Worklist: 3688

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2019-1648	1	161561	Alcohol Analysis
C2019-1656	1	161616	Alcohol Analysis
C2019-1667	1	161742	Alcohol Analysis
C2019-1713	1	162210	Alcohol Analysis
C2019-1715	1	162214	Alcohol Analysis
C2019-1721	1	162281	Alcohol Analysis
C2019-1721	2	162284	Alcohol Analysis
C2019-1722	1	162287	Alcohol Analysis
C2019-1729	1	162369	Alcohol Analysis
C2019-1744	1	162607	Alcohol Analysis
C2019-1745	1	162610	Alcohol Analysis
C2019-1749	1	162615	Alcohol Analysis
C2019-1756	1	162915	Alcohol Analysis
C2019-1757	1	162918	Alcohol Analysis
C2019-1771	1	163080	Alcohol Analysis
C2019-1772	1	163096	Alcohol Analysis
C2019-1786	1	163318	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 600A Liquid Processor/Dilutor Serial Number: ML600HC11379

Volatiles Quality Assurance Controls **Run Date(s): 9/14/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0771 g/100cc
					0.0778 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1940 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:		**Column 1**	0.99999	**Column2**	0.99999

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0497	0.0497	0.0000	0.0497
100	0.100	0.090 - 0.110	0.0995	0.0997	0.0002	0.0996
200	0.200	0.180 - 0.220	0.1981	0.1983	0.0002	0.1982
300	0.300	0.270 - 0.330	0.3002	0.2996	0.0006	0.2999
500	0.500	0.450 - 0.550	0.5008	0.5010	0.0002	0.5009

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.078 g/100cc

REVIEWED
By Rachel Cutler at 7:39 pm, Sep 23, 2019

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_14.09.2019_01.09.58\9-14-2019.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_14.09.2019_01.09.58\9-14-2019.S
Data directory path: C:\Chem32\1\Data\9-14-2019-JJ
Logbook: C:\Chem32\1\Data\9-14-2019-JJ\9-14-2019.LOG
Sequence start: 9/14/2019 1:23:44 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp
1	1	1	water-1	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D		2
4	4	1	QC-1(1)-A	-	1.0000	004F0401.D		4
5	5	1	QC-1(1)-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2019-1648-1-A	-	1.0000	008F0801.D		4
9	9	1	C2019-1648-1-B	-	1.0000	009F0901.D		4
10	10	1	C2019-1656-1-A	-	1.0000	010F1001.D		4
11	11	1	C2019-1656-1-B	-	1.0000	011F1101.D		4
12	12	1	C2019-1667-1-A	-	1.0000	012F1201.D		4
13	13	1	C2019-1667-1-B	-	1.0000	013F1301.D		4
14	14	1	C2019-1713-1-A	-	1.0000	014F1401.D		4
15	15	1	C2019-1713-1-B	-	1.0000	015F1501.D		4
16	16	1	C2019-1715-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-1715-1-B	-	1.0000	017F1701.D		4
18	18	1	C2019-1721-1-A	-	1.0000	018F1801.D		4
19	19	1	C2019-1721-1-B	-	1.0000	019F1901.D		4
20	20	1	C2019-1721-2-A	-	1.0000	020F2001.D		2
21	21	1	C2019-1721-2-B	-	1.0000	021F2101.D		2
22	22	1	C2019-1722-1-A	-	1.0000	022F2201.D		2
23	23	1	C2019-1722-1-B	-	1.0000	023F2301.D		2
24	24	1	C2019-1729-1-A	-	1.0000	024F2401.D		4
25	25	1	C2019-1729-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2(1)-A	-	1.0000	026F2601.D		4
27	27	1	QC-2(1)-B	-	1.0000	027F2701.D		4
28	28	1	C2019-1744-1-A	-	1.0000	028F2801.D		4
29	29	1	C2019-1744-1-B	-	1.0000	029F2901.D		4
30	30	1	C2019-1745-1-A	-	1.0000	030F3001.D		4
31	31	1	C2019-1745-1-B	-	1.0000	031F3101.D		4
32	32	1	C2019-1749-1-A	-	1.0000	032F3201.D		4
33	33	1	C2019-1749-1-B	-	1.0000	033F3301.D		4
34	34	1	C2019-1756-1-A	-	1.0000	034F3401.D		4
35	35	1	C2019-1756-1-B	-	1.0000	035F3501.D		4
36	36	1	C2019-1757-1-A	-	1.0000	036F3601.D		4
37	37	1	C2019-1757-1-B	-	1.0000	037F3701.D		4
38	38	1	C2019-1771-1-A	-	1.0000	038F3801.D		2
39	39	1	C2019-1771-1-B	-	1.0000	039F3901.D		2
40	40	1	C2019-1772-1-A	-	1.0000	040F4001.D		2
41	41	1	C2019-1772-1-B	-	1.0000	041F4101.D		2
42	42	1	C2019-1786-1-A	-	1.0000	042F4201.D		2
43	43	1	C2019-1786-1-B	-	1.0000	043F4301.D		2
44	44	1	QC-1(2)-A	-	1.0000	044F4401.D		4
45	45	1	QC-1(2)-B	-	1.0000	045F4501.D		4
46	46	1	ISTD BLANK-2	-	1.0000	046F4601.D		2

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_14.09.2019_01.09.58\9-14-2019.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	water-2	-	1.0000	047F4701.D		0
48	48	1	0.05 DIAGNOSTIC	-	1.0000	048F4801.D		4
49	49	1	0.100 DIAGNOSTIC	-	1.0000	049F4901.D		4
50	50	1	0.200 DIAGNOSTIC	-	1.0000	050F5001.D		4
51	51	1	0.300 DIAGNOSTIC	-	1.0000	051F5101.D		4
52	52	1	0.500 DIAGNOSTIC	-	1.0000	052F5201.D		4

99

Calibration Table

General Calibration Setting

Calib. Data Modified : Saturday, September 14, 2019 12:55:31 PM ✓
Signals calculated separately : No

