

SCOTTSDALE POLICE DEPARTMENT CRIME LABORATORY BLOOD ALCOHOL FACE SHEET

ANALYSIS DATE 7/15/20 SEQUENCE NAME 15Jul20

EQUIPMENT

Pipettor Hamilton ML600EH7497 Hamilton ML600GJ10749
 Gas Chromatograph Agilent US14173023

INSTRUMENT CALIBRATION

Vial 1 0.02 calibrator Lot FN03241604 Coefficient of determination (r²)
 Vial 2 0.10 calibrator Lot FN02271802 0.99981
 Vial 3 0.20 calibrator Lot FN06231704
 Vial 4 0.40 calibrator Lot FN05131606

CALIBRATION VERIFICATION AND RESOLUTION TEST


Vial	Sample	Expected result	Measured result	Manufacturer/lot
5	Blank	Not detected	Not detected	SPD lab 040720AQ
6	Volatiles mix	6 compounds	6 compounds	SPD lab 070819MIX
7	Aqueous control	0.400 g/dL	0.401 g/dL	Lipomed 11092018-A
8	Aqueous control	0.040 g/dL	0.041 g/dL	Lipomed 14082019-B
9	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
20	Aqueous control	0.080 g/dL	0.079 g/dL	Lipomed 03102016-A/1
31	Aqueous control	0.080 g/dL	0.080 g/dL	Lipomed 03102016-A/1
42	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
45	Aqueous control	0.400 g/dL	0.399 g/dL	Lipomed 11092018-A
46	Aqueous control	0.040 g/dL	0.039 g/dL	Lipomed 14082019-B
47	Blood control	0.198 g/dL	0.198 g/dL	ACQ 407041529/13
48	Blank	Not detected	Not detected	SPD lab 040919WB

SUBJECT SAMPLES

Subjects in the sequence 15 Subjects requiring reanalysis 0

ADDITIONAL NOTES: All testing proceeded as expected. This run also included one calibrator that needed to be validated.

Run valid
 Run invalid


 Analyst

Run valid
 Run invalid


 Technical Reviewer

Scottsdale Police Department Crime Laboratory Sequence Quality Assurance Summary

PB

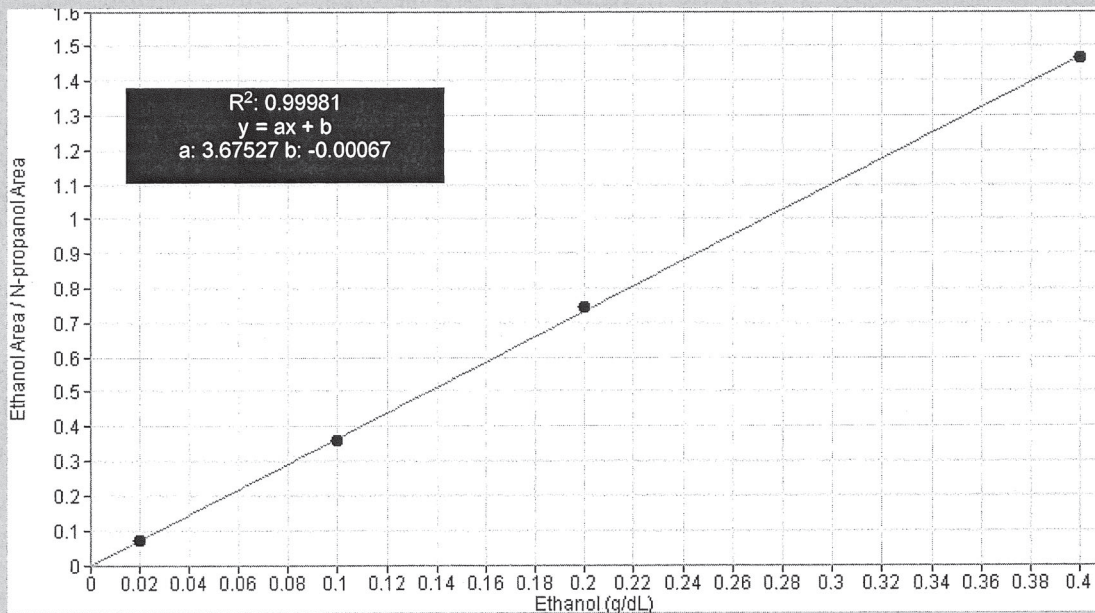
SEQUENCE NAME: 15Jul20

ANALYST: Brooke

Sample Name	Vial	Measured Value (g/dL)	Expected Value (g/dL)	Percent Difference	Absolute Difference (g/dL)
blank 040720AQ	5	negative	negative	-	-
0.400 11092018-A	7	0.401	0.400	0.25	0.001
0.040 14082019-B	8	0.041	0.040	2.50	0.001
0.198 407041529/13	9	0.198	0.198	0.00	0.000
0.080 03102016-A/1	20	0.079	0.080	1.25	-0.001
0.080 03102016-A/1	31	0.080	0.080	0.00	0.000
0.198 407041529/13	42	0.198	0.198	0.00	0.000
0.400 11092018-A	45	0.399	0.400	0.25	-0.001
0.040 14082019-B	46	0.039	0.040	2.50	-0.001
0.198 407041529/13	47	0.198	0.198	0.00	0.000
blank 040919WB	48	negative	negative	-	-

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

Calibration Line



Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: FN03241604	Vial: 1
Description: 0.020 calibrator	Sequence: 15Jul20
Method: ethanol quant.M	Injection date: 7/15/2020 11:52:28 AM
Instrument: US14173023 CN14160045	Analyst: Brooke <i>AB</i>
Data file: C:\Chem32\1\Data\15Jul20\1.D	

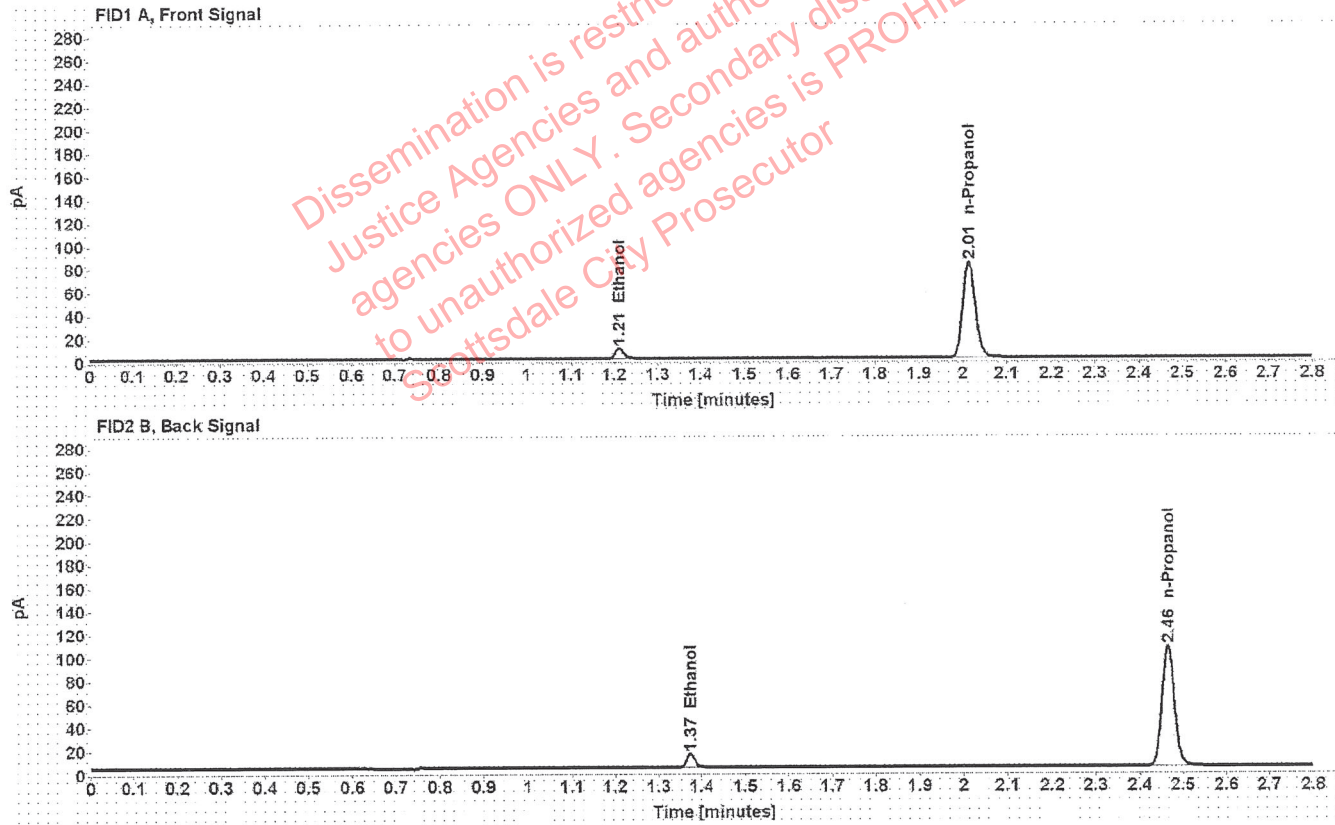


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

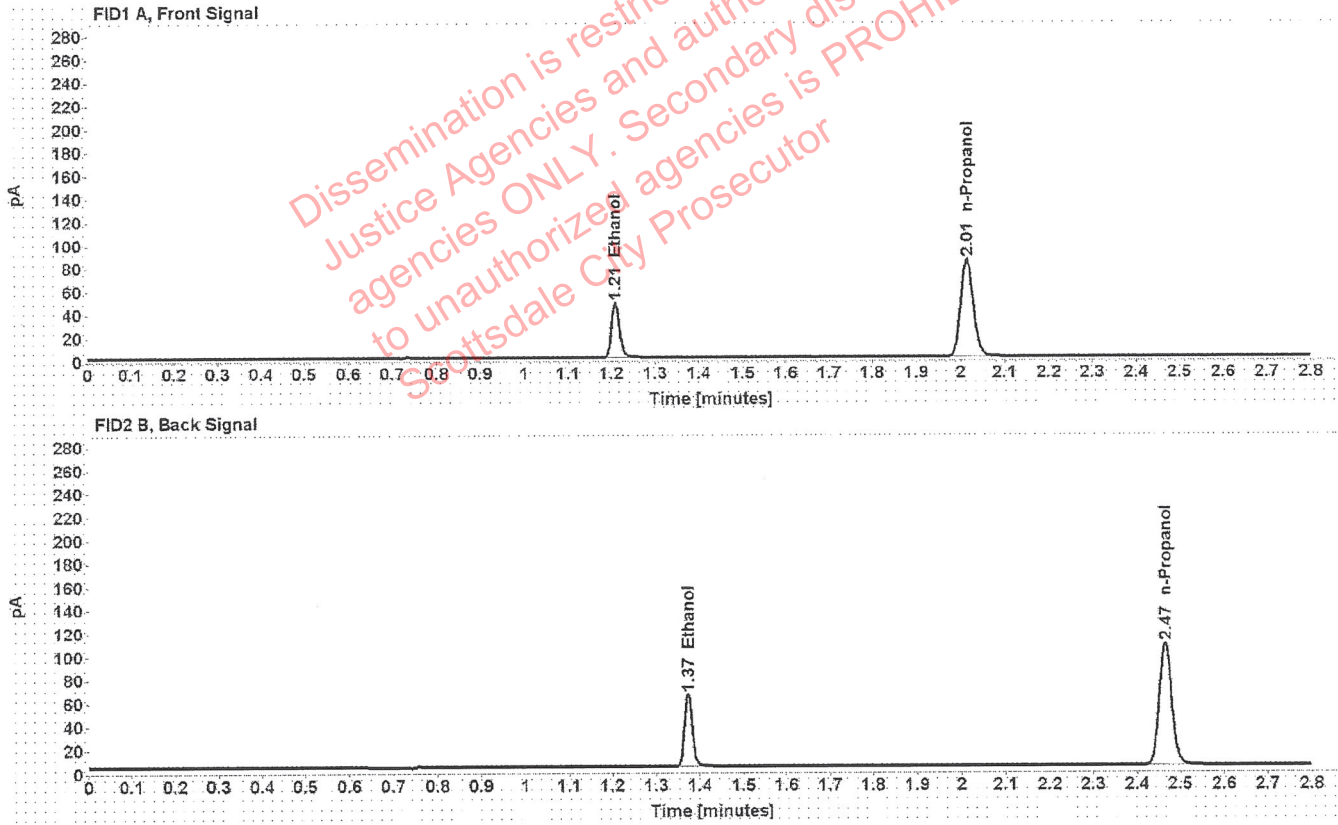


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

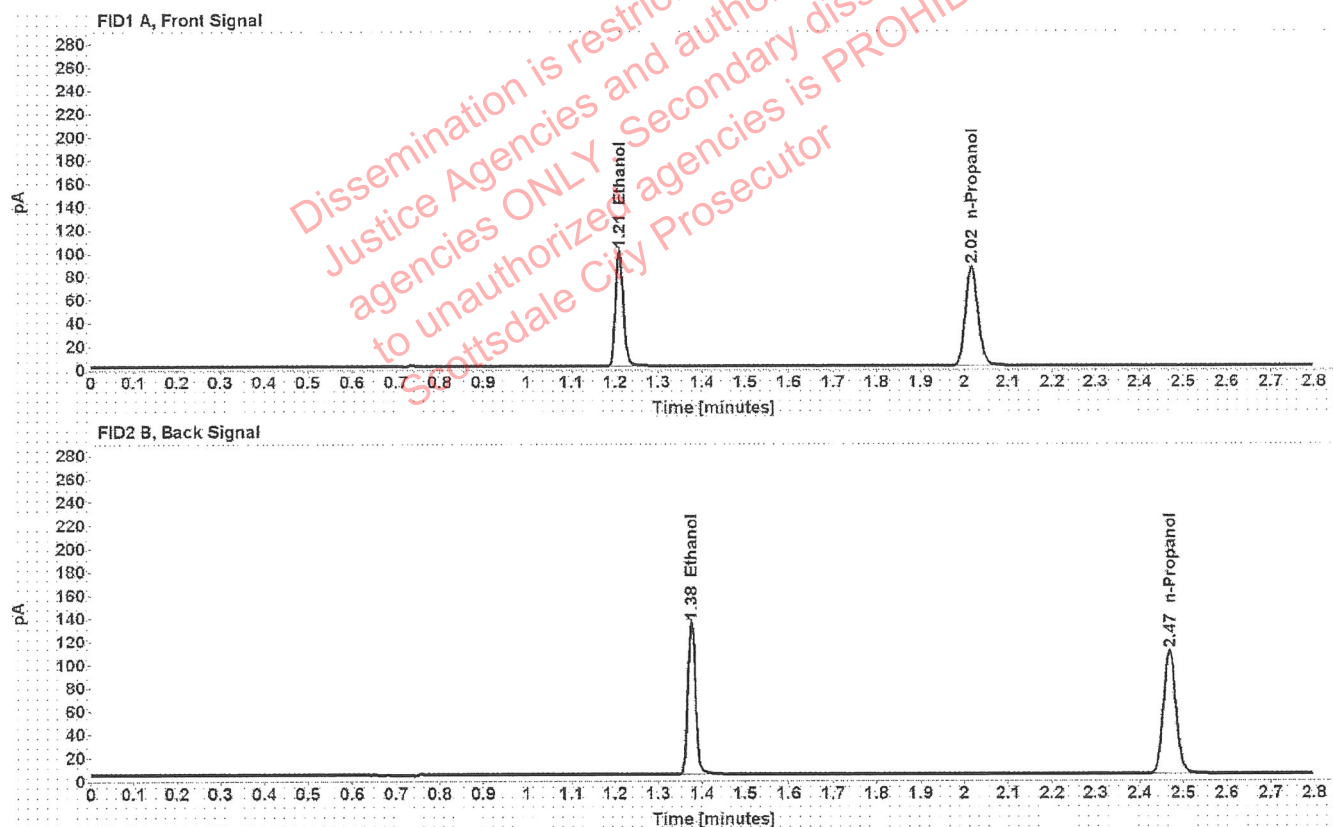


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

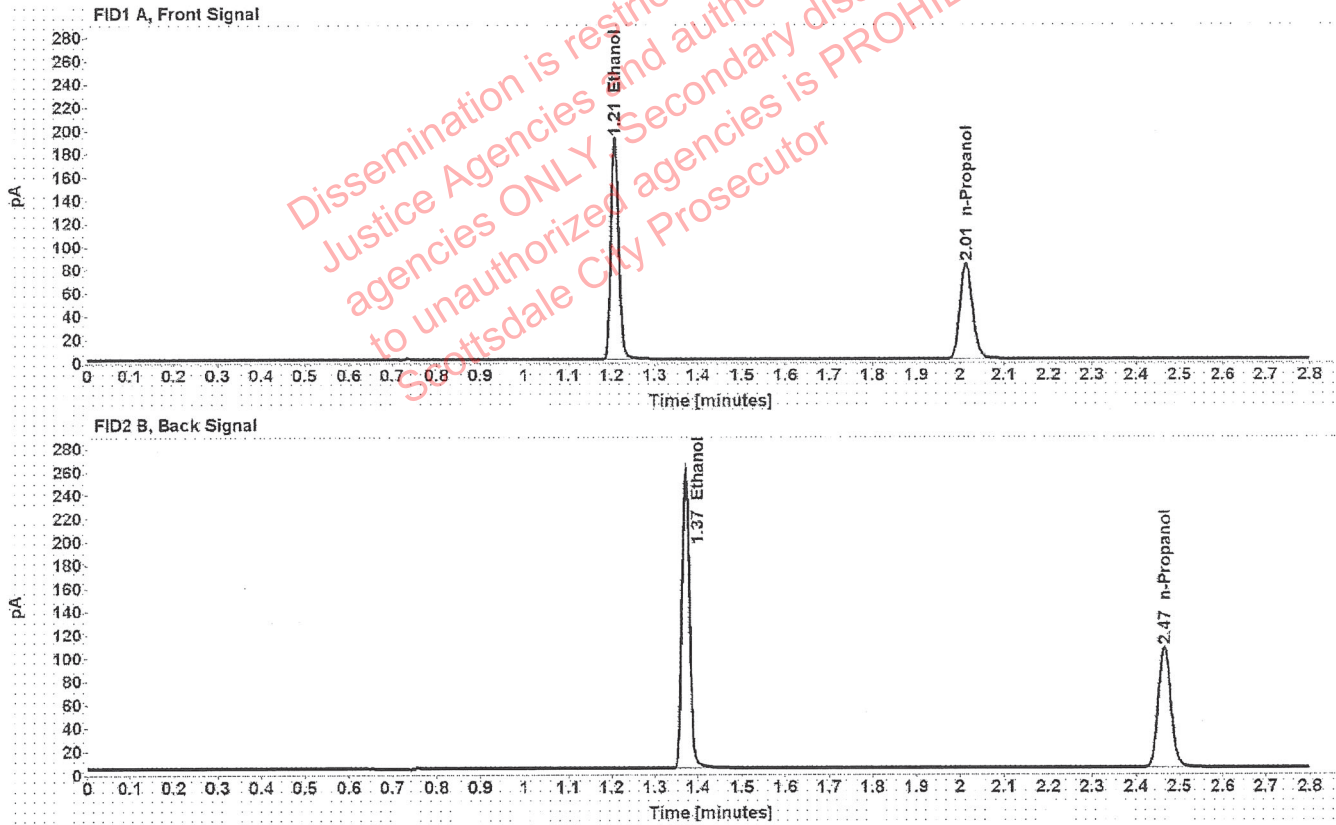


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 040720AQ	Vial: 5
Description: Negative	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 12:08:28 PM
Data file: C:\Chem32\1\Data\15Jul20\5.D	Analyst: Brooke 715

