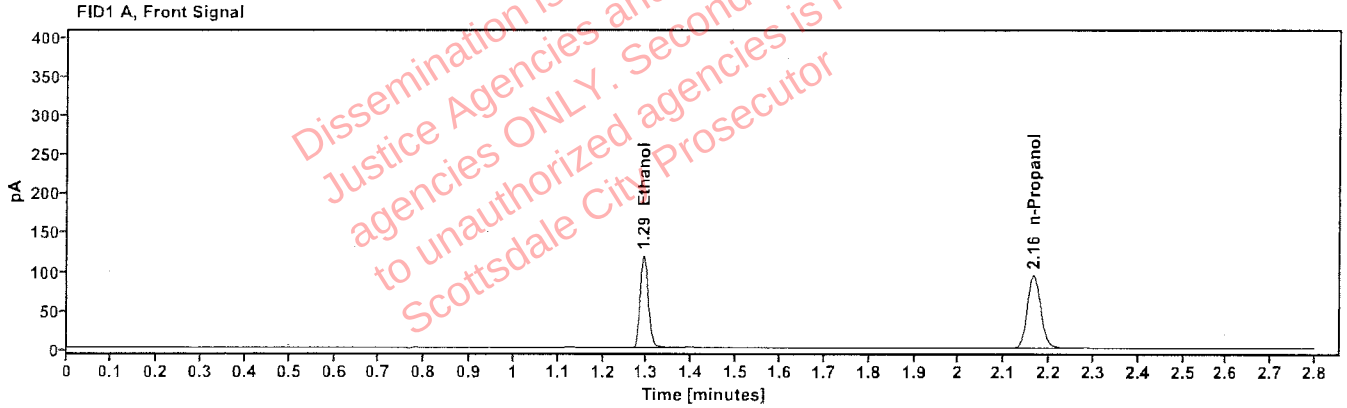

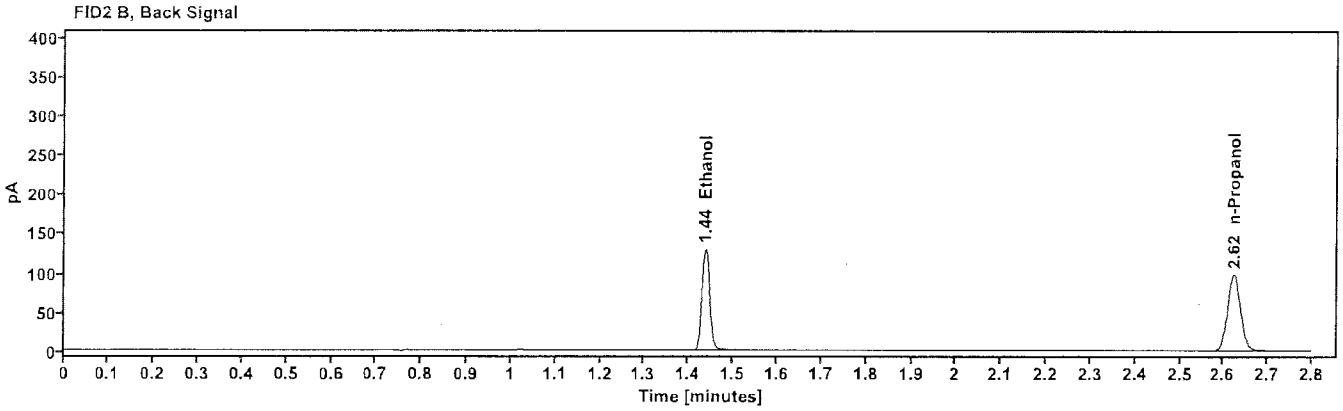

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2001	1.292	150.753
n-Propanol	------	2.165	195.249

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

Compound	Time (min)	Peak Area
Ethanol	1.438	156.373
n-Propanol	2.624	202.380

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	20
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:21:35 AM
Data file:	C:\Chem32\1\Data\12Nov26\20.D	**Analyst:**	Arroyo

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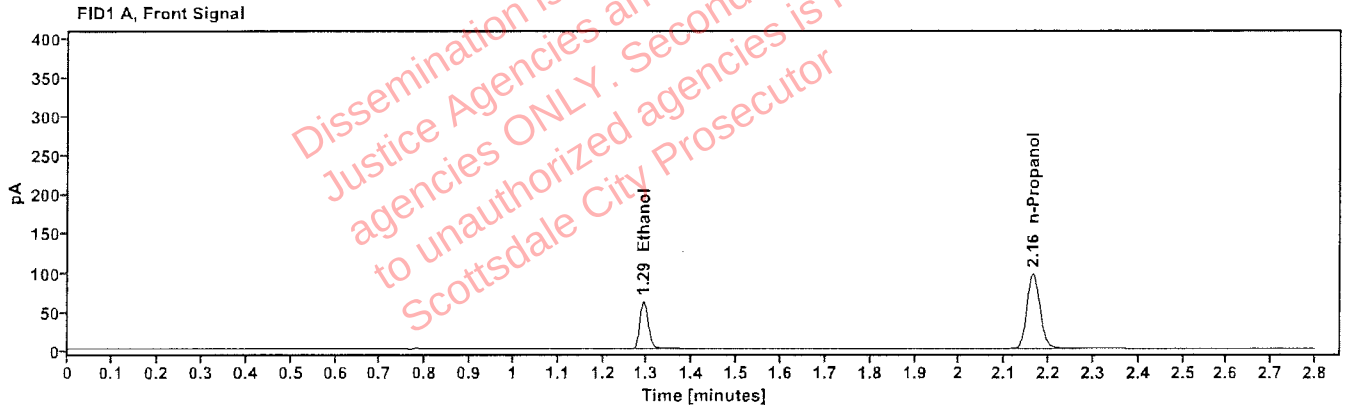

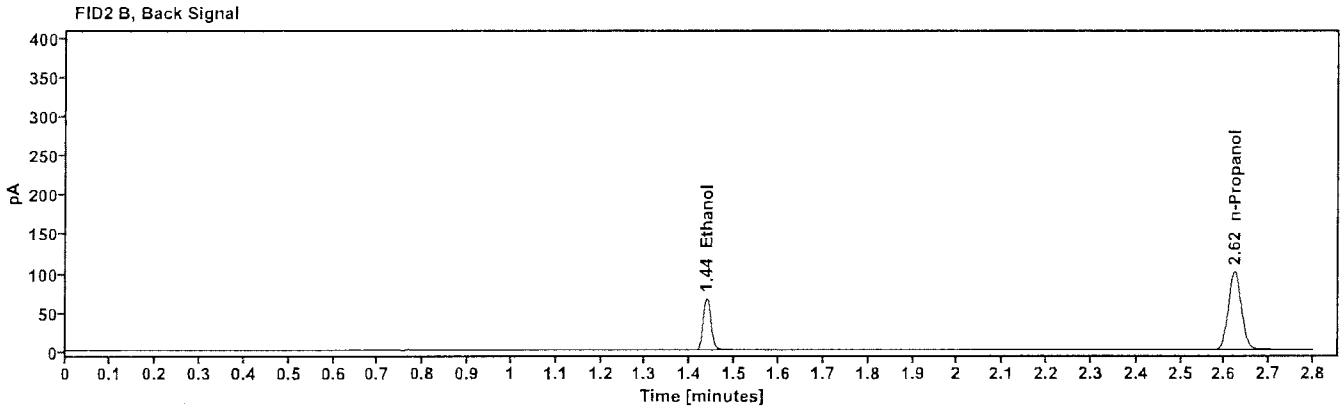

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1013	1.292	77.720
n-Propanol	-----	2.164	200.800

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

Compound	Time (min)	Peak Area
Ethanol	1.437	80.728
n-Propanol	2.623	207.957

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1455120	**Vial:**	31
Description:	0.100	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:05:46 PM
Data file:	C:\Chem32\1\Data\12Nov26\31.D	**Analyst:**	Arroyo

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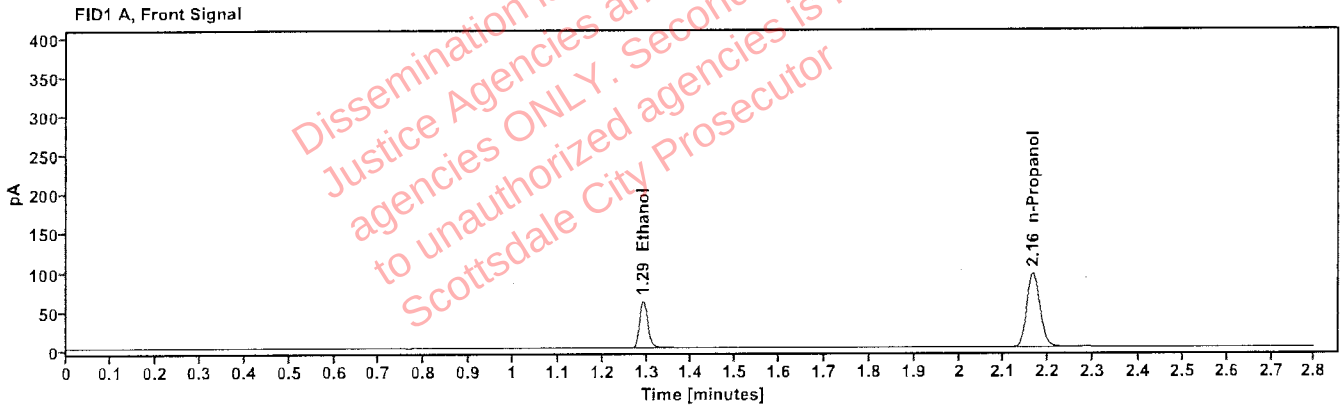

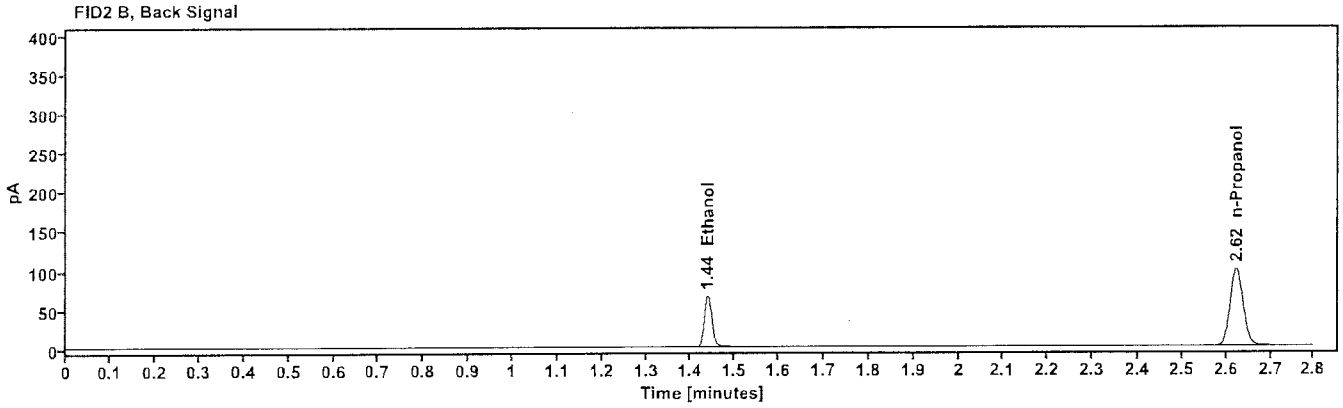

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1012	1.292	76.578
n-Propanol	-----	2.165	198.028

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

Compound	Time (min)	Peak Area
Ethanol	1.438	79.502
n-Propanol	2.624	205.244

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4190425129/6	**Vial:**	42
Description:	0.201	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:48:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\42.D	**Analyst:**	Arroyo

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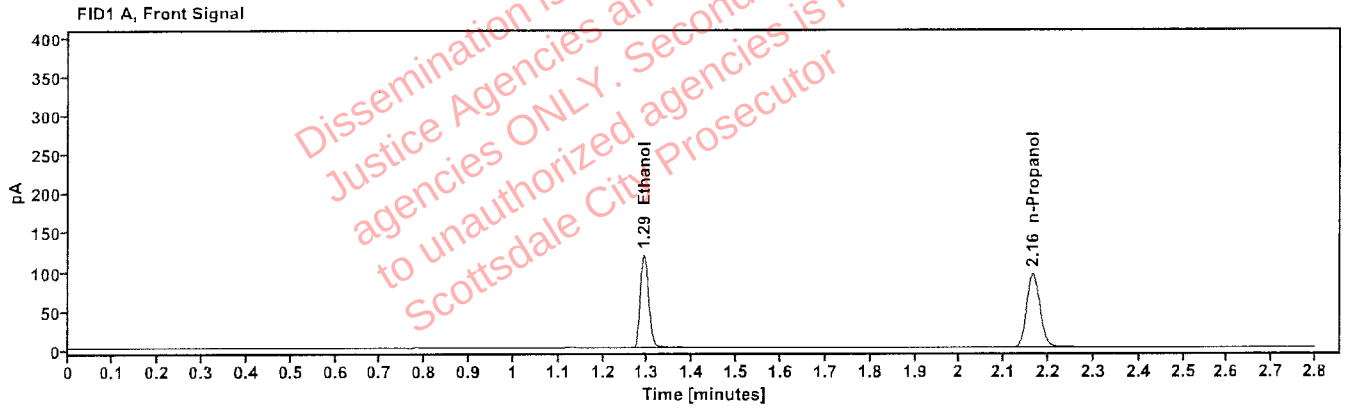

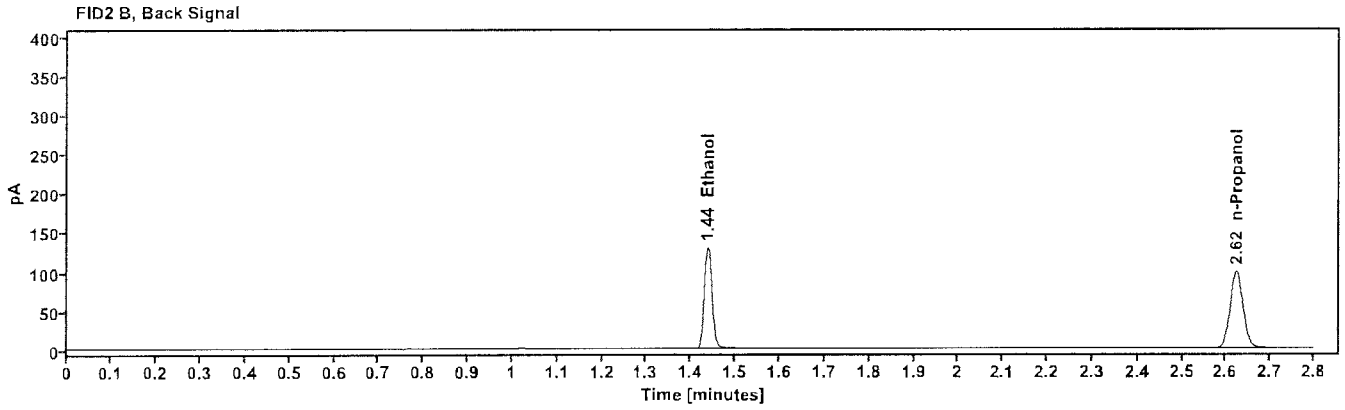

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1994	1.292	152.164
n-Propanol	------	2.165	197.805

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

Compound	Time (min)	Peak Area
Ethanol	1.438	157.880
n-Propanol	2.624	204.978

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	C1475825	**Vial:**	53
Description:	0.400	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:32:57 PM
Data file:	C:\Chem32\1\Data\12Nov26\53.D	**Analyst:**	Arroyo aja

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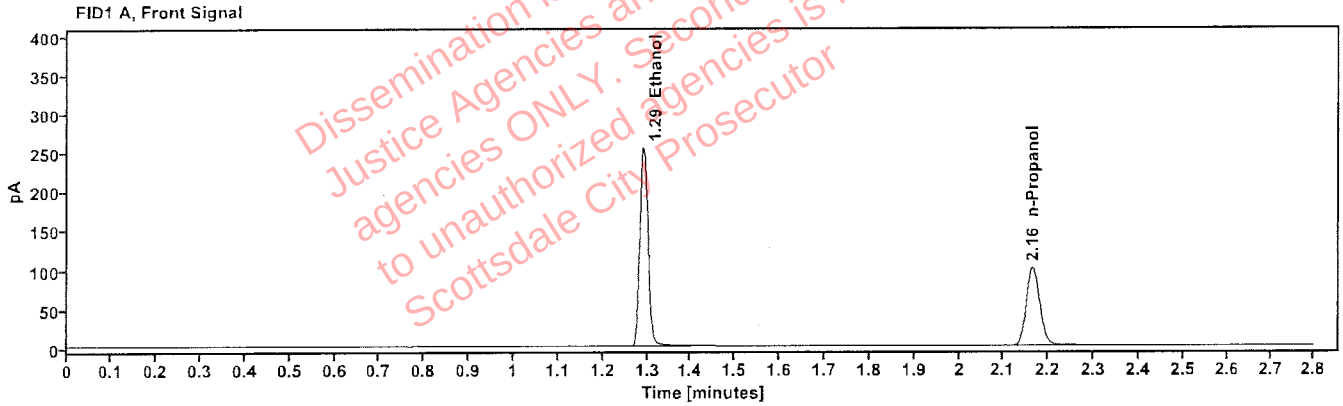

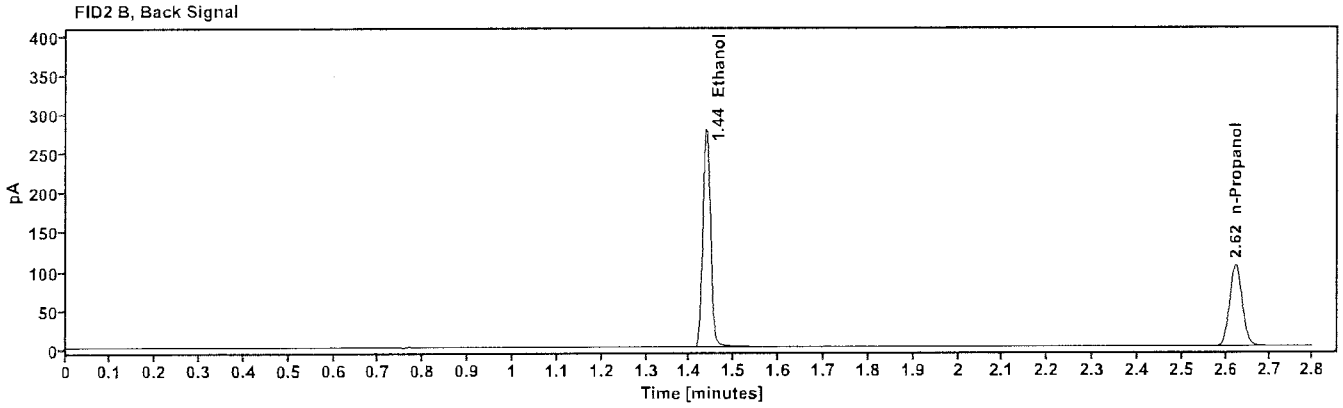

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.4024	1.291	325.589
n-Propanol	-----	2.164	208.678

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

Compound	Time (min)	Peak Area
Ethanol	1.437	337.760
n-Propanol	2.623	216.036

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	529862	**Vial:**	54
Description:	0.040	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:36:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\54.D	**Analyst:**	Arroyo

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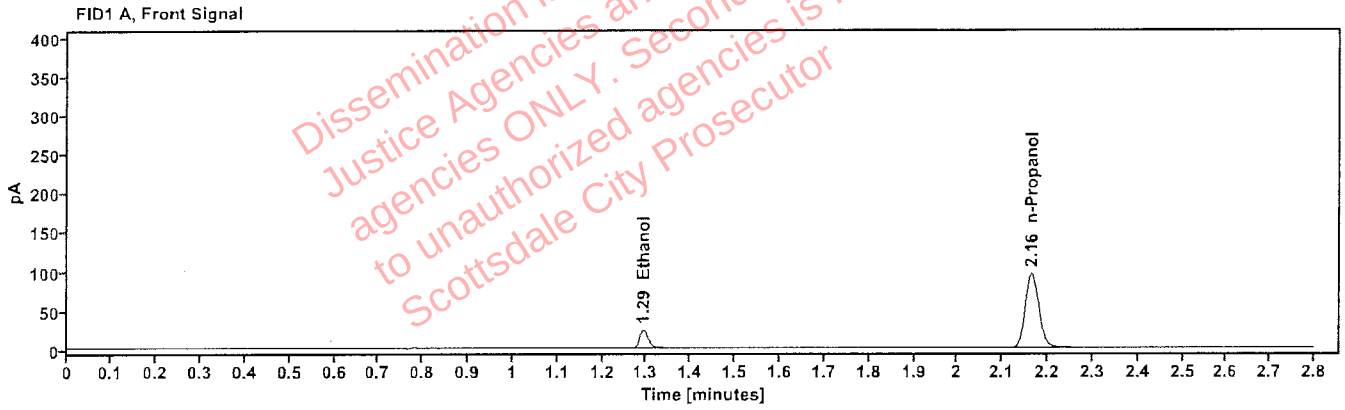

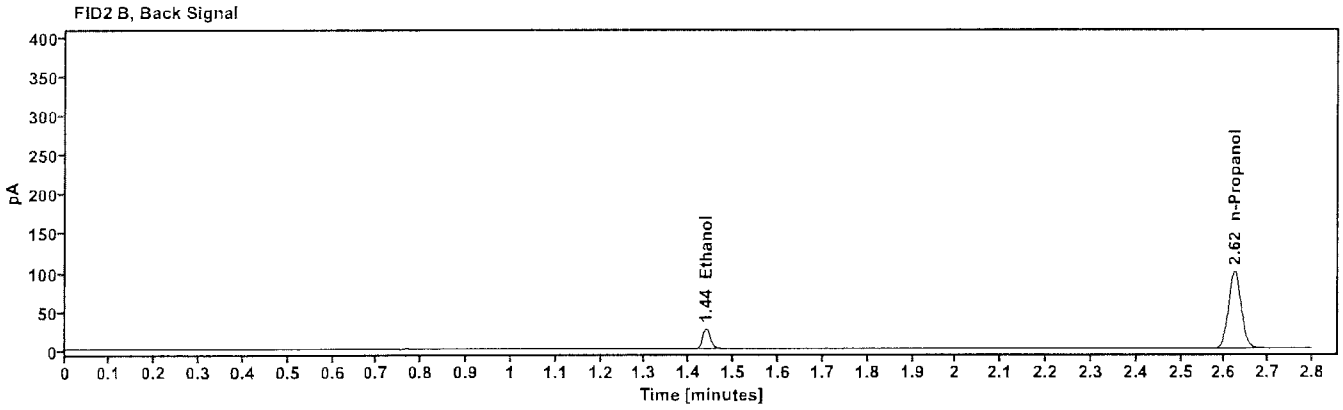

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0409	1.294	29.979
n-Propanol	------	2.164	197.895

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

Compound	Time (min)	Peak Area
Ethanol	1.438	31.288
n-Propanol	2.623	205.129

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	4190425129/6	**Vial:**	55
Description:	0.201	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:41:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\55.D	**Analyst:**	Arroyo