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.100 min
Rel. Non-ref. Window : 0.000 %
Abs. Non-ref. Window : 0.100 min
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Forced
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [g/100cc]	Name
1	1.00000	n-Propanol
2	1.00000	n-Propanol

Signal Details

Signal 1: FID1 A, Front Signal
Signal 2: FID2 B, Back Signal

Overview Table

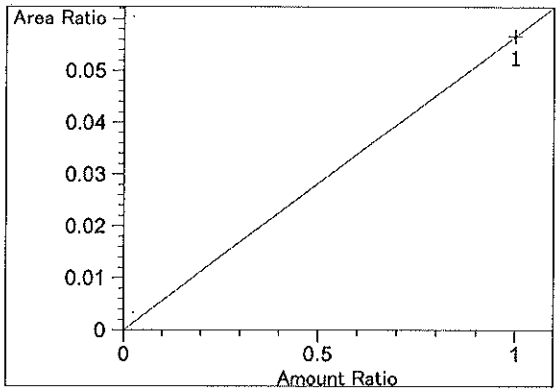
99

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.109	1	1	5.00000e-2	8.94314	5.59088e-3	No	No	1	Ethanol
		2	1.00000e-1	18.23612	5.48362e-3				
		3	2.00000e-1	36.59272	5.46557e-3				
		4	3.00000e-1	54.35682	5.51909e-3				
		5	5.00000e-1	90.55207	5.52168e-3				
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.180	2	1	5.00000e-2	9.03131	5.53629e-3	No	No	2	Ethanol
		2	1.00000e-1	18.42190	5.42832e-3				
		3	2.00000e-1	36.80598	5.43390e-3				
		4	3.00000e-1	54.49846	5.50474e-3				
		5	5.00000e-1	90.82556	5.50506e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.943	1	1	1.00000	89.31628	1.11962e-2	No	Yes	1	n-Propanol
		2	1.00000	90.96265	1.09935e-2				
		3	1.00000	91.69036	1.09063e-2				
		4	1.00000	89.89747	1.11238e-2				
		5	1.00000	89.75942	1.11409e-2				
7.622	2	1	1.00000	88.19125	1.13390e-2	No	Yes	2	n-Propanol
		2	1.00000	89.68879	1.11497e-2				
		3	1.00000	90.09338	1.10996e-2				
		4	1.00000	88.27121	1.13287e-2				
		5	1.00000	87.98808	1.13652e-2				

Peak Sum Table

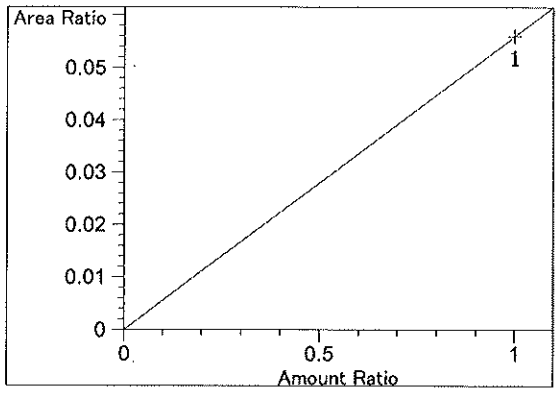
No Entries in table

Calibration Curves

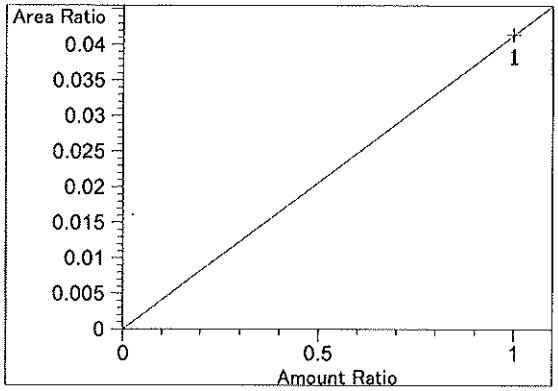


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.66950e-2
x: Amount Ratio
y: Area Ratio

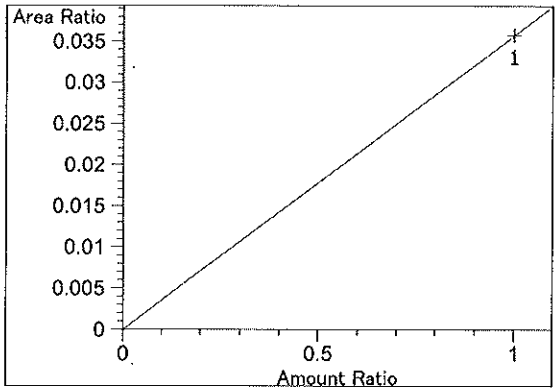
99



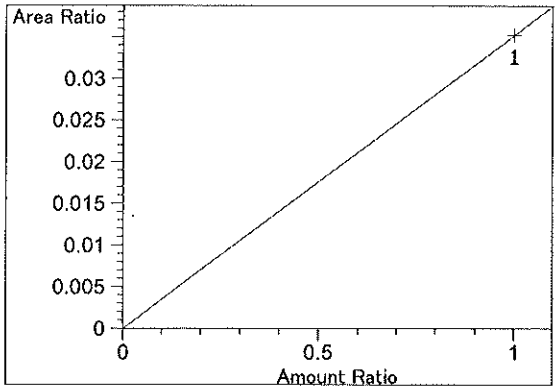
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.59808e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.13888e-2
x: Amount Ratio
y: Area Ratio

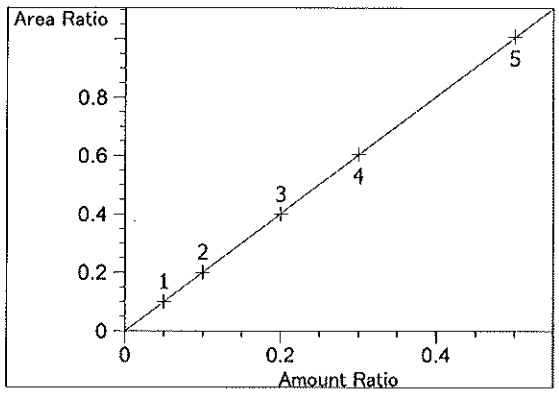


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.57506e-2
x: Amount Ratio
y: Area Ratio