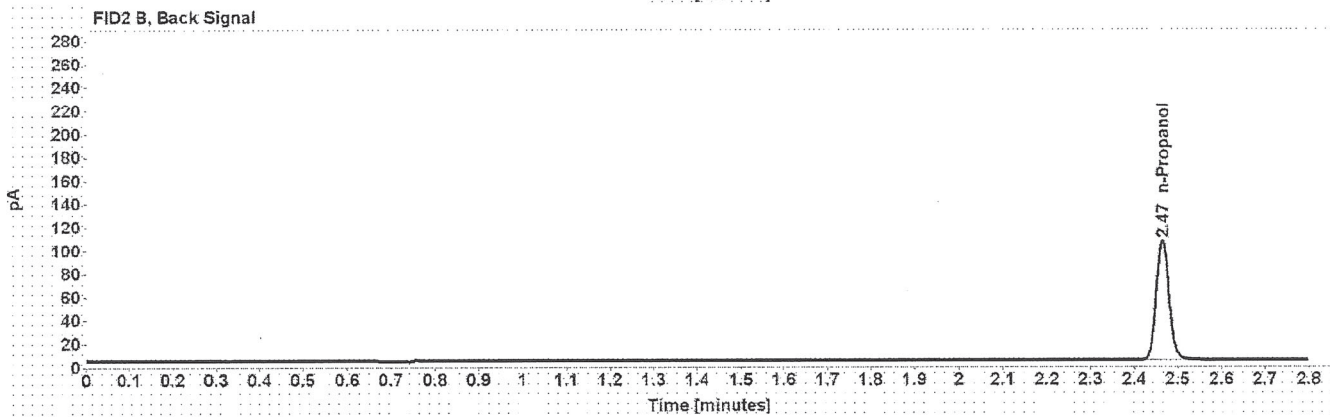


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

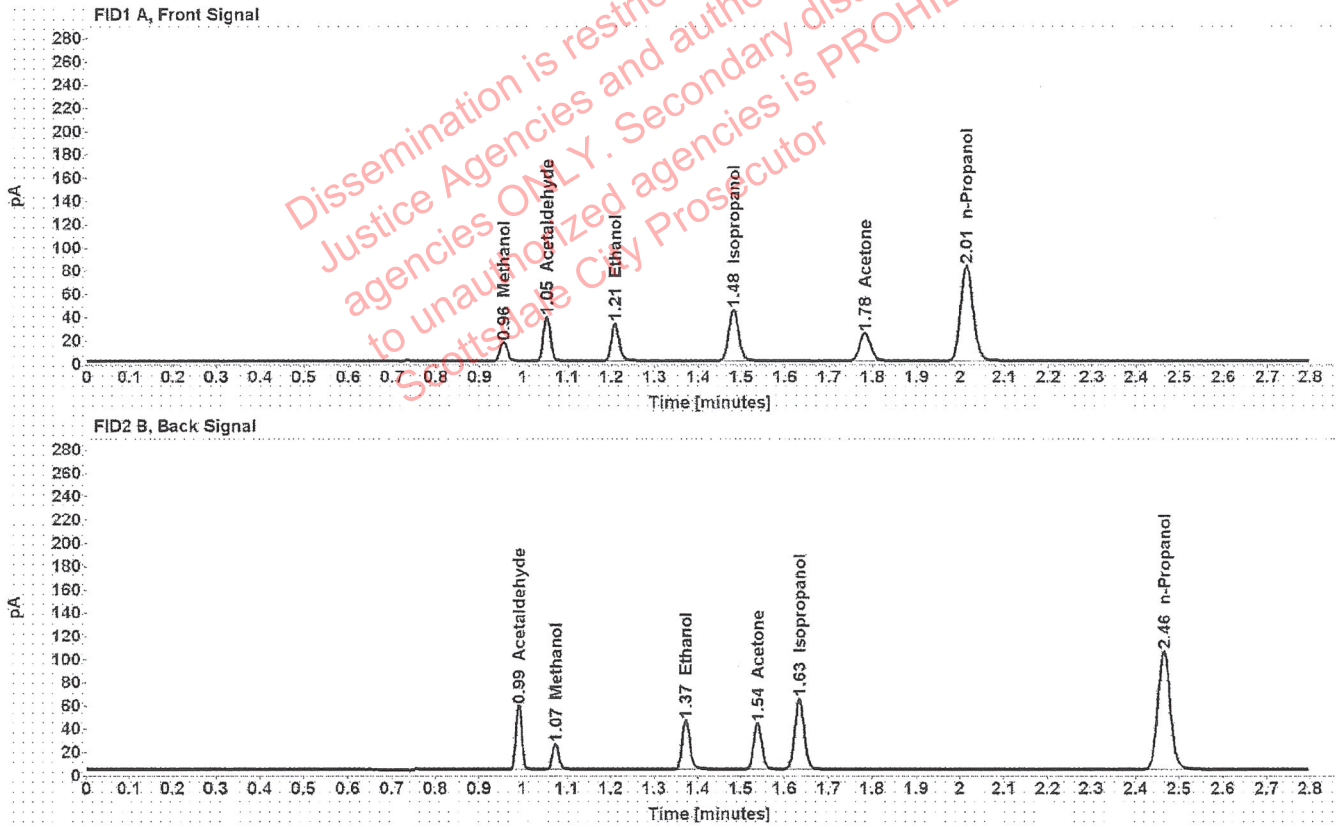


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

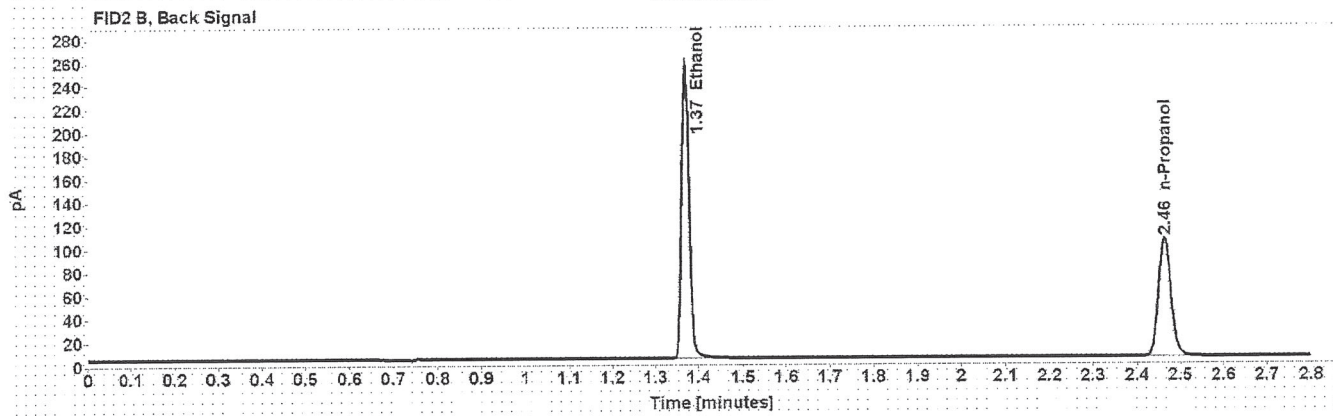
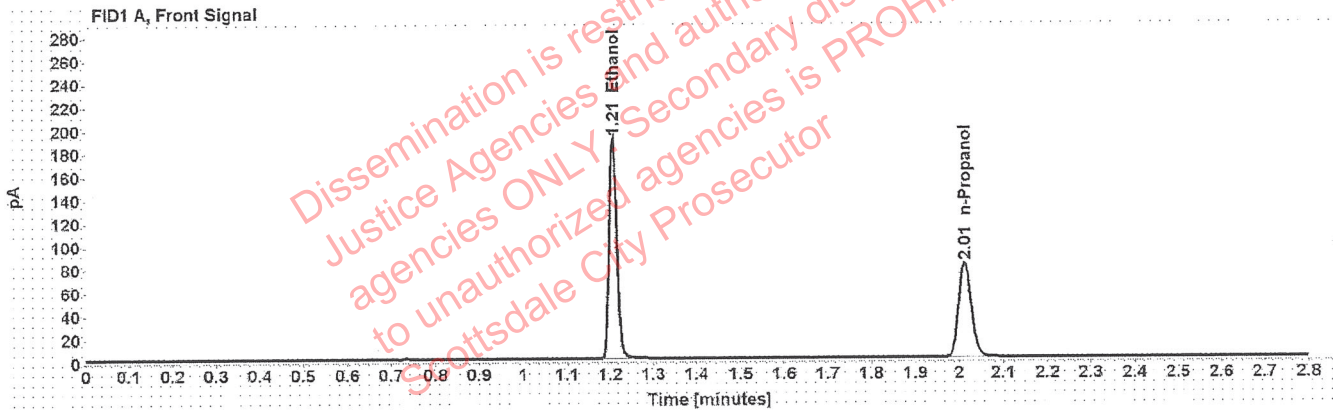


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

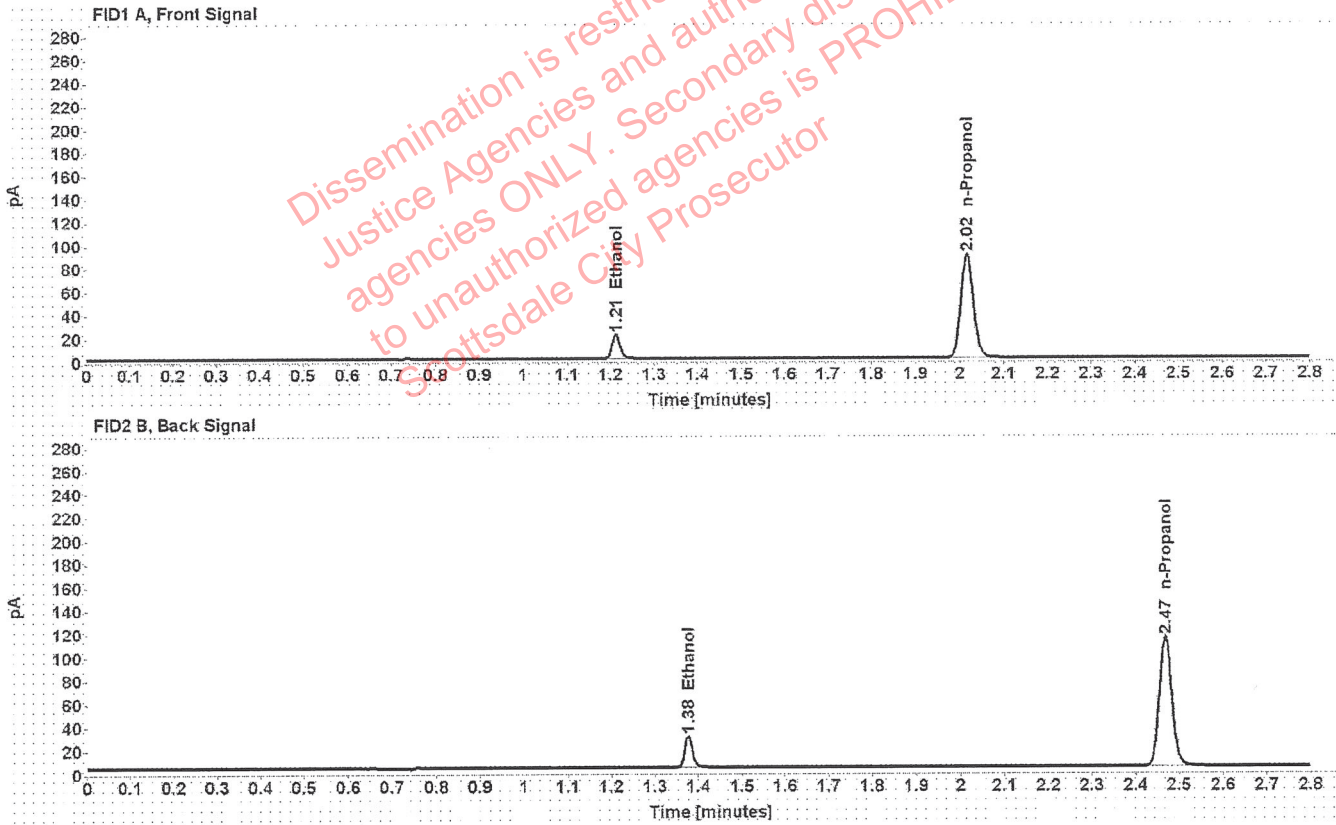


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

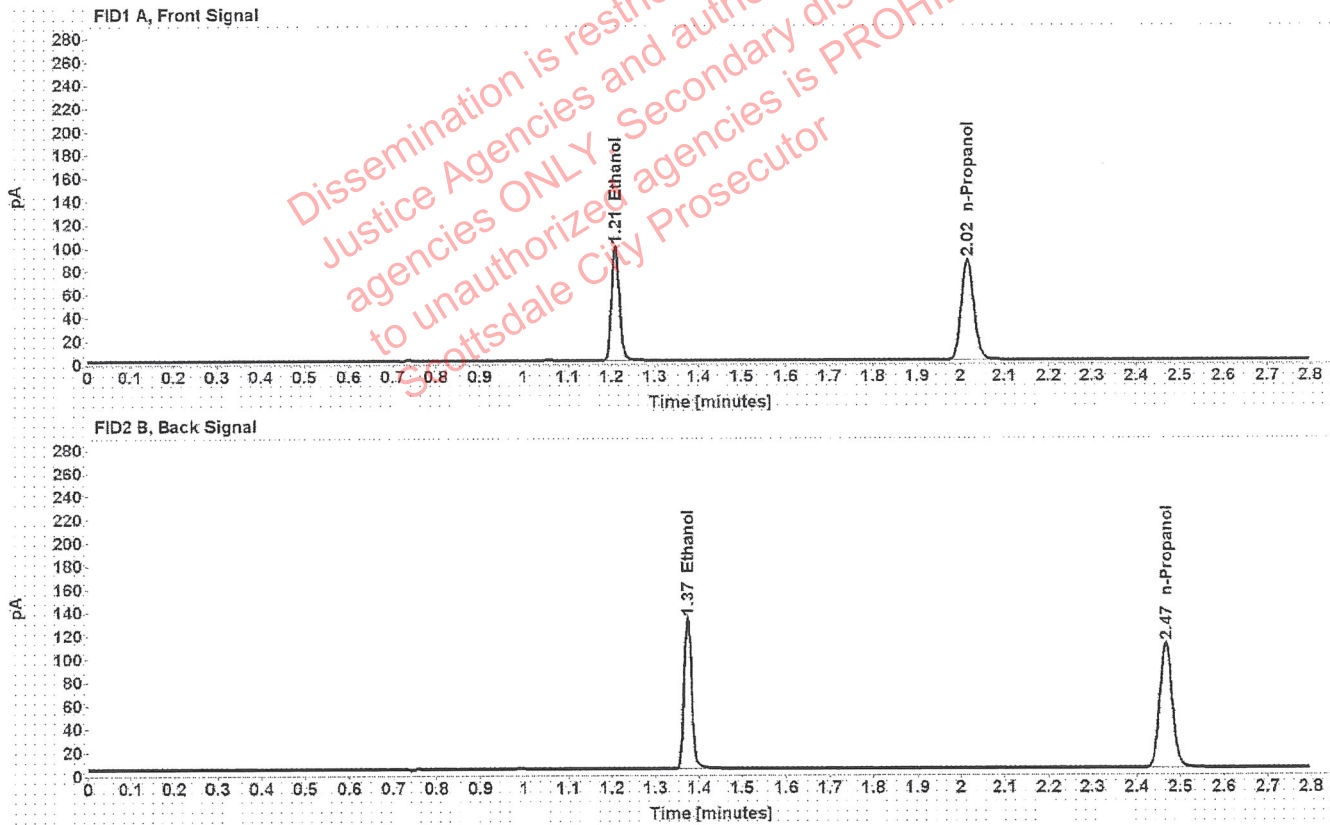


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

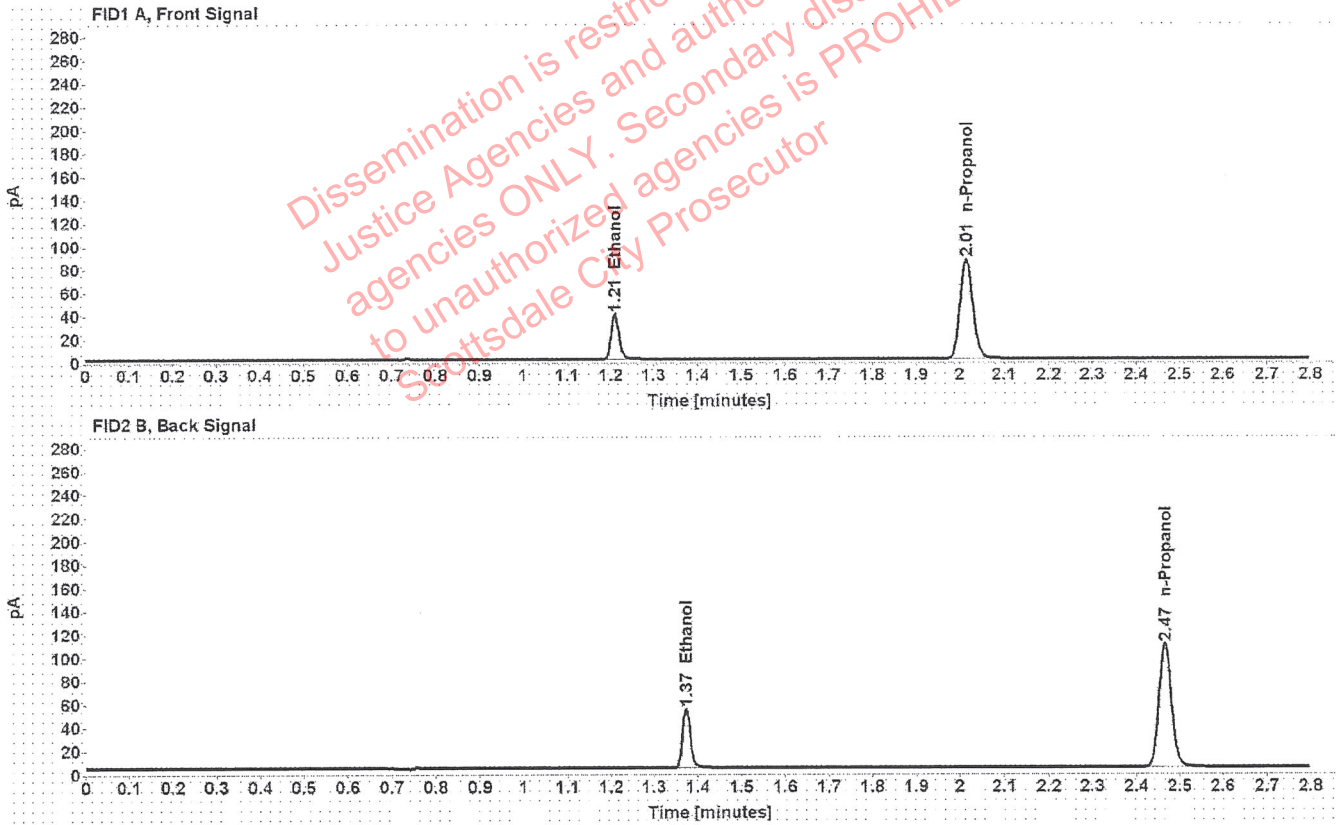


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

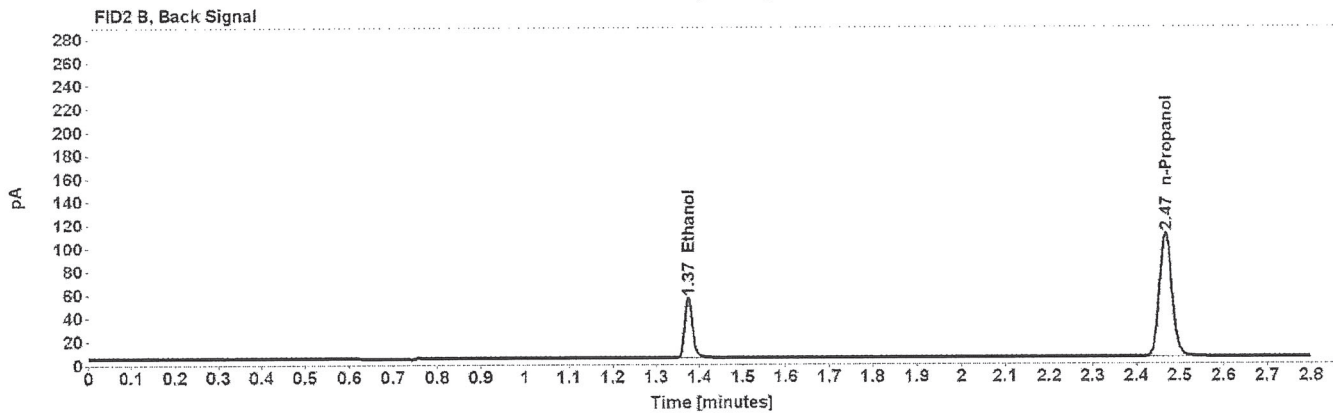
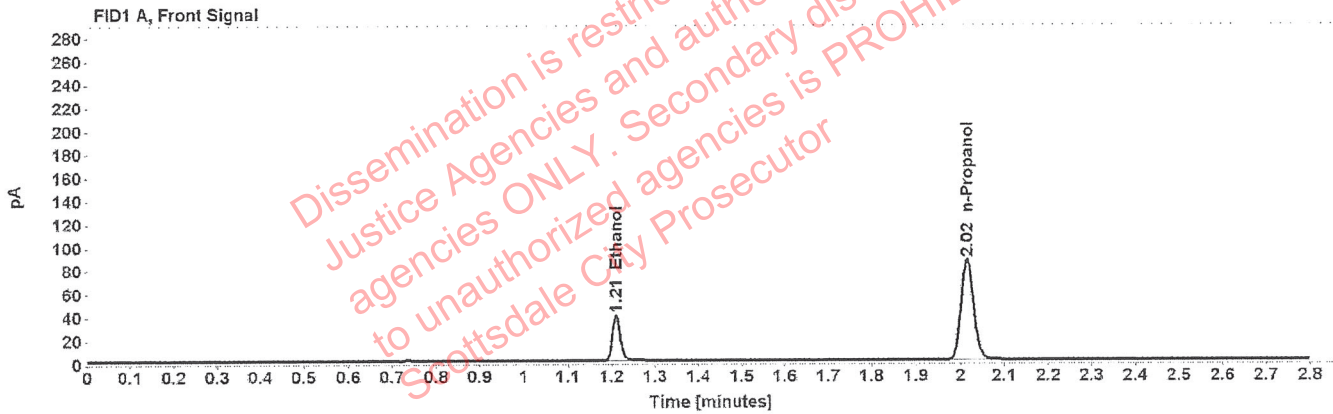