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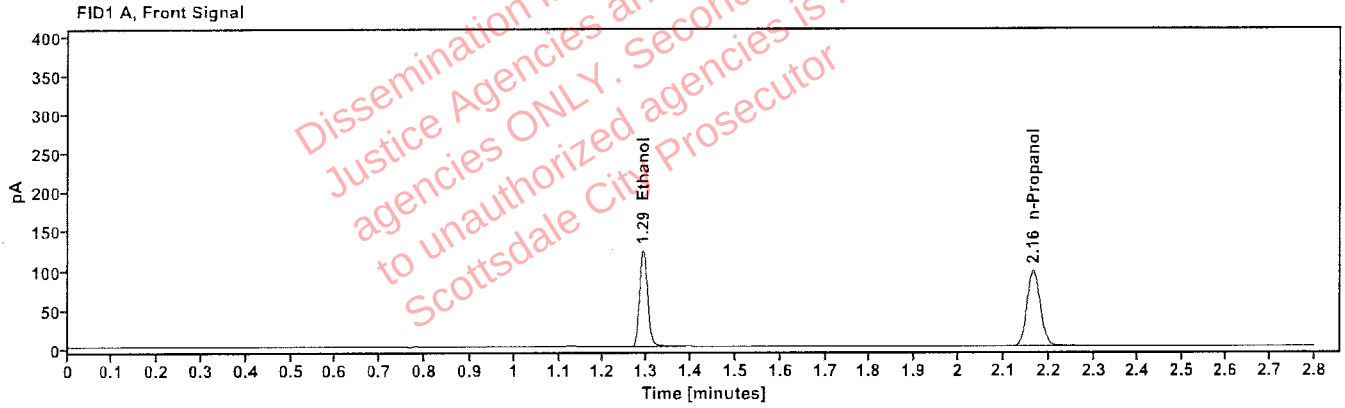

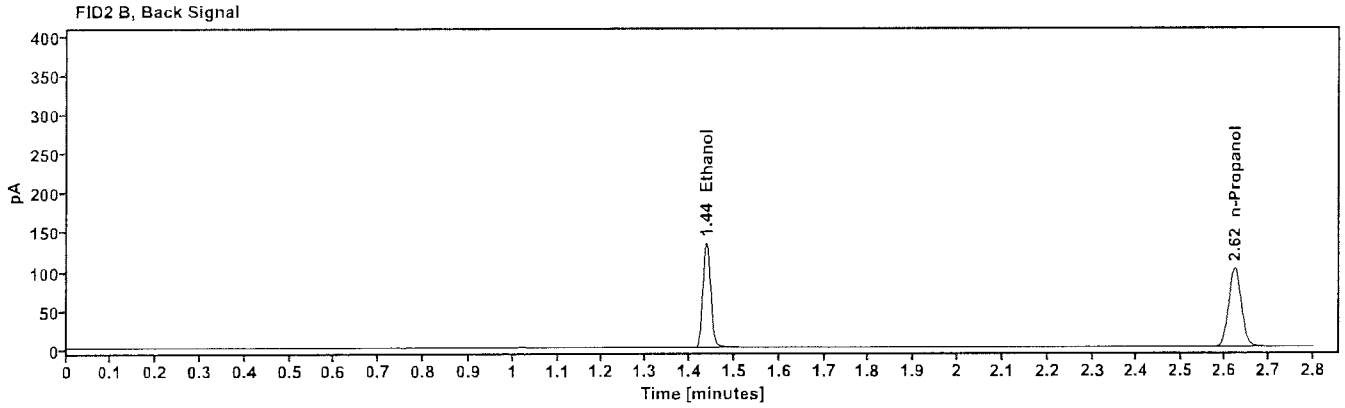

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2009	1.292	157.120
n-Propanol	------	2.165	202.679

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

Compound	Time (min)	Peak Area
Ethanol	1.438	162.894
n-Propanol	2.624	209.980

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	092926AQ	**Vial:**	56
Description:	negative	**LIMS ID:**	
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:45:35 PM
Data file:	C:\Chem32\1\Data\12Nov26\56.D	**Analyst:**	Arroyo

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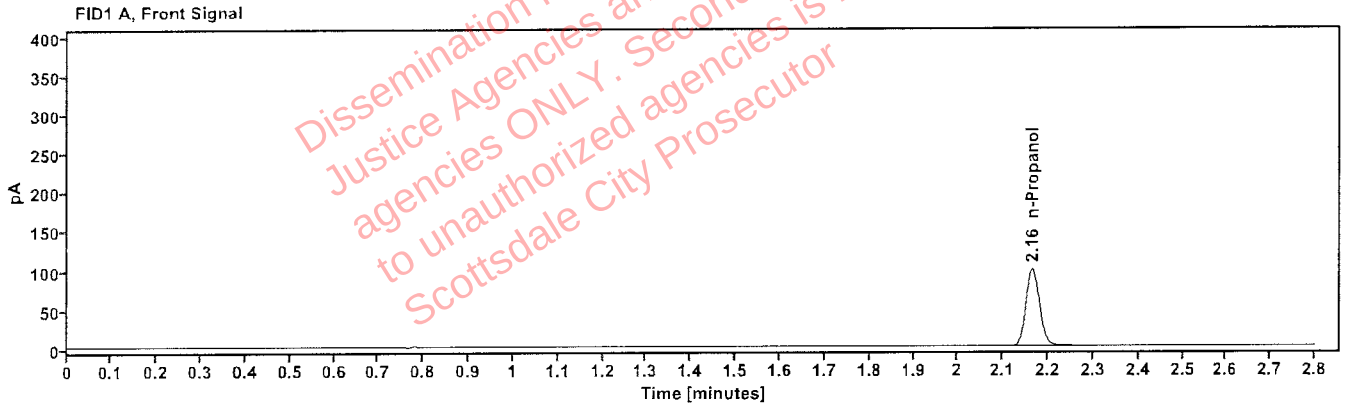

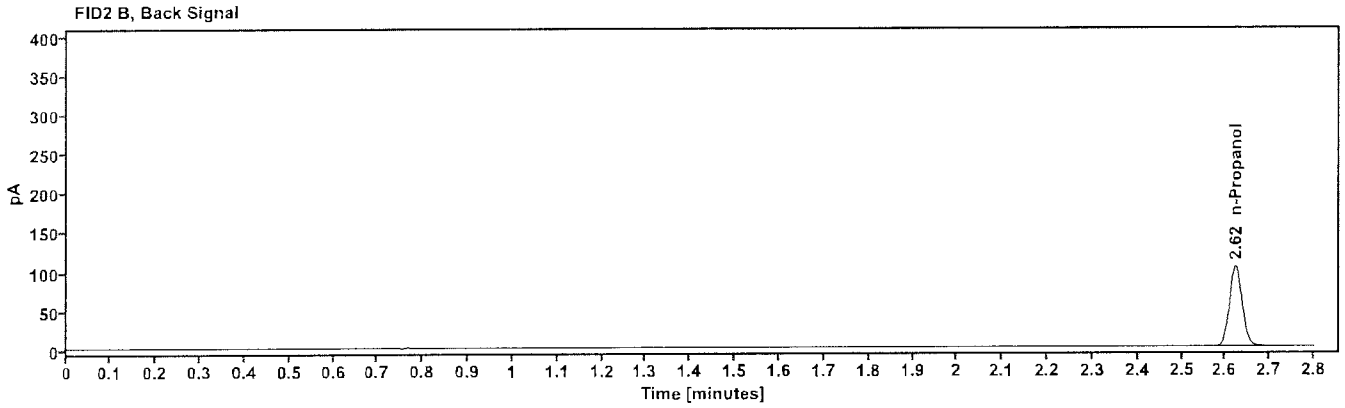

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	------	2.165	206.336

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

Compound	Time (min)	Peak Area
n-Propanol	2.624	213.779

Sequence Summary

Sequence name: 12Nov26 **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	41904251296	0.201	Control		ethanol quant.M
10	2604522-1	[redacted]	Sample	[redacted]	ethanol quant.M
11	2604522-1		Sample		ethanol quant.M
12	444-01J.N.		Sample		ethanol quant.M
13	444-01J.N.		Sample		ethanol quant.M
14	2622227-1		Sample		ethanol quant.M
15	2622227-1		Sample		ethanol quant.M
16	2622092-2		Sample		ethanol quant.M
17	2622092-2		Sample		ethanol quant.M
18	2622210-1		Sample		ethanol quant.M
19	2622210-1		Sample		ethanol quant.M
20	C1455120	0.100	Control		ethanol quant.M
21	2622133-2	[redacted]	Sample	[redacted]	ethanol quant.M
22	2622133-2		Sample		ethanol quant.M
23	315-01E.B.		Sample		ethanol quant.M
24	315-01E.B.		Sample		ethanol quant.M
25	0435-01A.V.		Sample		ethanol quant.M
26	0435-01A.V.		Sample		ethanol quant.M
27	315-01M.C.		Sample		ethanol quant.M
28	315-01M.C.		Sample		ethanol quant.M
29	459-01T.C.		Sample		ethanol quant.M
30	459-01T.C.		Sample		ethanol quant.M
31	C1455120	0.100	Control		ethanol quant.M
32	450-01A.G.	[redacted]	Sample	[redacted]	ethanol quant.M
33	450-01A.G.		Sample		ethanol quant.M
34	0435-01H.S.		Sample		ethanol quant.M
35	0435-01H.S.		Sample		ethanol quant.M
36	2622328-4a		Sample		ethanol quant.M
37	2622328-4a		Sample		ethanol quant.M
38	2622419-1		Sample		ethanol quant.M
39	2622419-1		Sample		ethanol quant.M
40	2622400-1		Sample		ethanol quant.M
41	2622400-1		Sample		ethanol quant.M
42	4190425129/6	0.201	Control		ethanol quant.M
43	2622422-1	[redacted]	Sample	[redacted]	ethanol quant.M
44	2622422-1		Sample		ethanol quant.M
45	2622477-2		Sample		ethanol quant.M
46	2622477-2		Sample		ethanol quant.M
47	2622099-2		Sample		ethanol quant.M

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Sequence Summary

48	2622099-2	[redacted]	Sample	[redacted]	ethanol quant.M
49	2622564-1		Sample		ethanol quant.M
50	2622564-1		Sample		ethanol quant.M
51	2622607-2		Sample		ethanol quant.M
52	2622607-2		Sample		ethanol quant.M
53	C1475825	0.400	Control		ethanol quant.M
54	529862	0.040	Control		ethanol quant.M
55	4190425129/6	0.201	Control		ethanol quant.M
56	092926AQ	negative	Control		ethanol quant.M

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Scottsdale Police Department Crime Laboratory
Summary of Cases

SEQUENCE NAME: 12Nov26 ANALYST: Arroyo

Vials	Test 1 (g/dL)	Test 2 (g/dL)	Mean (g/dL)	Percent Difference*	Absolute Difference(g/dL)*
10 11	0.0000	0.0000	0.00000	0.00	0.00000
12 13	0.2488	0.2497	0.24925	0.18	0.00045
14 15	0.1808	0.1771	0.17895	1.03	0.00185
16 17	0.1136	0.1135	0.11355	0.04	0.00005
18 19	0.0000	0.0000	0.00000	0.00	0.00000
21 22	0.1855	0.1856	0.18555	0.03	0.00005
23 24	0.2092	0.2092	0.20920	0.00	0.00000
25 26	0.1561	0.1561	0.15610	0.00	0.00000
27 28	0.1609	0.1607	0.16080	0.06	0.00010
29 30	0.1654	0.1661	0.16575	0.21	0.00035
32 33	0.0916	0.0916	0.09160	0.00	0.00000
34 35	0.1648	0.1650	0.16490	0.06	0.00010
36 37	0.0000	0.0000	0.00000	0.00	0.00000
38 39	0.1292	0.1282	0.12870	0.39	0.00050
40 41	0.1968	0.1960	0.19640	0.20	0.00040
43 44	0.2469	0.2462	0.24655	0.14	0.00035
45 46	0.1504	0.1506	0.15050	0.07	0.00010
47 48	0.1360	0.1364	0.13620	0.15	0.00020
49 50	0.0868	0.0868	0.08680	0.00	0.00000
51 52	0.3291	0.3235	0.32630	0.86	0.00280

*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:** 12Nov26

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	2604522-1	2604522-1	2604522-1	Yes
Vials 12 and 13	444-01J.N.	444-01J.N.	444-01J.N.	Yes
Vials 14 and 15	2622227-1	2622227-1	2622227-1	Yes
Vials 16 and 17	2622092-2	2622092-2	2622092-2	Yes
Vials 18 and 19	2622210-1	2622210-1	2622210-1	Yes
Vials 21 and 22	2622133-2	2622133-2	2622133-2	Yes
Vials 23 and 24	315-01E.B.	315-01E.B.	315-01E.B.	Yes
Vials 25 and 26	0435-01A.V.	0435-01A.V.	0435-01A.V.	Yes
Vials 27 and 28	315-01M.C.	315-01M.C.	315-01M.C.	Yes
Vials 29 and 30	459-01T.C.	459-01T.C.	459-01T.C.	Yes
Vials 32 and 33	450-01A.G.	450-01A.G.	450-01A.G.	Yes
Vials 34 and 35	0435-01H.S.	0435-01H.S.	0435-01H.S.	Yes
Vials 36 and 37	2622328-4A	2622328-4A	2622328-4A	Yes
Vials 38 and 39	2622419-1	2622419-1	2622419-1	Yes
Vials 40 and 41	2622400-1	2622400-1	2622400-1	Yes
Vials 43 and 44	2622422-1	2622422-1	2622422-1	Yes
Vials 45 and 46	2622477-2	2622477-2	2622477-2	Yes
Vials 47 and 48	2622099-2	2622099-2	2622099-2	Yes
Vials 49 and 50	2622564-1	2622564-1	2622564-1	Yes
Vials 51 and 52	2622607-2	2622607-2	2622607-2	Yes

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[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2604522-1	**Vial:**	10
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:41:10 AM
Data file:	C:\Chem32\1\Data\12Nov26\10.D	**Analyst:**	Arroyo

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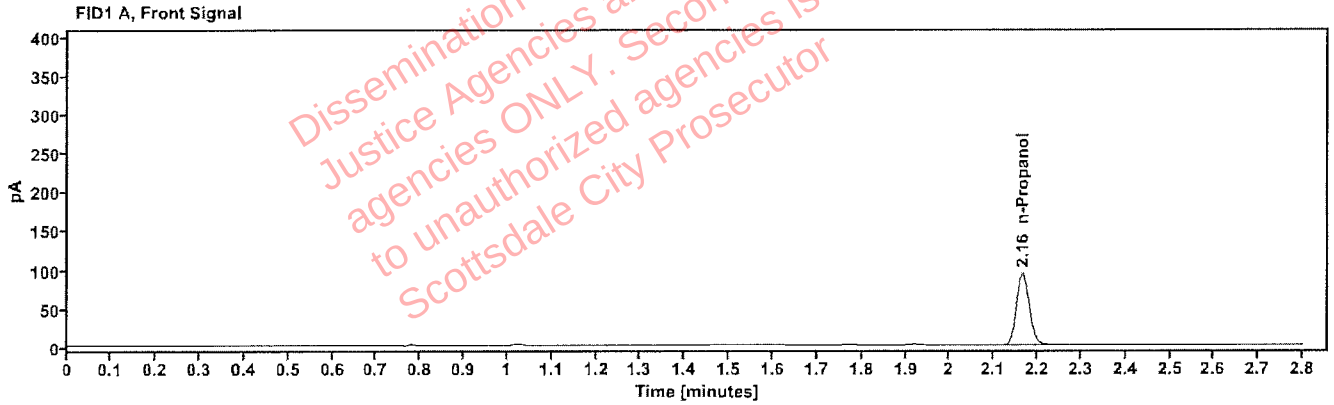

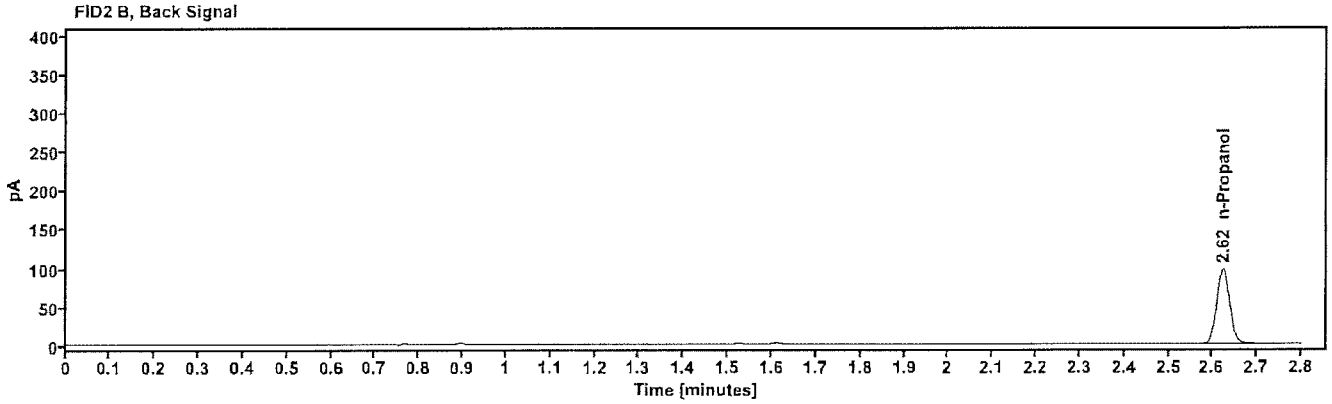

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	——	2.165	192.510

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

Compound	Time (min)	Peak Area
n-Propanol	2.624	199.759

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2604522-1	**Vial:**	11
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:44:59 AM
Data file:	C:\Chem32\1\Data\12Nov26\11.D	**Analyst:**	Arroyo

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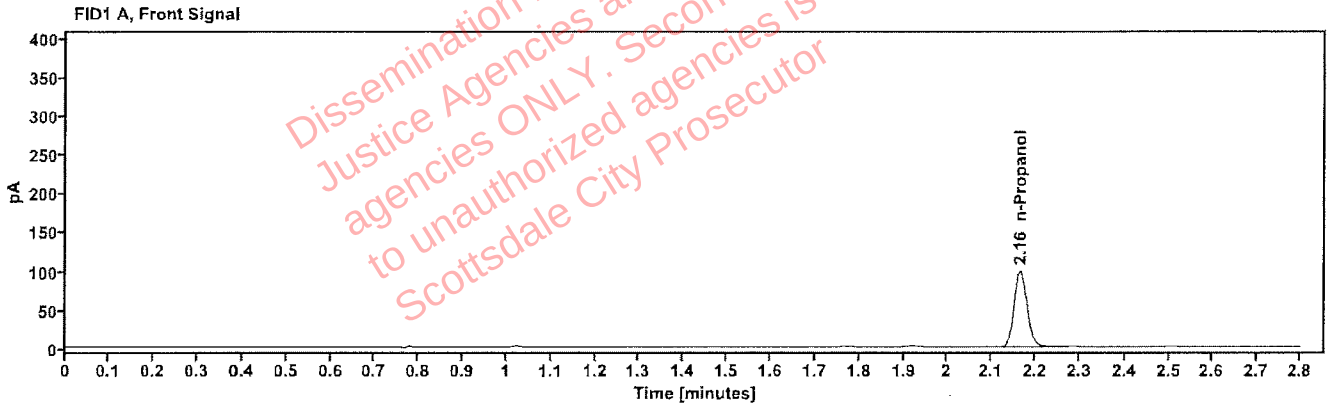

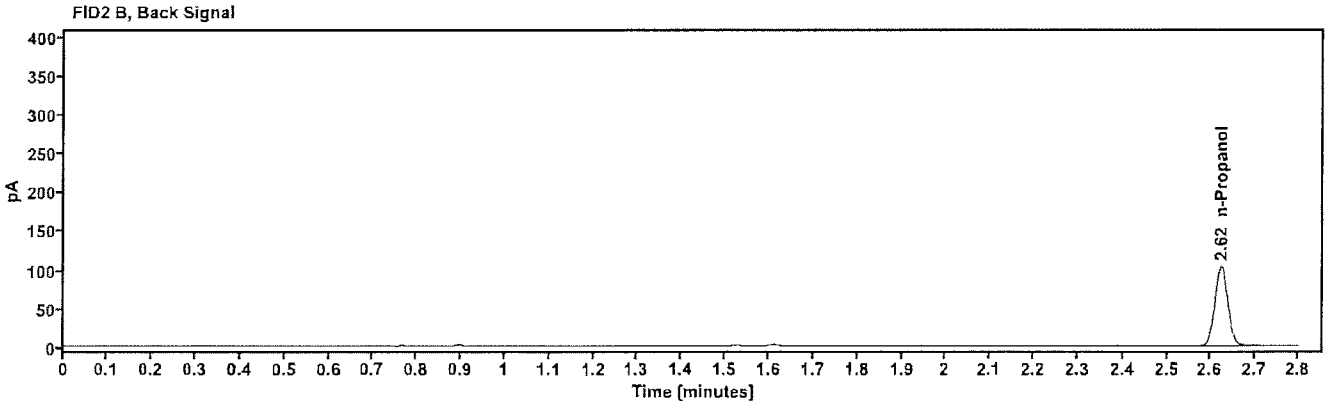

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.165	204.494

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

Compound	Time (min)	Peak Area
n-Propanol	2.623	212.143

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	444-01J.N.	**Vial:**	12
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:48:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\12.D	**Analyst:**	Arroyo

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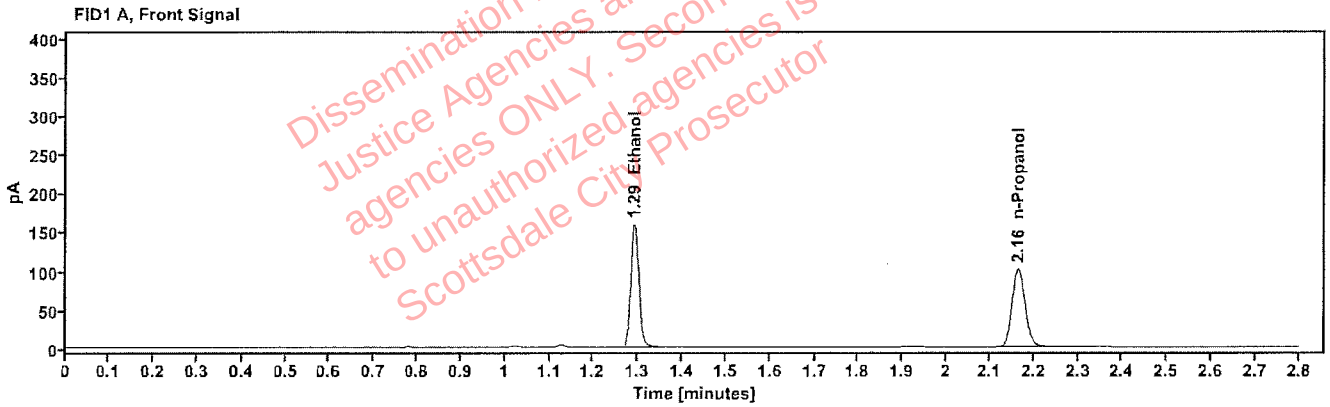

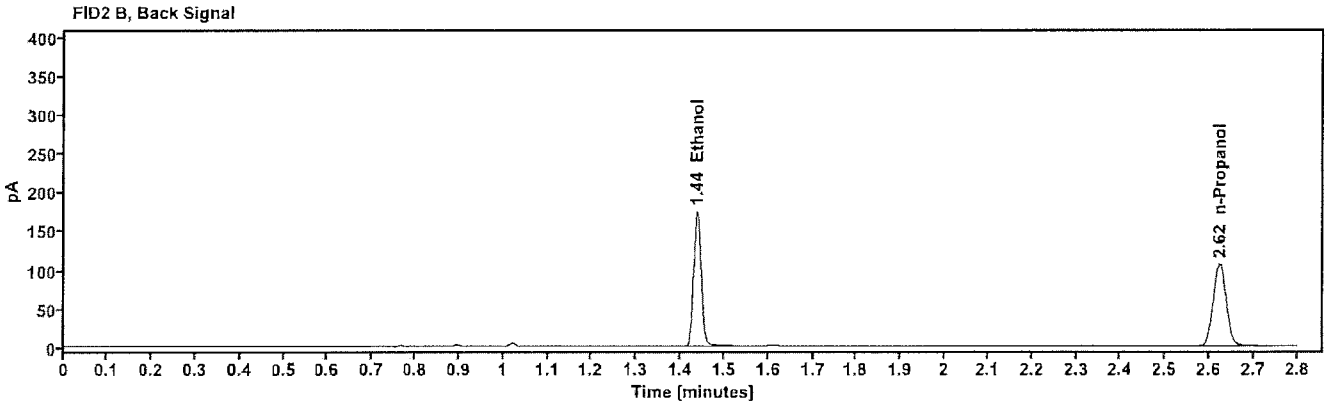

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2488	1.291	203.155
n-Propanol	------	2.164	211.223