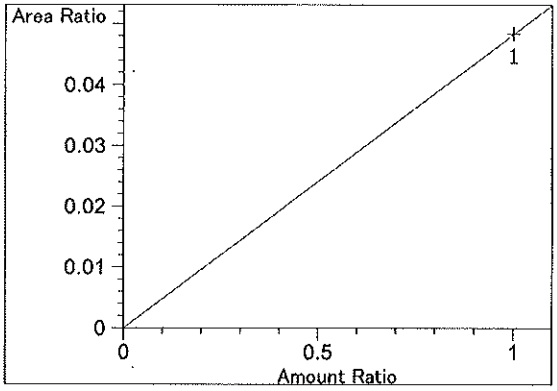


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.52161e-2
x: Amount Ratio
y: Area Ratio

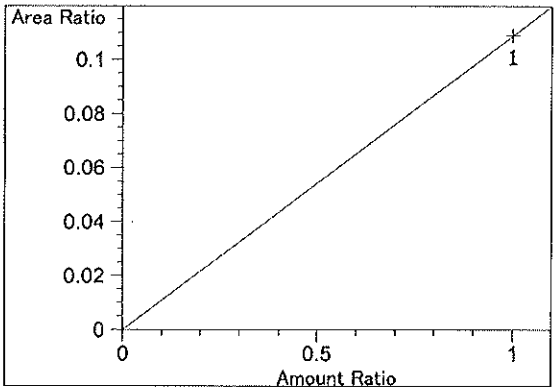
99



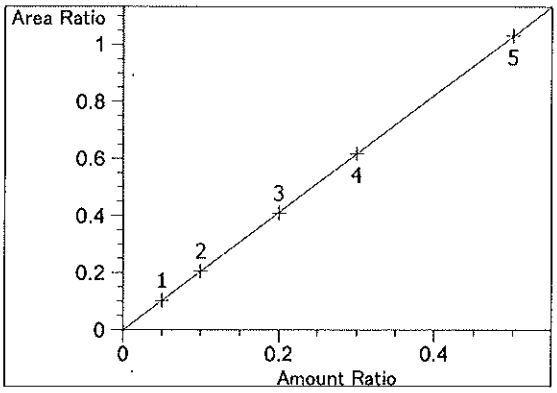
Ethanol at exp. RT: 3.109
FID1 A, Front Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00214
Formula: y = mx
m: 2.01448
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.83112e-2
x: Amount Ratio
y: Area Ratio

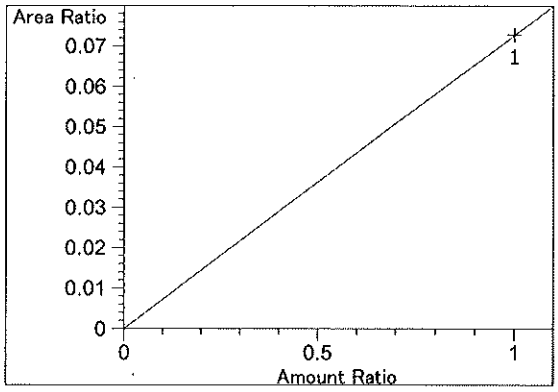


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.08945e-1
x: Amount Ratio
y: Area Ratio

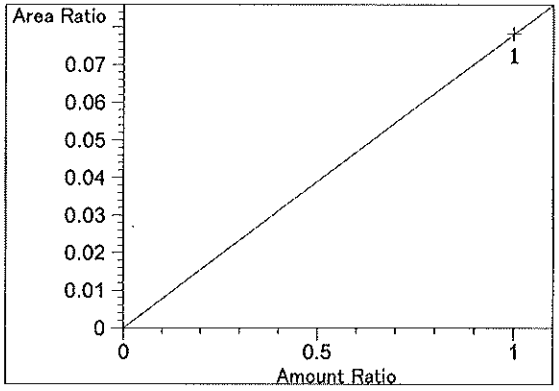


Ethanol at exp. RT: 4.180
FID2 B, Back Signal
Correlation: 0.99999 ✓
Residual Std. Dev.: 0.00213
Formula: y = mx
m: 2.06041
x: Amount Ratio
y: Area Ratio

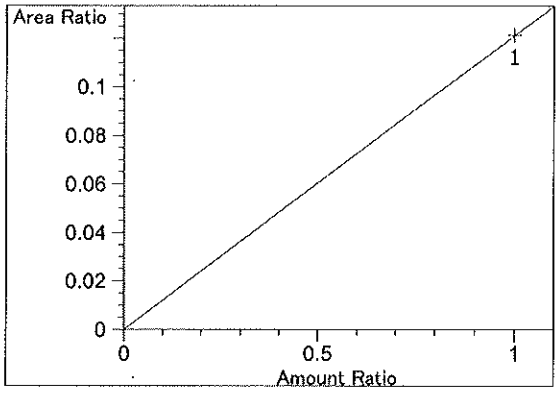
99



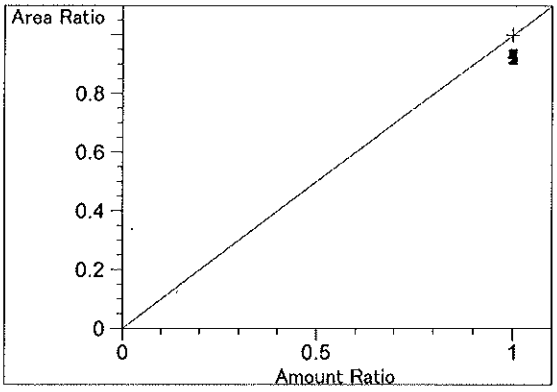
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.27684e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.81598e-2
x: Amount Ratio
y: Area Ratio