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

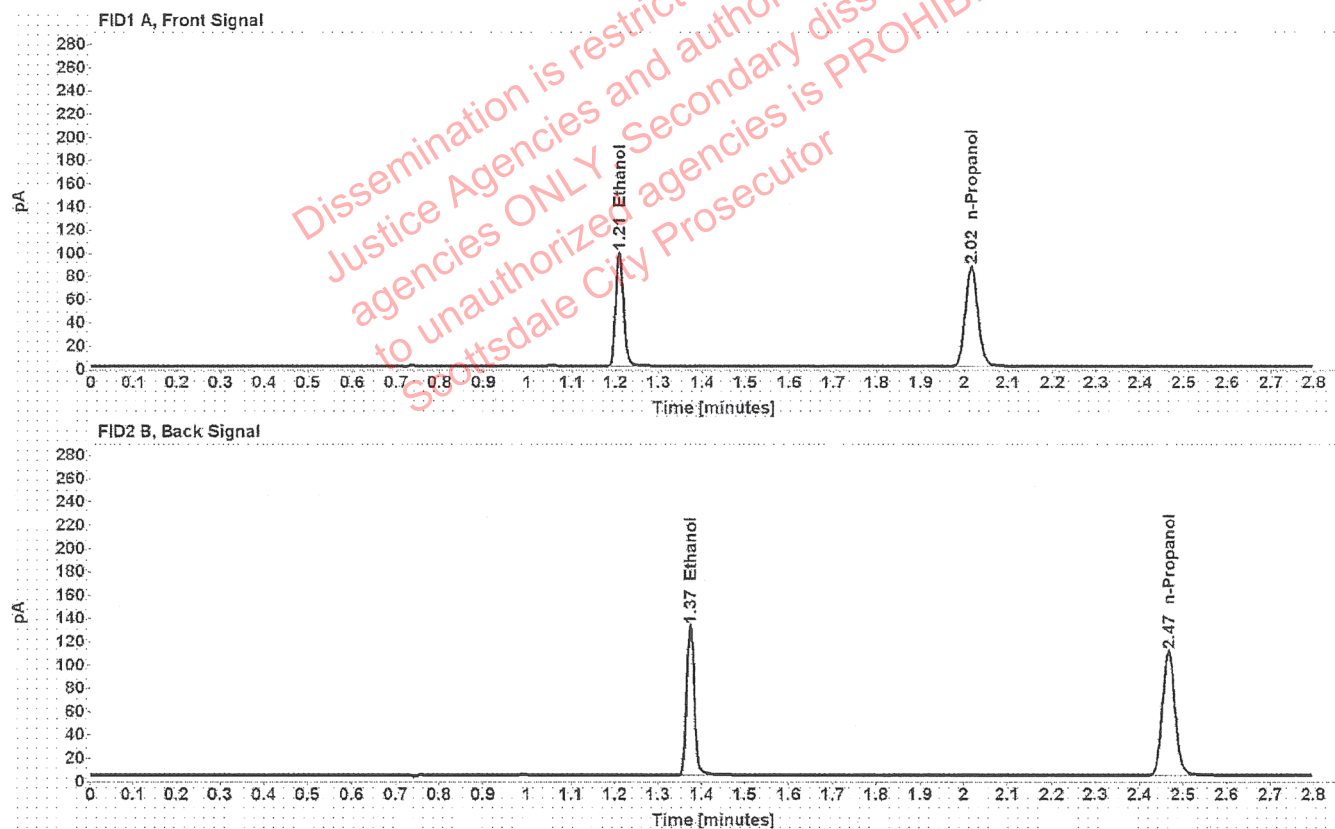


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

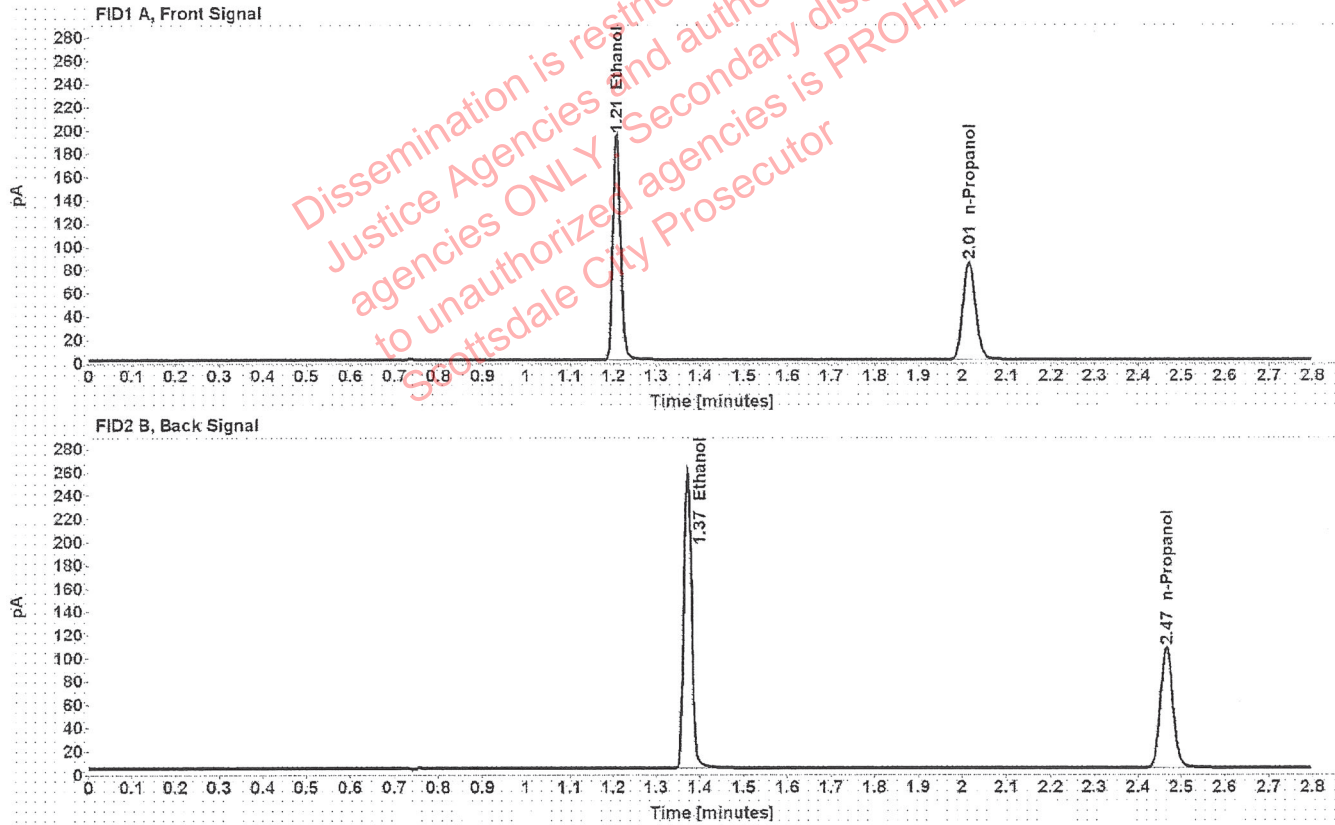


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample: 14082019-B	Vial: 46
Description: 0.040	LIMS ID:
Method: ethanol quant.M	Sequence: 15Jul20
Instrument: US14173023 CN14160045	Injection date: 7/15/2020 2:54:13 PM
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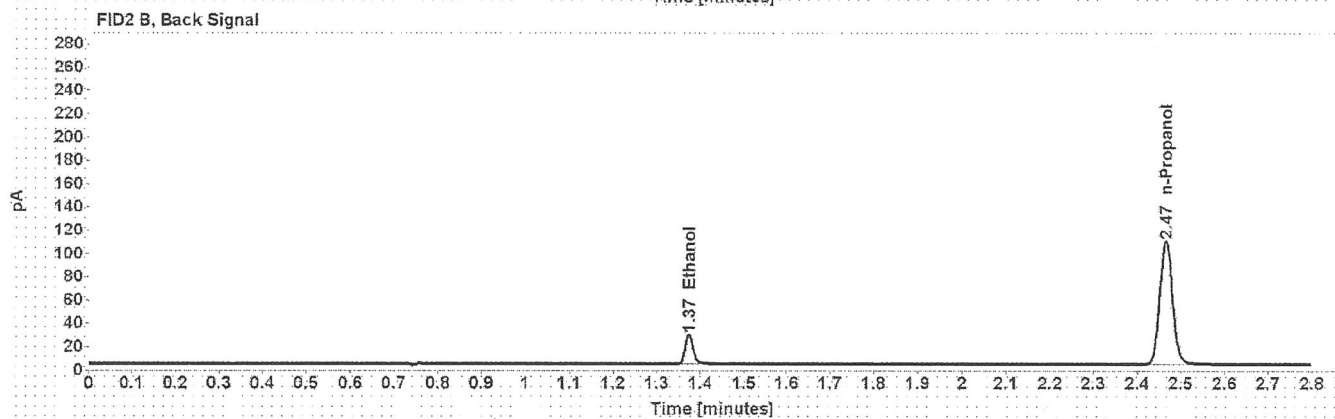
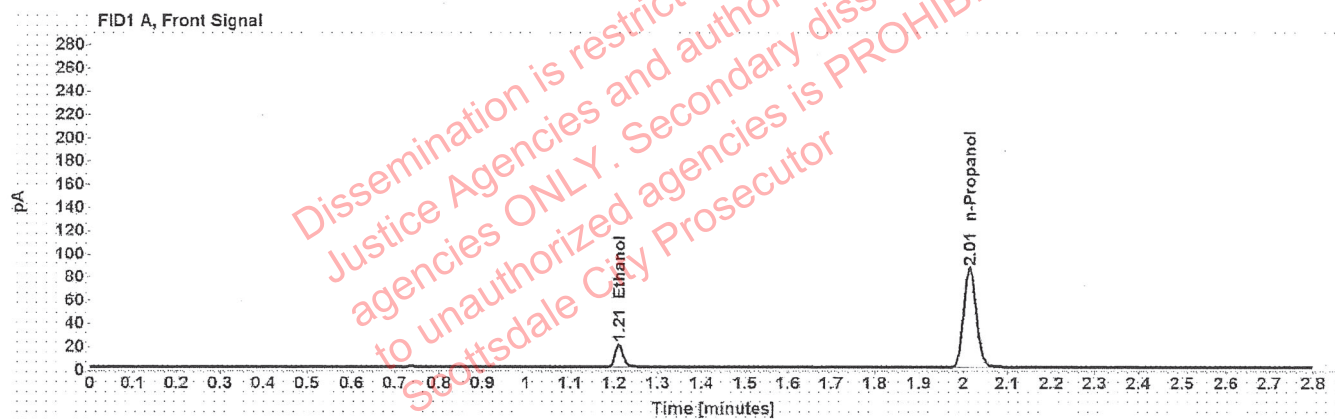


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

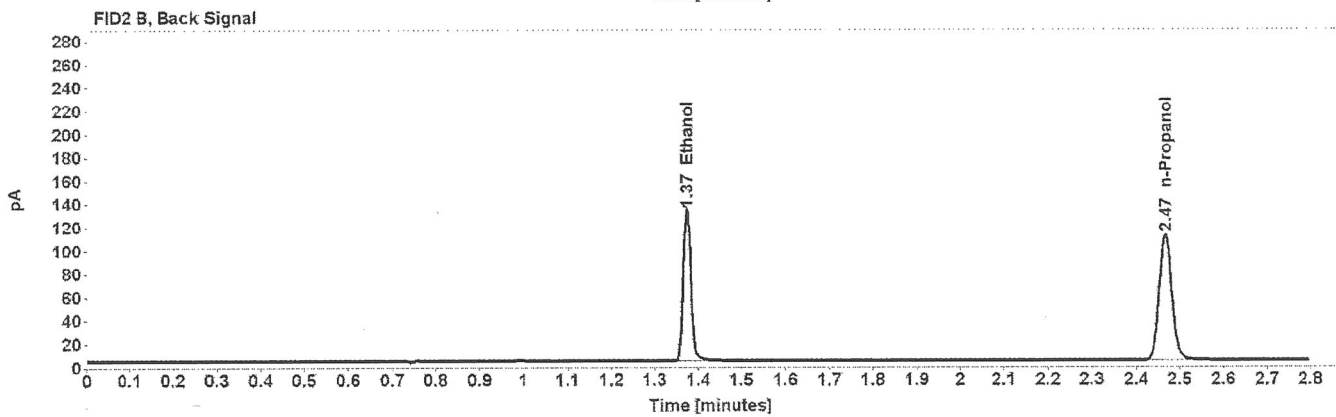
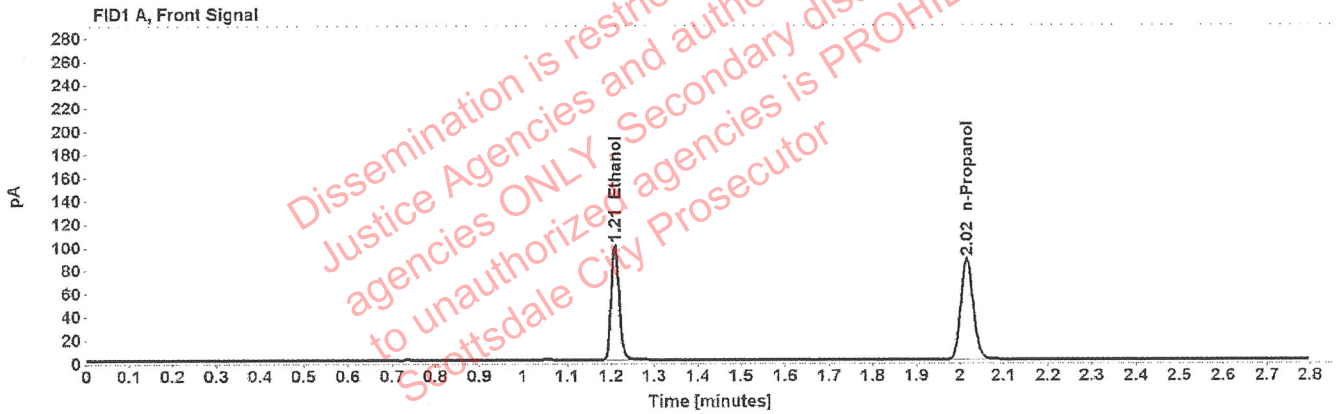


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

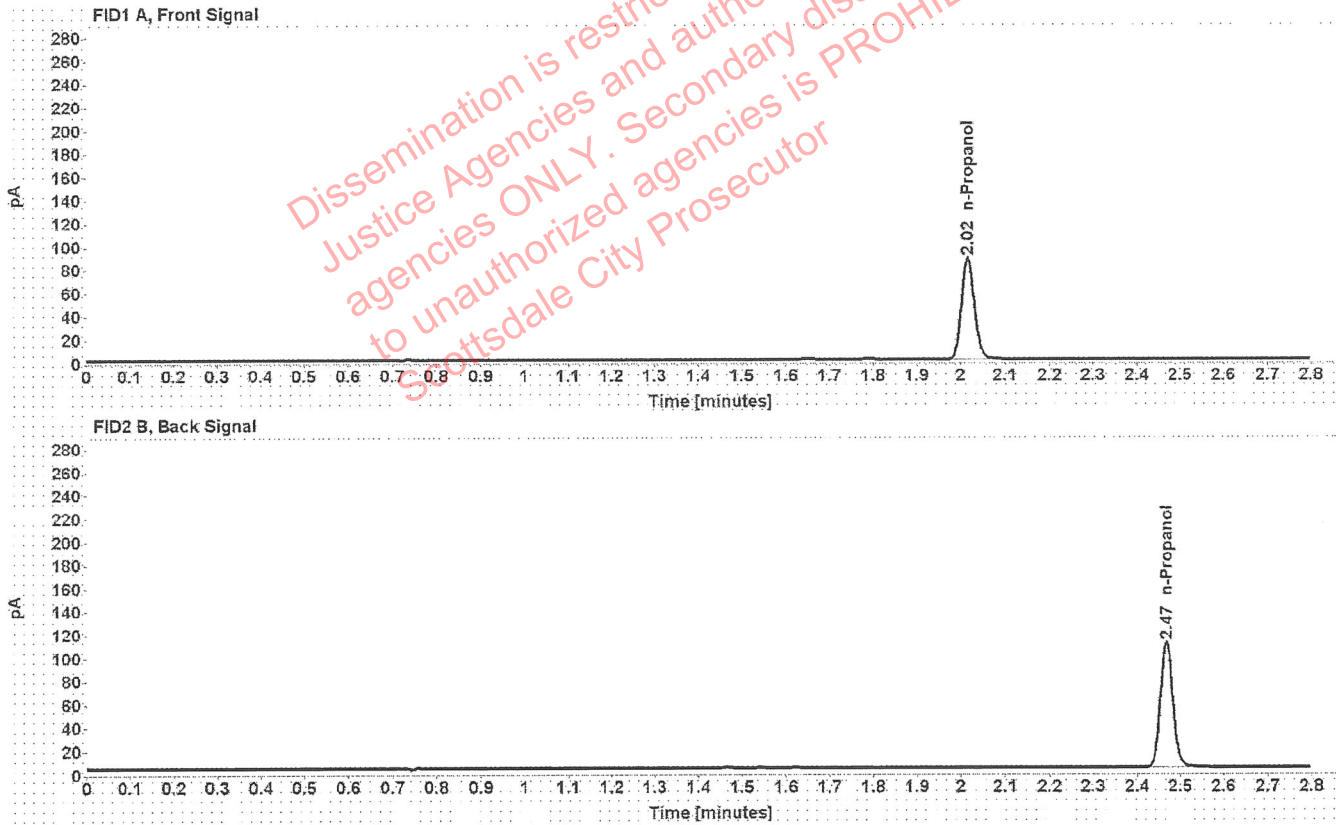


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Sequence Summary

FB

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

Vial	Sample	Description	Type	LIMS ID	Method
1	FN03241604	0.020 calibrator	Calibration		ethanol quant.M
2	FN02271802	0.100 calibrator	Calibration		ethanol quant.M
3	FN06231704	0.200 calibrator	Calibration		ethanol quant.M
4	FN05131606	0.400 calibrator	Calibration		ethanol quant.M
5	040720AQ	Negative	Control		ethanol quant.M
6	070819MIX	Volatiles mix	Control		ethanol quant.M
7	11092018-A	0.400	Control		ethanol quant.M
8	14082019-B	0.040	Control		ethanol quant.M
9	407041529/13	0.198	Control		ethanol quant.M
10	1323650		Sample		ethanol quant.M
11	1323650		Sample		ethanol quant.M
12	1327725		Sample		ethanol quant.M
13	1327725		Sample		ethanol quant.M
14	1326682		Sample		ethanol quant.M
15	1326682		Sample		ethanol quant.M
16	1328189		Sample		ethanol quant.M
17	1328189		Sample		ethanol quant.M
18	1325142		Sample		ethanol quant.M
19	1325142		Sample		ethanol quant.M
20	03102016-A/1	0.080	Control		ethanol quant.M
21	1294097		Sample		ethanol quant.M
22	1294097		Sample		ethanol quant.M
23	1322048		Sample		ethanol quant.M
24	1322048		Sample		ethanol quant.M
25	1329049		Sample		ethanol quant.M
26	1329049		Sample		ethanol quant.M
27	1327737		Sample		ethanol quant.M
28	1327737		Sample		ethanol quant.M
29	1323976		Sample		ethanol quant.M
30	1323976		Sample		ethanol quant.M
31	03102016-A/1	0.080	Control		ethanol quant.M
32	1328506		Sample		ethanol quant.M
33	1328506		Sample		ethanol quant.M
34	1328948		Sample		ethanol quant.M
35	1328948		Sample		ethanol quant.M
36	1302142		Sample		ethanol quant.M
37	1302142		Sample		ethanol quant.M
38	1288573		Sample		ethanol quant.M
39	1288573		Sample		ethanol quant.M
40	1329163		Sample		ethanol quant.M
41	1329163		Sample		ethanol quant.M
42	407041529/13	0.198	Control		ethanol quant.M
43	FN06141806	Cerilliant, 0.020	Sample	validation	ethanol quant.M
44	FN06141806	Cerilliant, 0.020	Sample	validation	ethanol quant.M
45	11092018-A	0.400	Control		ethanol quant.M
46	14082019-B	0.040	Control		ethanol quant.M
47	407041529/13	0.198	Control		ethanol quant.M