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

Compound	Time (min)	Peak Area
Ethanol	1.437	210.841
n-Propanol	2.623	218.443

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	444-01J.N.	**Vial:**	13
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:53:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\13.D	**Analyst:**	Arroyo

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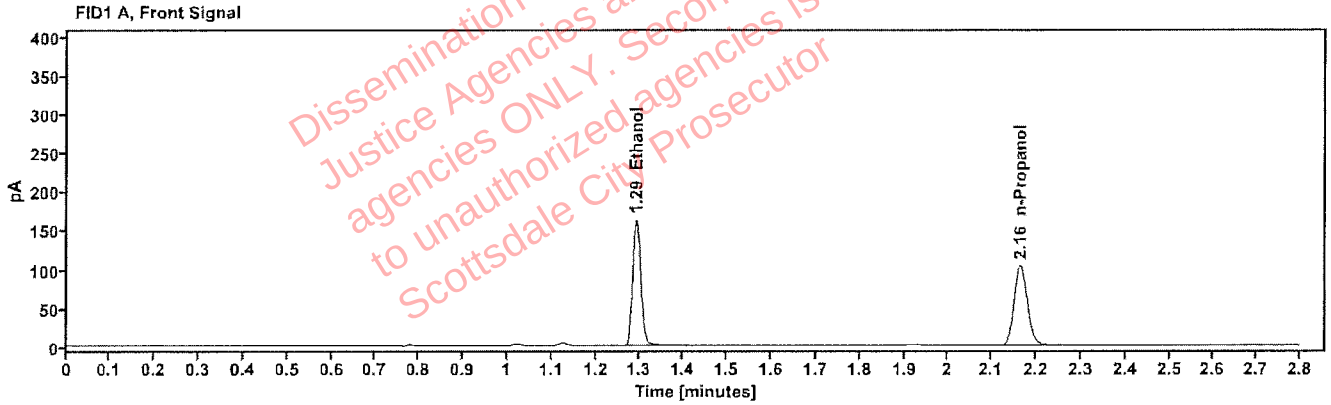

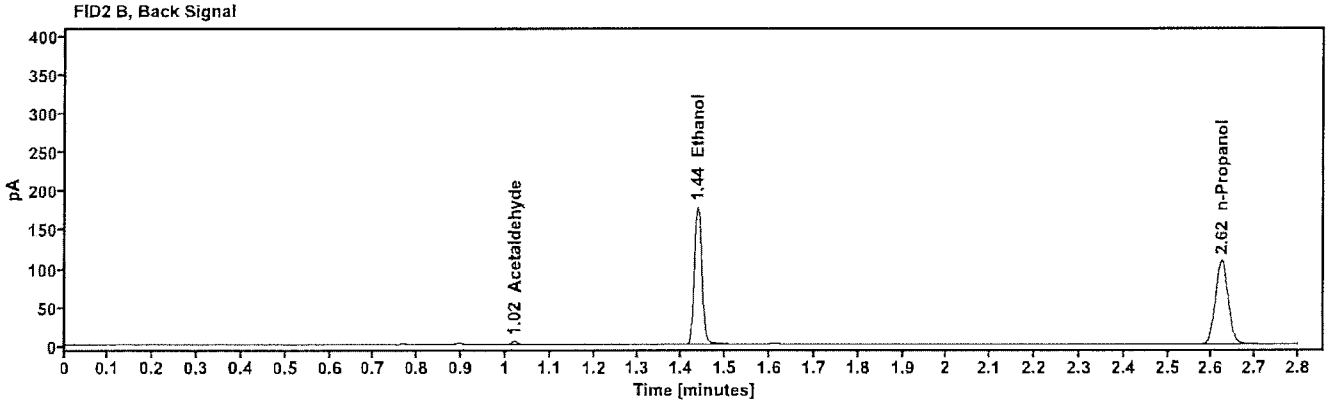

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2497	1.291	207.618
n-Propanol	-----	2.164	215.112

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	3.762
Ethanol	1.437	215.505
n-Propanol	2.623	222.793

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622227-1	**Vial:**	14
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 10:57:35 AM
Data file:	C:\Chem32\1\Data\12Nov26\14.D	**Analyst:**	Arroyo

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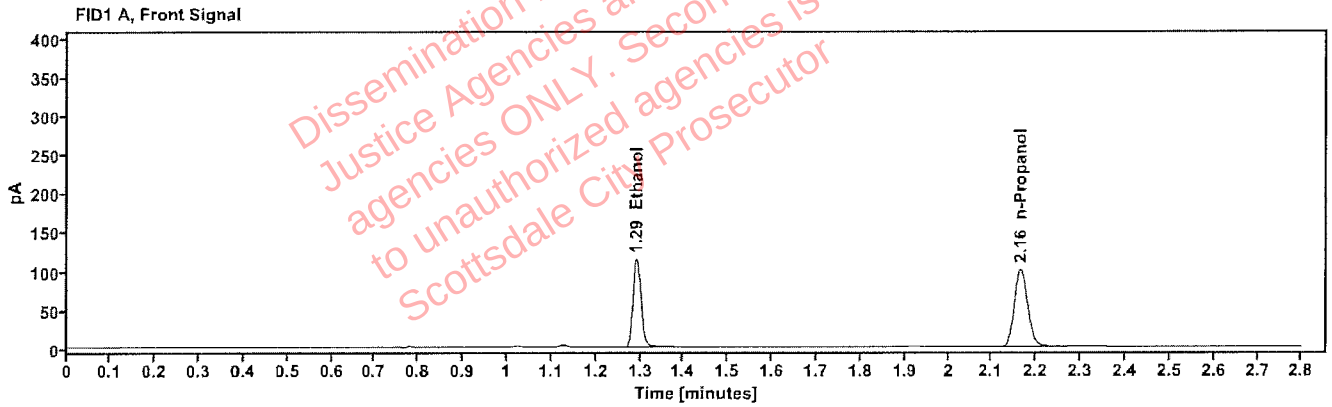

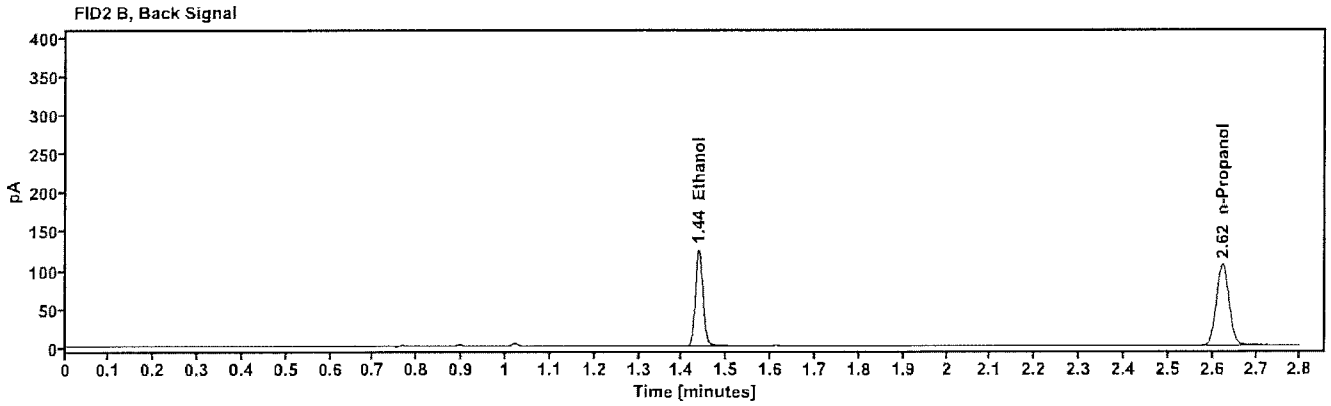

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1808	1.291	145.466
n-Propanol	-----	2.164	208.819

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

Compound	Time (min)	Peak Area
Ethanol	1.437	150.590
n-Propanol	2.623	215.898

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622227-1	**Vial:**	15
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:01:23 AM
Data file:	C:\Chem32\1\Data\12Nov26\15.D	**Analyst:**	Arroyo

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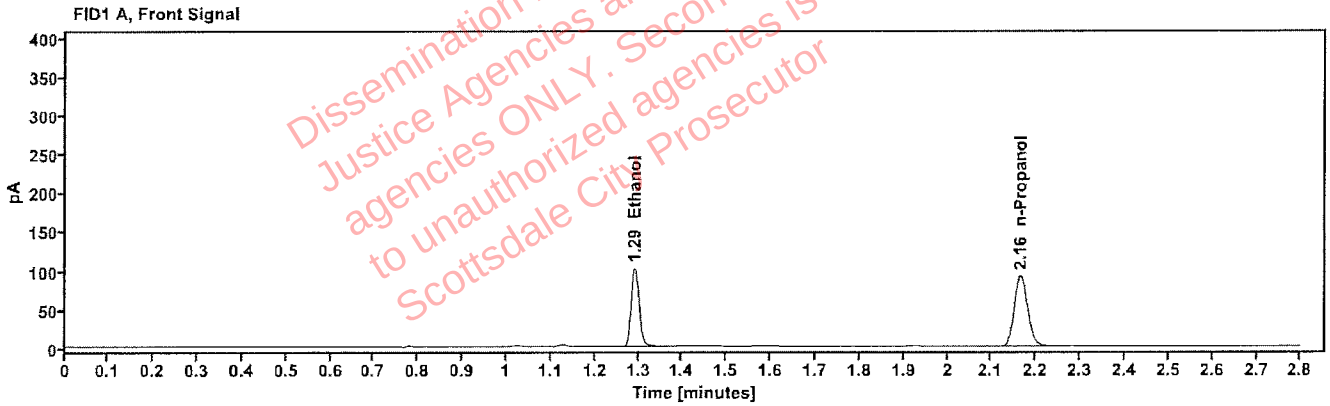

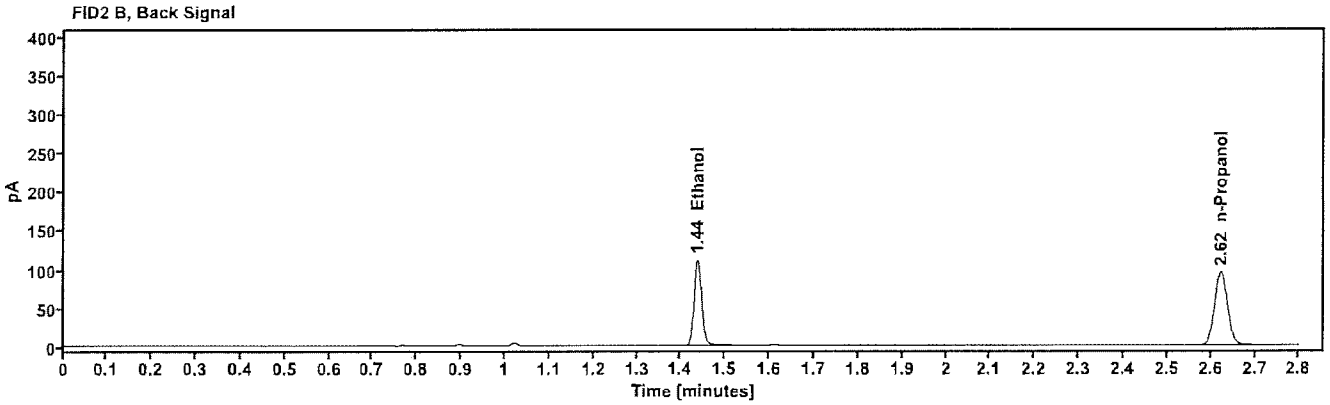

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1771	1.292	129.239
n-Propanol	-----	2.164	189.381

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

Compound	Time (min)	Peak Area
Ethanol	1.437	133.745
n-Propanol	2.623	195.654

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622092-2	**Vial:**	16
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:05:11 AM
Data file:	C:\Chem32\1\Data\12Nov26\16.D	**Analyst:**	Arroyo

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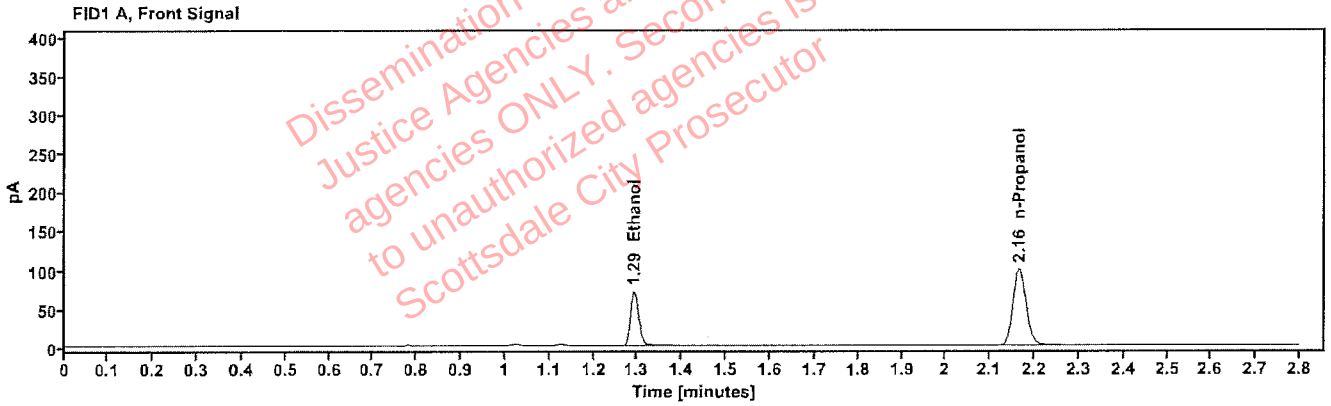

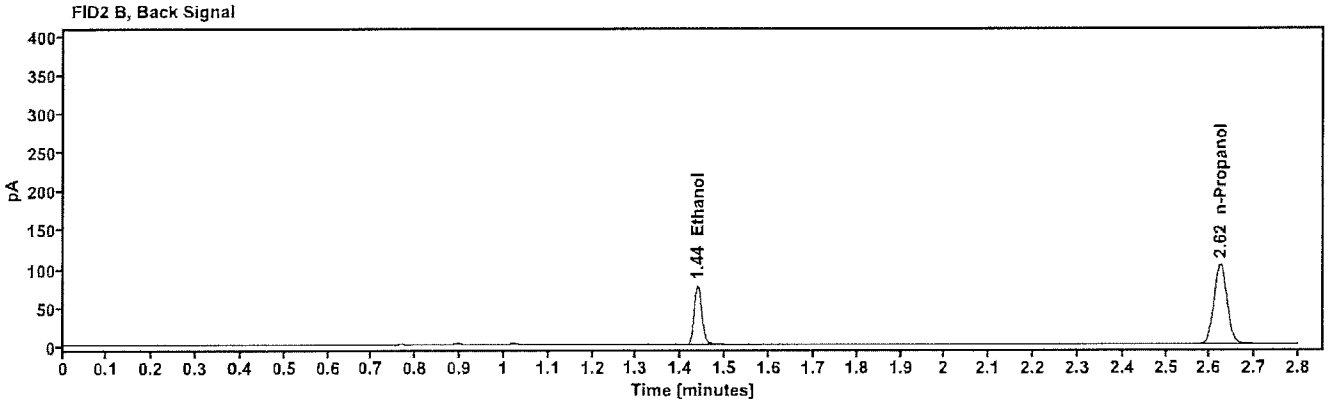

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1136	1.292	89.423
n-Propanol	-----	2.165	205.705

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

Compound	Time (min)	Peak Area
Ethanol	1.438	92.592
n-Propanol	2.624	212.958

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622092-2	**Vial:**	17
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:08:59 AM
Data file:	C:\Chem32\1\Data\12Nov26\17.D	**Analyst:**	Arroyo

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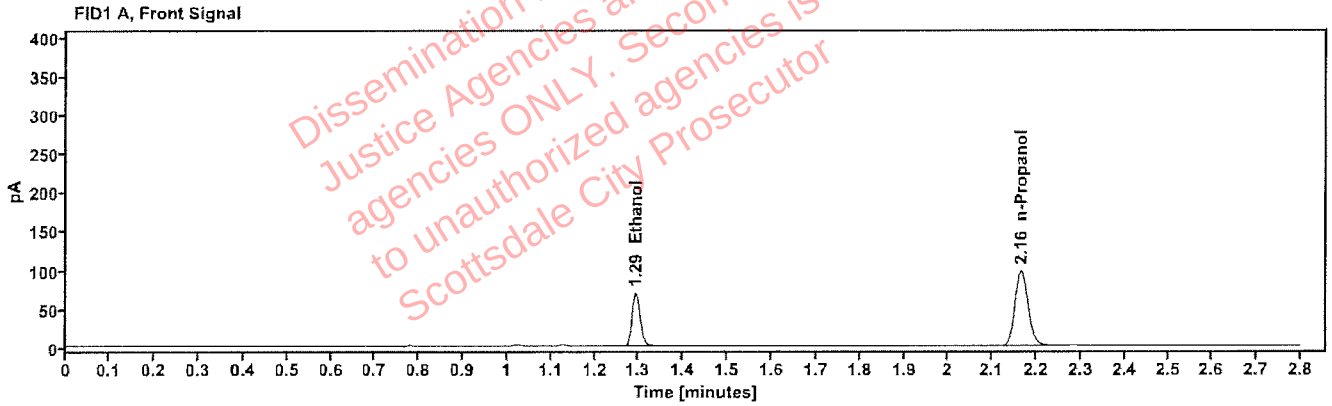

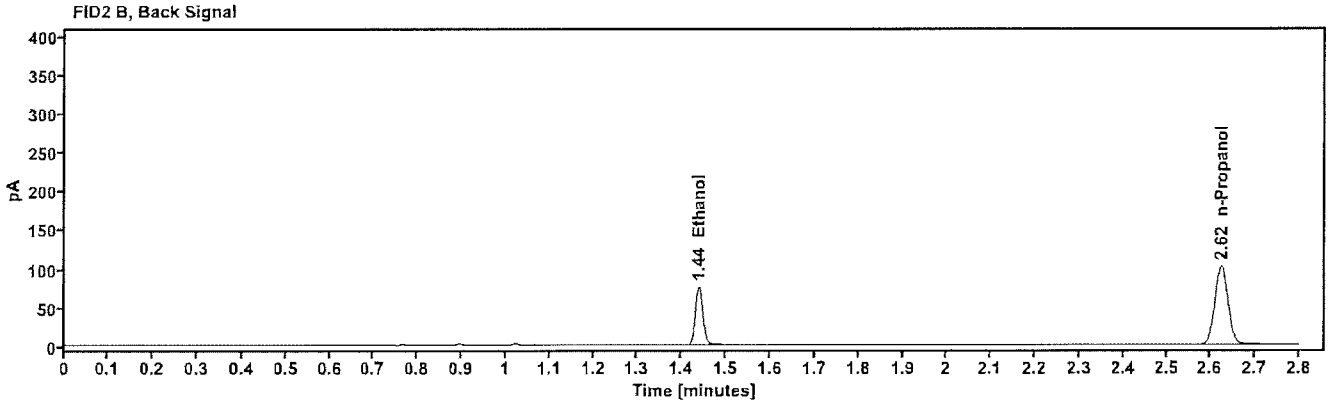

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1135	1.293	87.753
n-Propanol	------	2.165	202.047

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

Compound	Time (min)	Peak Area
Ethanol	1.438	90.924
n-Propanol	2.624	209.353

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622210-1	**Vial:**	18
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:12:45 AM
Data file:	C:\Chem32\1\Data\12Nov26\18.D	**Analyst:**	Arroyo

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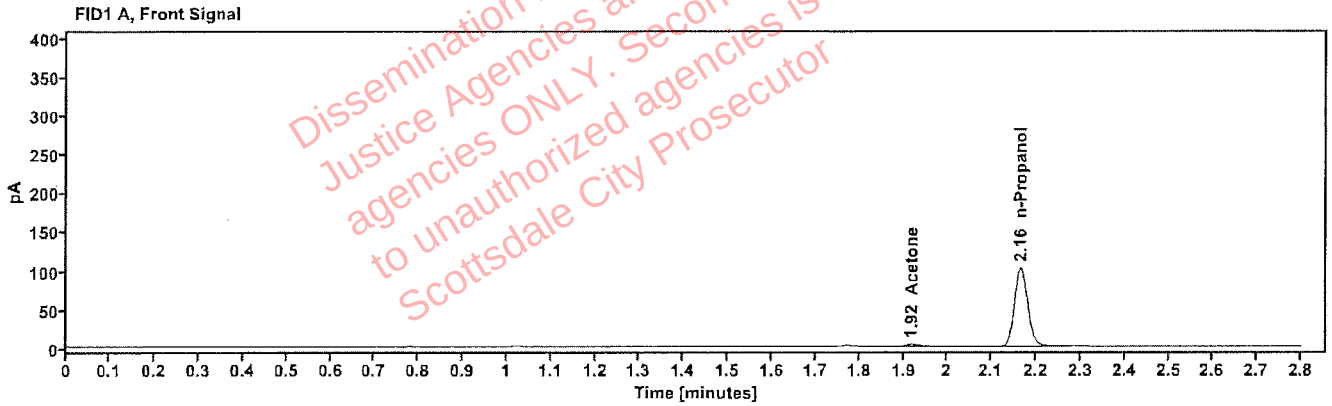

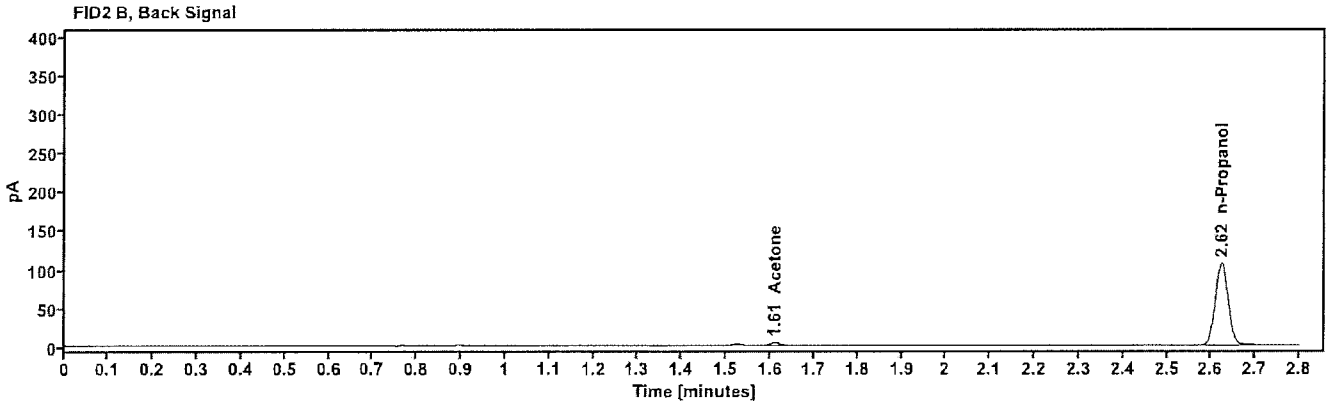

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	----	1.919	4.745
n-Propanol	----	2.165	211.538

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

Compound	Time (min)	Peak Area
Acetone	1.610	4.840
n-Propanol	2.624	219.362

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622210-1	**Vial:**	19
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:17:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\19.D	**Analyst:**	Arroyo