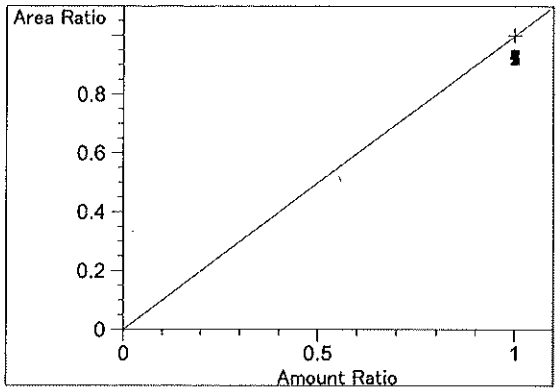


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.21400e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.943
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

97



n-Propanol at exp. RT: 7.622
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_14.09.2019_11.10.09\9-14-19cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_14.09.2019_11.10.09\9-14-19cal.S
Data directory path: C:\Chem32\1\Data\9-14-19calJJ
Logbook: C:\Chem32\1\Data\9-14-19calJJ\9-14-19cal.LOG
Sequence start: 9/14/2019 11:23:52 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

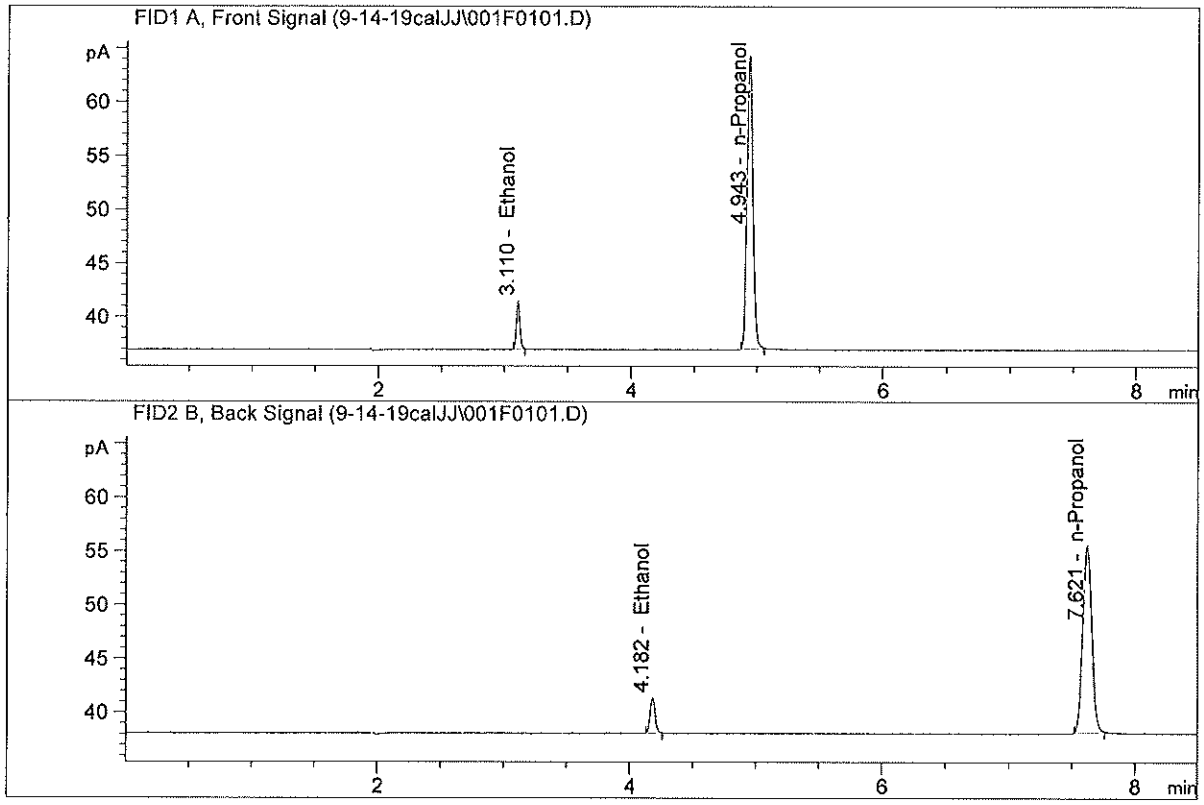
Method file name: C:\CHEM32\1\METHODS\ALCOHOL.M