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

Sequence Summary

PS

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

Scottsdale Police Department Crime Laboratory Summary of Cases

18

SEQUENCE NAME: 15Jul20

ANALYST: Brooke

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

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

Scottsdale Forensic Lab Blood Alcohol Pipetting Log

ANALYST: Brooke *BB*

SEQUENCE: 15Jul20

Instrument Position	Headspace Vial 1	Headspace Vial 2	Blood Tube	Barcode Match
Vials 10 and 11	1323650	1323650	1323650	Yes
Vials 12 and 13	1327725	1327725	1327725	Yes
Vials 14 and 15	1326682	1326682	1326682	Yes
Vials 16 and 17	1328189	1328189	1328189	Yes
Vials 18 and 19	1325142	1325142	1325142	Yes
Vials 21 and 22	1294097	1294097	1294097	Yes
Vials 23 and 24	1322048	1322048	1322048	Yes
Vials 25 and 26	1329049	1329049	1329049	Yes
Vials 27 and 28	1327737	1327737	1327737	Yes
Vials 29 and 30	1323976	1323976	1323976	Yes
Vials 32 and 33	1328506	1328506	1328506	Yes
Vials 34 and 35	1328948	1328948	1328948	Yes
Vials 36 and 37	1302142	1302142	1302142	Yes
Vials 38 and 39	1288573	1288573	1288573	Yes
Vials 40 and 41	1329163	1329163	1329163	Yes

Scottsdale Police Department Crime Lab Volatiles Analysis

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

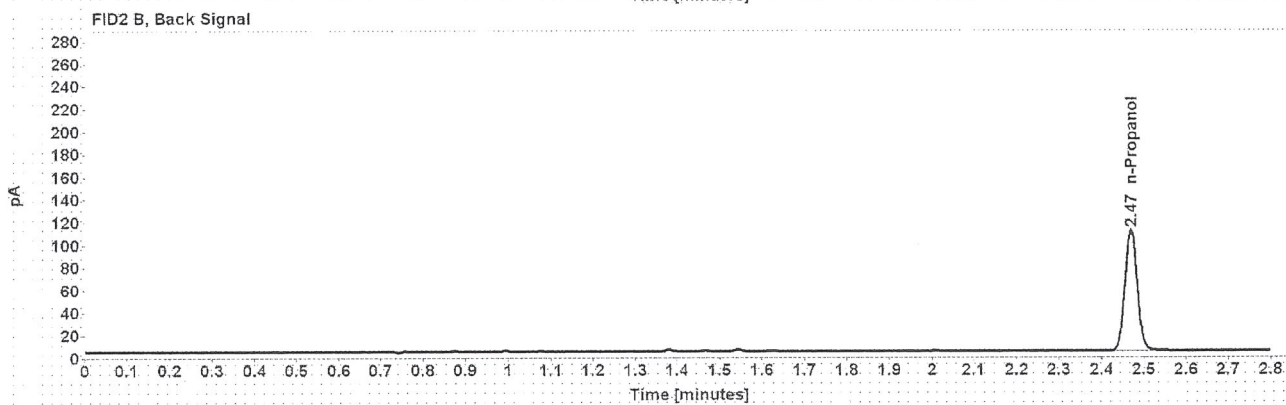


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

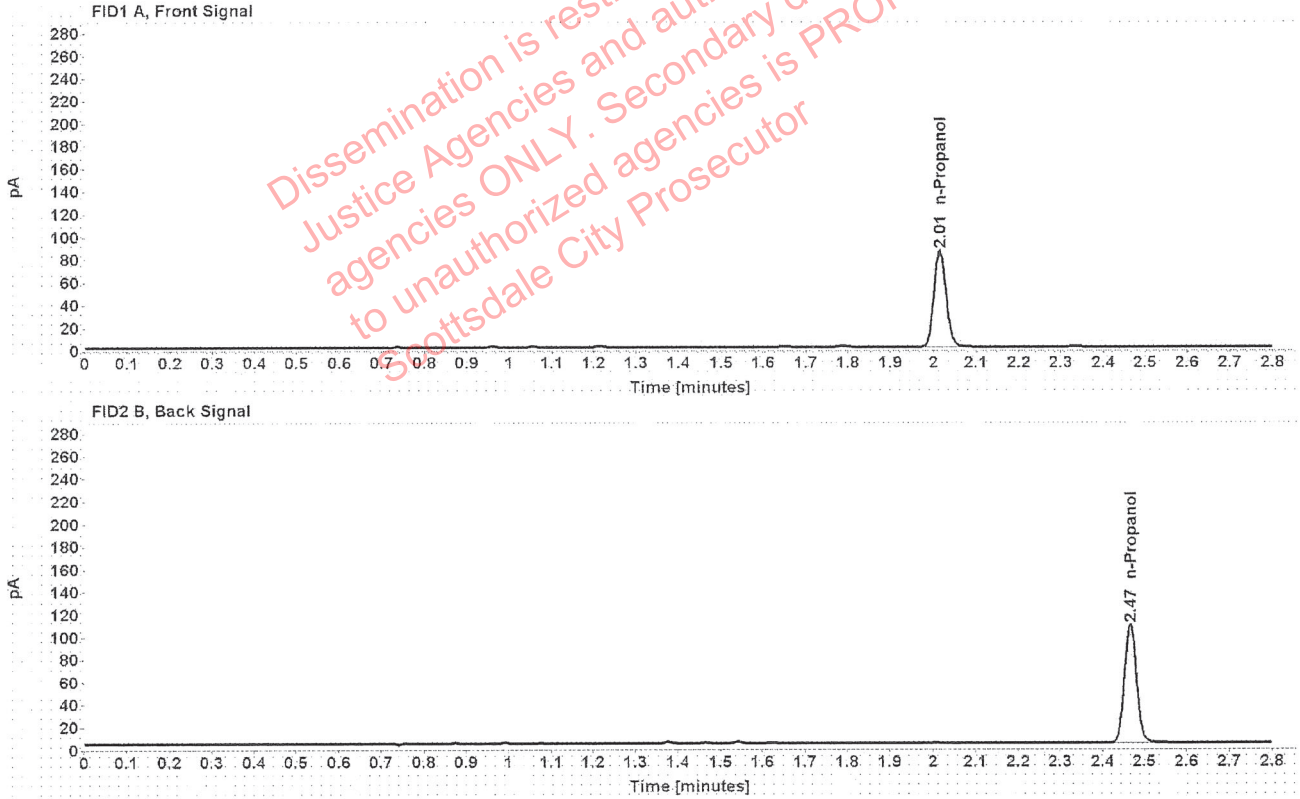


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

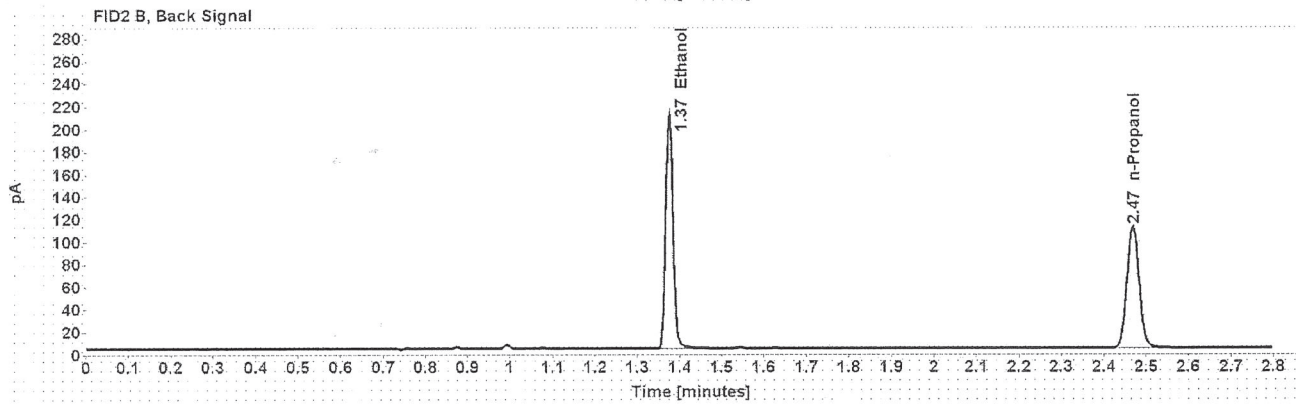
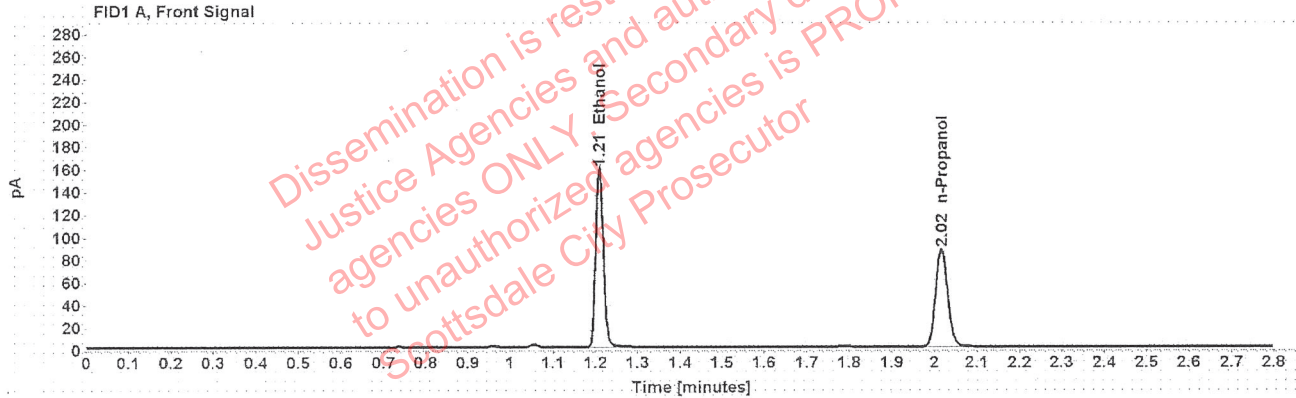


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327725	Vial:	13
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 12:40:58 PM
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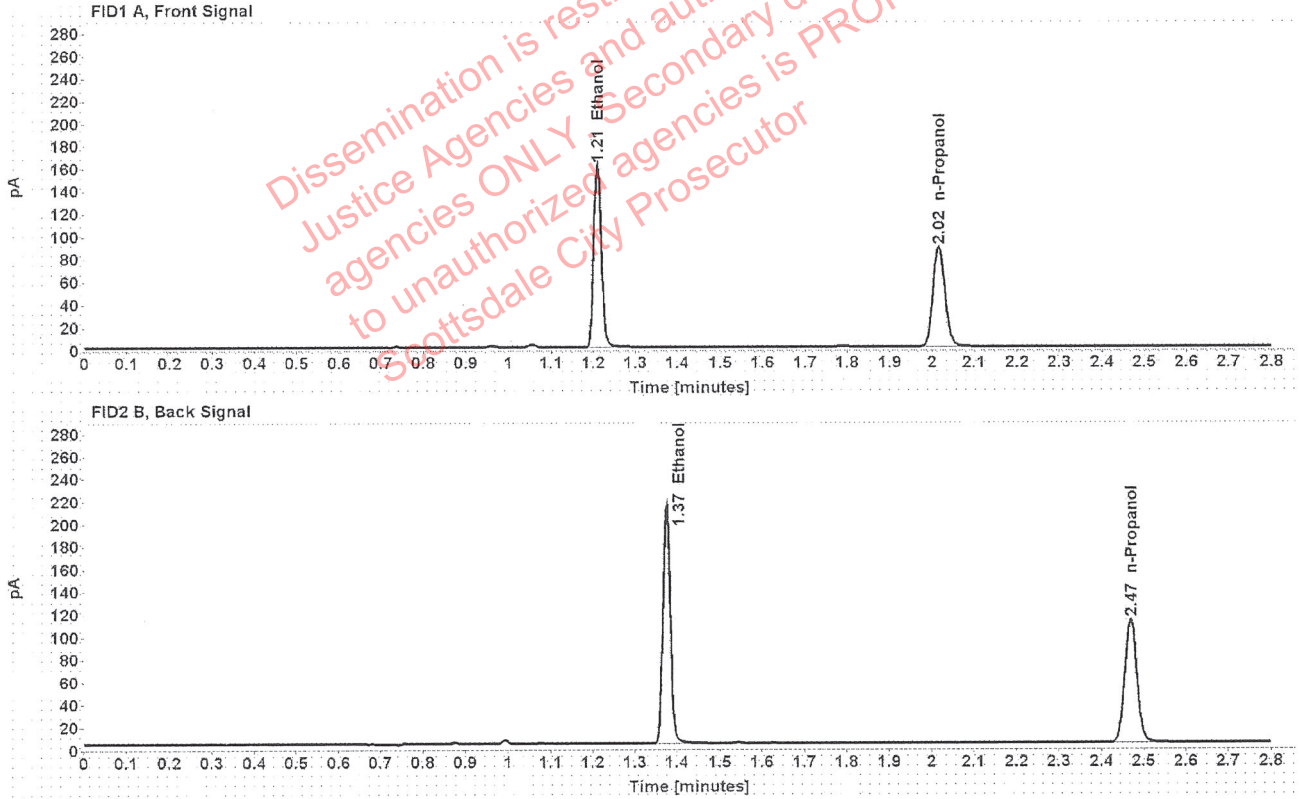


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

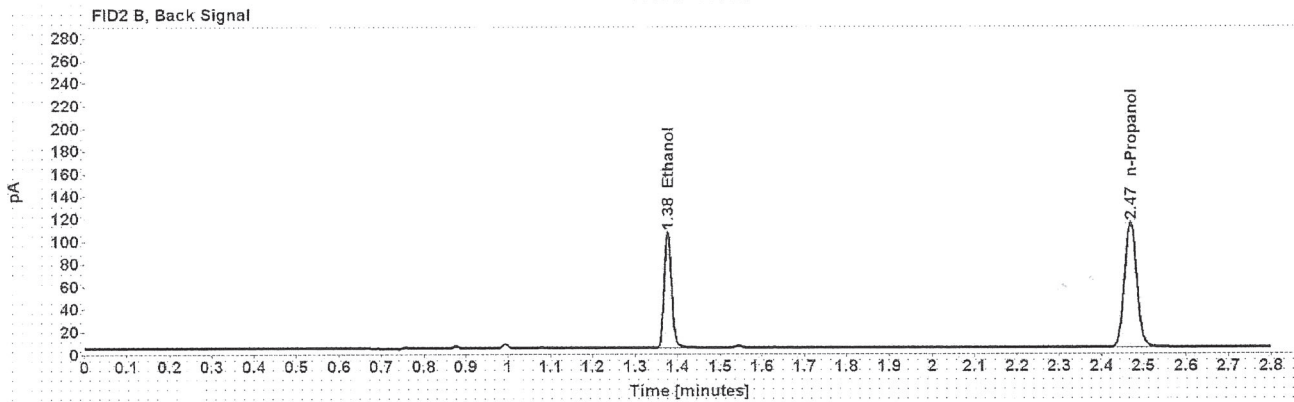
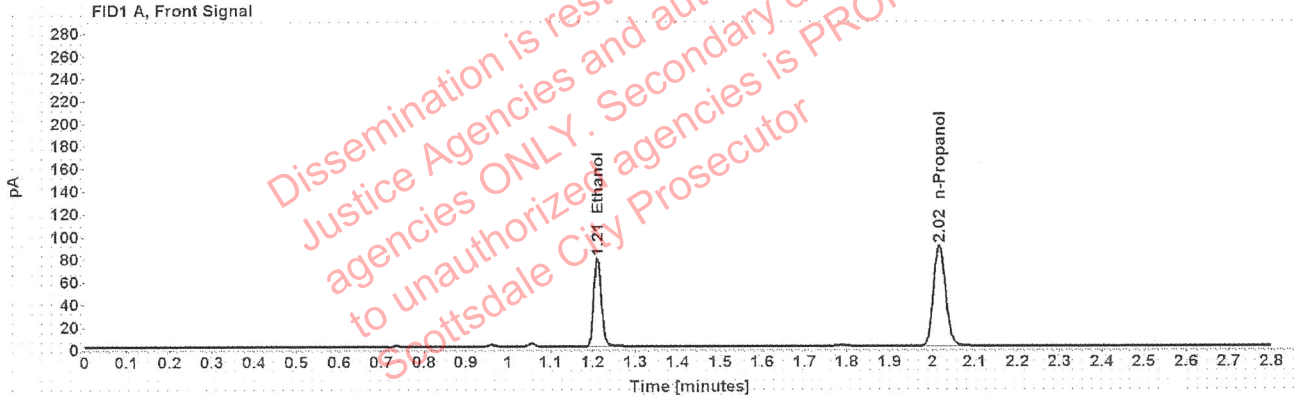


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

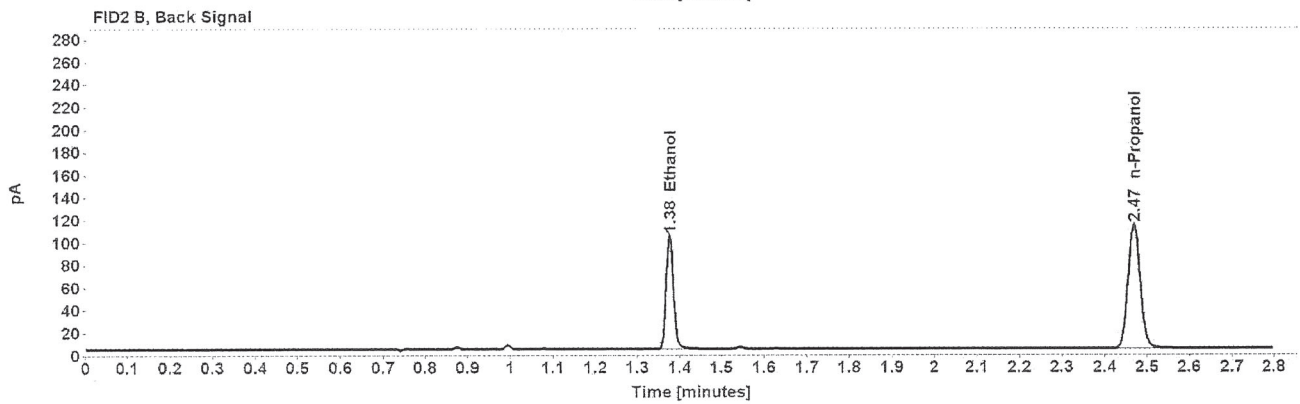
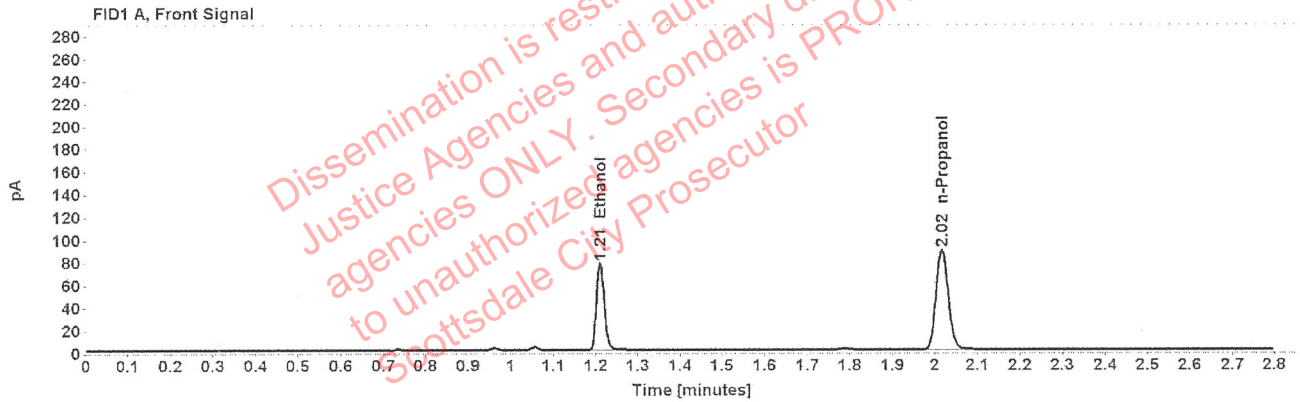