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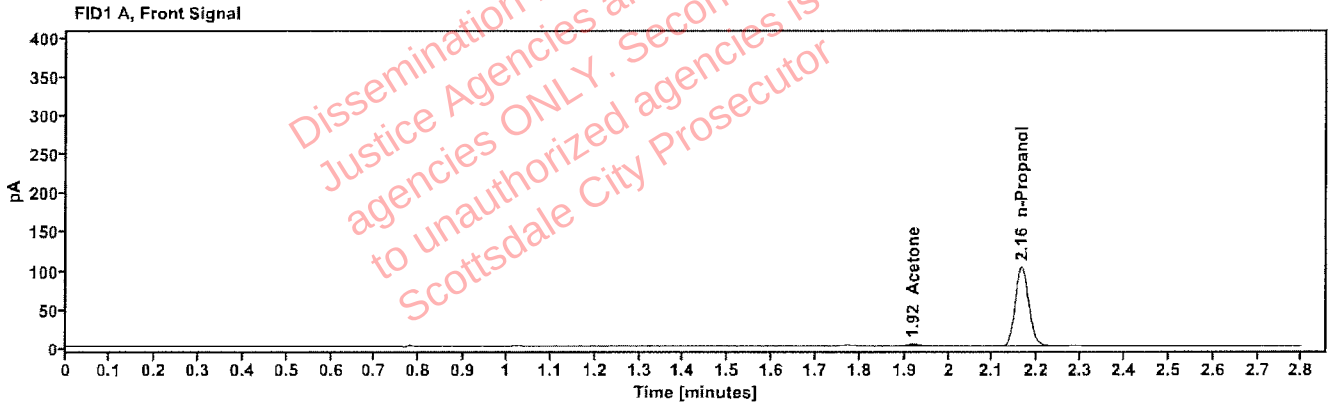

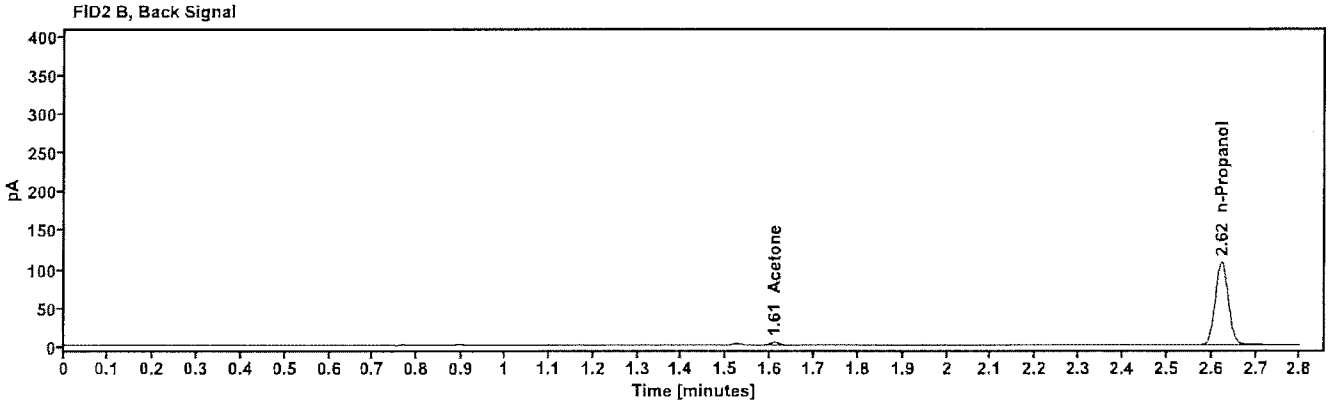

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetone	-----	1.919	4.767
n-Propanol	-----	2.164	213.220

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

Compound	Time (min)	Peak Area
Acetone	1.609	4.904
n-Propanol	2.623	221.161

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622133-2	**Vial:**	21
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:25:22 AM
Data file:	C:\Chem32\1\Data\12Nov26\21.D	**Analyst:**	Arroyo

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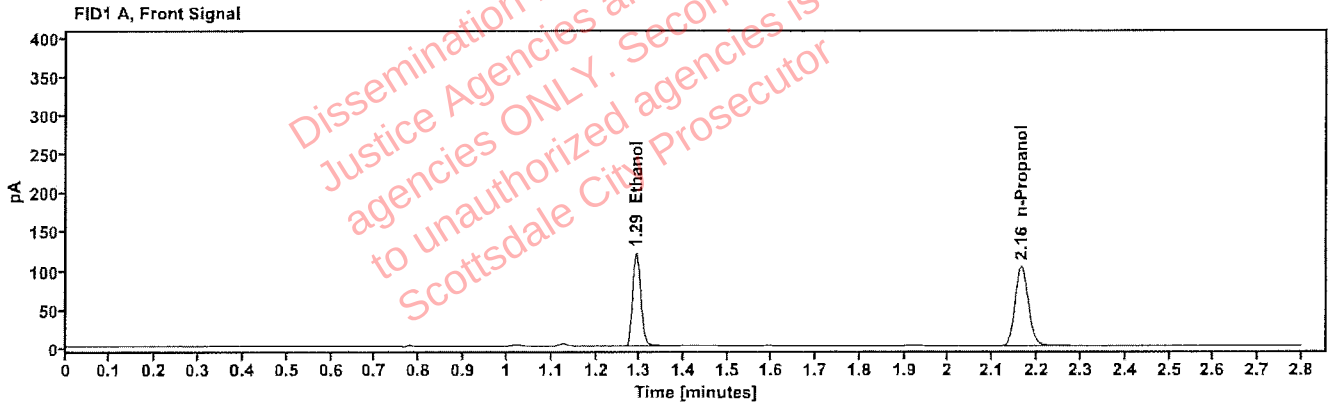

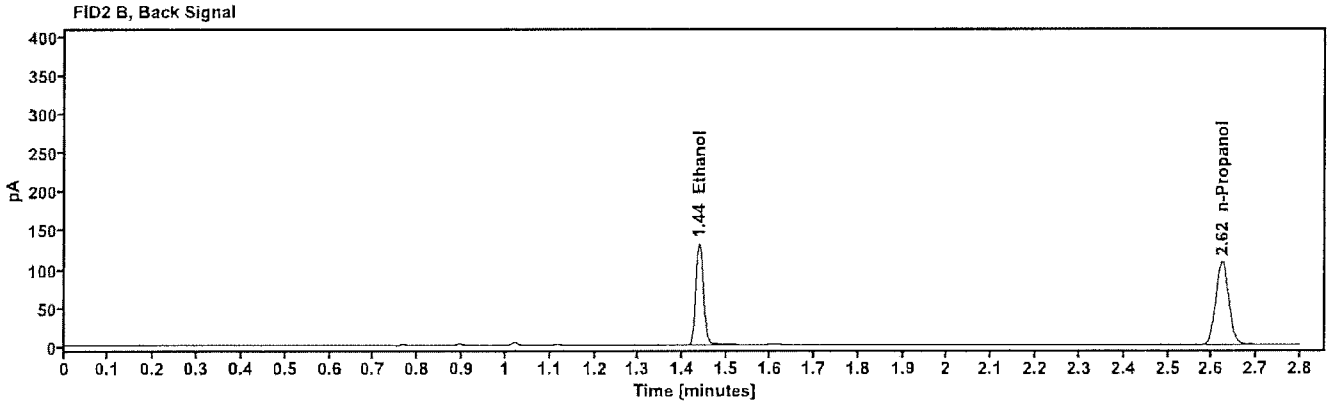

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1855	1.291	153.230
n-Propanol	-----	2.164	214.266

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

Compound	Time (min)	Peak Area
Ethanol	1.437	158.648
n-Propanol	2.623	221.996

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622133-2	**Vial:**	22
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:29:11 AM
Data file:	C:\Chem32\1\Data\12Nov26\22.D	**Analyst:**	Arroyo

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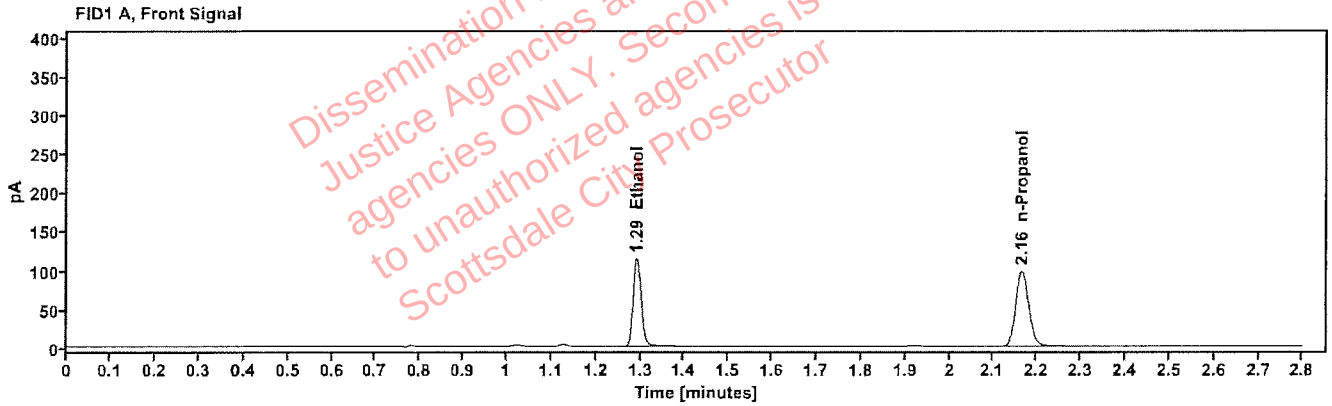

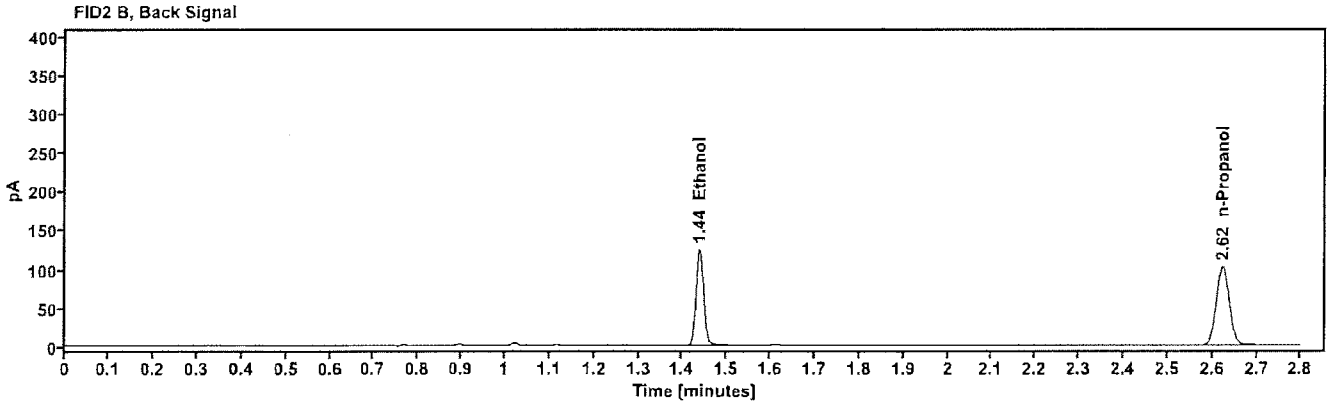

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1856	1.292	144.822
n-Propanol	-----	2.164	202.464

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

Compound	Time (min)	Peak Area
Ethanol	1.437	149.867
n-Propanol	2.623	209.762

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	315-01E.B.	**Vial:**	23
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:32:59 AM
Data file:	C:\Chem32\1\Data\12Nov26\23.D	**Analyst:**	Arroyo

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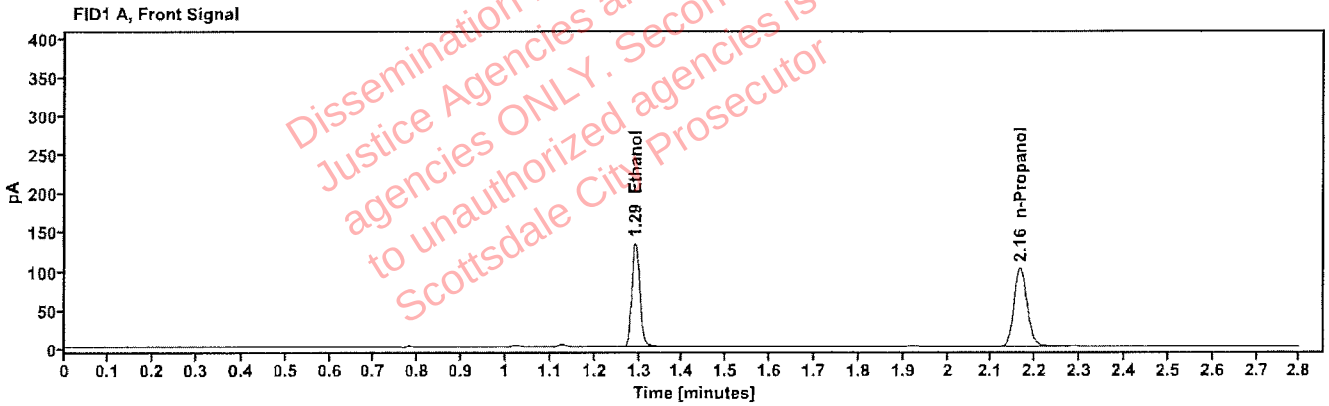

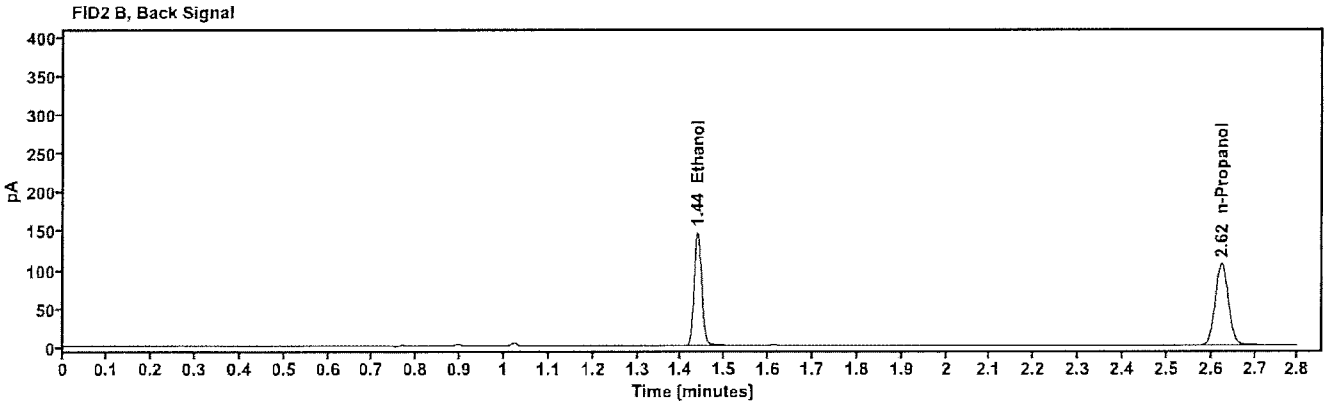

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2092	1.292	170.857
n-Propanol	------	2.165	211.641

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

Compound	Time (min)	Peak Area
Ethanol	1.438	176.937
n-Propanol	2.624	218.880

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	315-01E.B.	**Vial:**	24
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:36:47 AM
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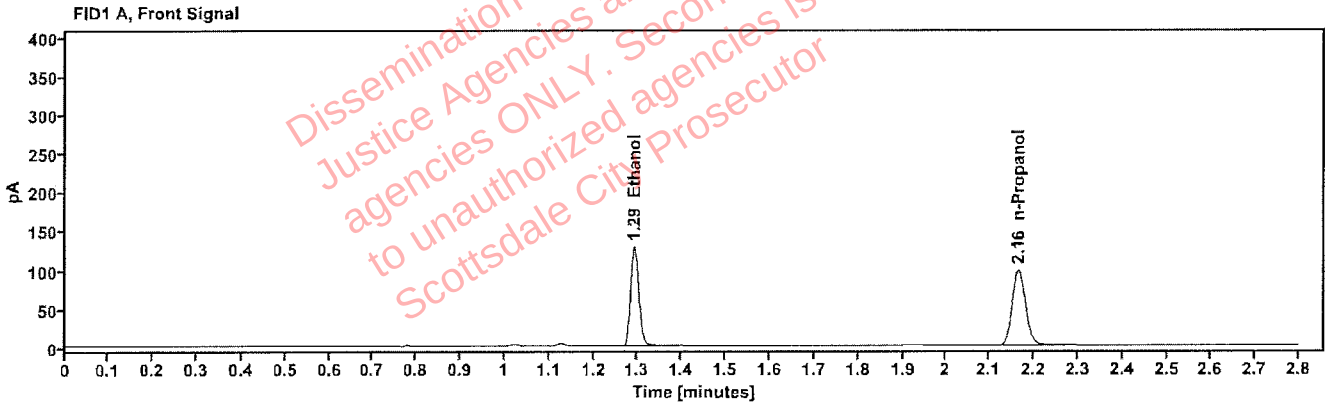

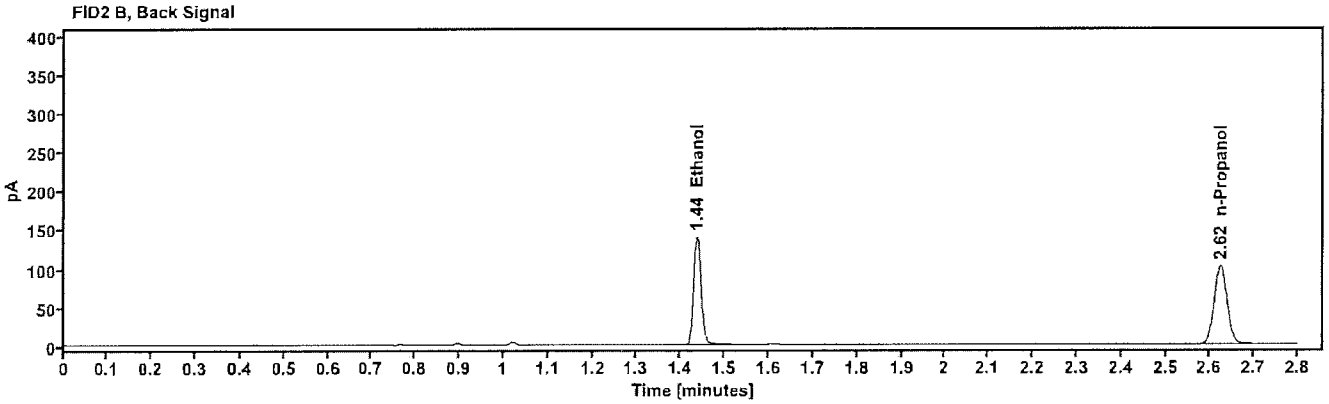

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2092	1.292	163.342
n-Propanol	-----	2.165	202.332

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

Compound	Time (min)	Peak Area
Ethanol	1.438	169.019
n-Propanol	2.624	209.393

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0435-01A.V.	**Vial:**	25
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:41:47 AM
Data file:	C:\Chem32\1\Data\12Nov26\25.D	**Analyst:**	Arroyo

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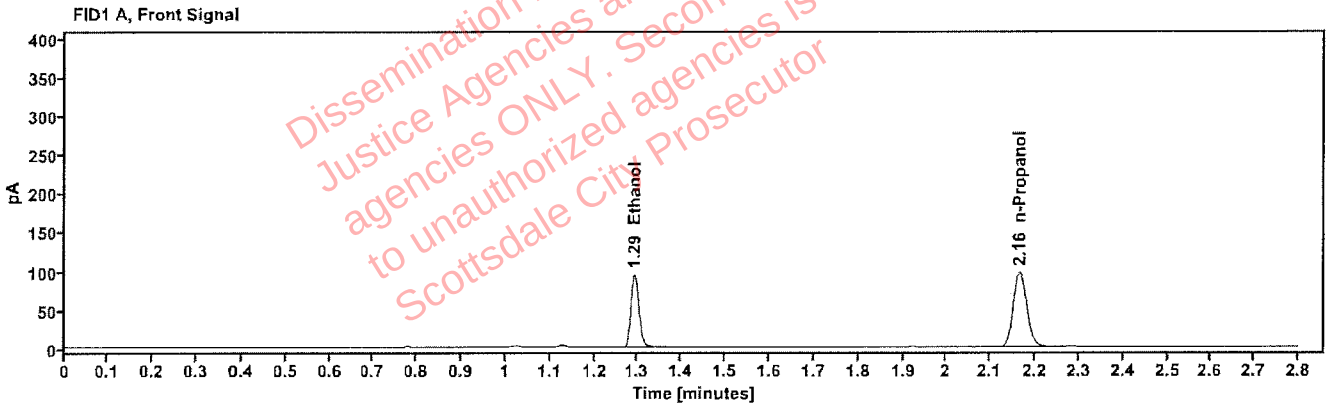

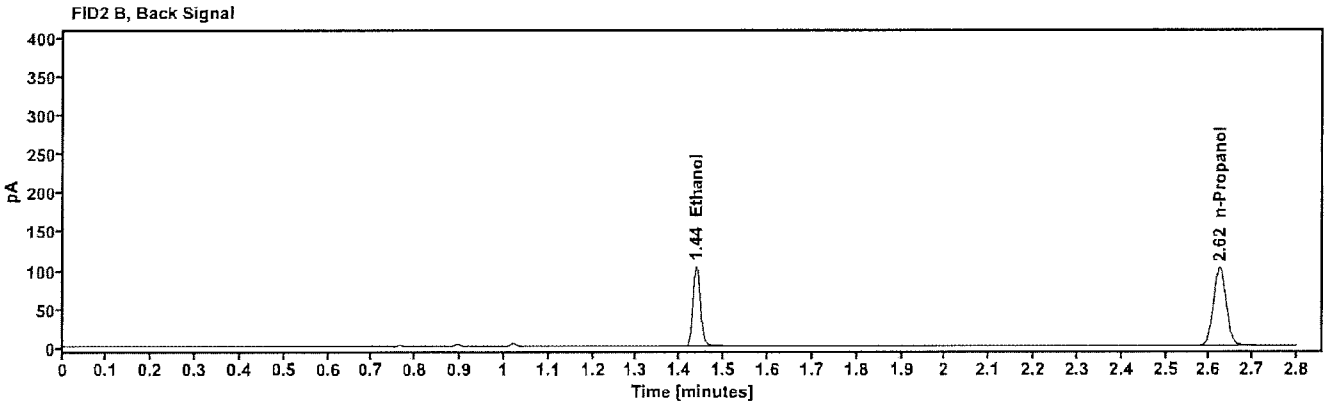

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1561	1.292	120.705
n-Propanol	-----	2.165	201.057

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

Compound	Time (min)	Peak Area
Ethanol	1.438	124.894
n-Propanol	2.624	208.041

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0435-01A.V.	**Vial:**	26
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:45:35 AM
Data file:	C:\Chem32\1\Data\12Nov26\26.D	**Analyst:**	Arroyo

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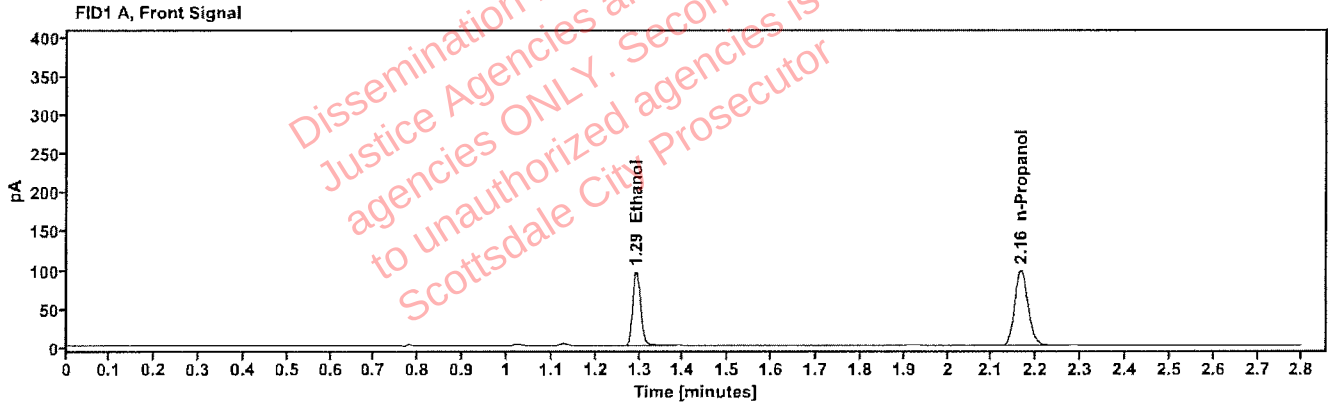