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D		2

97

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

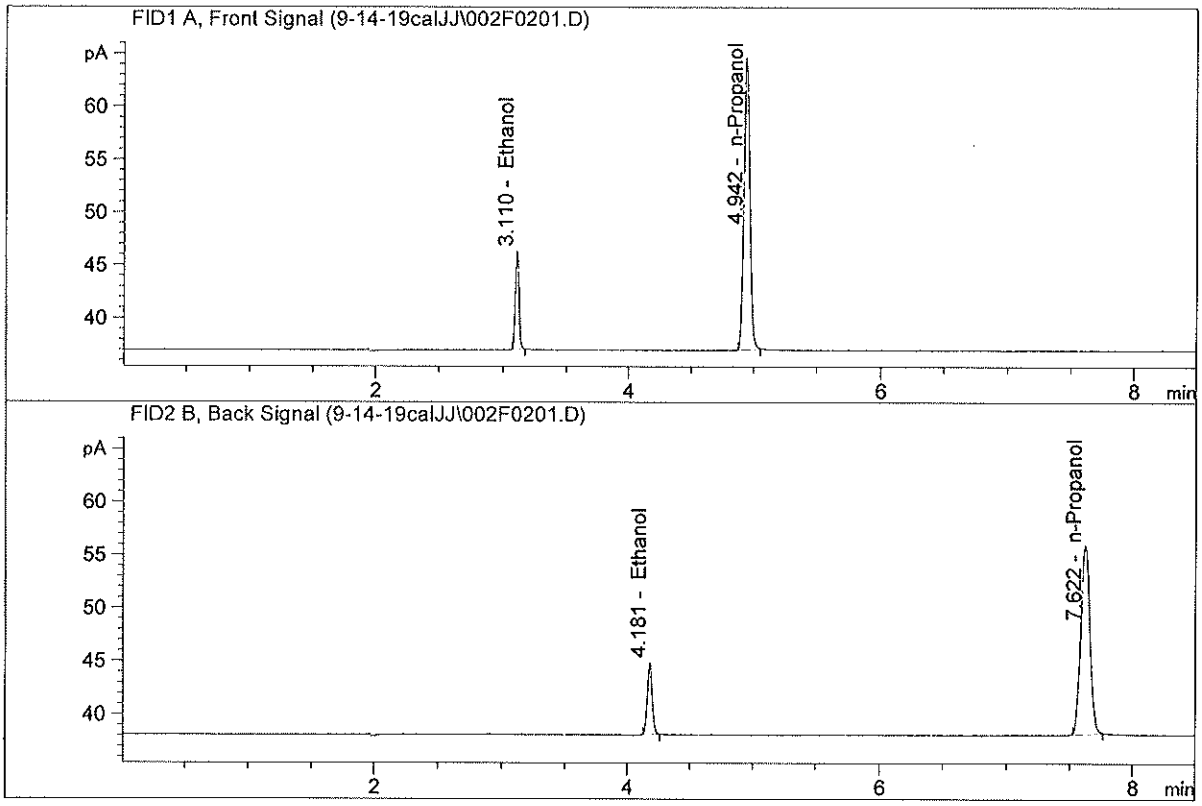


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.94314	0.0497	g/100cc
2.	Ethanol	Column 2:	9.03131	0.0497	g/100cc
3.	n-Propanol	Column 1:	89.31628	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.19125	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

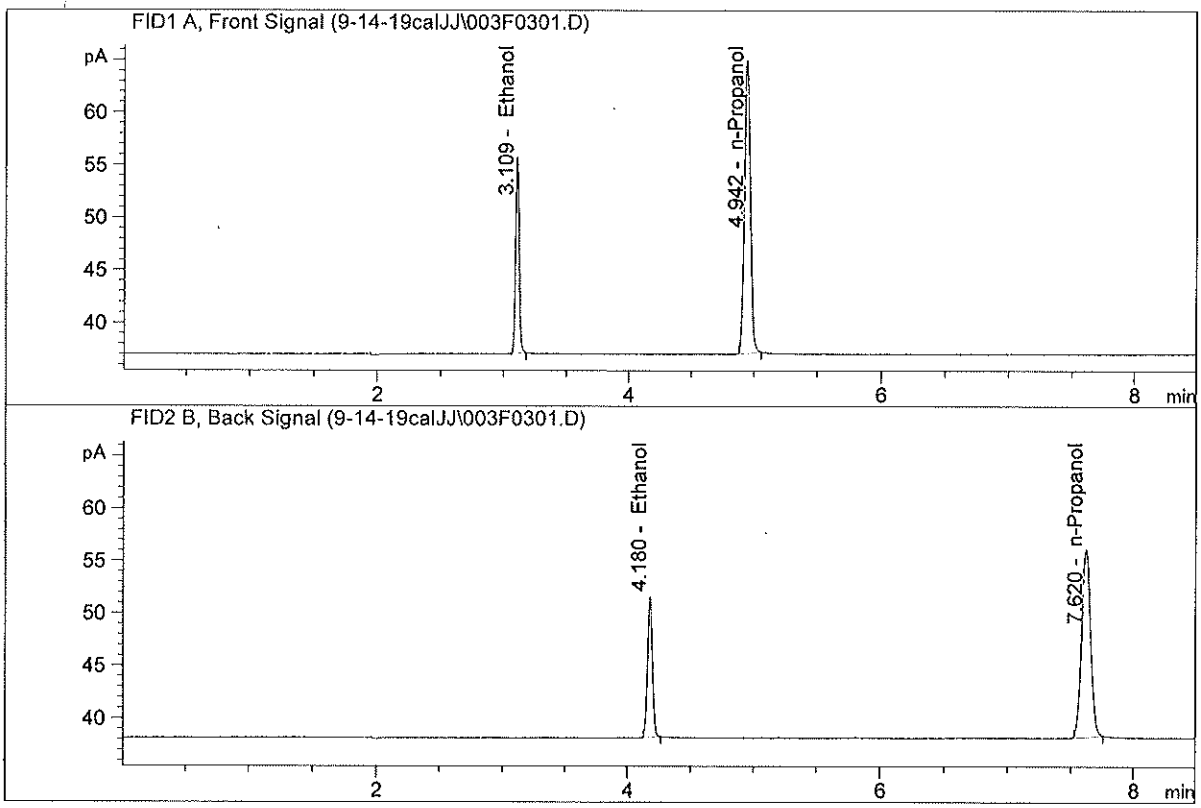


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.23612	0.0995	g/100cc
2.	Ethanol	Column 2:	18.42190	0.0997	g/100cc
3.	n-Propanol	Column 1:	90.96265	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.68879	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