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

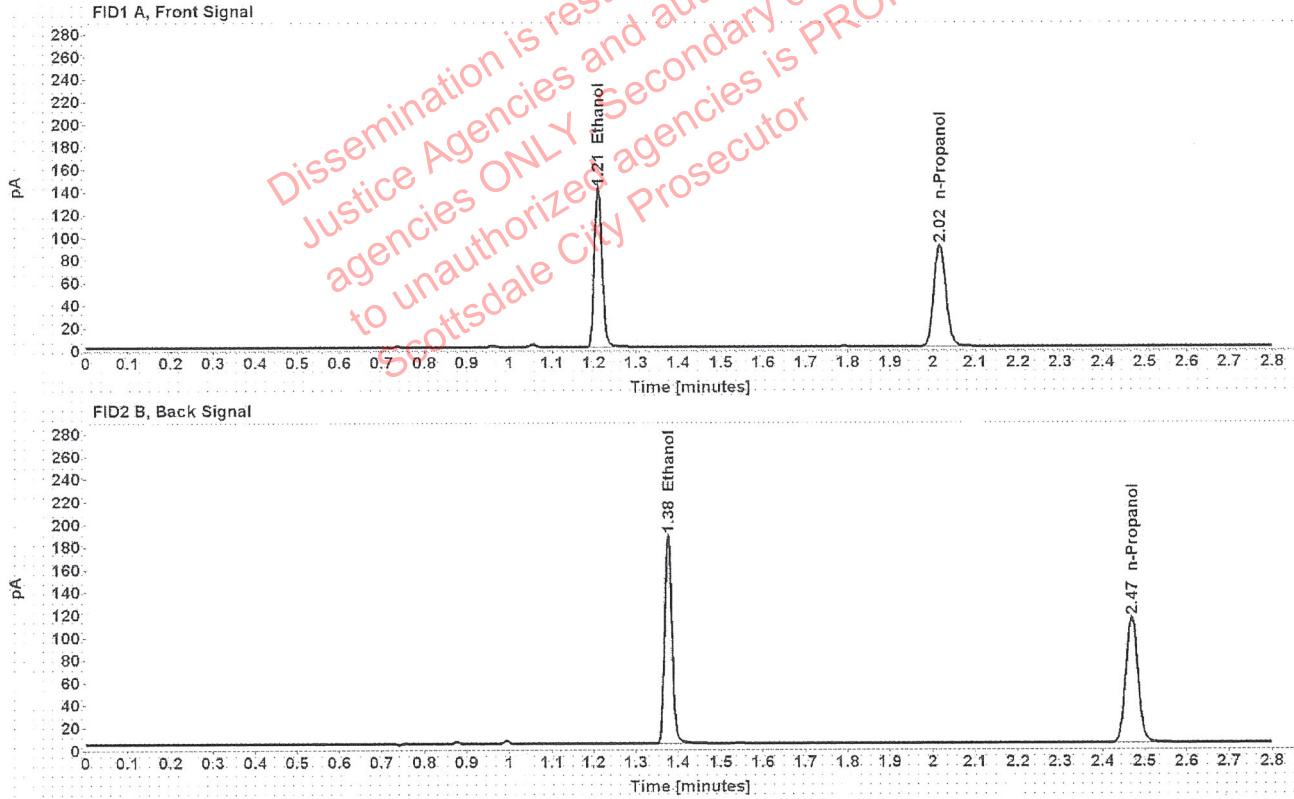


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

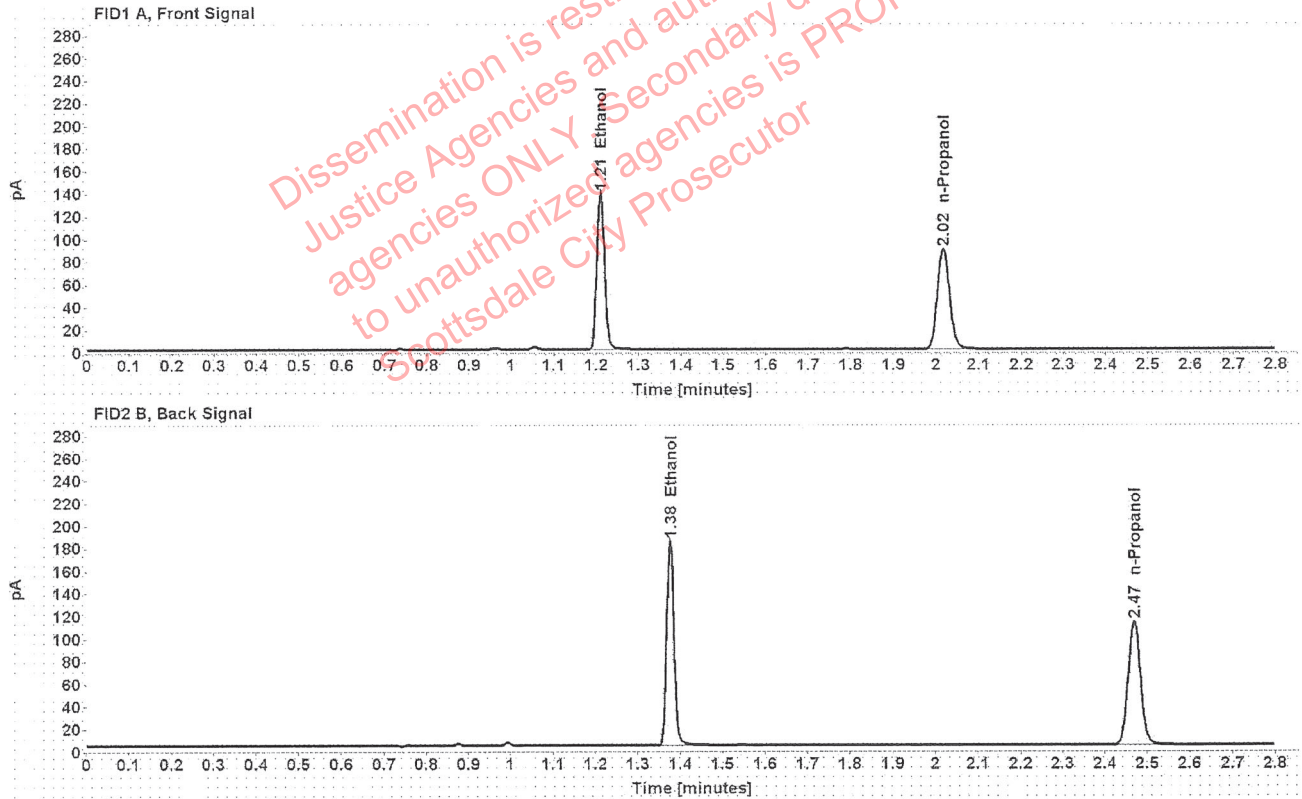


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

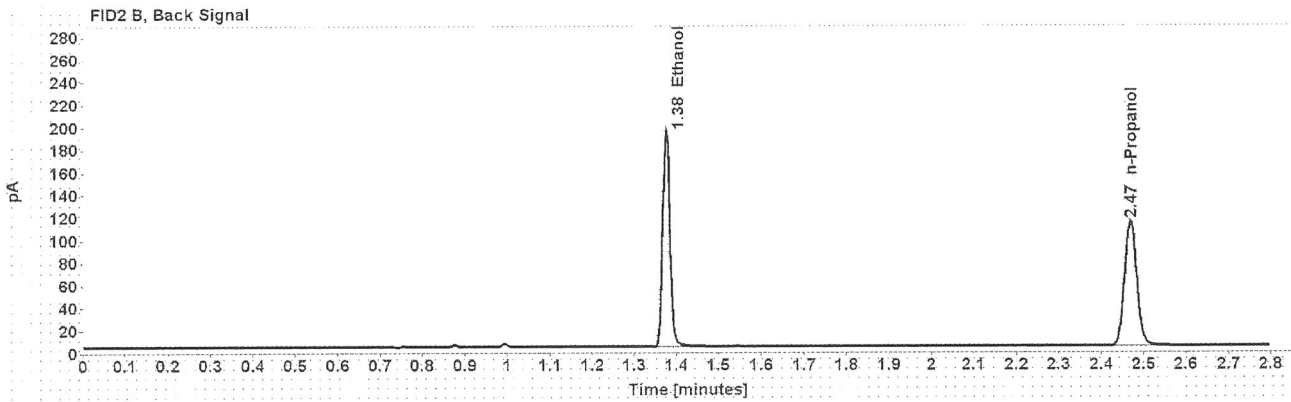
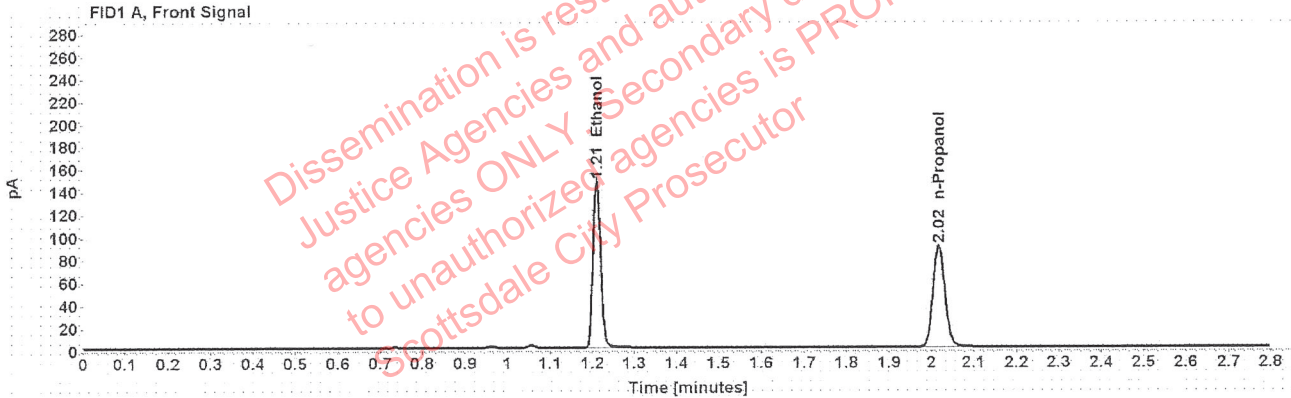


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

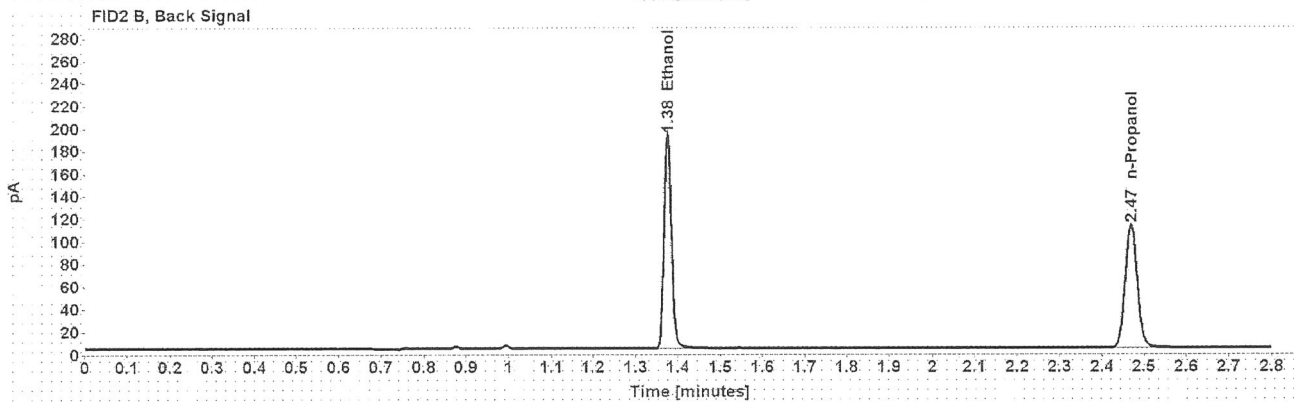
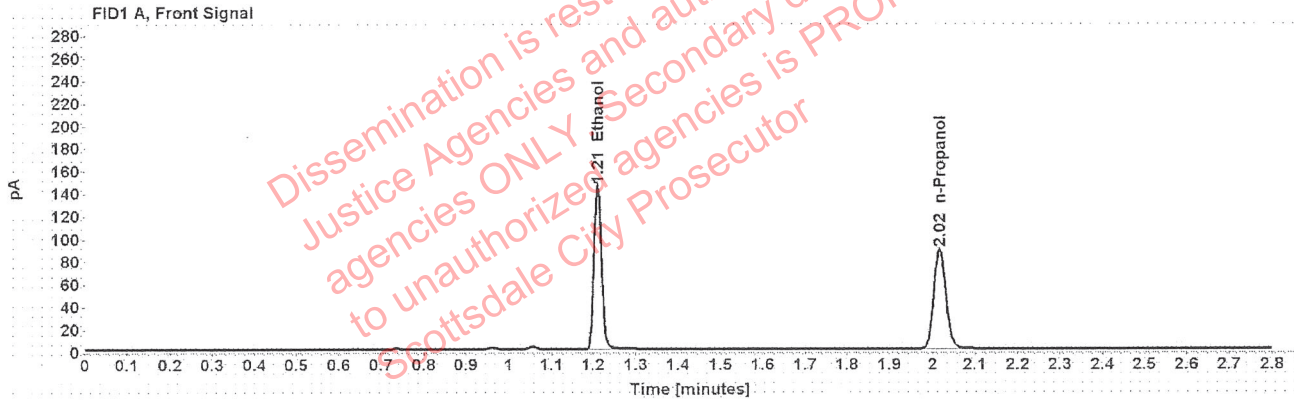


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

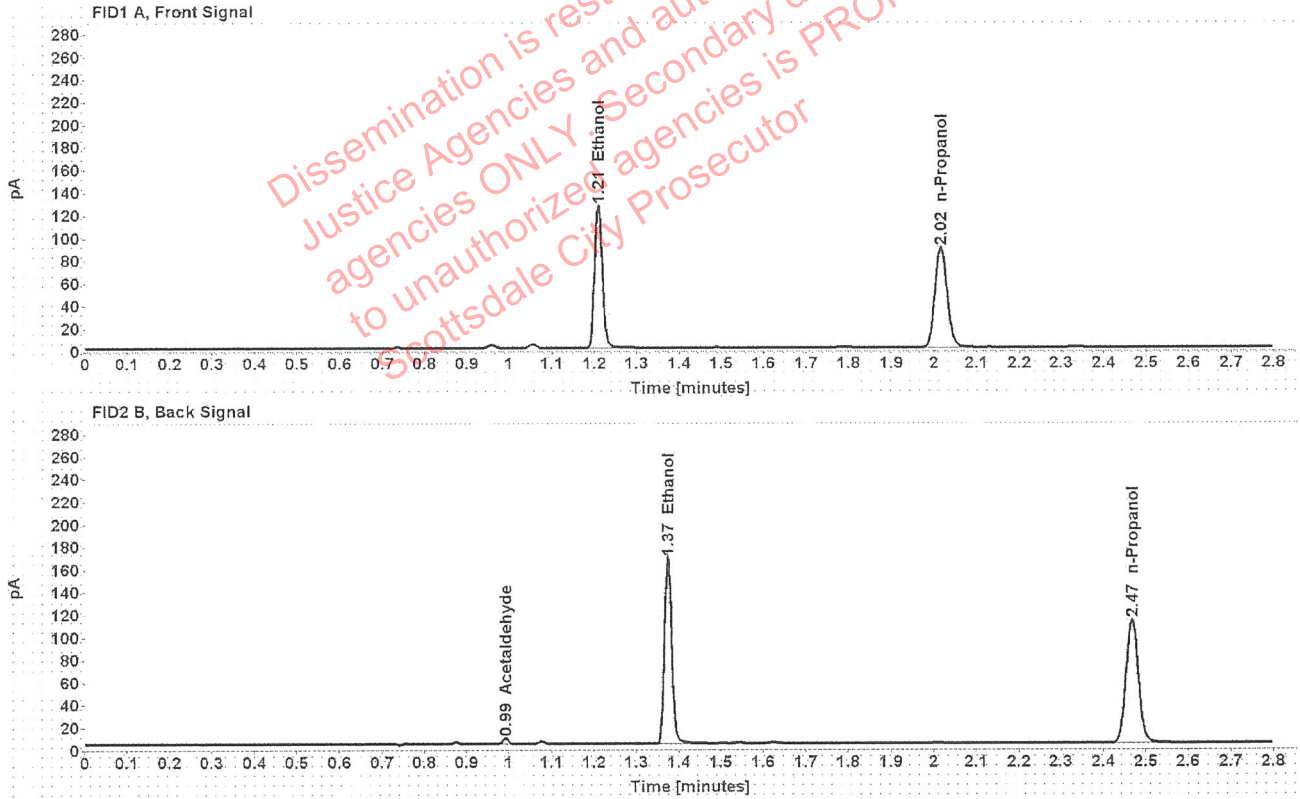


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

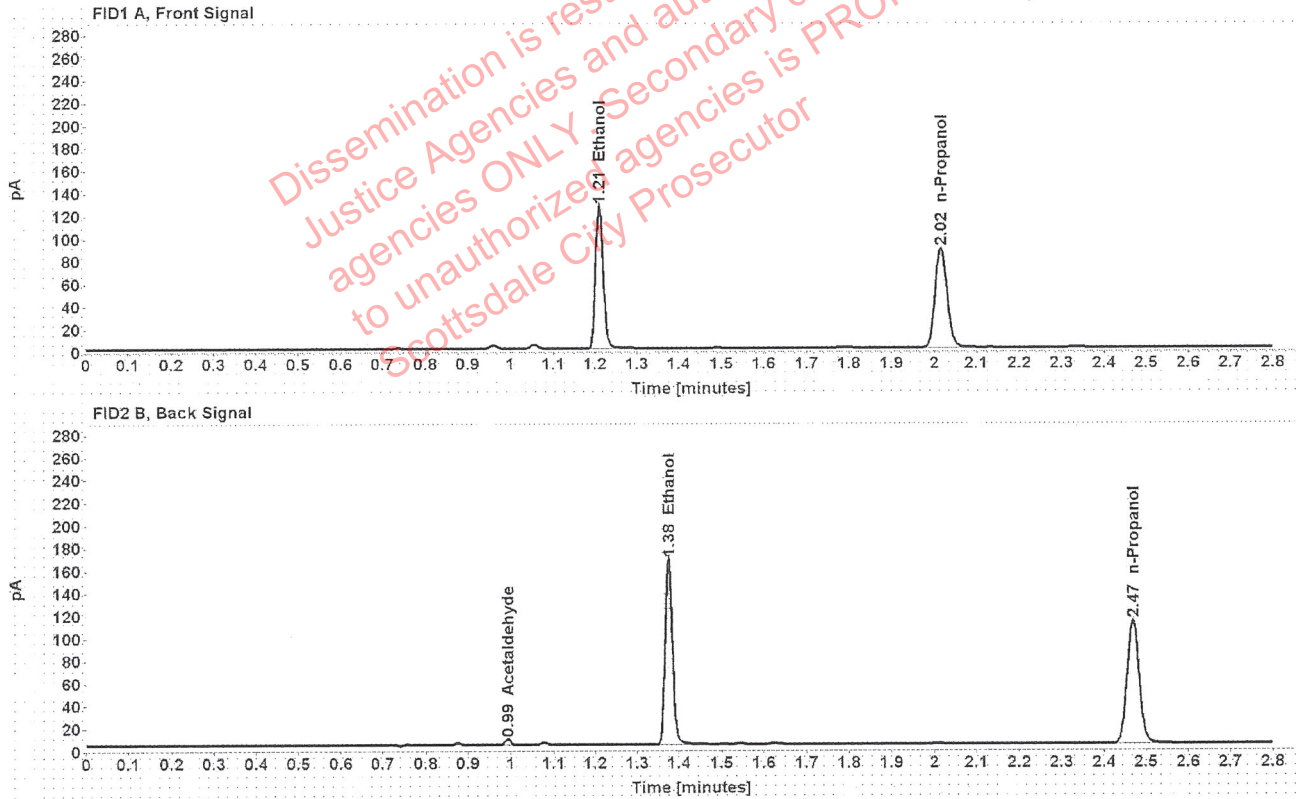


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322048	Vial:	23
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:21:13 PM
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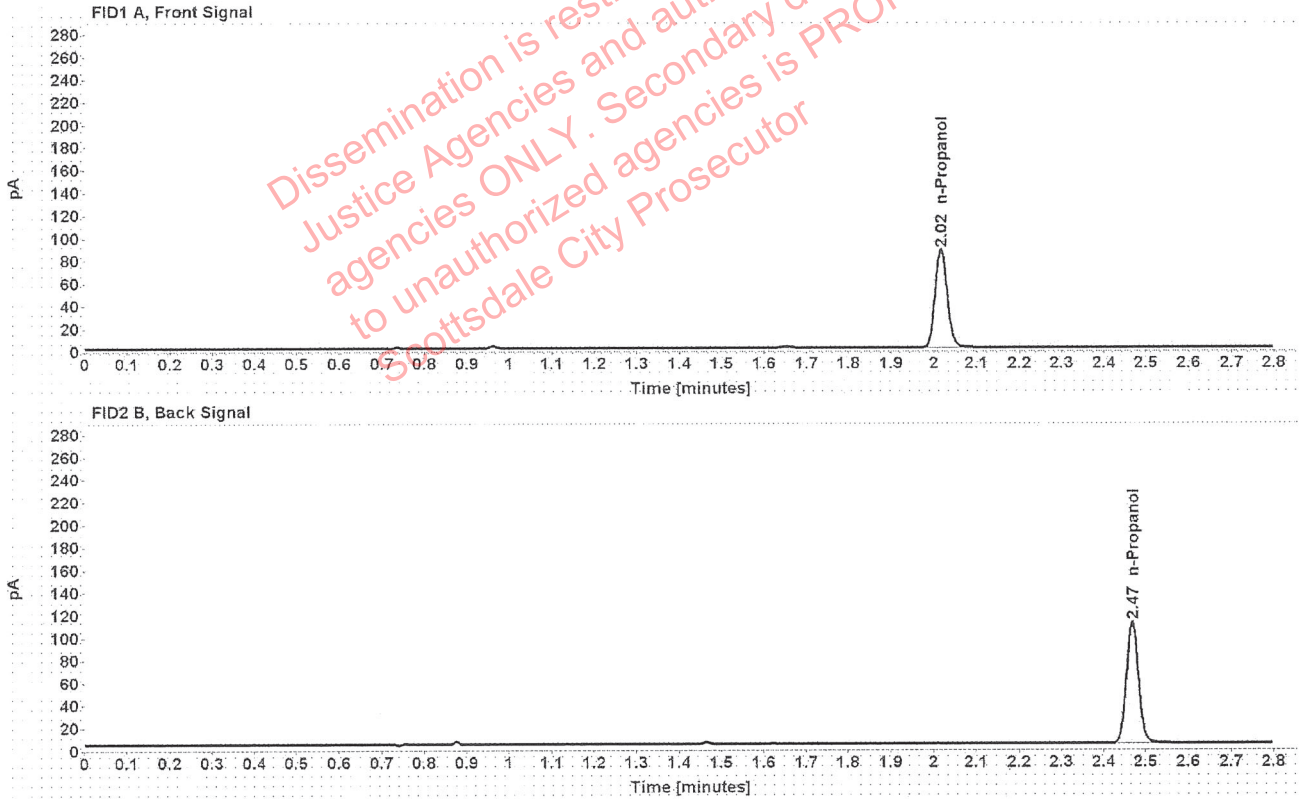