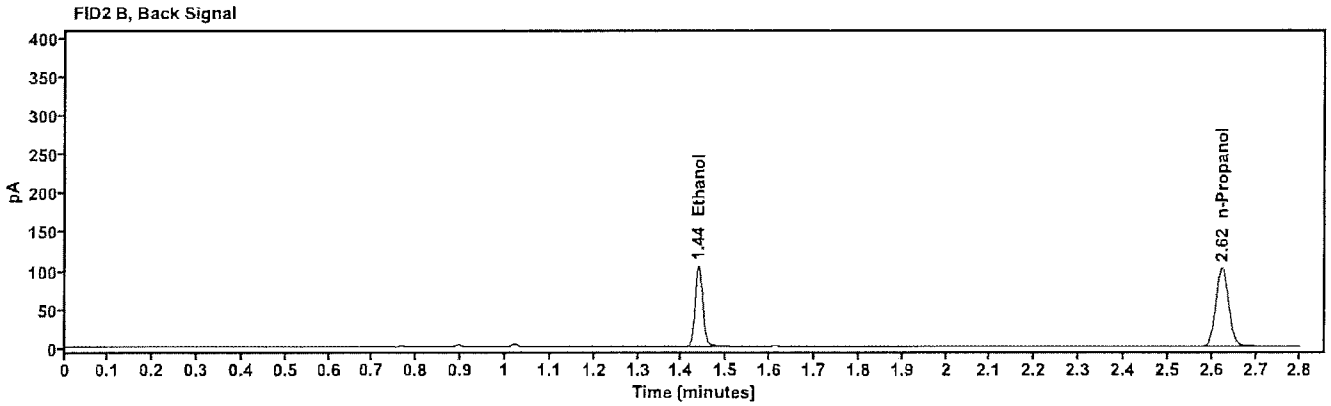

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1561	1.292	121.747
n-Propanol	-----	2.165	202.723

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

Compound	Time (min)	Peak Area
Ethanol	1.438	125.928
n-Propanol	2.624	209.605

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	315-01M.C.	**Vial:**	27
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:49:23 AM
Data file:	C:\Chem32\1\Data\12Nov26\27.D	**Analyst:**	Arroyo

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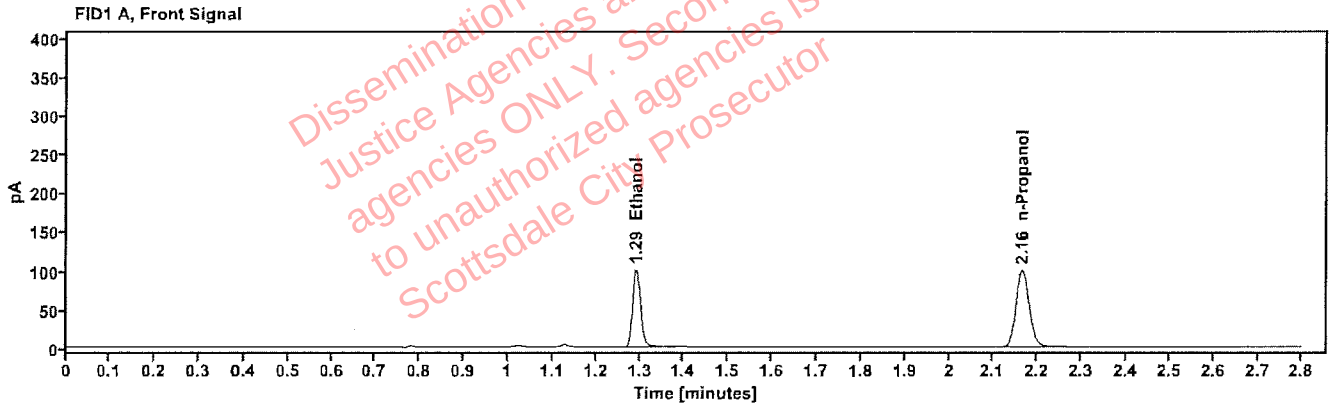

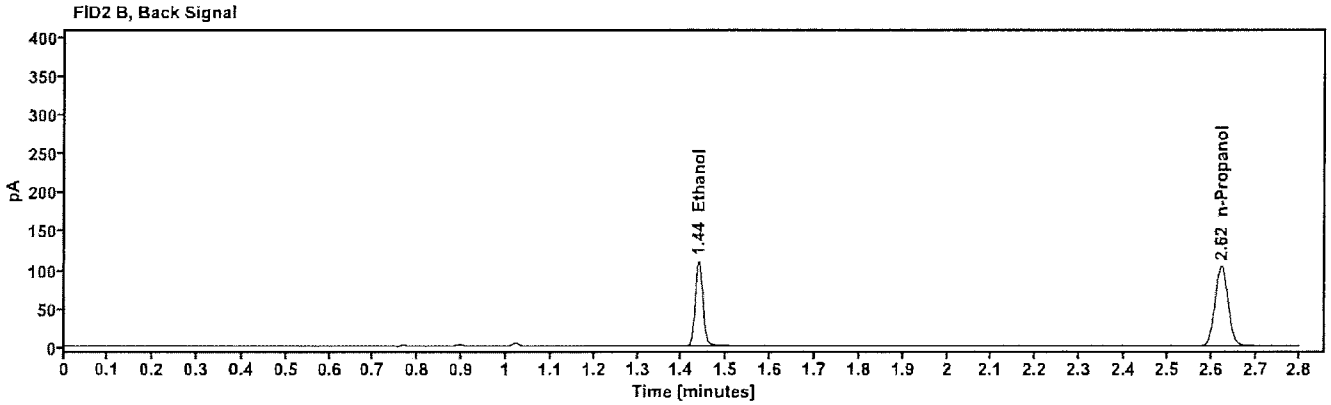

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1609	1.292	127.386
n-Propanol	-----	2.164	205.673

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

Compound	Time (min)	Peak Area
Ethanol	1.438	131.631
n-Propanol	2.623	213.114

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	315-01M.C.	**Vial:**	28
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:53:11 AM
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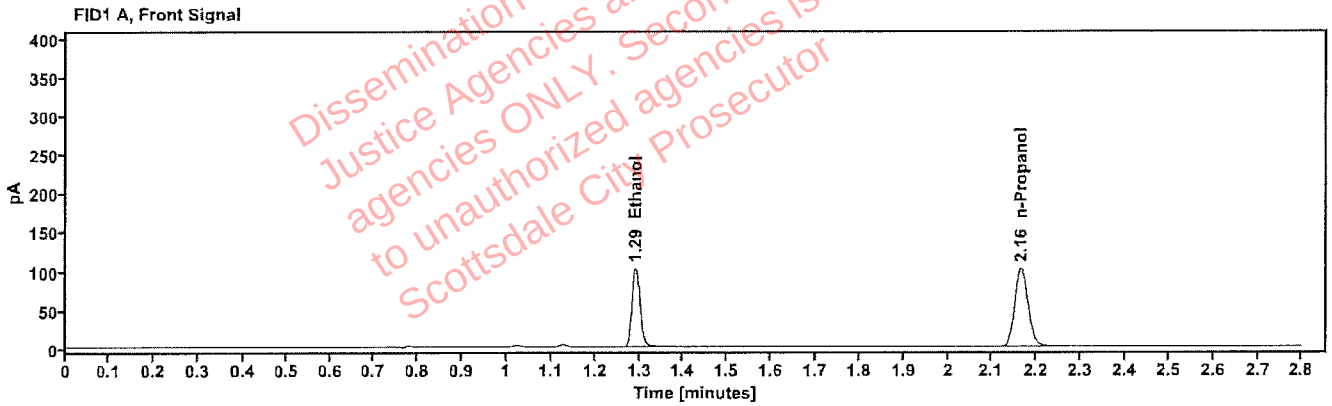

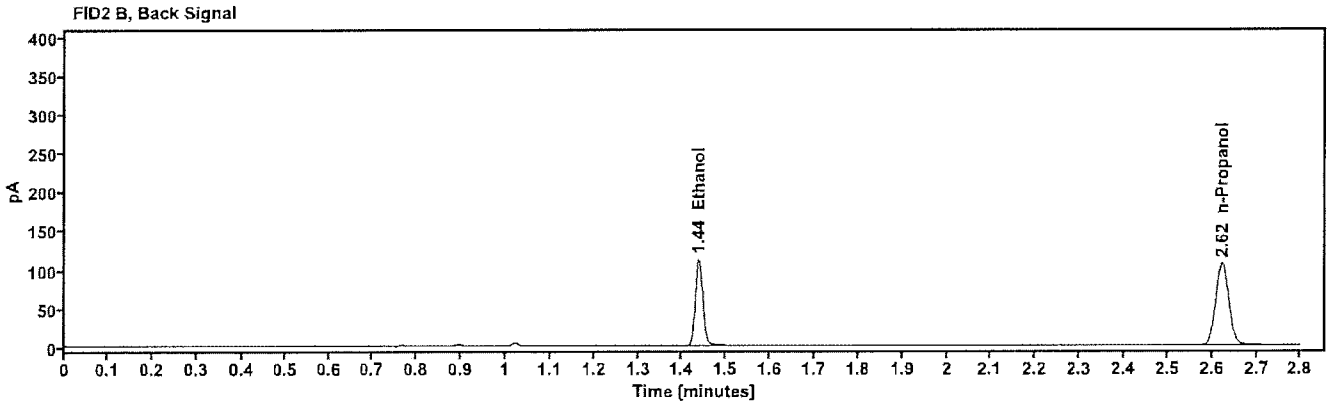

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1607	1.292	130.147
n-Propanol	-----	2.164	210.423

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

Compound	Time (min)	Peak Area
Ethanol	1.437	134.323
n-Propanol	2.623	218.064

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	459-01T.C.	**Vial:**	29
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 11:56:59 AM
Data file:	C:\Chem32\1\Data\12Nov26\29.D	**Analyst:**	Arroyo

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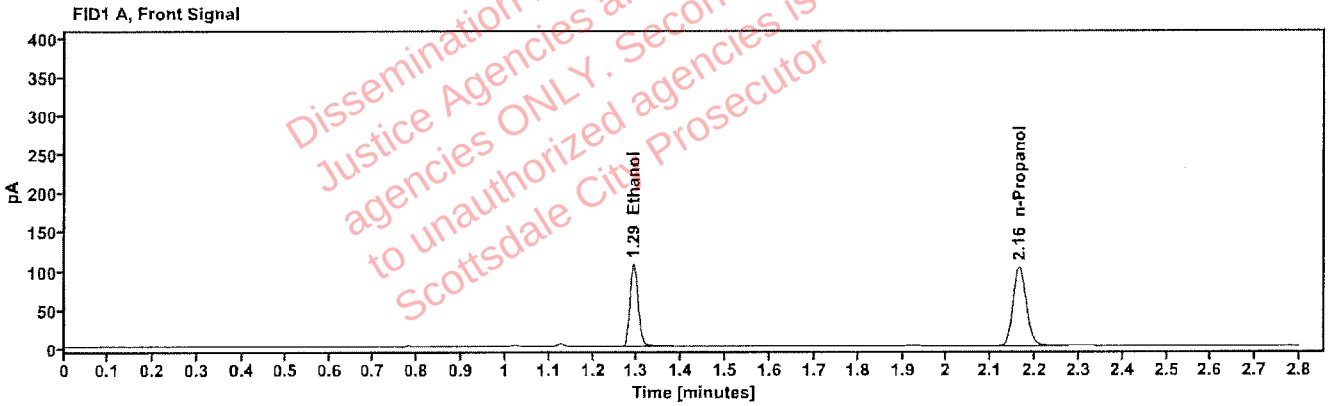

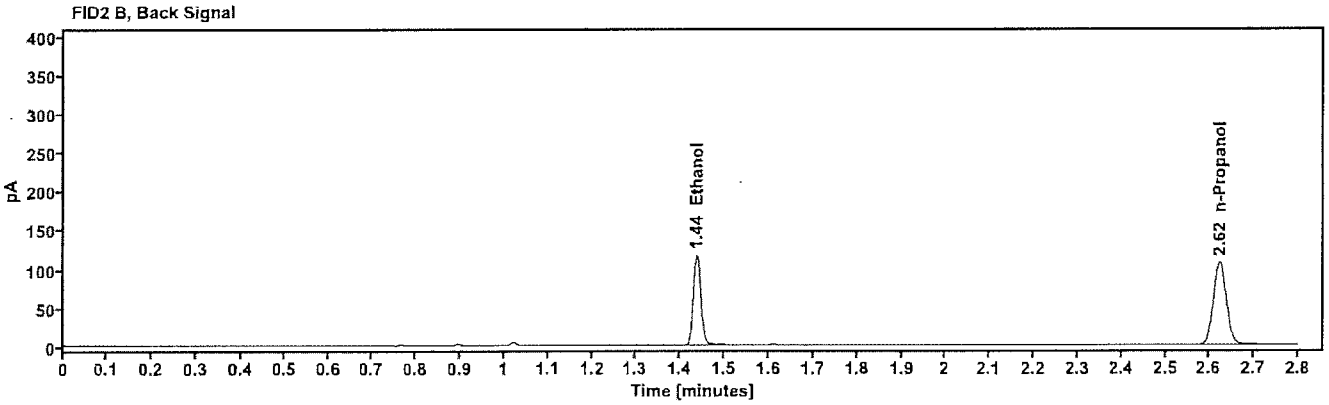

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1654	1.292	135.907
n-Propanol	-----	2.164	213.486

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

Compound	Time (min)	Peak Area
Ethanol	1.437	140.859
n-Propanol	2.623	220.873

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	459-01T.C.	**Vial:**	30
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:00:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\30.D	**Analyst:**	Arroyo

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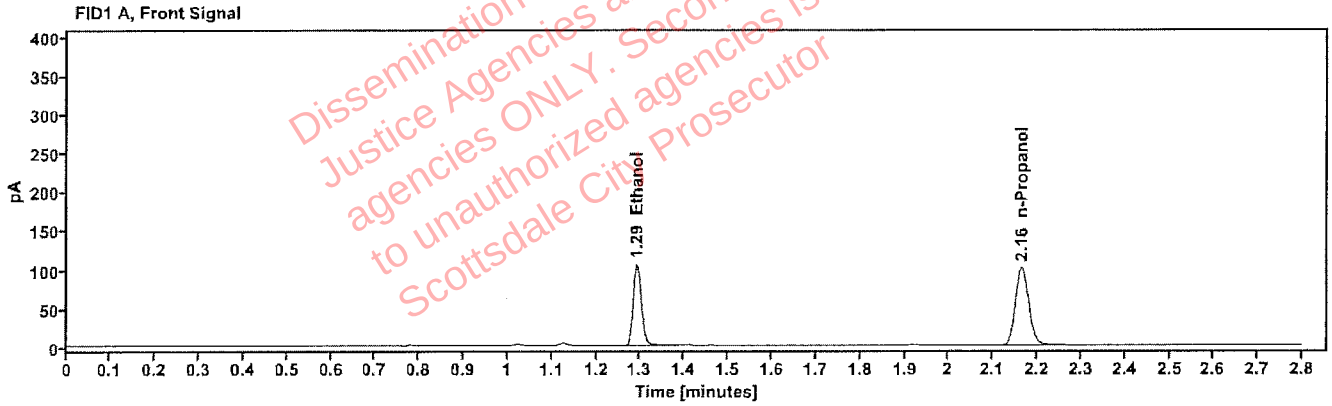

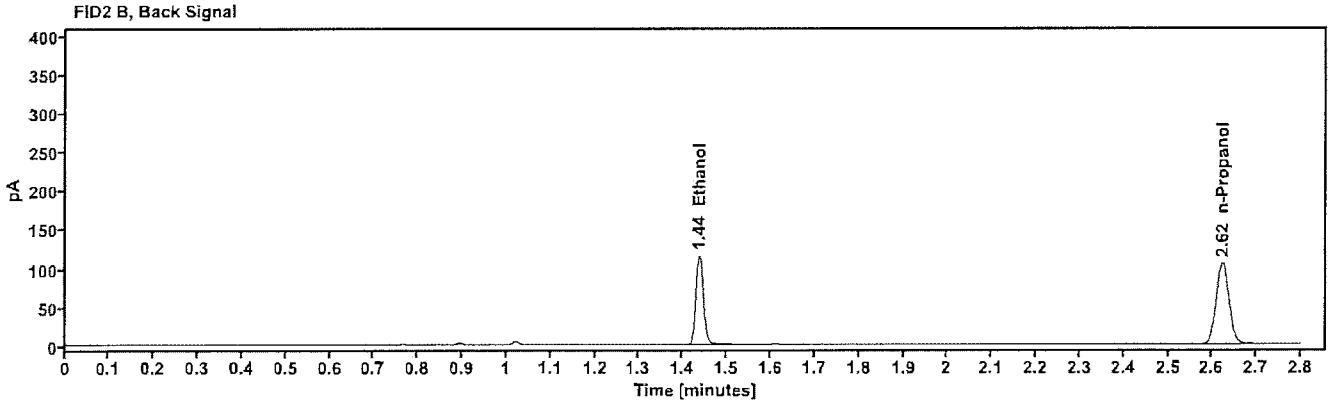

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1661	1.292	133.990
n-Propanol	-----	2.164	209.512

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

Compound	Time (min)	Peak Area
Ethanol	1.437	138.528
n-Propanol	2.623	216.727

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	450-01A.G.	**Vial:**	32
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:09:35 PM
Data file:	C:\Chem32\1\Data\12Nov26\32.D	**Analyst:**	Arroyo

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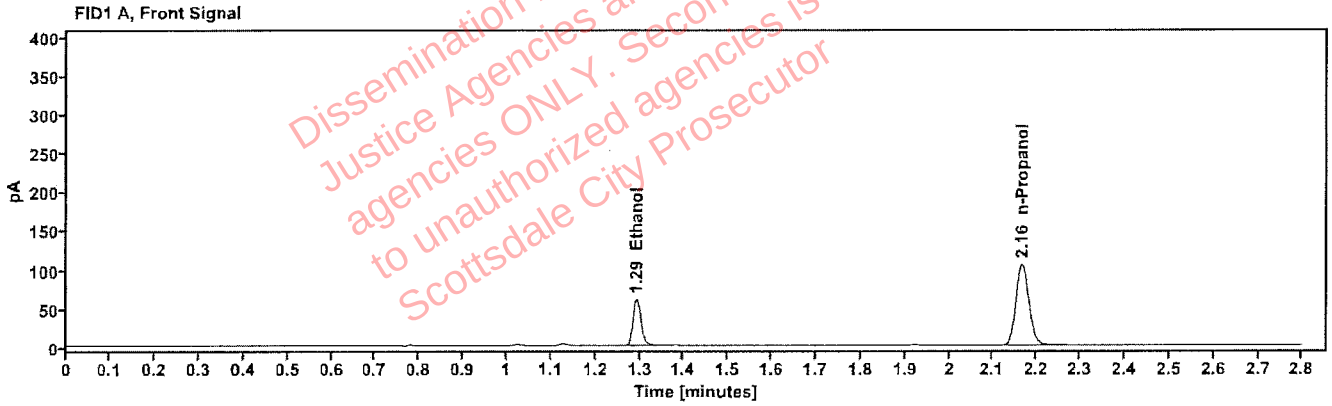

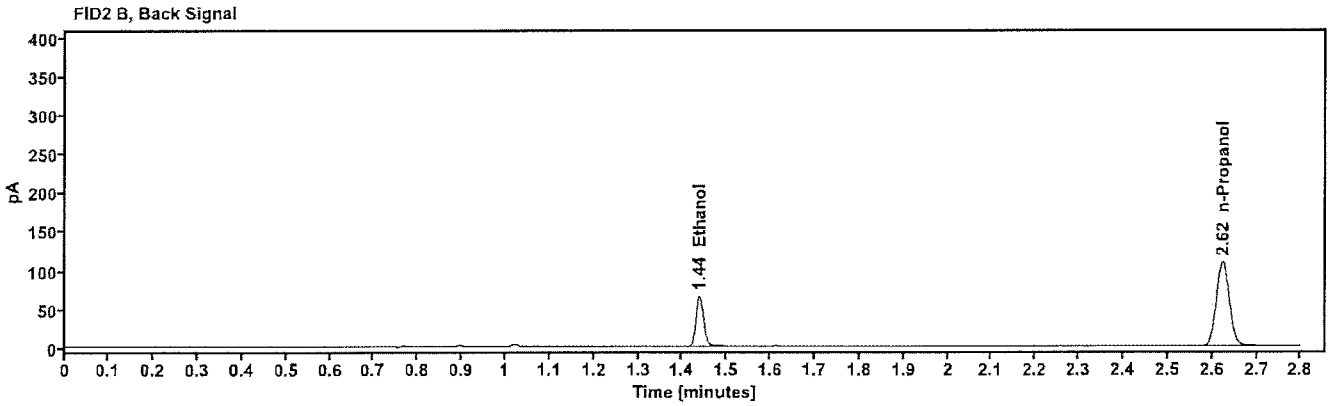

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0916	1.293	75.920
n-Propanol	-----	2.165	217.493

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

Compound	Time (min)	Peak Area
Ethanol	1.438	78.516
n-Propanol	2.624	225.466

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	450-01A.G.	**Vial:**	33
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:13:23 PM
Data file:	C:\Chem32\1\Data\12Nov26\33.D	**Analyst:**	Arroyo

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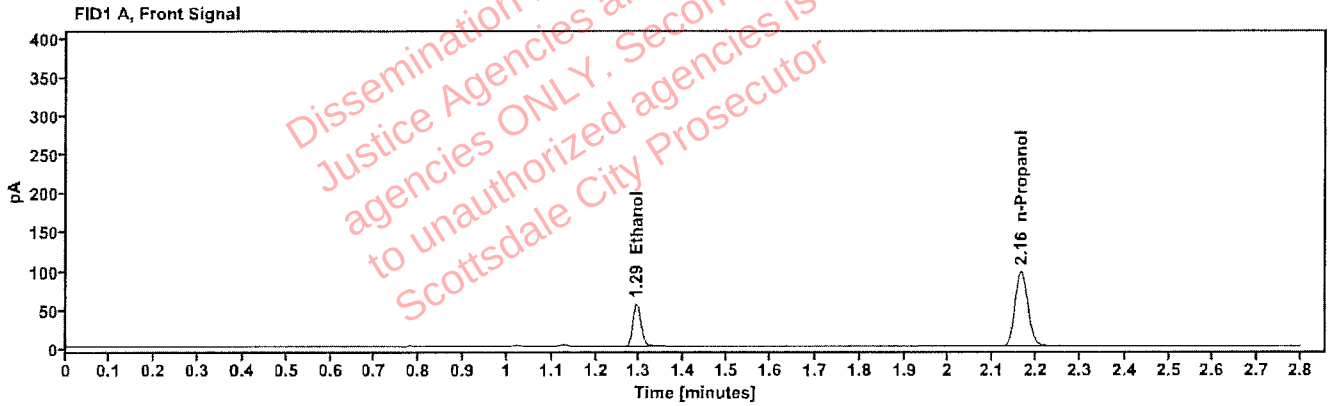