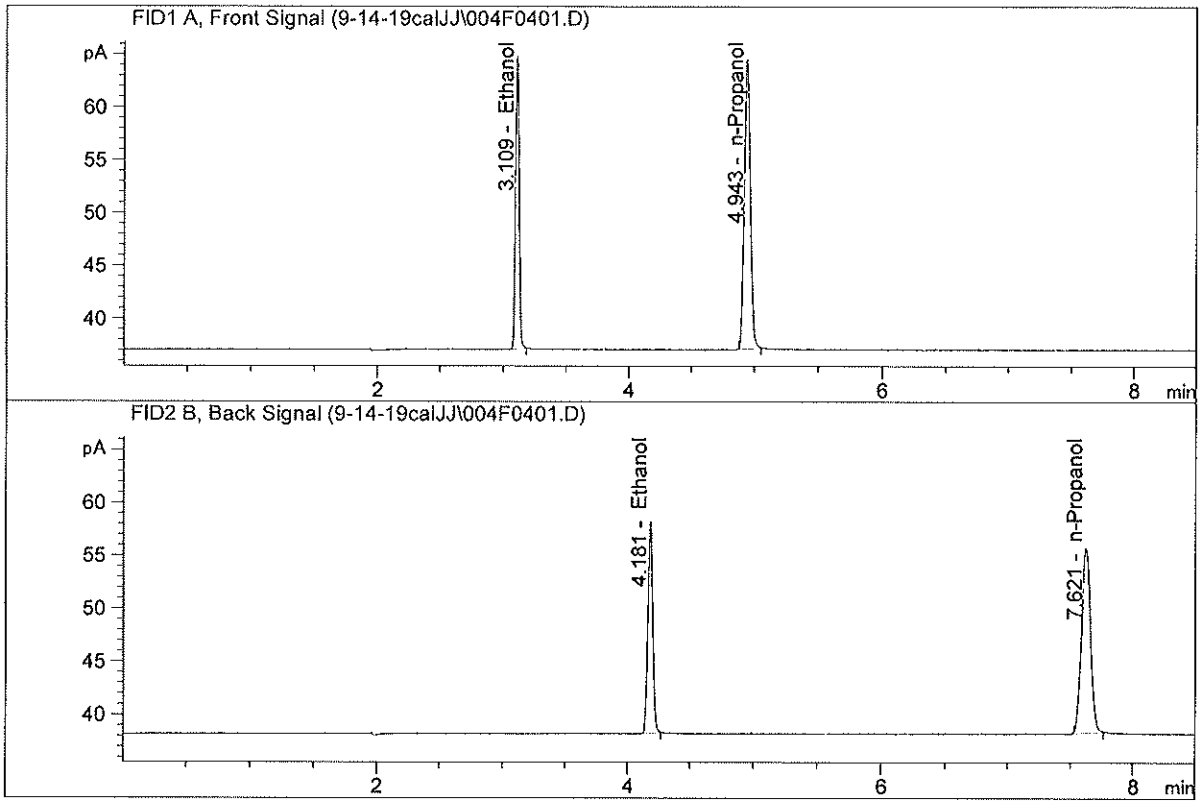
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.59272	0.1981	g/100cc
2.	Ethanol	Column 2:	36.80598	0.1983	g/100cc
3.	n-Propanol	Column 1:	91.69036	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.09338	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

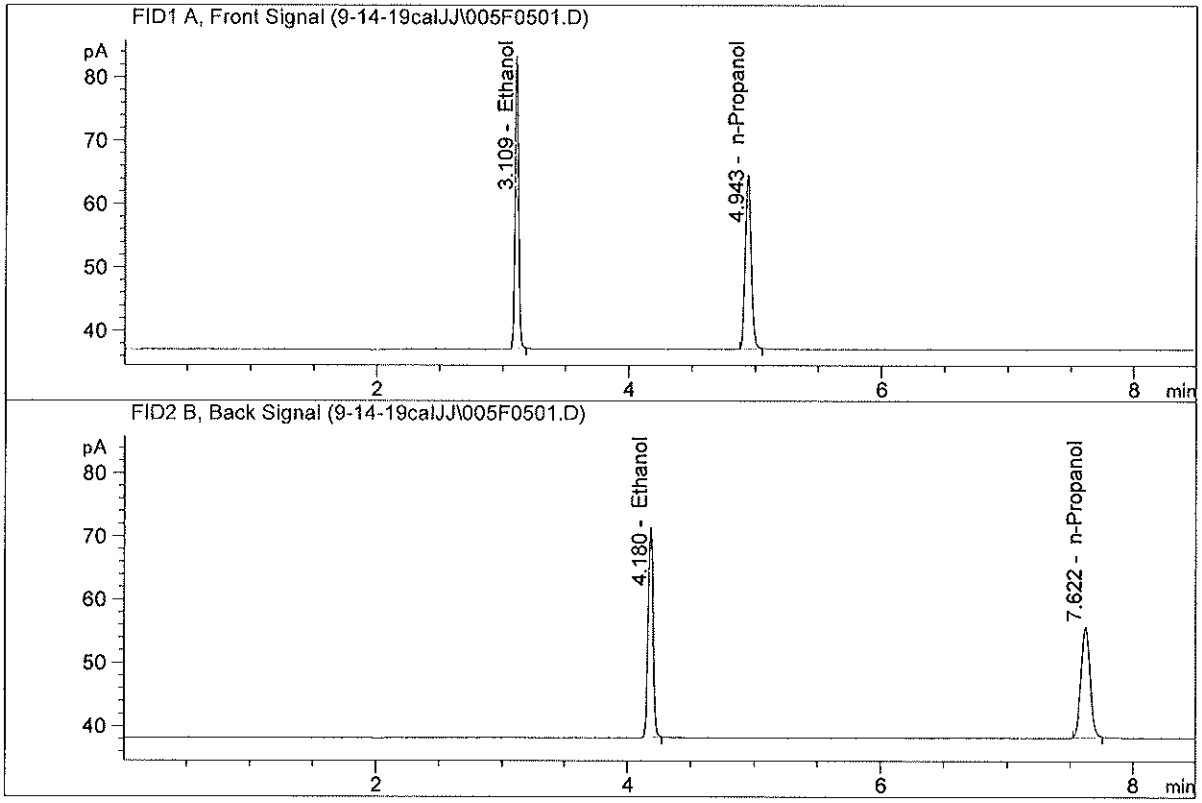
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	54.35682	0.3002	g/100cc
2.	Ethanol	Column 2:	54.49846	0.2996	g/100cc
3.	n-Propanol	Column 1:	89.89747	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.27121	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