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1322048	Vial:	24
Description:		LIMS ID:	
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:25:14 PM
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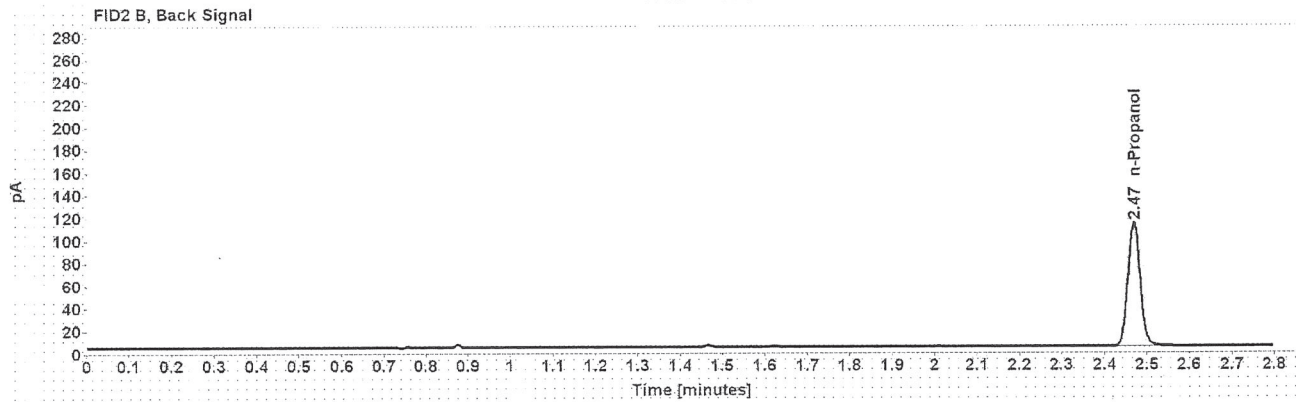


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

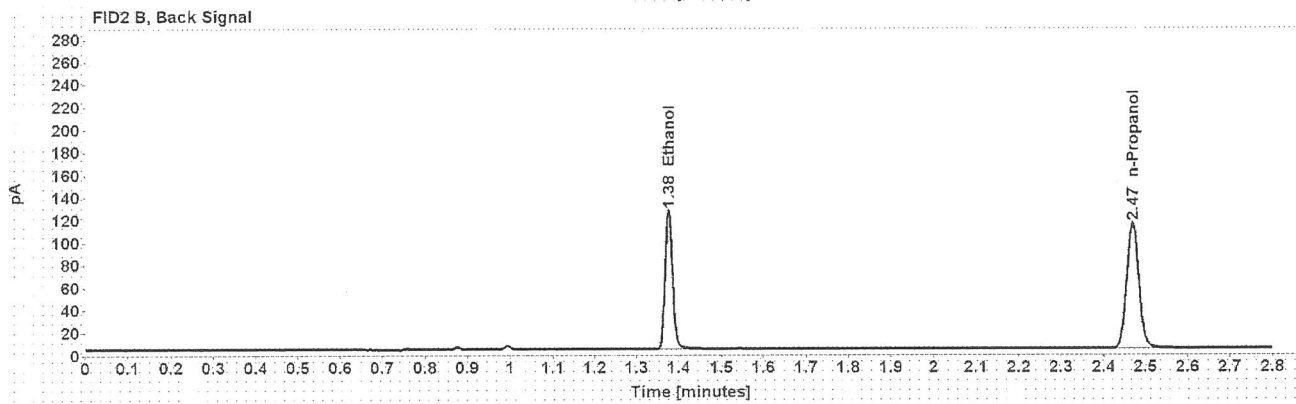
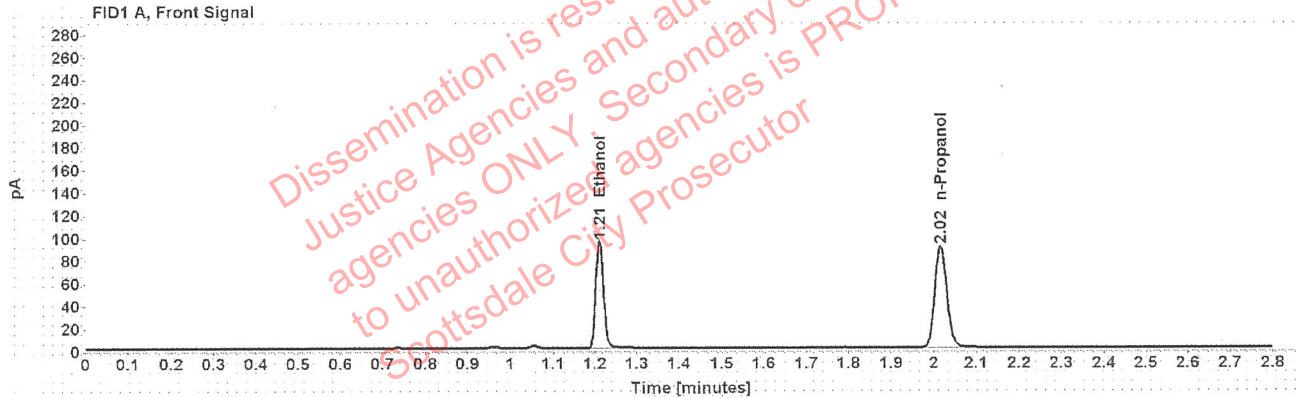


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1329049	Vial:	26
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:33:30 PM
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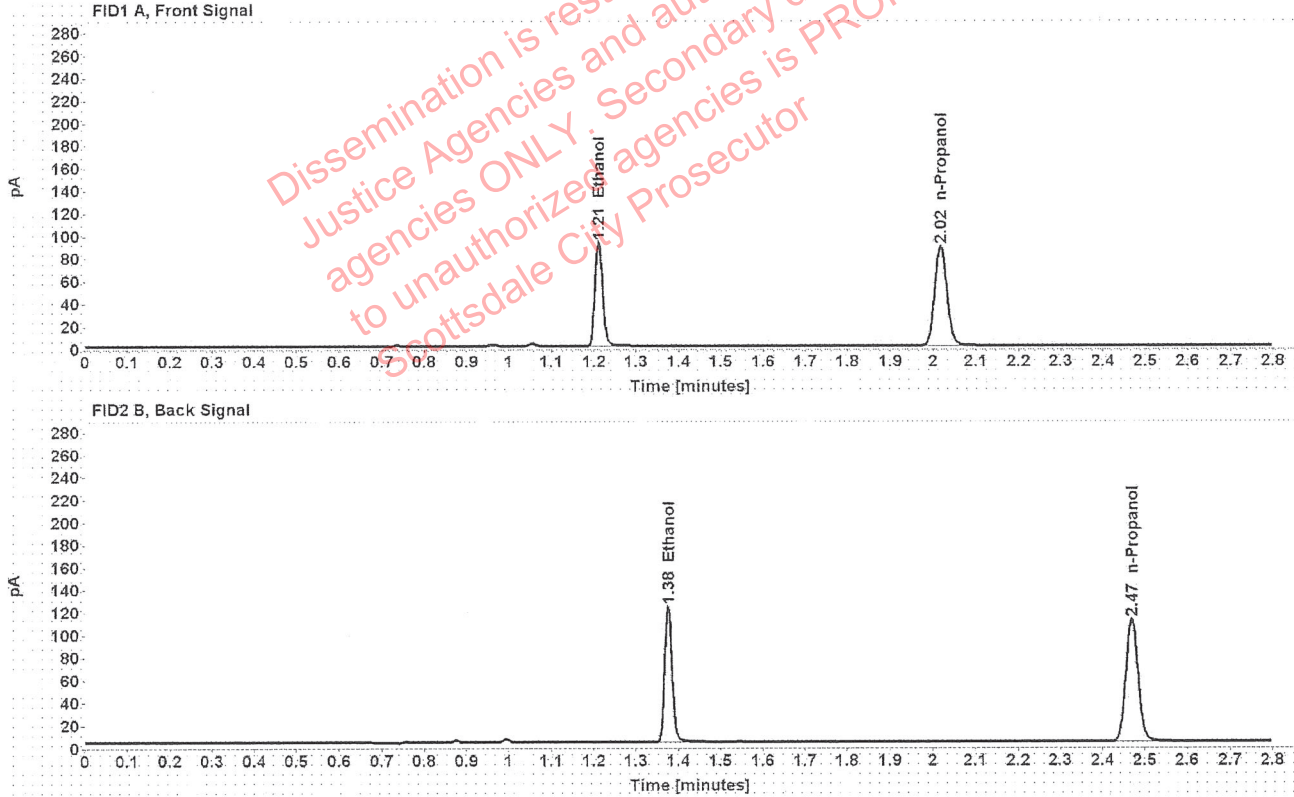


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327737	Vial:	27
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
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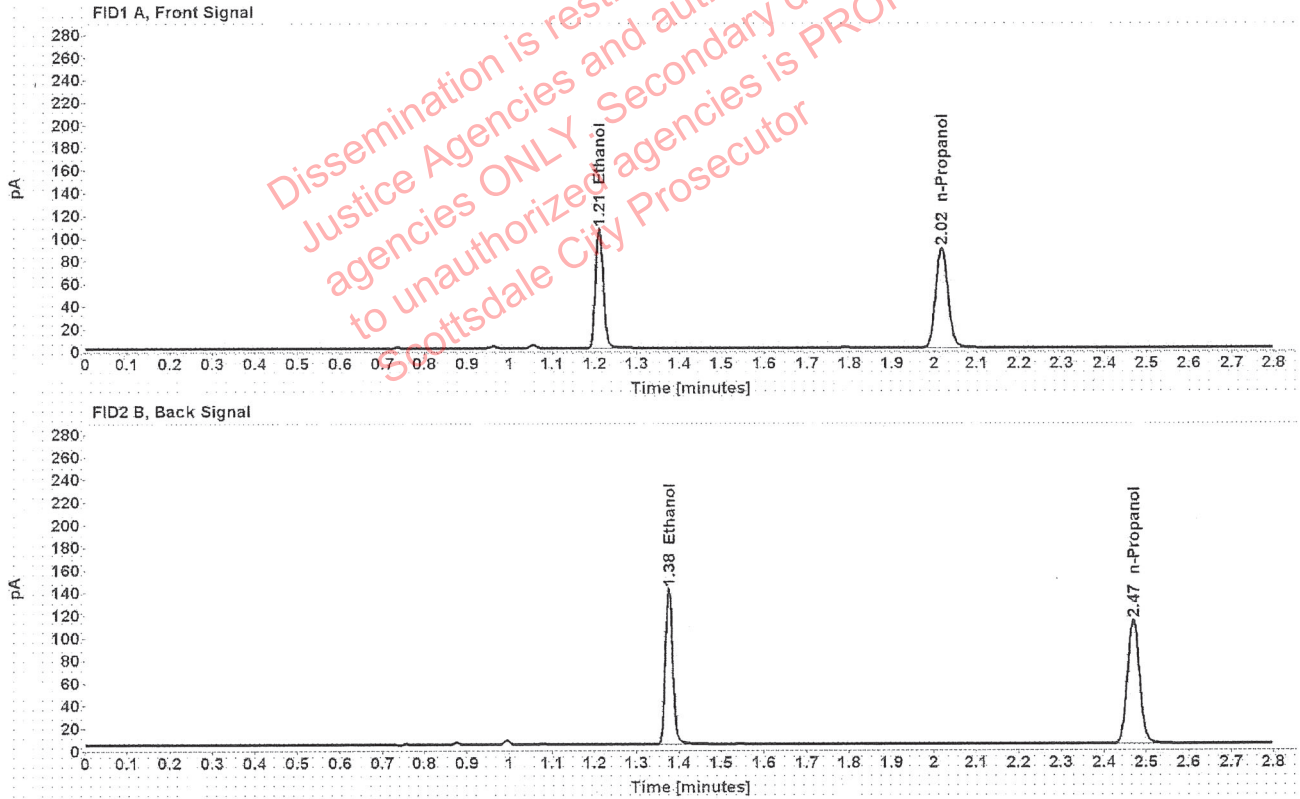


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1327737	Vial:	28
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:41:30 PM
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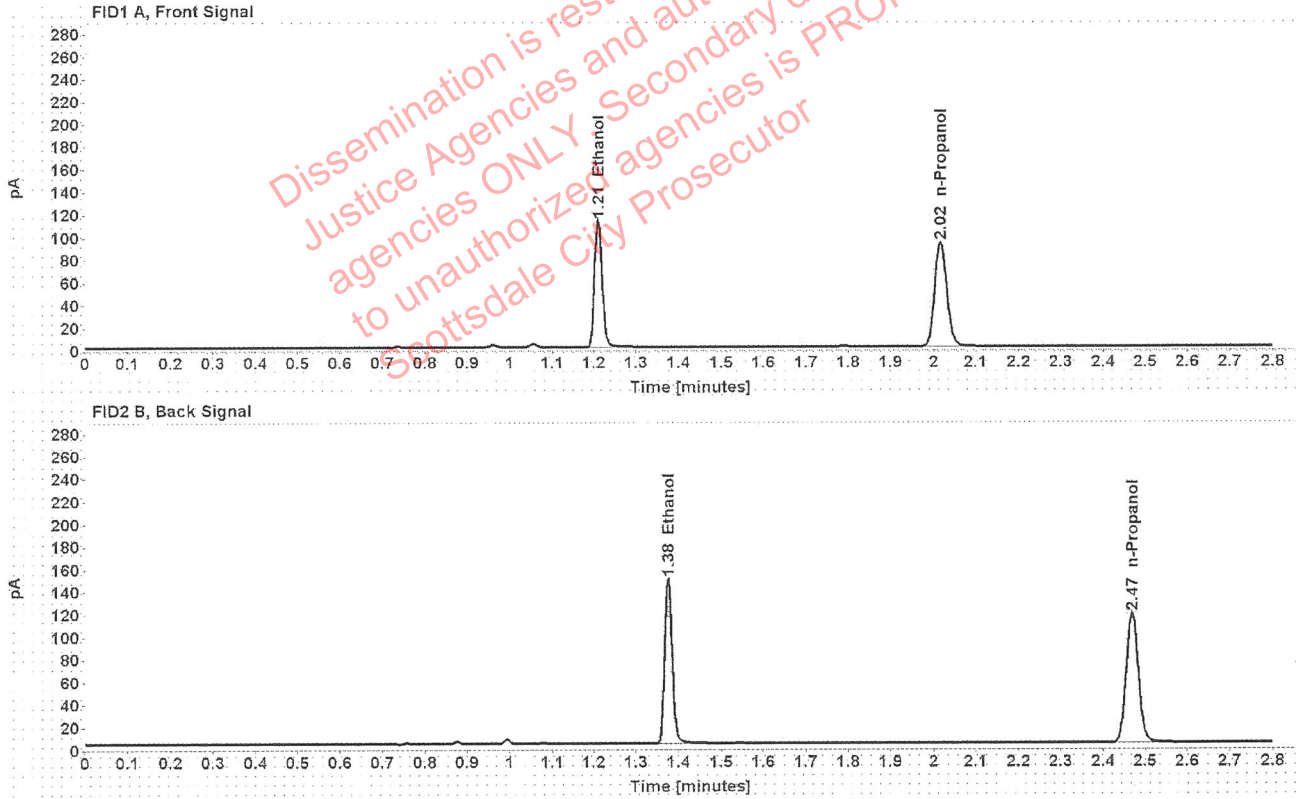


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

Sample:	1323976	Vial:	29
Description:	[REDACTED]	LIMS ID:	[REDACTED]
Method:	ethanol quant.M	Sequence:	15Jul20
Instrument:	US14173023 CN14160045	Injection date:	7/15/2020 1:45:28 PM
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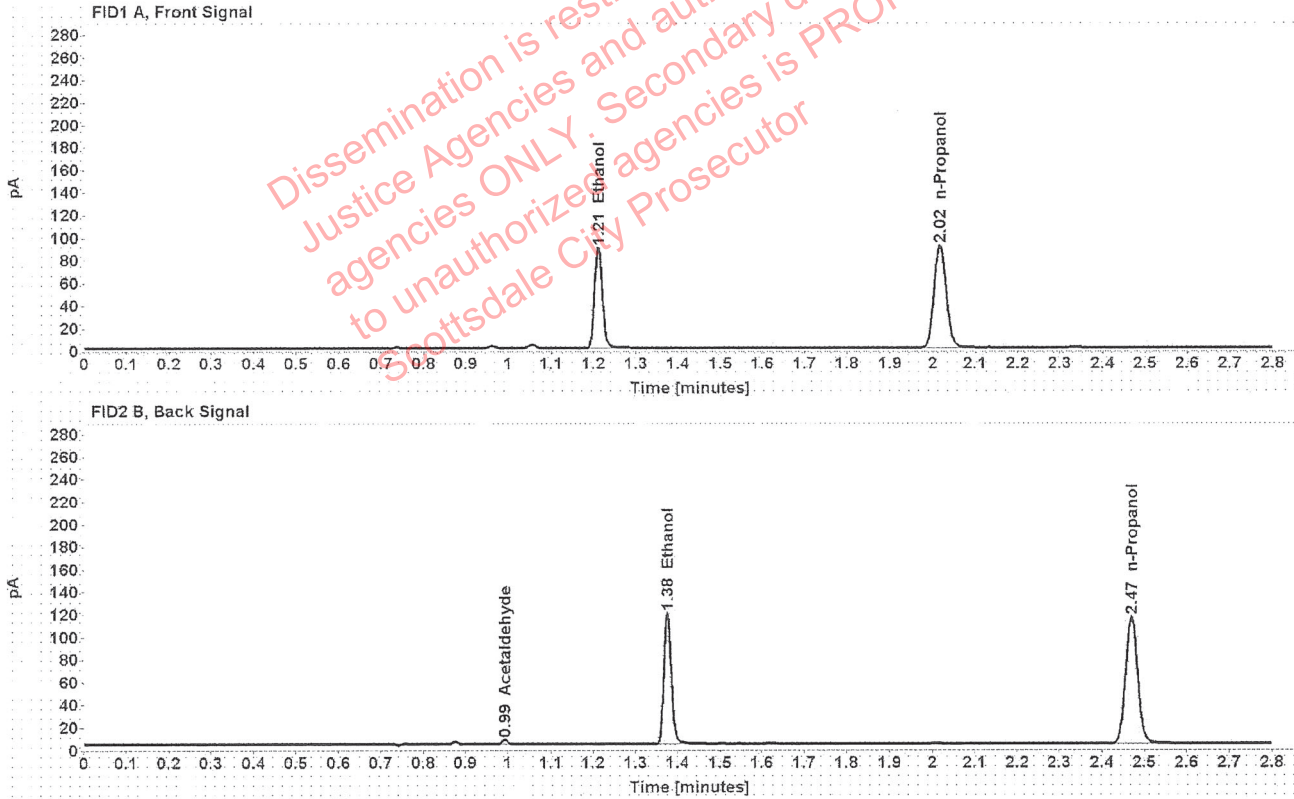