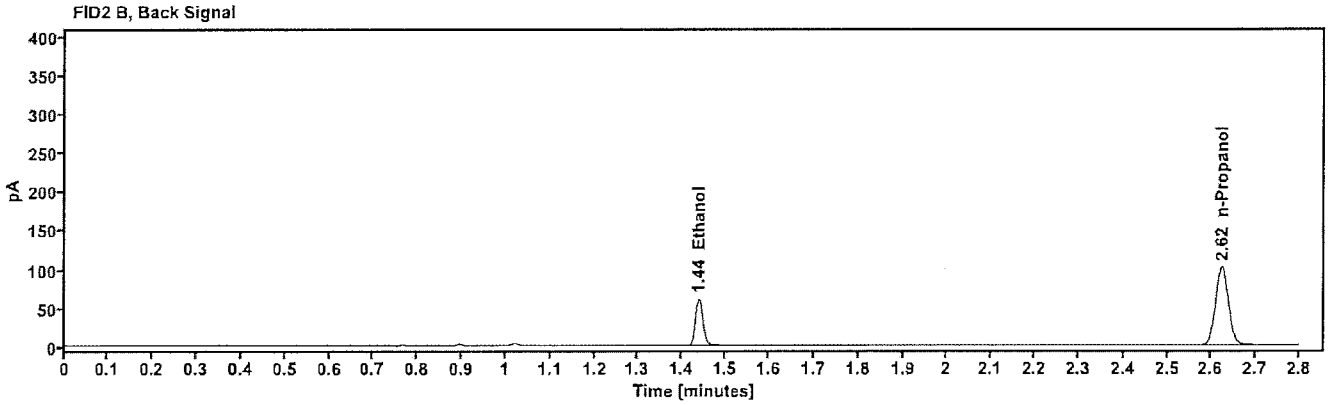

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0916	1.293	70.340
n-Propanol	-----	2.165	201.528

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

Compound	Time (min)	Peak Area
Ethanol	1.438	72.700
n-Propanol	2.624	208.766

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0435-01H.S.	**Vial:**	34
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:17:11 PM
Data file:	C:\Chem32\1\Data\12Nov26\34.D	**Analyst:**	Arroyo

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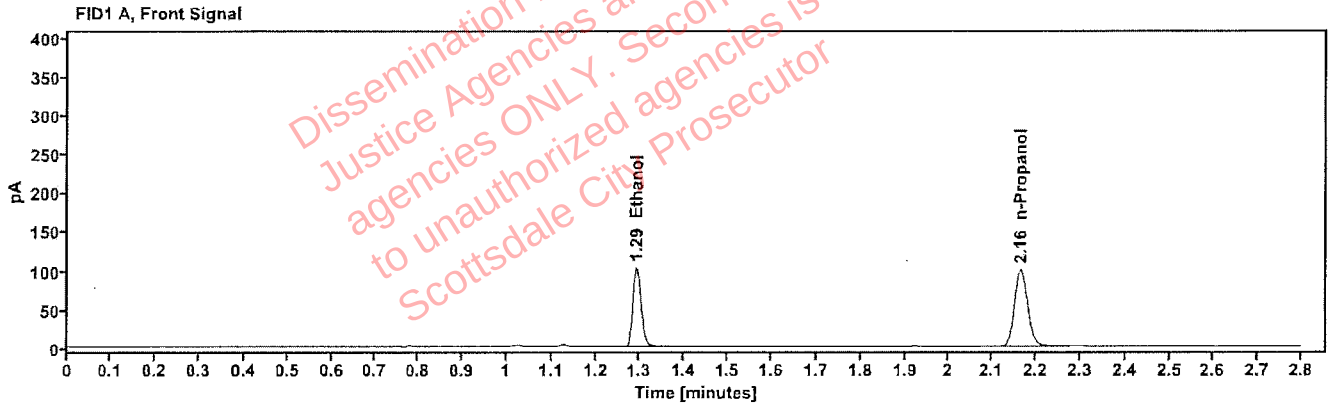

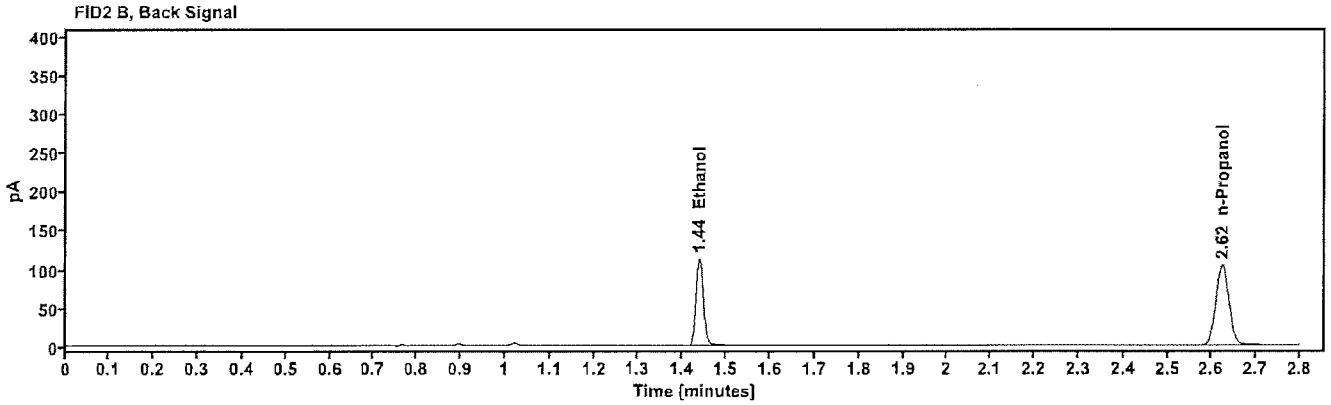

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1648	1.292	131.213
n-Propanol	-----	2.165	206.832

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

Compound	Time (min)	Peak Area
Ethanol	1.438	135.748
n-Propanol	2.624	214.171

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	0435-01H.S.	**Vial:**	35
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:20:59 PM
Data file:	C:\Chem32\1\Data\12Nov26\35.D	**Analyst:**	Arroyo

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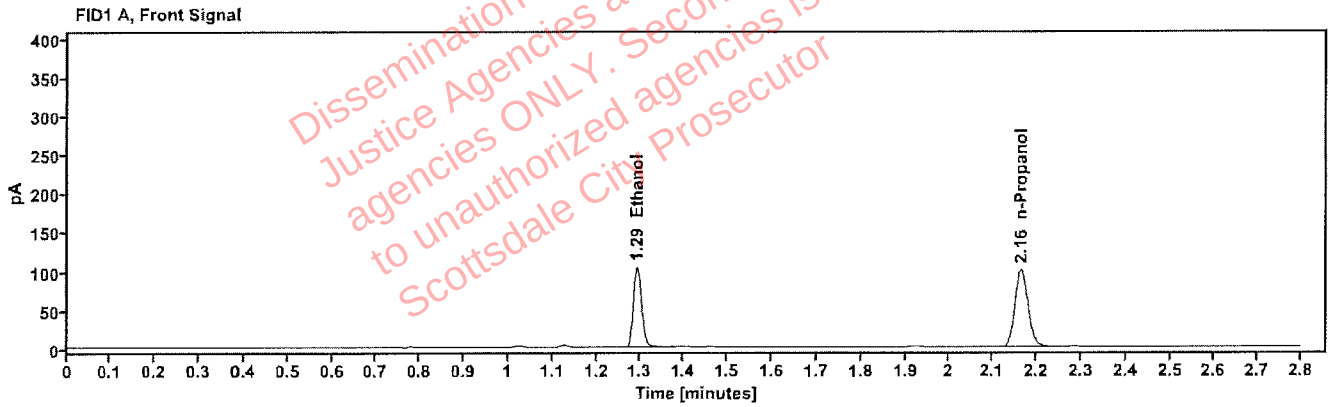

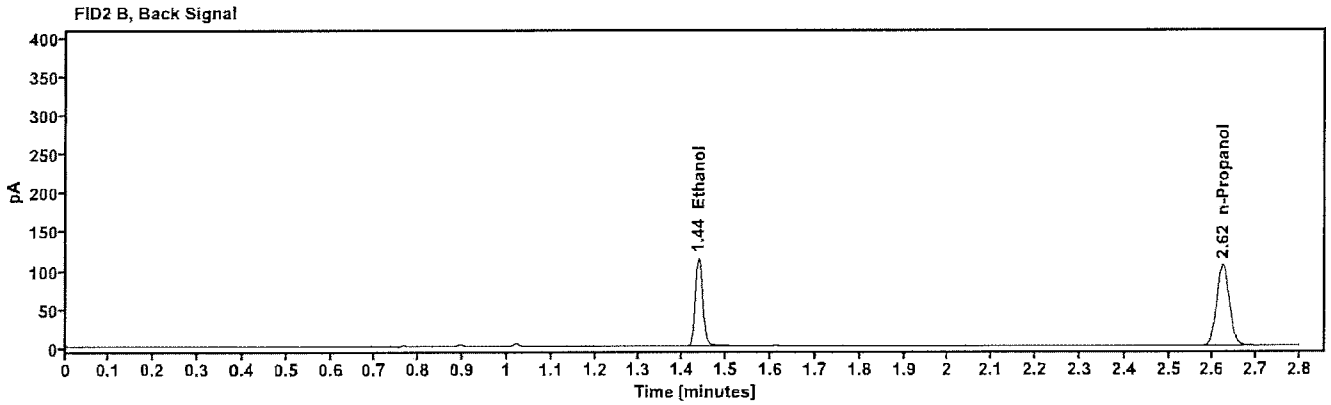

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1650	1.292	132.456
n-Propanol	-----	2.164	208.524

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

Compound	Time (min)	Peak Area
Ethanol	1.437	137.076
n-Propanol	2.623	215.906

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622328-4a	**Vial:**	36
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:24:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\36.D	**Analyst:**	Arroyo

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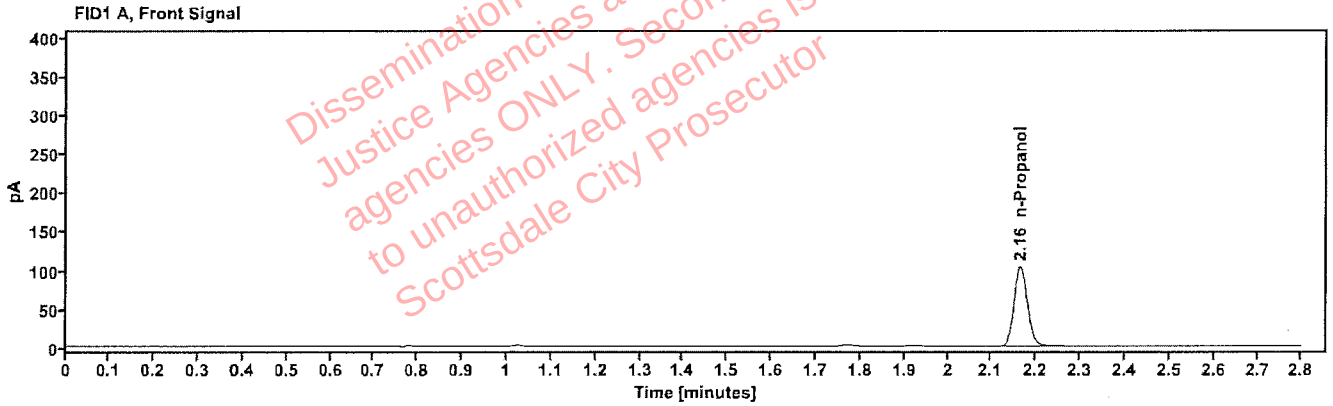

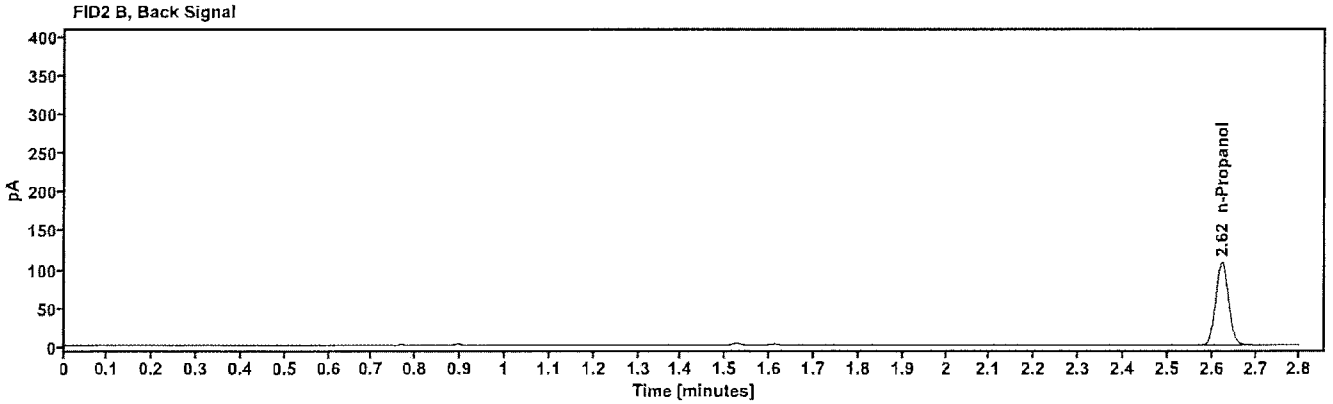

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	----	2.164	213.132

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

Compound	Time (min)	Peak Area
n-Propanol	2.623	220.975

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622328-4a	**Vial:**	37
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:29:46 PM
Data file:	C:\Chem32\1\Data\12Nov26\37.D	**Analyst:**	Arroyo

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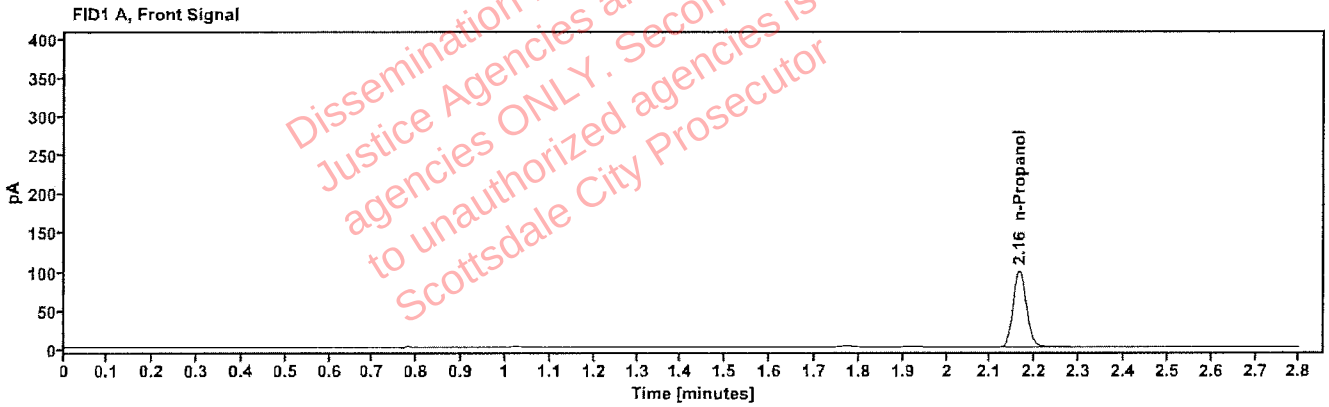

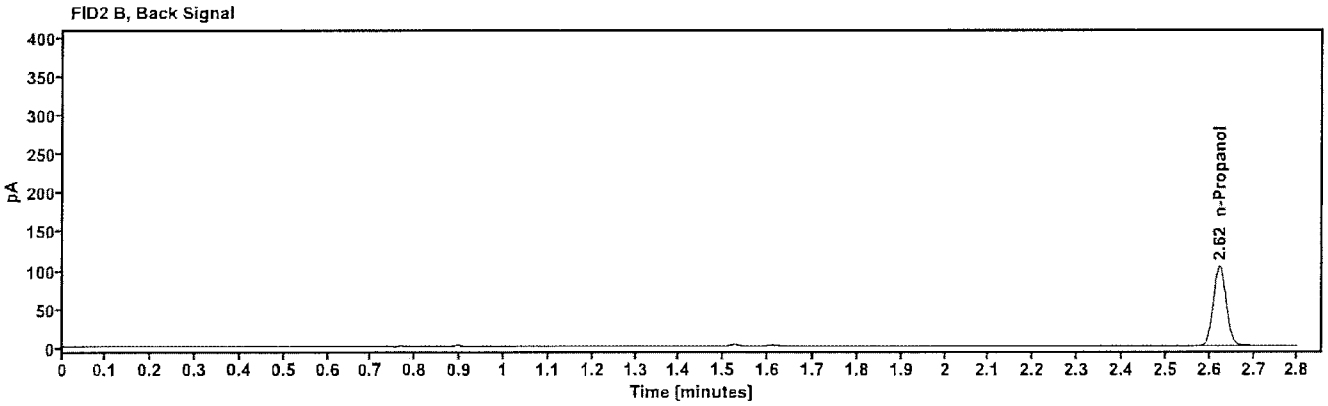

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
n-Propanol	-----	2.164	204.959

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

Compound	Time (min)	Peak Area
n-Propanol	2.623	212.668

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622419-1	**Vial:**	38
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:33:35 PM
Data file:	C:\Chem32\1\Data\12Nov26\38.D	**Analyst:**	Arroyo

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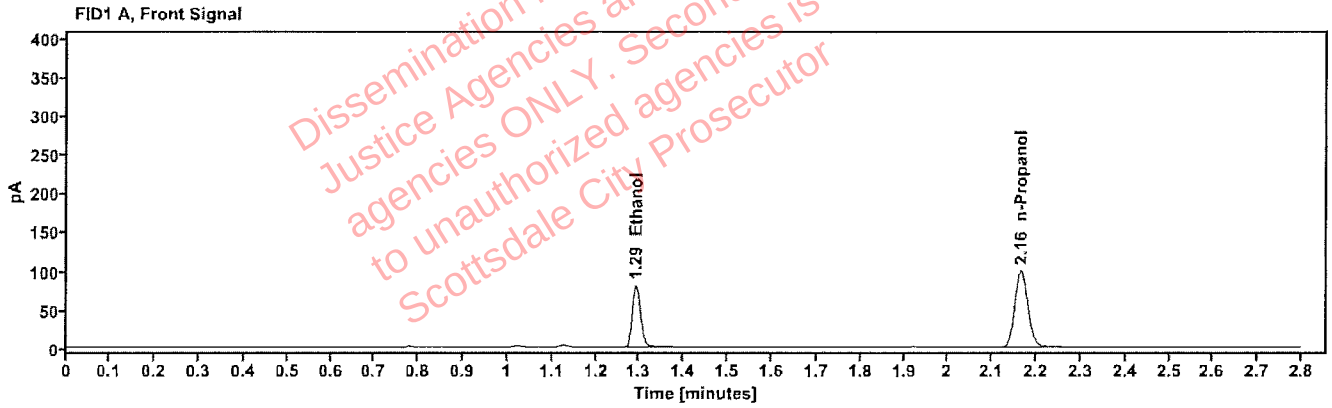

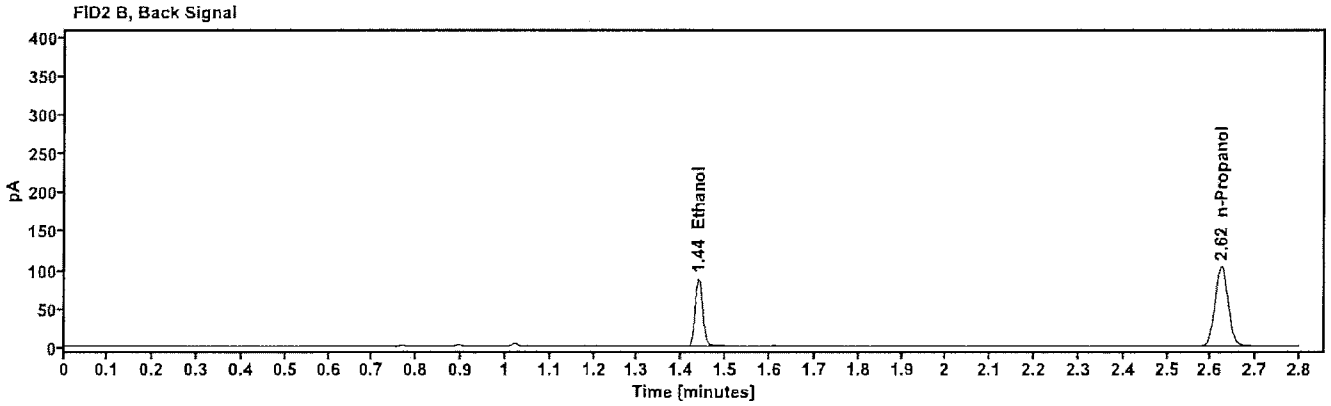

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1292	1.292	101.964
n-Propanol	------	2.165	205.709

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

Compound	Time (min)	Peak Area
Ethanol	1.438	105.466
n-Propanol	2.624	213.035

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622419-1	**Vial:**	39
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:37:23 PM
Data file:	C:\Chem32\1\Data\12Nov26\39.D	**Analyst:**	Arroyo

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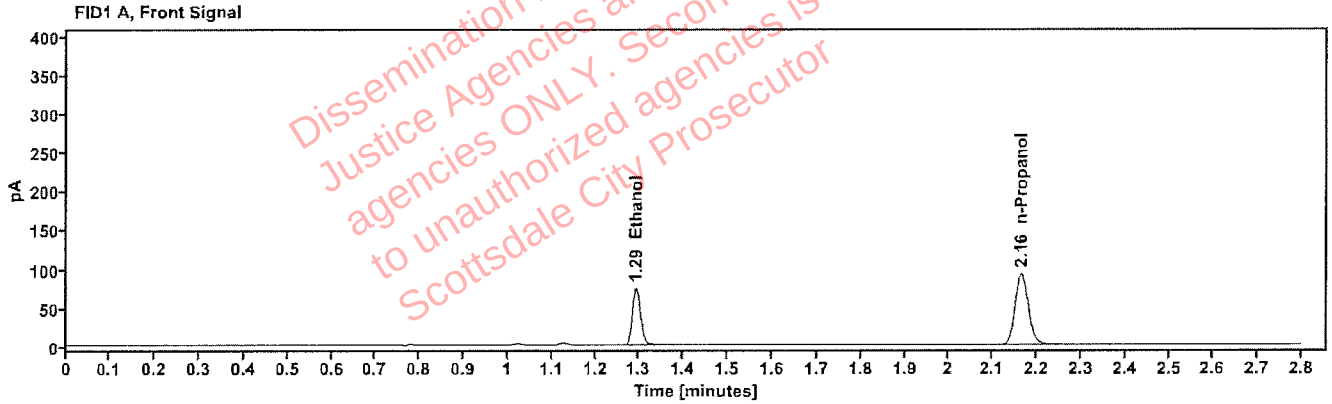