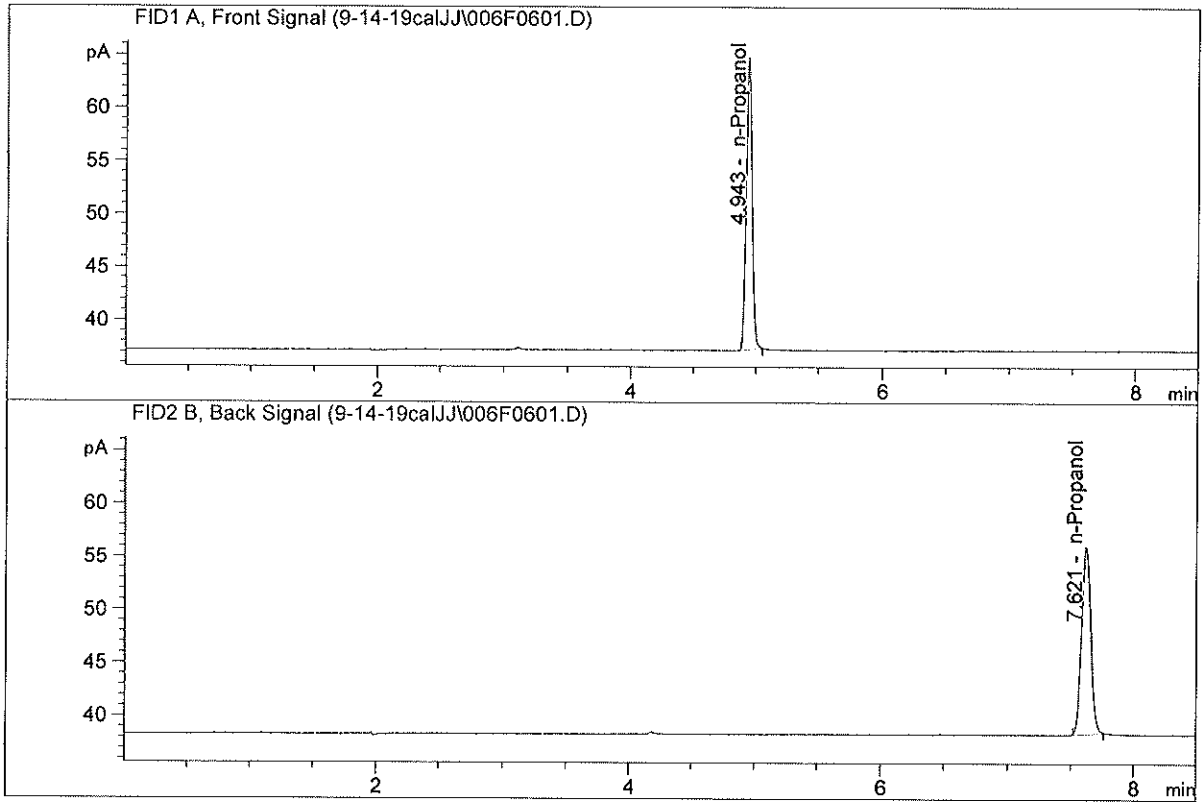
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	90.55207	0.5008	g/100cc
2.	Ethanol	Column 2:	90.82556	0.5010	g/100cc
3.	n-Propanol	Column 1:	89.75942	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.98808	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

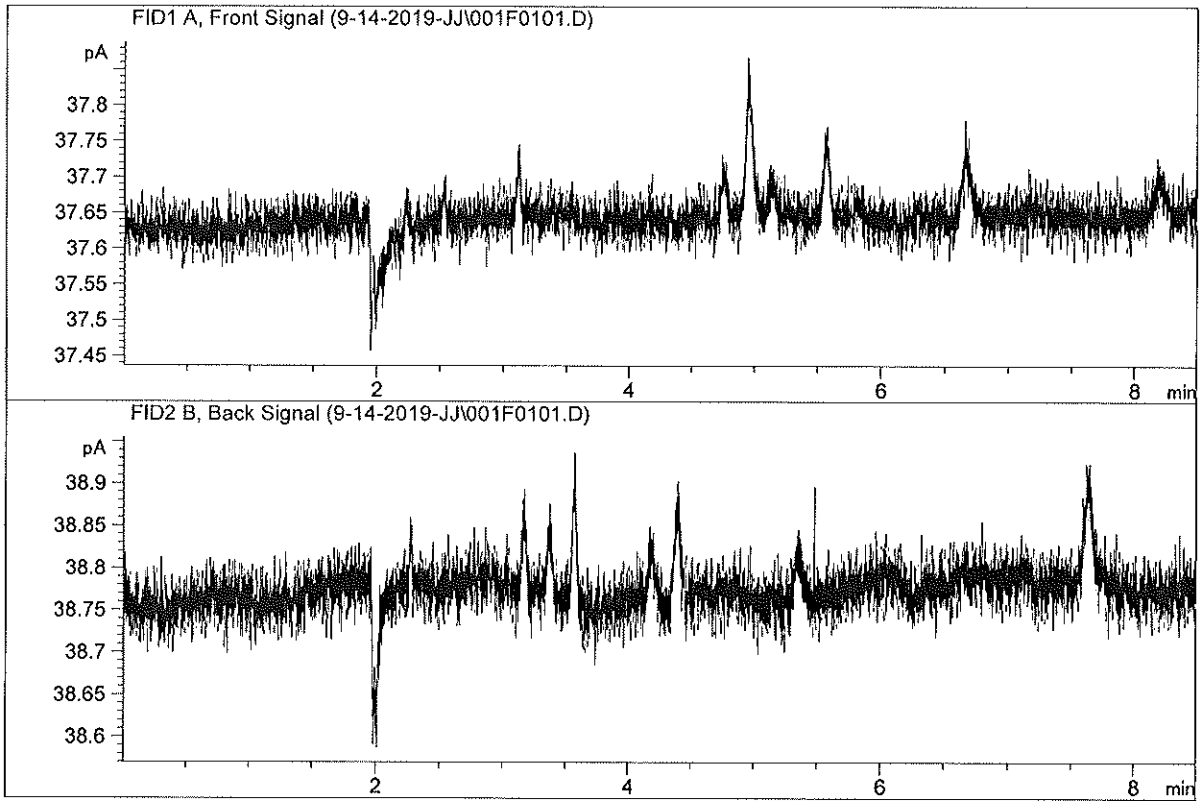


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	90.38414	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.24825	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