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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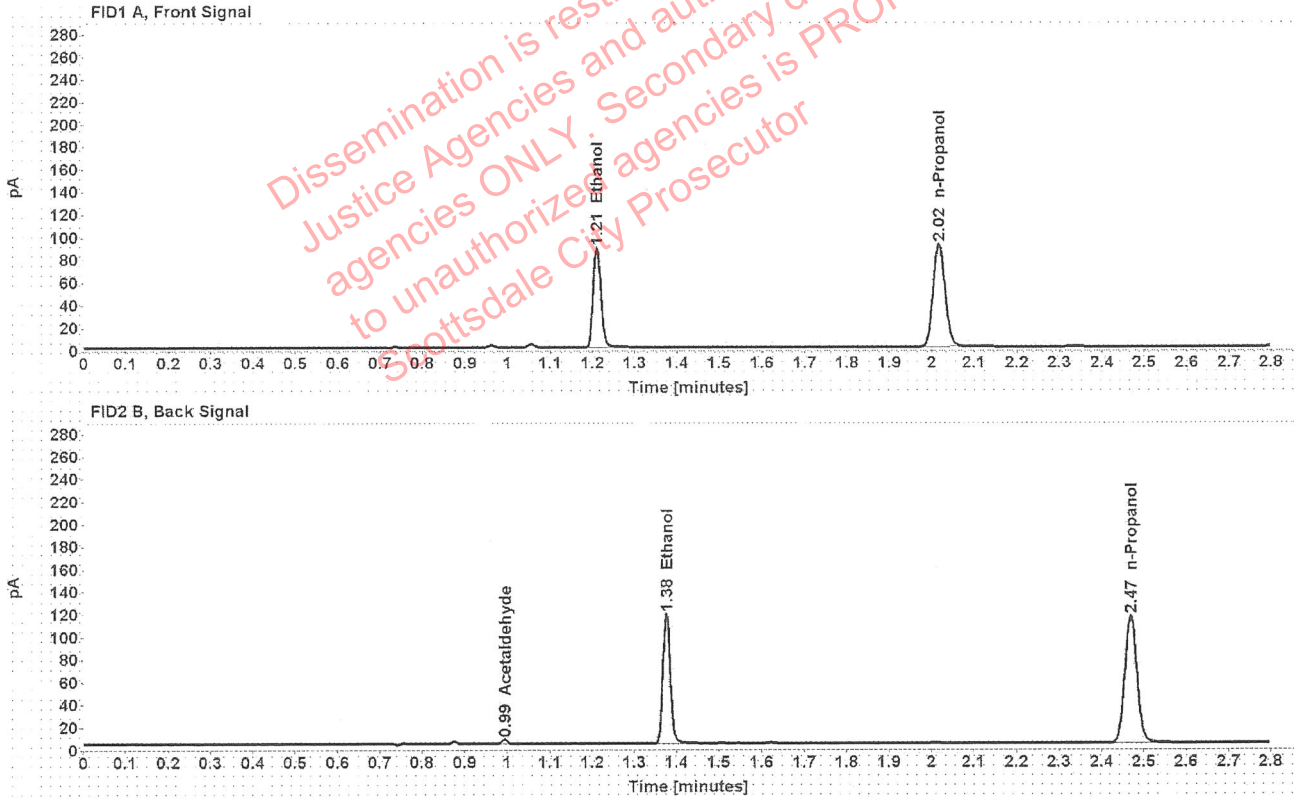


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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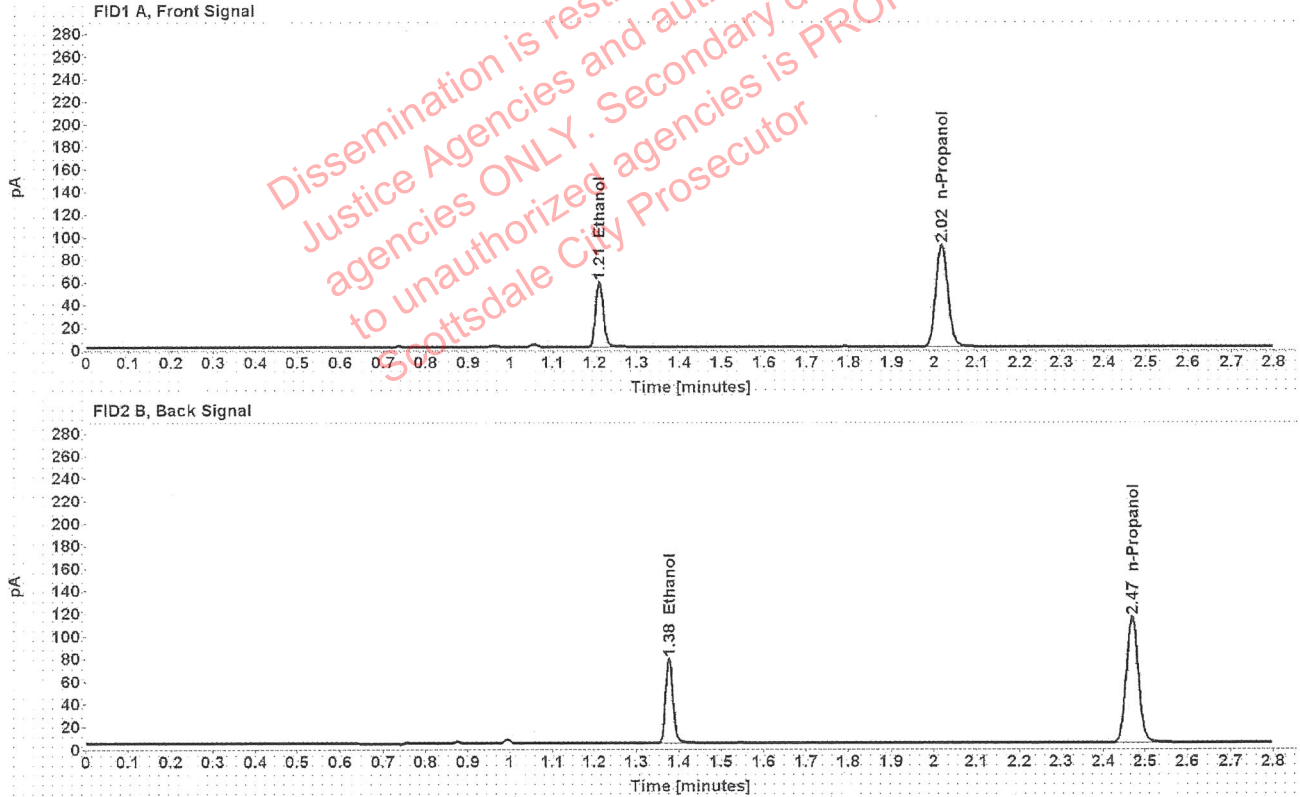