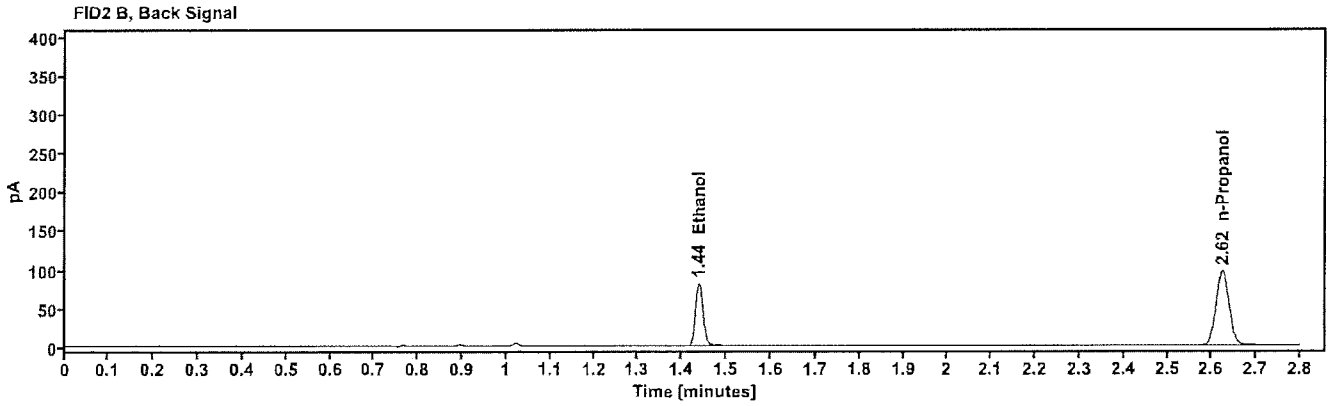

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1282	1.292	94.057
n-Propanol	-----	2.165	191.327

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

Compound	Time (min)	Peak Area
Ethanol	1.438	97.197
n-Propanol	2.624	198.230

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622400-1	**Vial:**	40
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:41:11 PM
Data file:	C:\Chem32\1\Data\12Nov26\40.D	**Analyst:**	Arroyo

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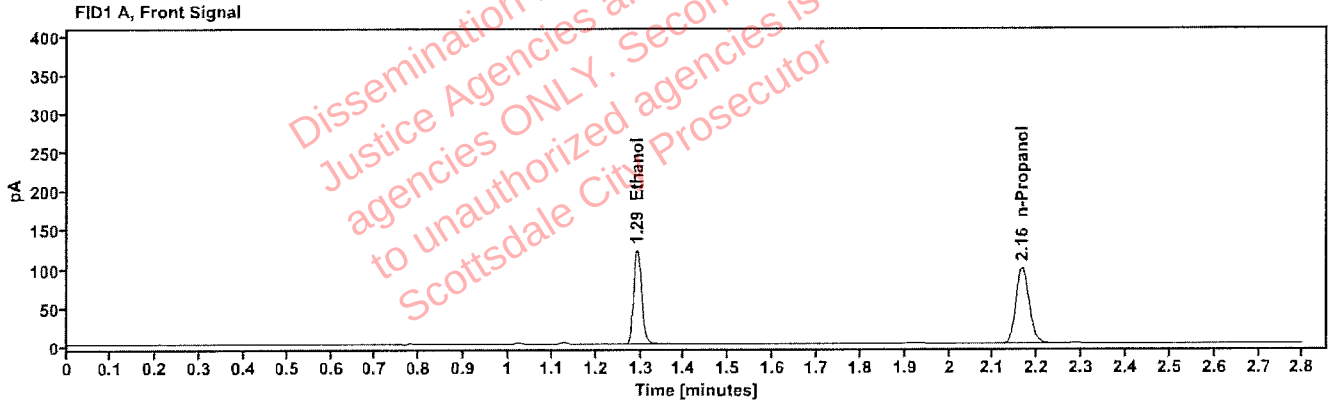

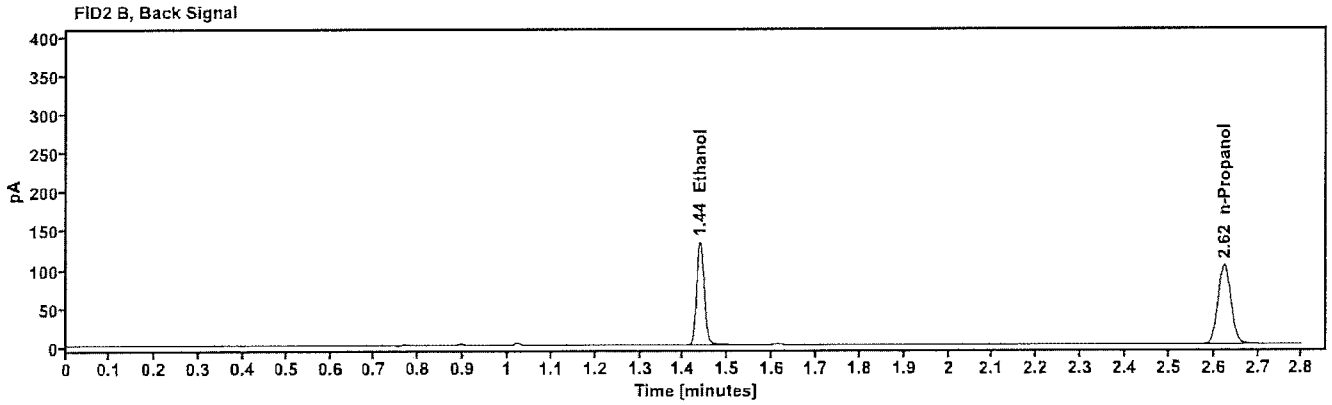

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1968	1.292	155.409
n-Propanol	-----	2.165	204.772

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

Compound	Time (min)	Peak Area
Ethanol	1.438	161.124
n-Propanol	2.624	211.613

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622400-1	**Vial:**	41
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:44:59 PM
Data file:	C:\Chem32\1\Data\12Nov26\41.D	**Analyst:**	Arroyo

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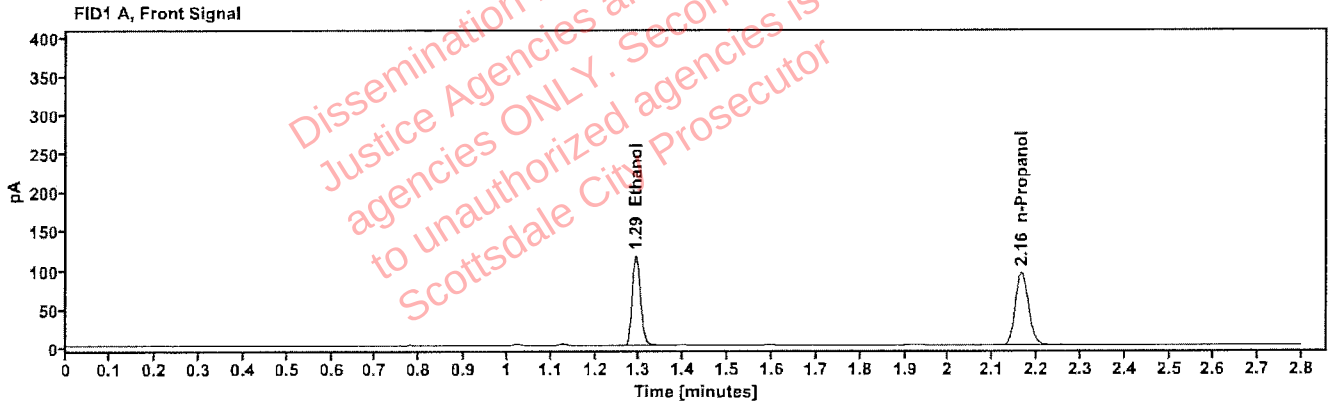

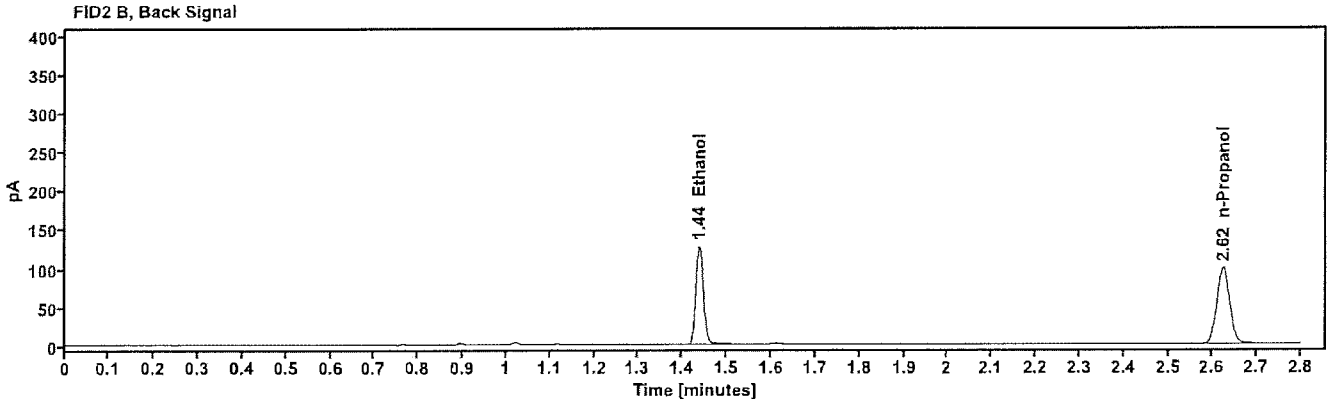

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1960	1.292	148.481
n-Propanol	-----	2.165	196.410

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

Compound	Time (min)	Peak Area
Ethanol	1.438	153.854
n-Propanol	2.624	202.892

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622422-1	**Vial:**	43
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:53:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\43.D	**Analyst:**	Arroyo

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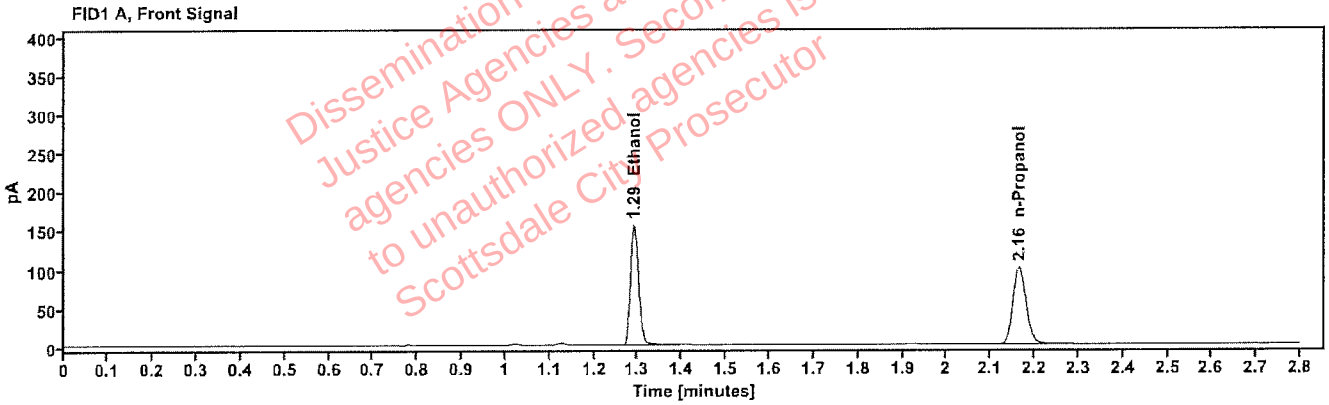

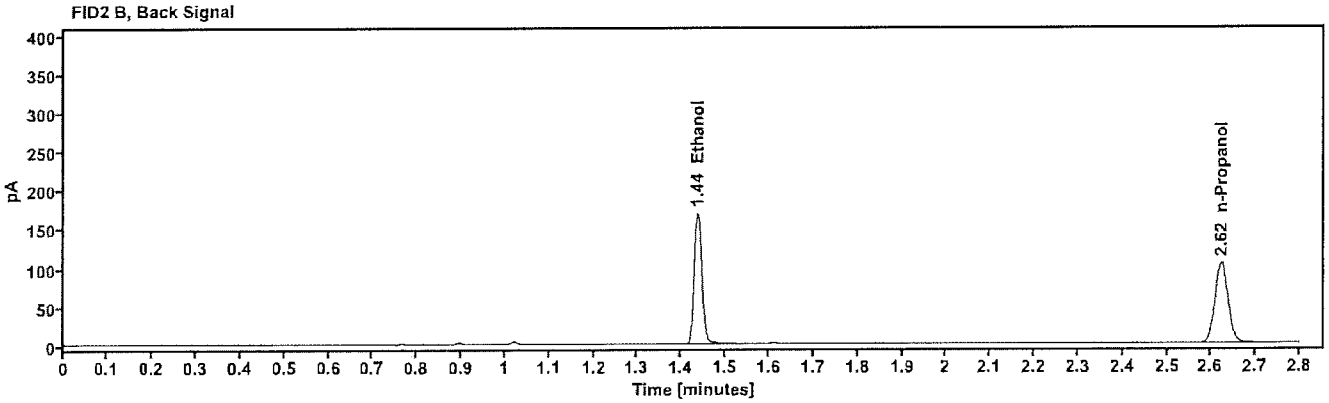

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2469	1.291	197.651
n-Propanol	-----	2.164	207.156

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

Compound	Time (min)	Peak Area
Ethanol	1.437	204.977
n-Propanol	2.623	214.366

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622422-1	**Vial:**	44
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 12:57:35 PM
Data file:	C:\Chem32\1\Data\12Nov26\44.D	**Analyst:**	Arroyo

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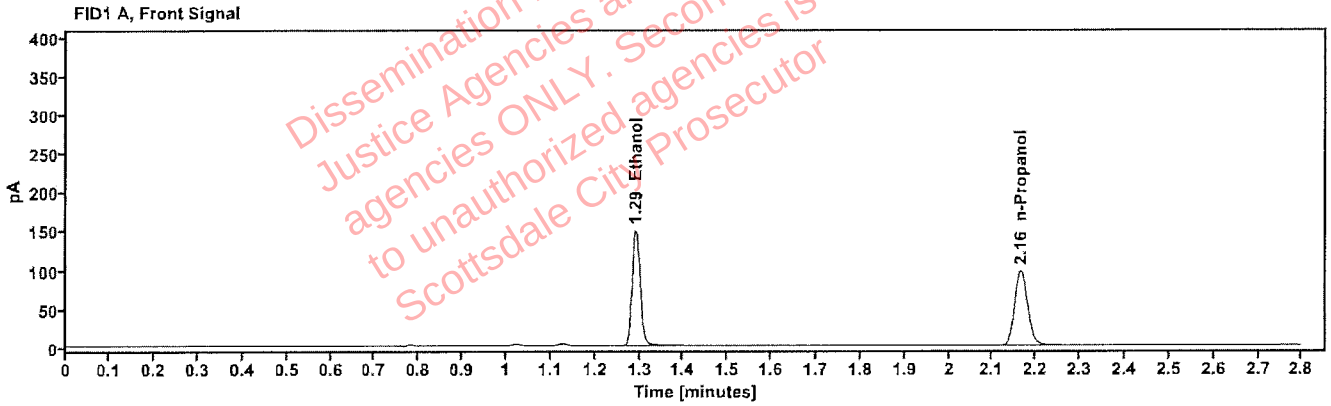

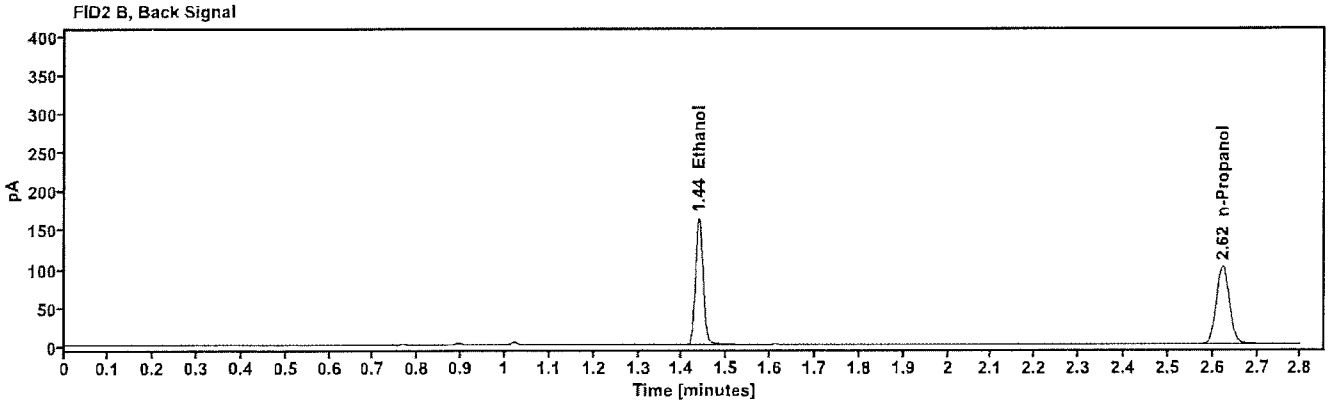

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.2462	1.291	190.511
n-Propanol	-----	2.164	200.180

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

Compound	Time (min)	Peak Area
Ethanol	1.437	197.775
n-Propanol	2.623	207.127

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622477-2	**Vial:**	45
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:01:22 PM
Data file:	C:\Chem32\1\Data\12Nov26\45.D	**Analyst:**	Arroyo

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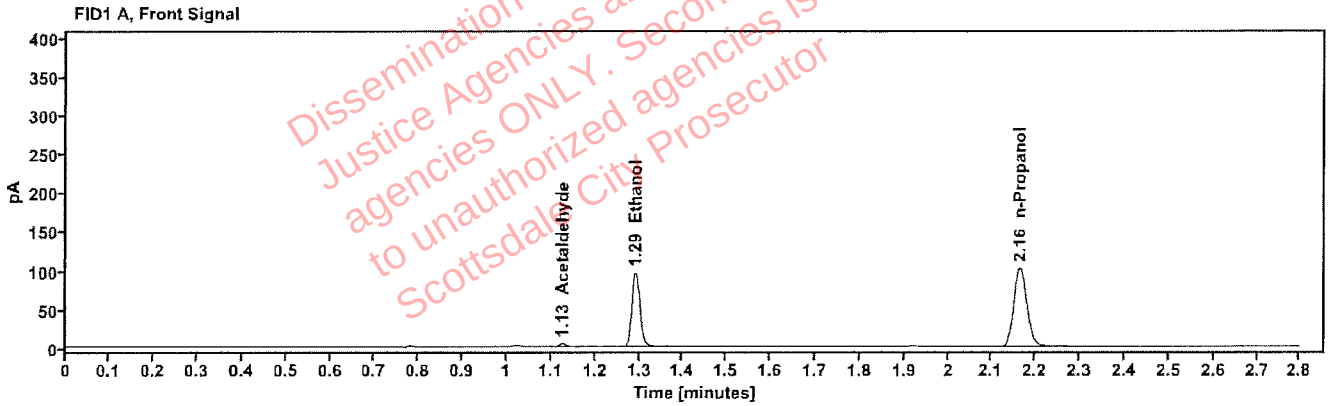

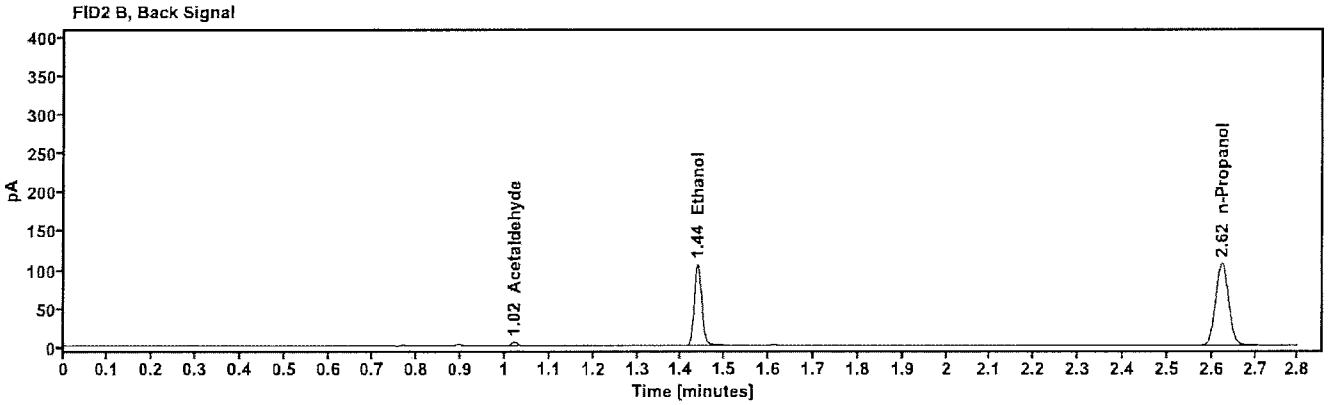

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.126	4.147
quantified Ethanol	0.1504	1.292	122.472
n-Propanol	-----	2.164	211.837

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.330
Ethanol	1.437	126.511
n-Propanol	2.623	219.285

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622477-2	**Vial:**	46
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:05:11 PM
Data file:	C:\Chem32\1\Data\12Nov26\46.D	**Analyst:**	Arroyo

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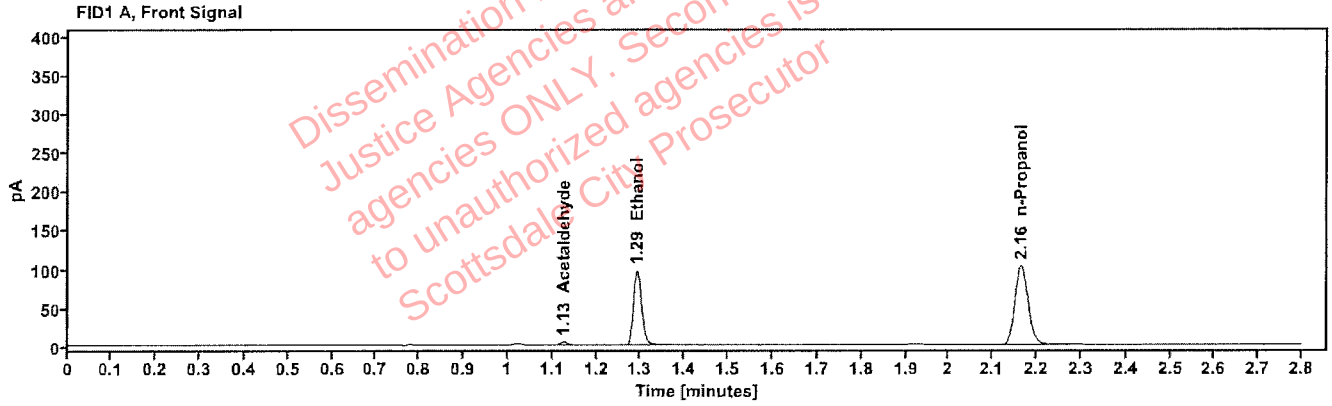

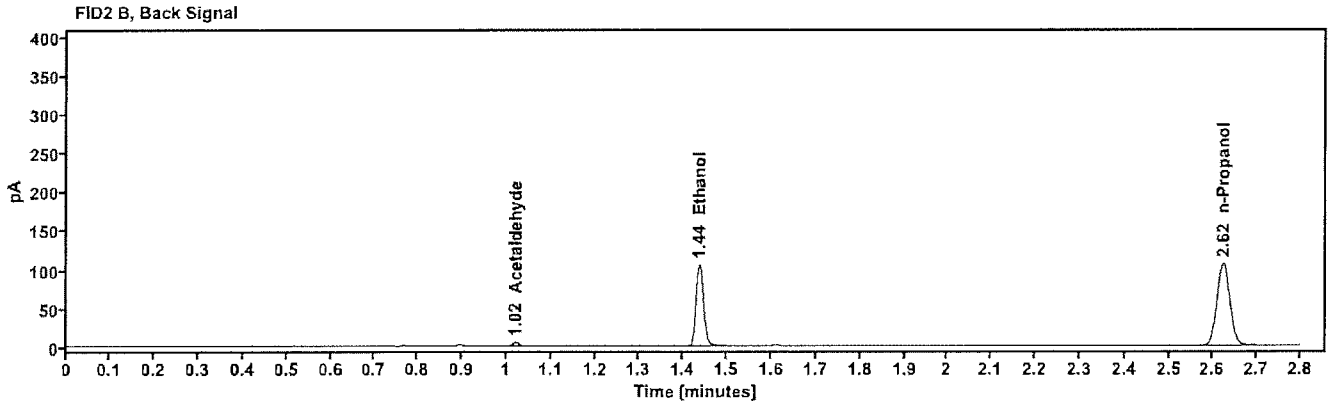

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
Acetaldehyde	-----	1.126	4.187
quantified Ethanol	0.1506	1.292	123.161
n-Propanol	-----	2.164	212.648

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	4.351
Ethanol	1.438	127.262
n-Propanol	2.623	220.168

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622099-2	**Vial:**	47
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:08:59 PM
Data file:	C:\Chem32\1\Data\12Nov26\47.D	**Analyst:**	Arroyo

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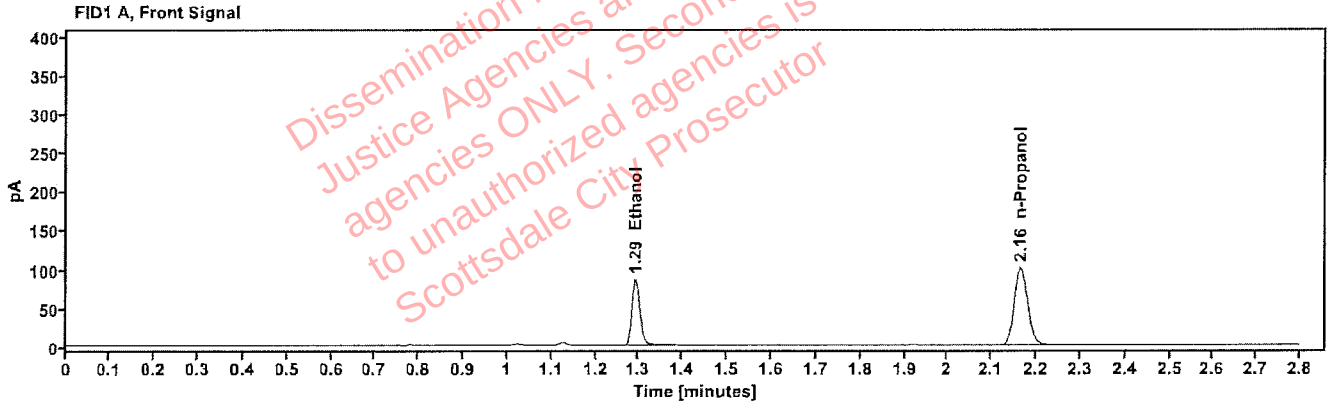

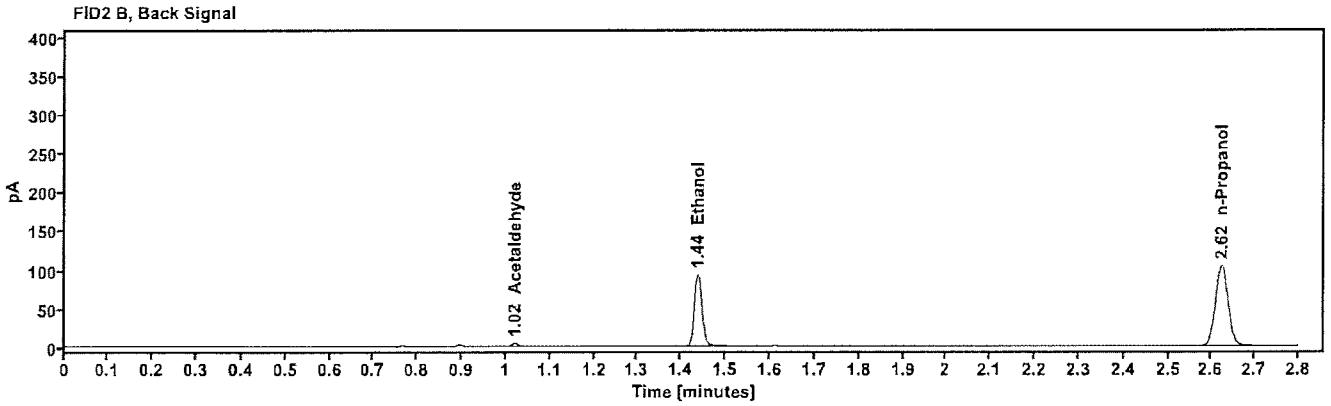

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1360	1.292	108.565
n-Propanol	-----	2.165	207.893

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	3.806
Ethanol	1.438	112.138
n-Propanol	2.624	215.099

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622099-2	**Vial:**	48
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:12:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\48.D	**Analyst:**	Arroyo

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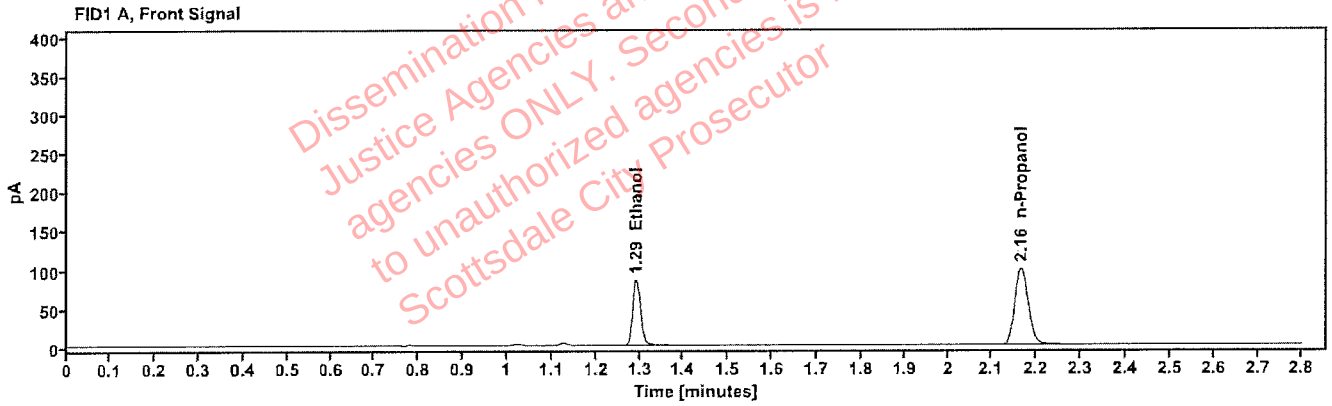

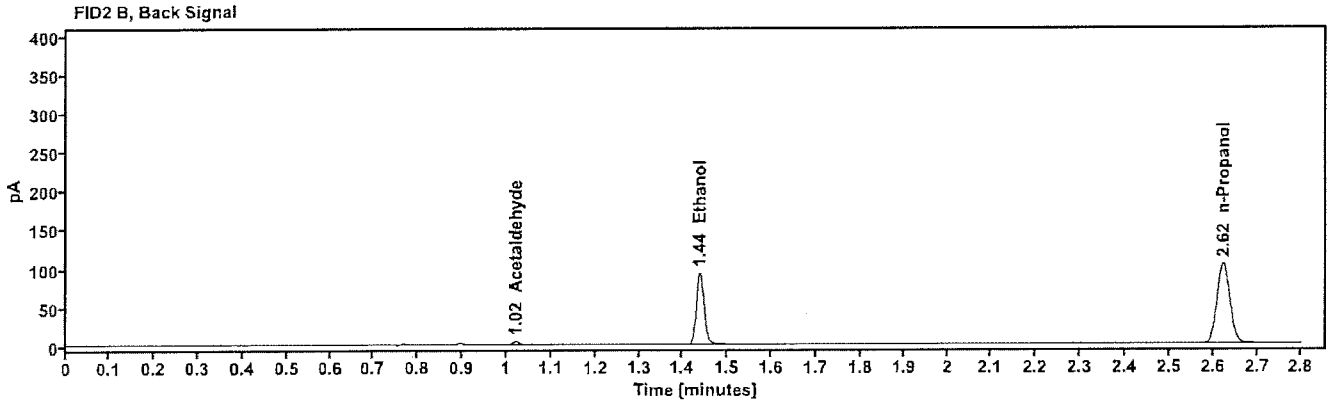

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.1364	1.292	108.141
n-Propanol	-----	2.165	206.505

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

Compound	Time (min)	Peak Area
Acetaldehyde	1.021	3.763
Ethanol	1.438	111.746
n-Propanol	2.624	213.723

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622564-1	**Vial:**	49
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:17:47 PM
Data file:	C:\Chem32\1\Data\12Nov26\49.D	**Analyst:**	Arroyo

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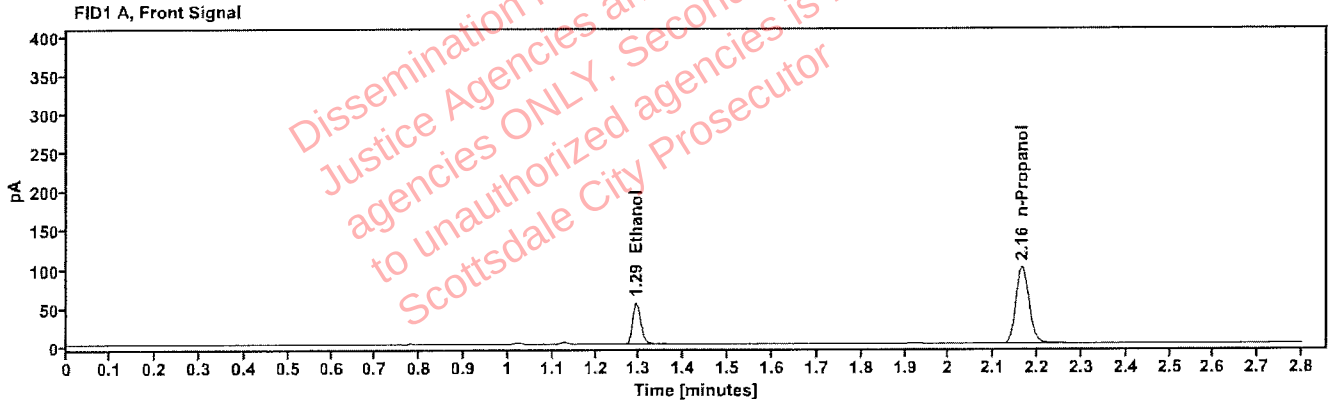

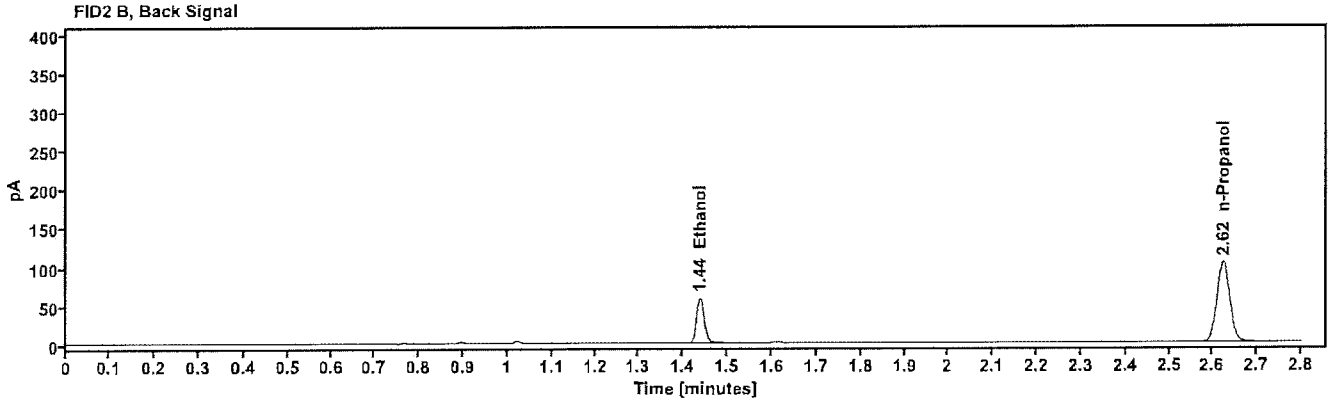

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0868	1.293	68.228
n-Propanol	-----	2.165	206.422

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

Compound	Time (min)	Peak Area
Ethanol	1.438	70.496
n-Propanol	2.624	213.799

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622564-1	**Vial:**	50
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:21:34 PM
Data file:	C:\Chem32\1\Data\12Nov26\50.D	**Analyst:**	Arroyo

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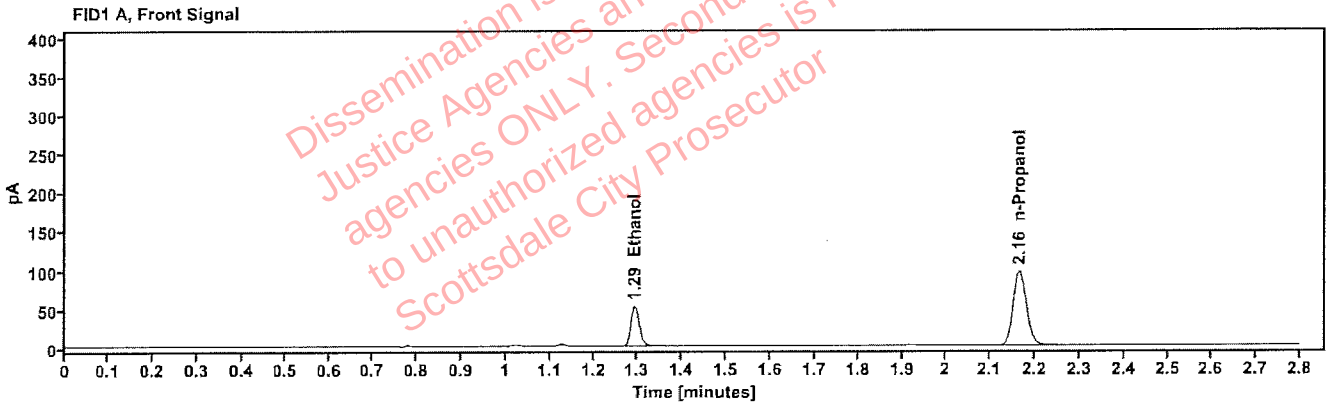

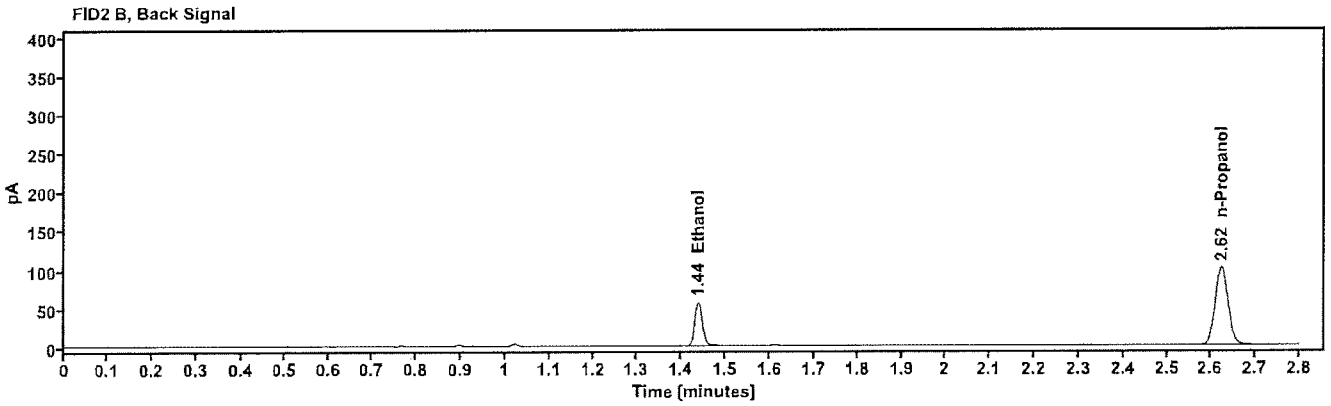

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.0868	1.293	66.096
n-Propanol	-----	2.165	200.067

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

Compound	Time (min)	Peak Area
Ethanol	1.438	68.271
n-Propanol	2.624	207.058

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622607-2	**Vial:**	51
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:25:23 PM
Data file:	C:\Chem32\1\Data\12Nov26\51.D	**Analyst:**	Arroyo

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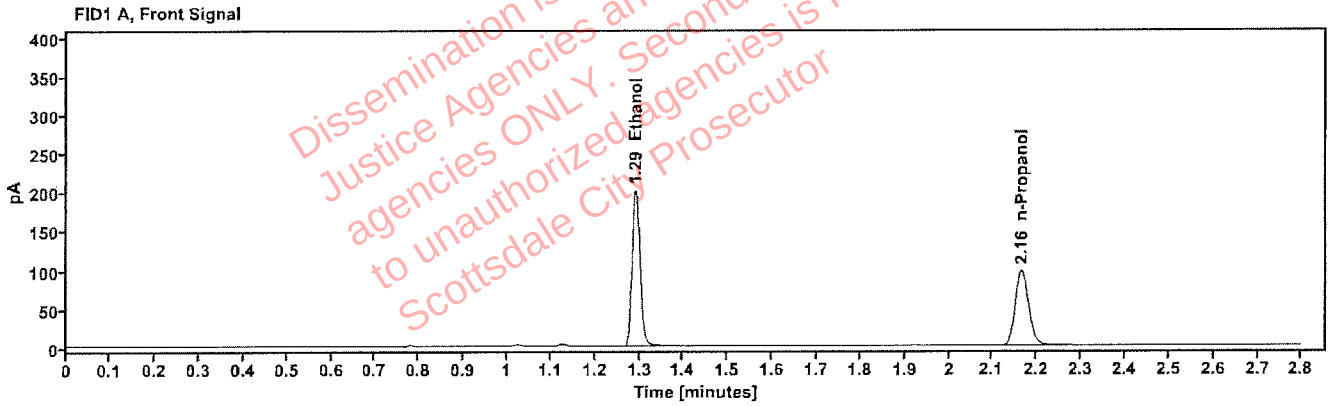

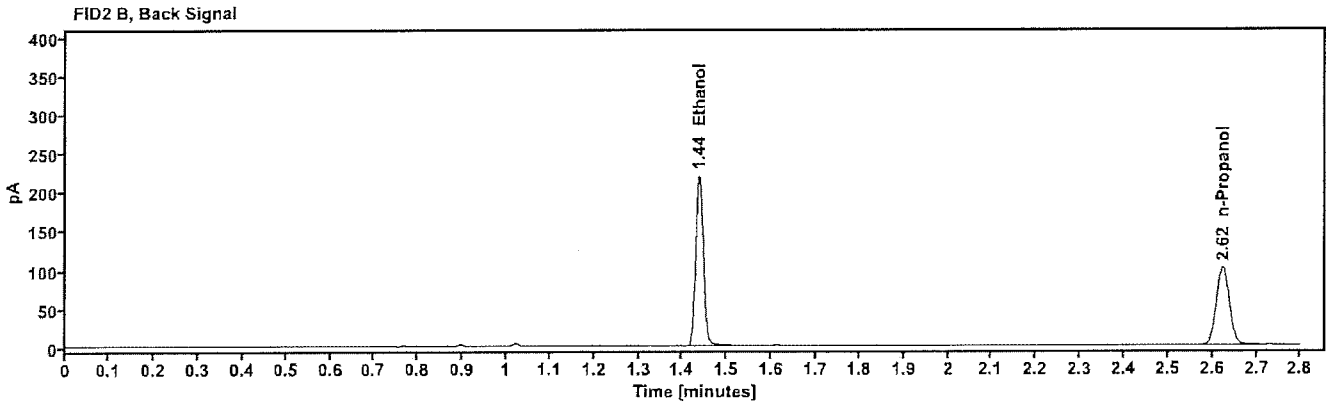

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.3291	1.291	256.407
n-Propanol	-----	2.165	201.159

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

Compound	Time (min)	Peak Area
Ethanol	1.437	265.794
n-Propanol	2.623	207.769

[redacted]: Arroyo, Alexandra - (11-12-2026)

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	2622607-2	**Vial:**	52
Description:	[redacted]	**LIMS ID:**	[redacted]
Method:	ethanol quant.M	**Sequence:**	12Nov26
Instrument:	US2320A024 US23180007	**Injection date:**	11/12/2026 1:29:10 PM
Data file:	C:\Chem32\1\Data\12Nov26\52.D	**Analyst:**	Arroyo

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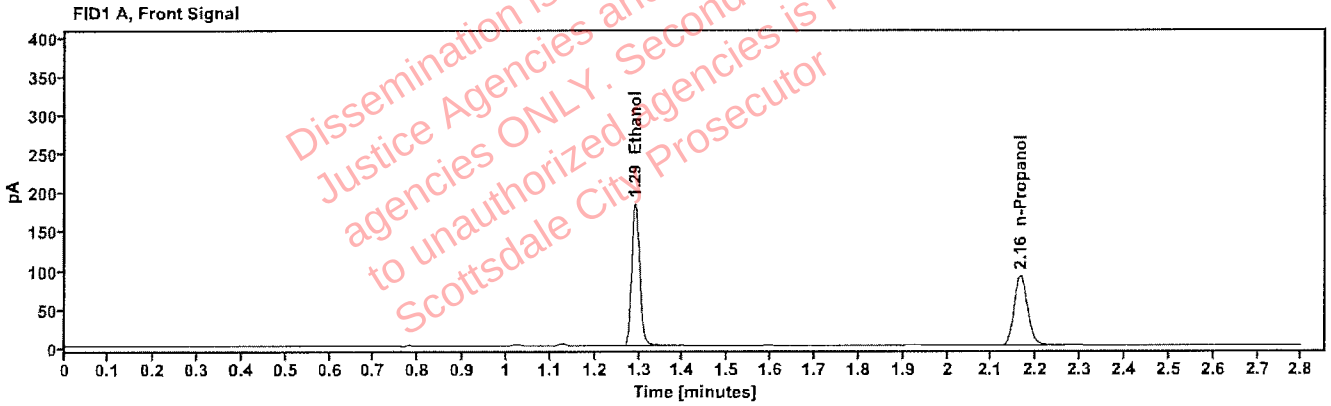

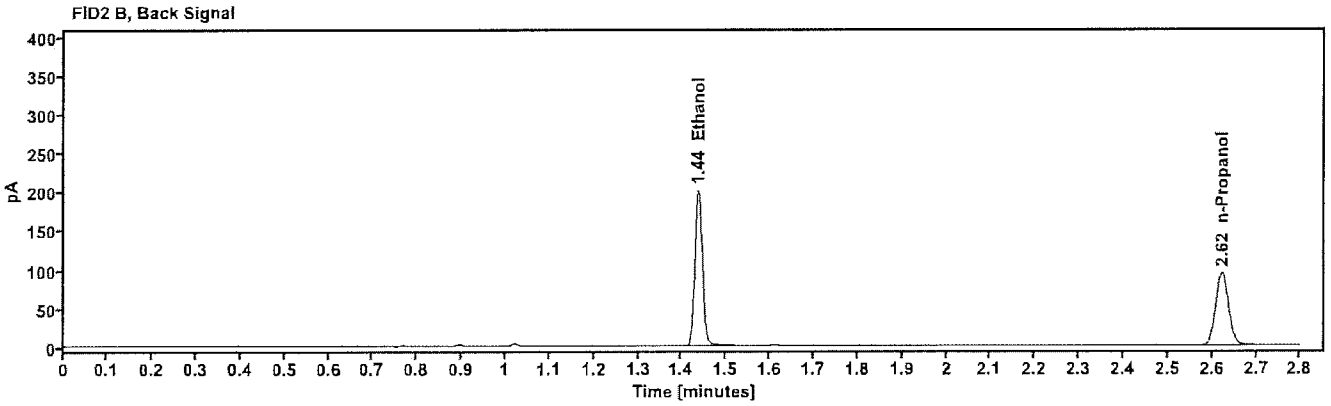

Table 1: FID 1 A (column DB-ALC1)

Compound	Amount (g/100mL)	Time (min)	Peak Area
quantified Ethanol	0.3235	1.291	234.524
n-Propanol	-----	2.164	187.179

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

Compound	Time (min)	Peak Area
Ethanol	1.437	243.131
n-Propanol	2.623	193.364