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

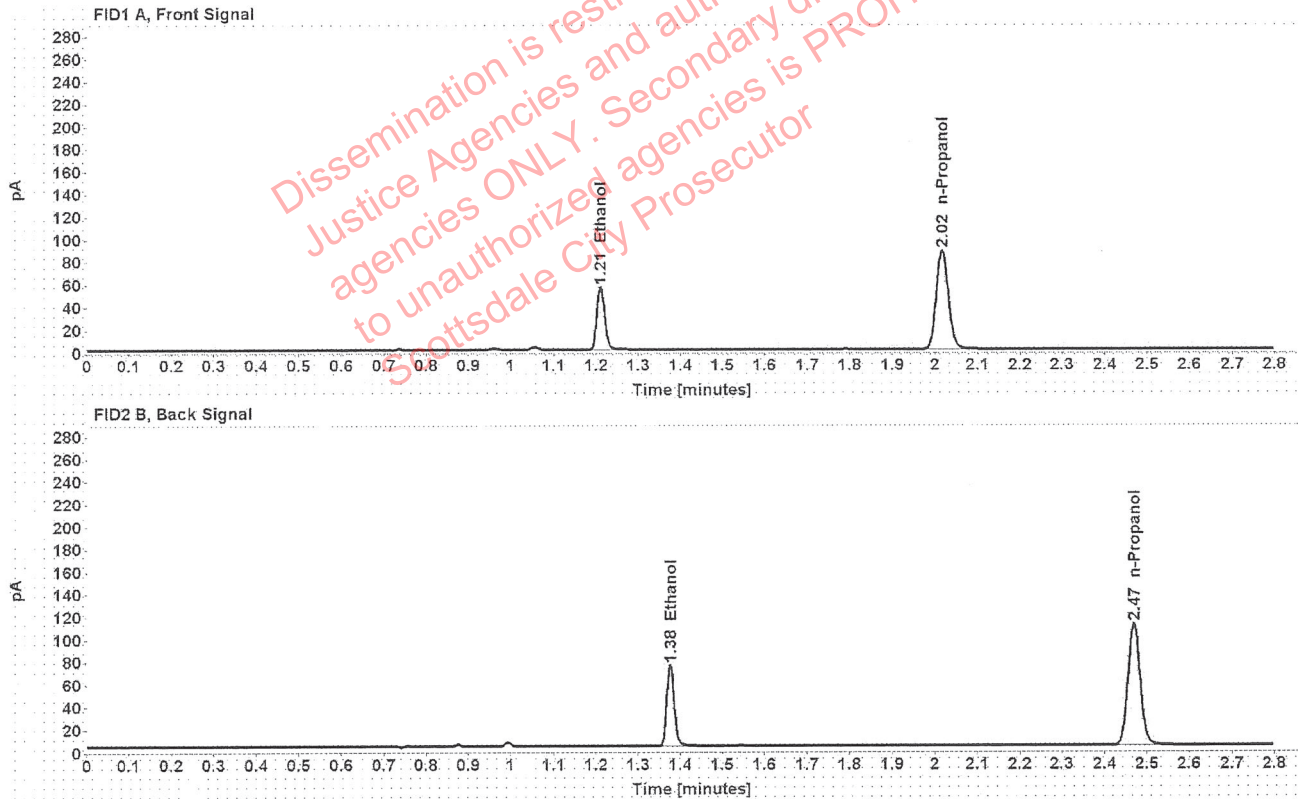


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

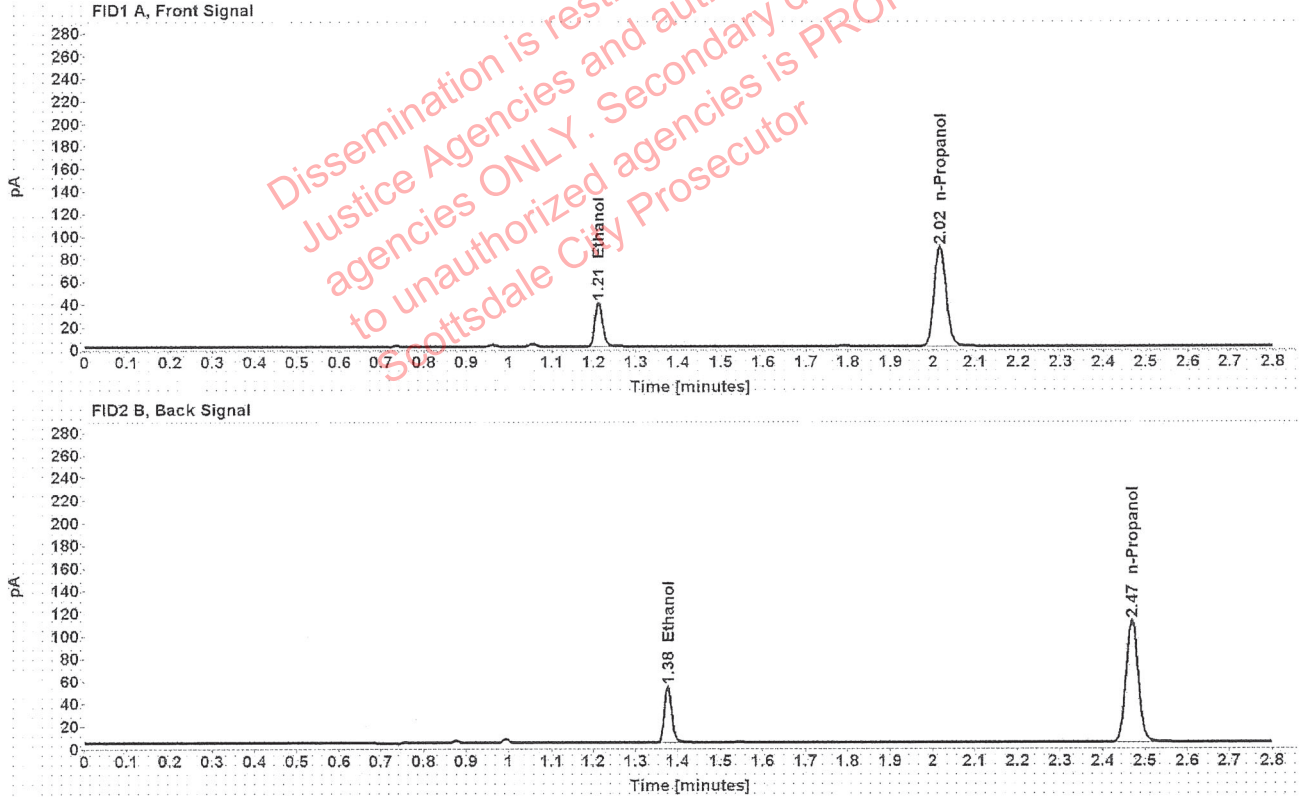


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

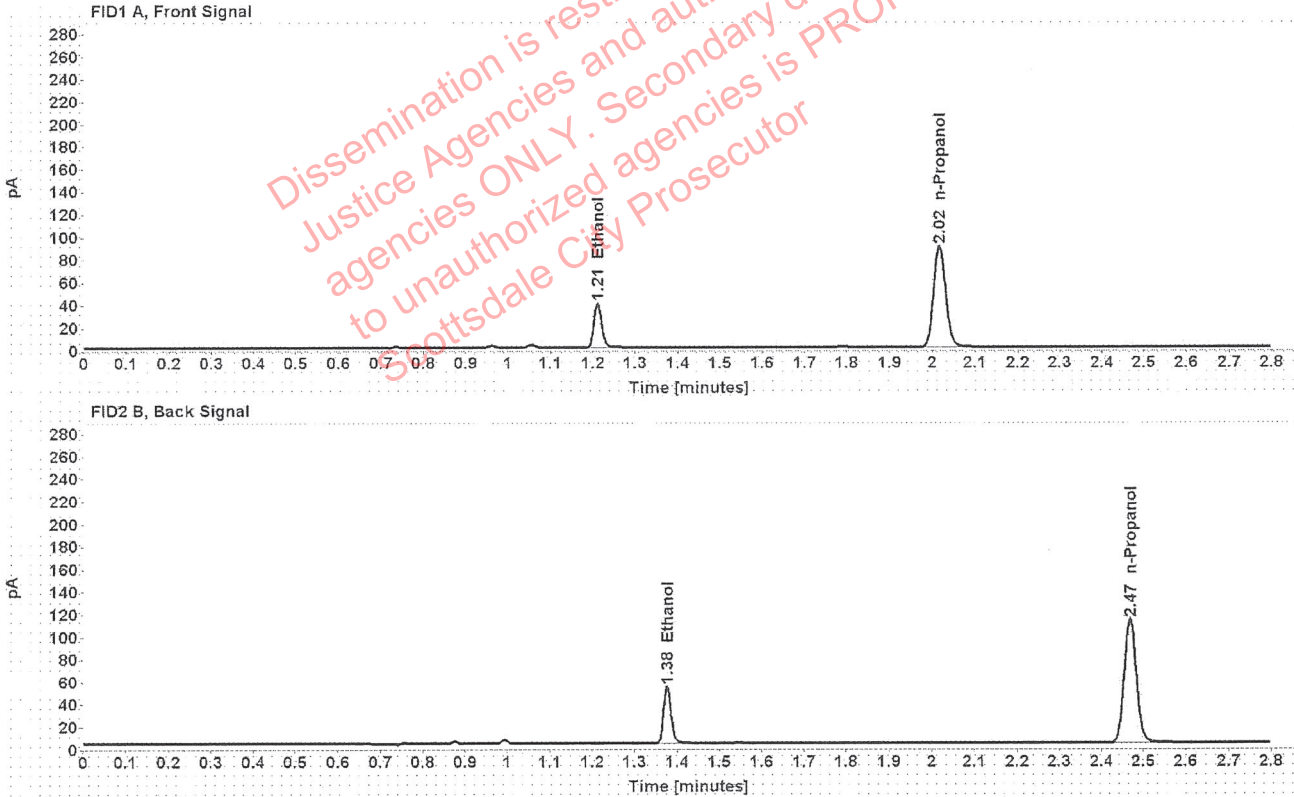


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

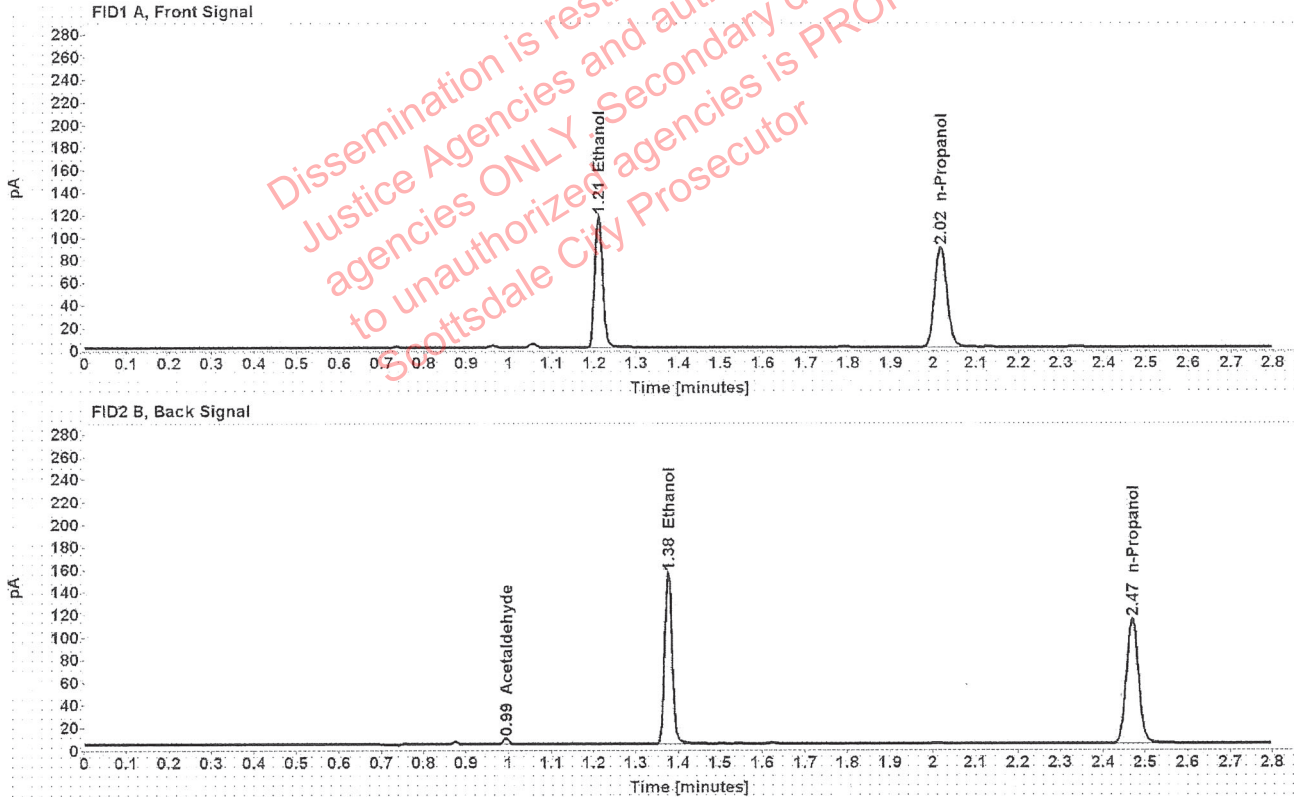


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

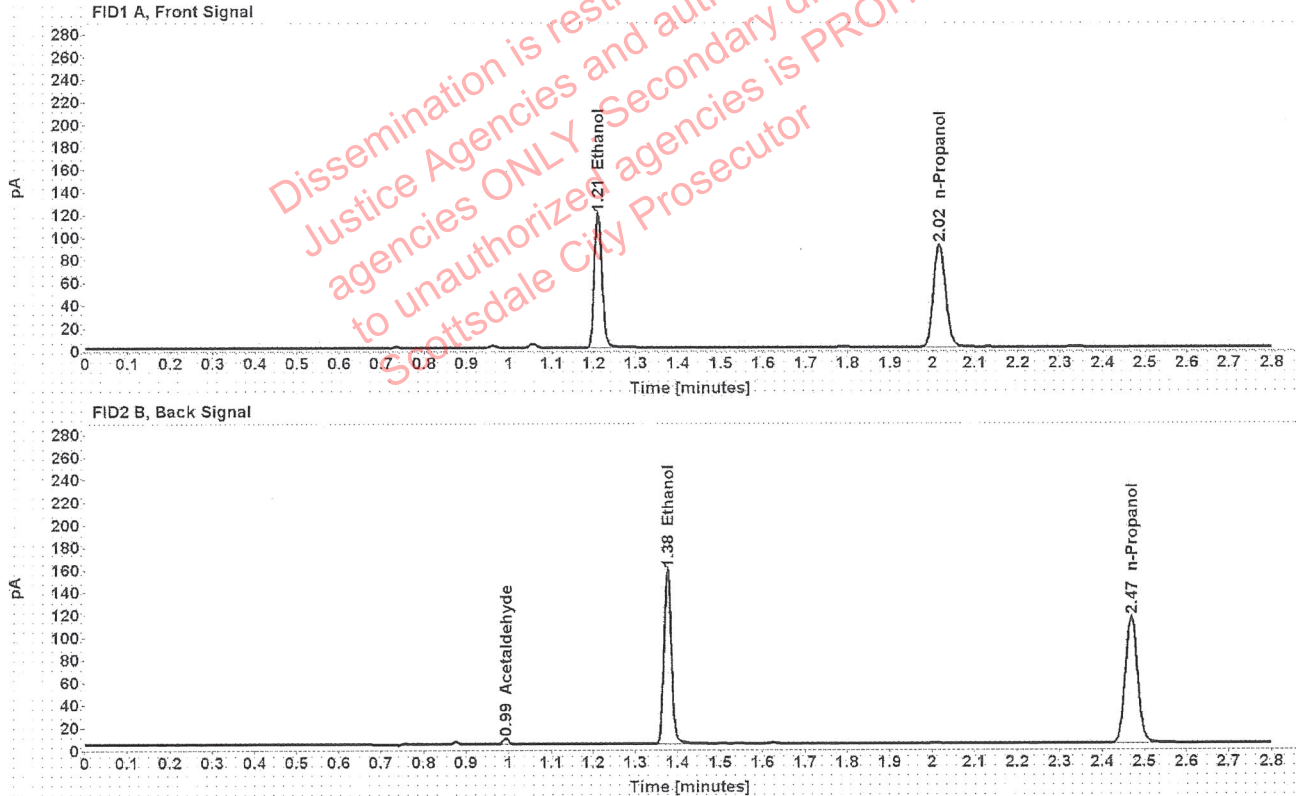


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

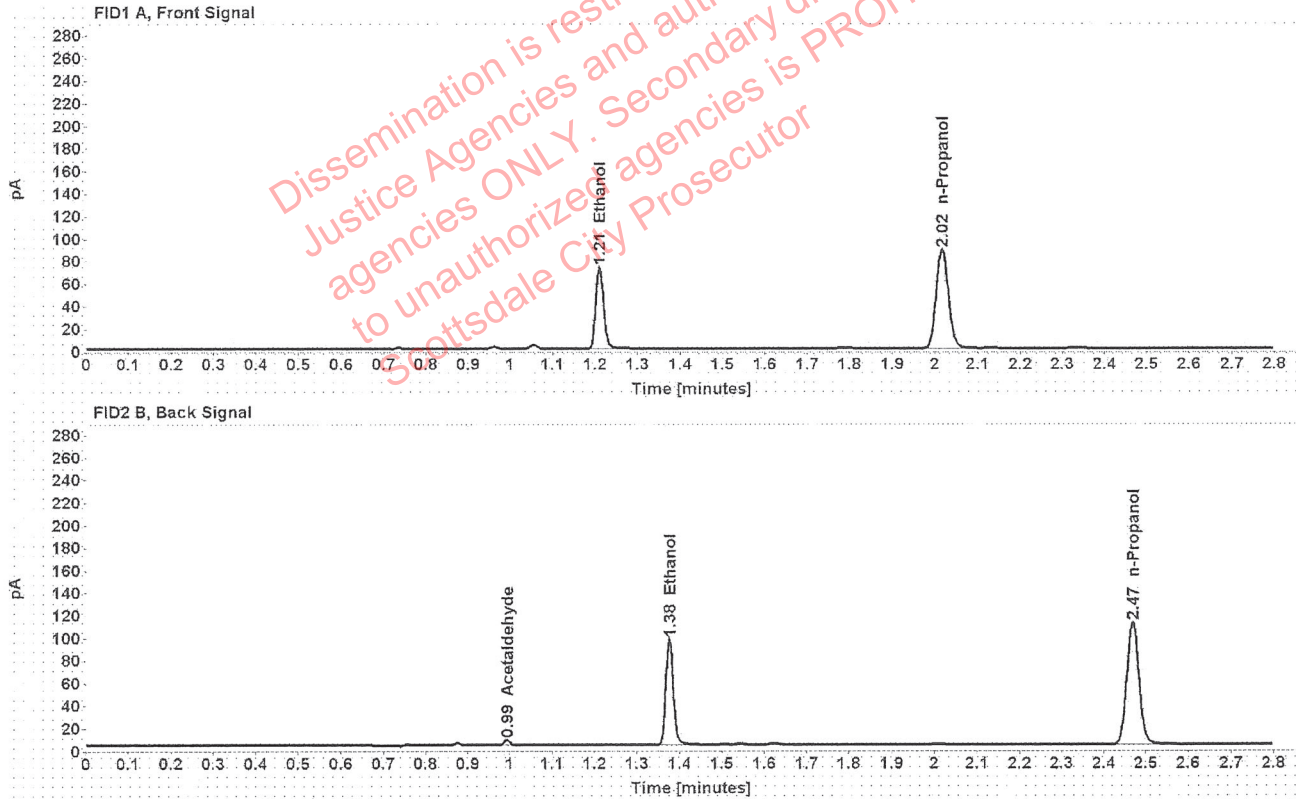


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

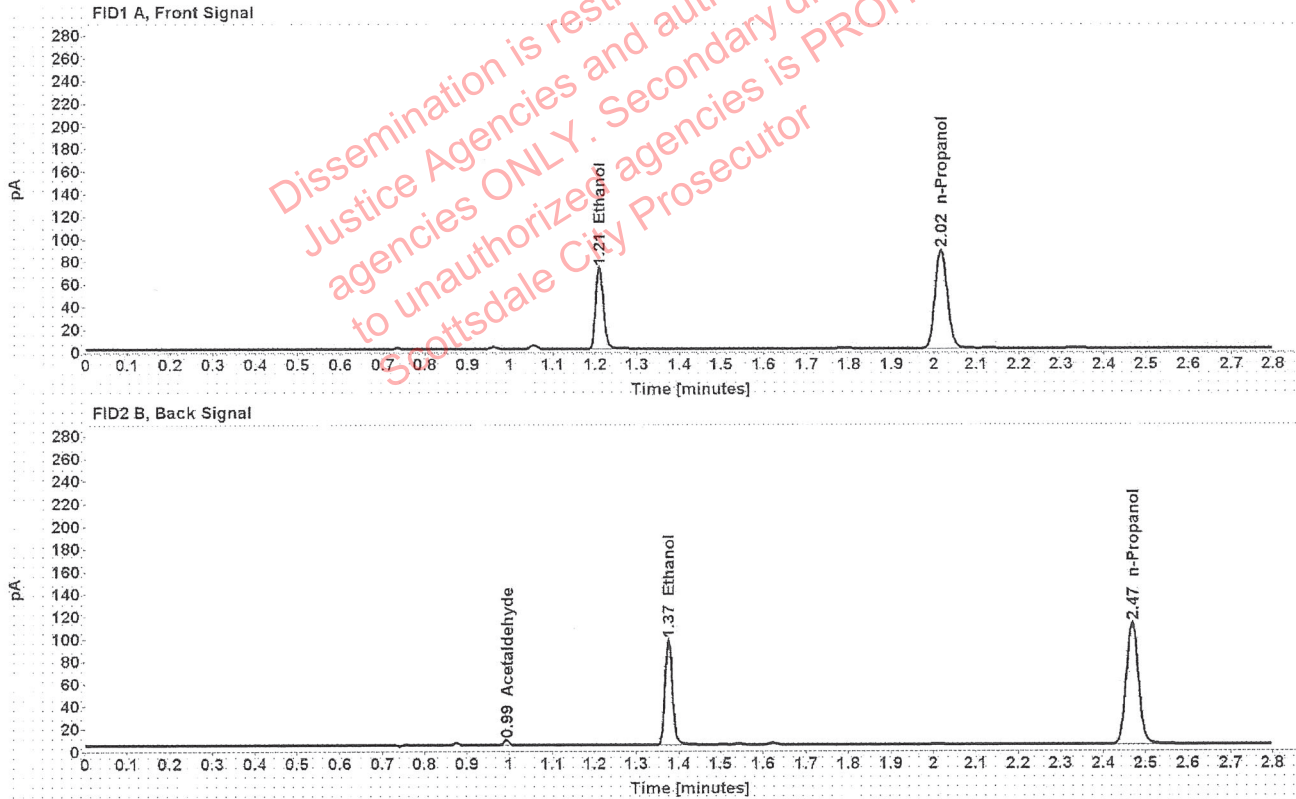


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

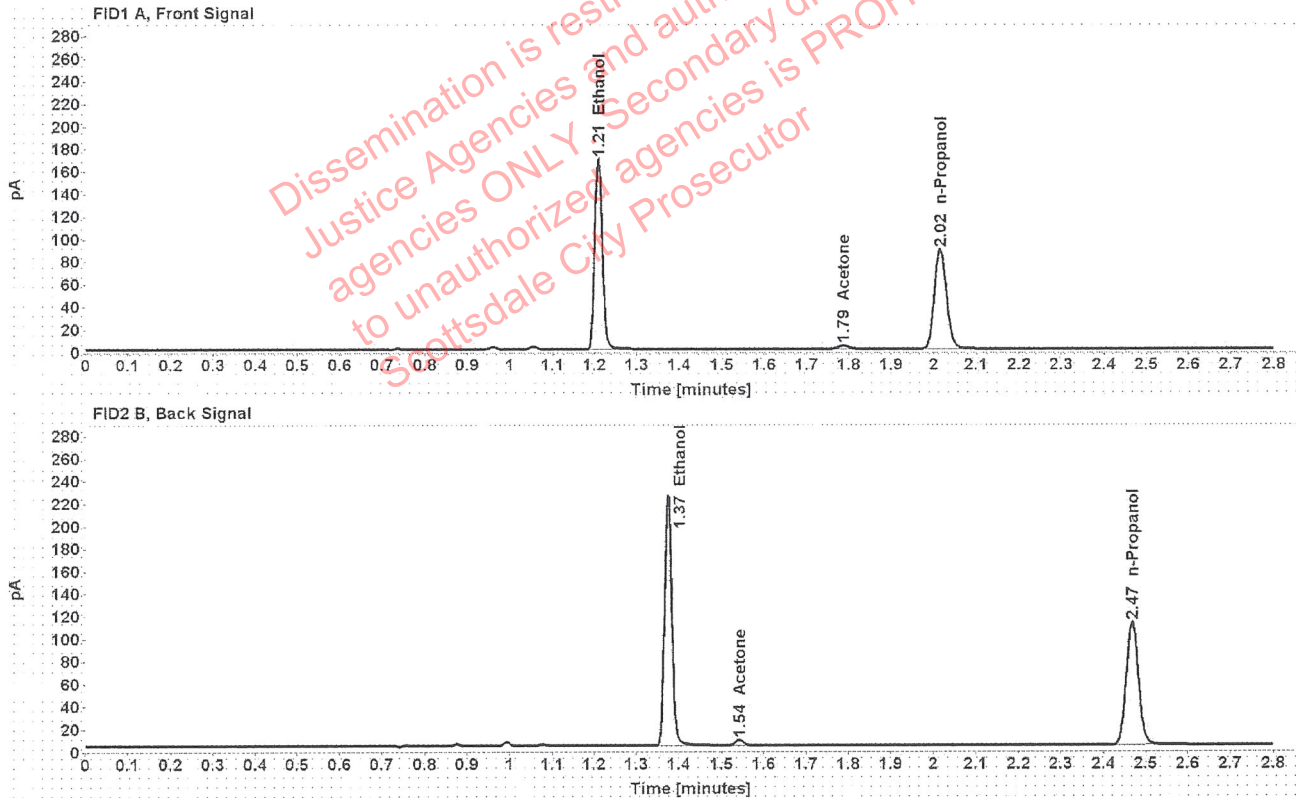


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

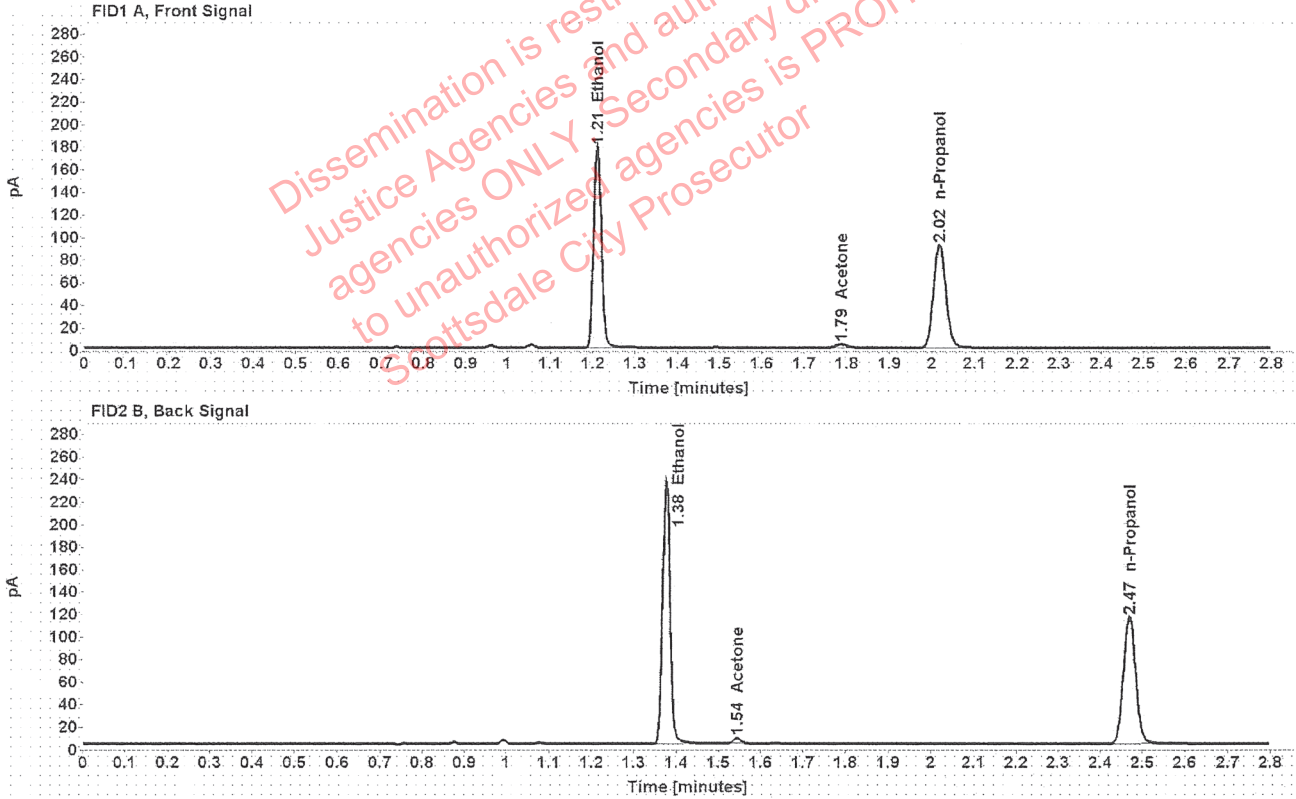


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

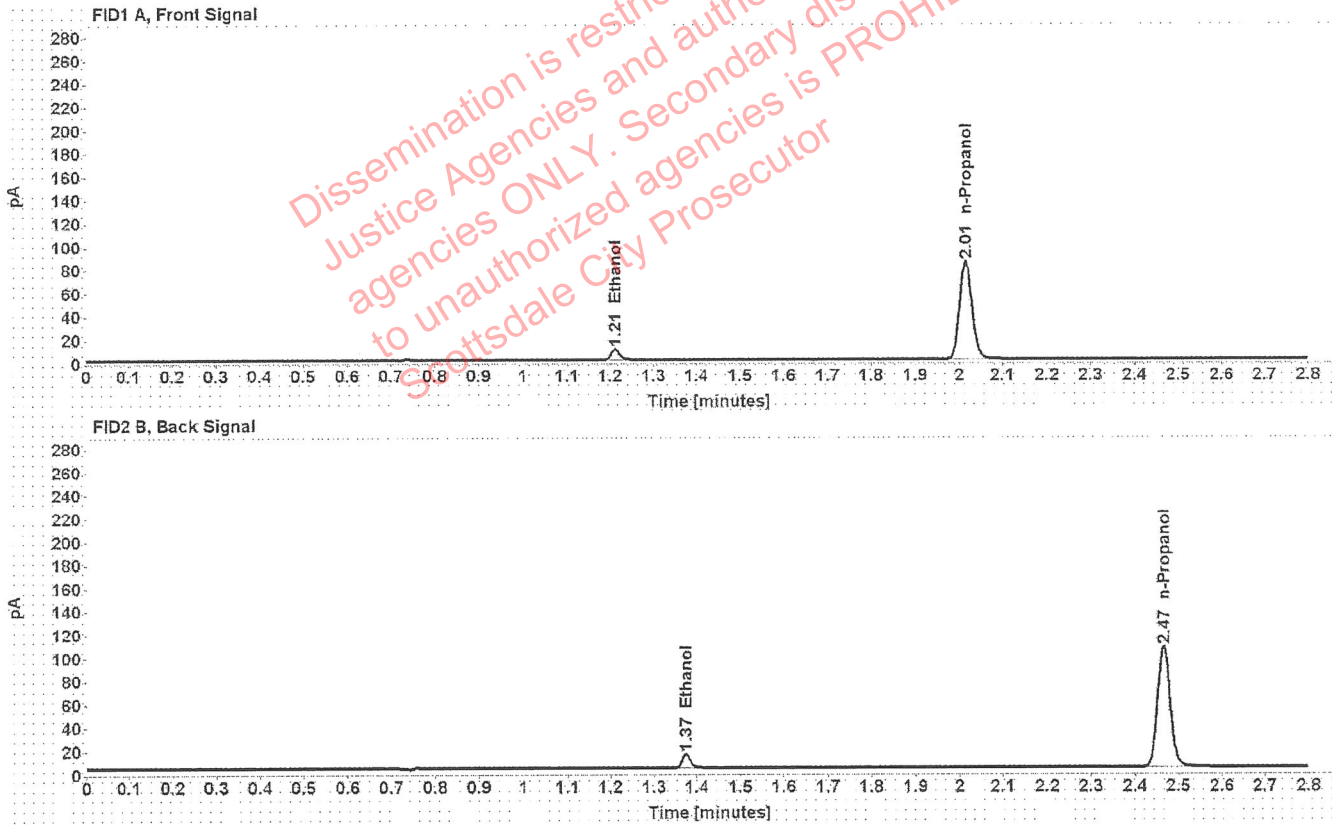


Table 1: FID 1 A (column DB-ALC1)

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

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

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

Scottsdale Police Department Crime Lab Volatiles Analysis

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

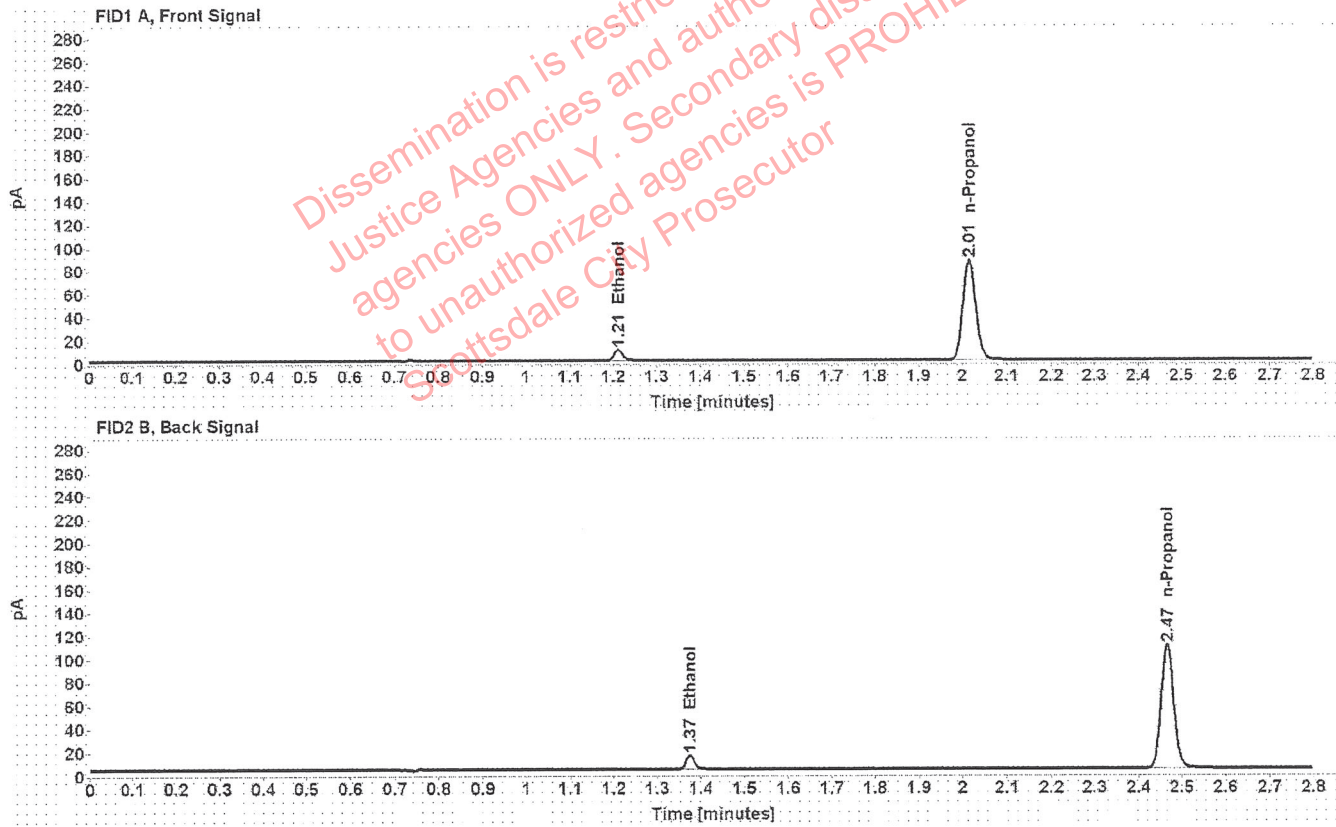


Table 1: FID 1 A (column DB-ALC1)

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

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

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