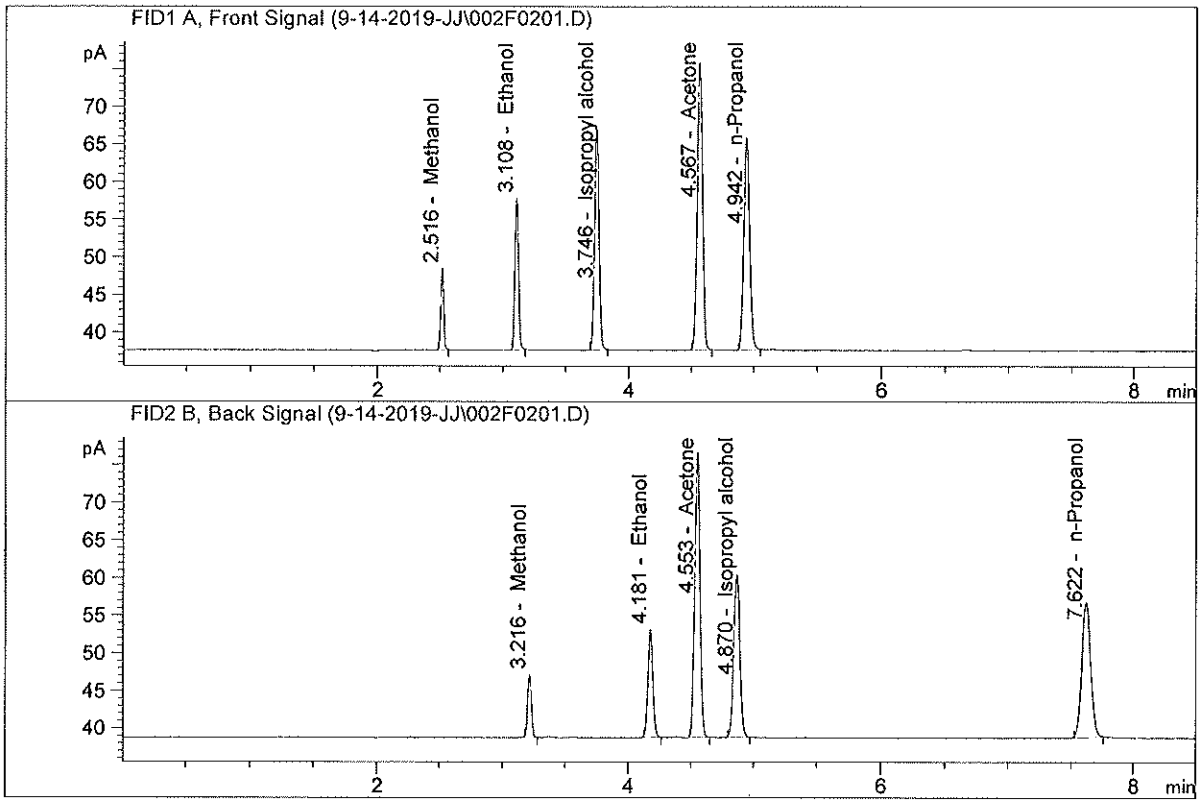
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

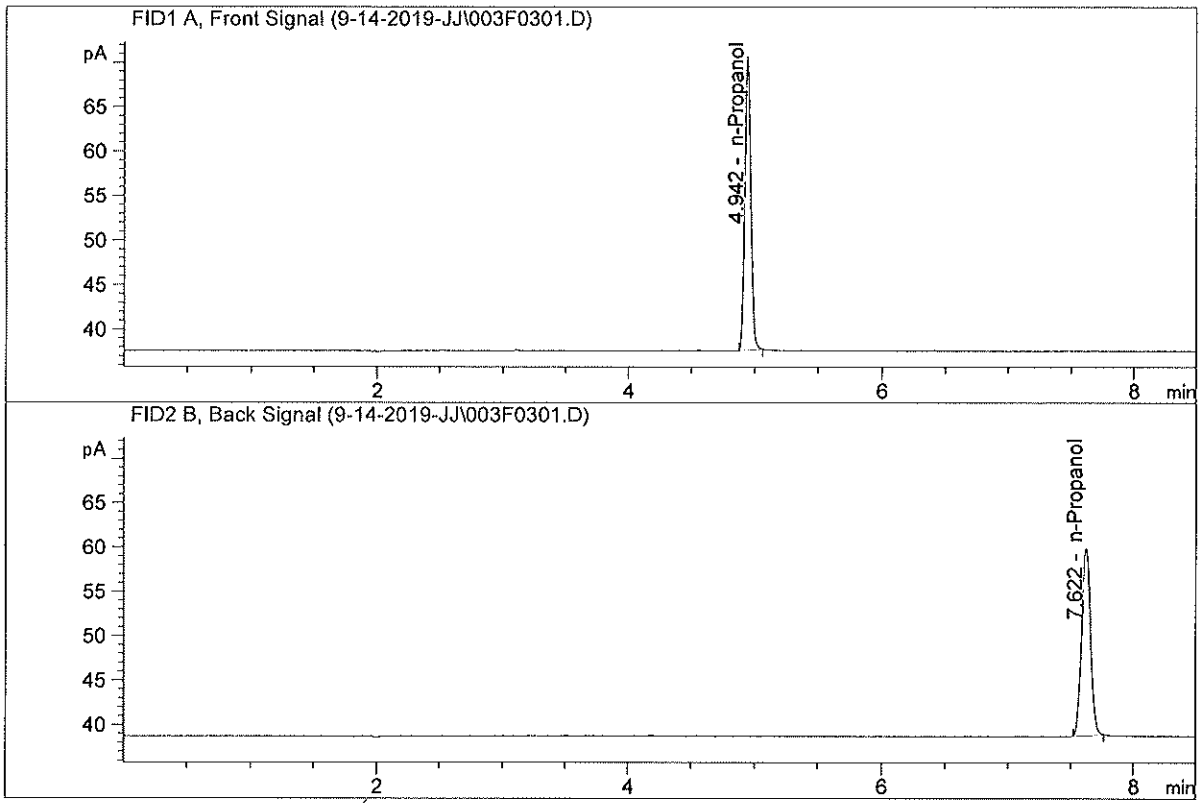
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	39.53624	0.2136	g/100cc
2.	Ethanol	Column 2:	39.54076	0.2125	g/100cc
3.	n-Propanol	Column 1:	91.87672	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.29430	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	108.05569	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.69535	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 14 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0774	0.0771	0.0003	0.0772	0.0771	
(g/100cc)	0.0770	0.0769	0.0001	0.0769		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11379

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

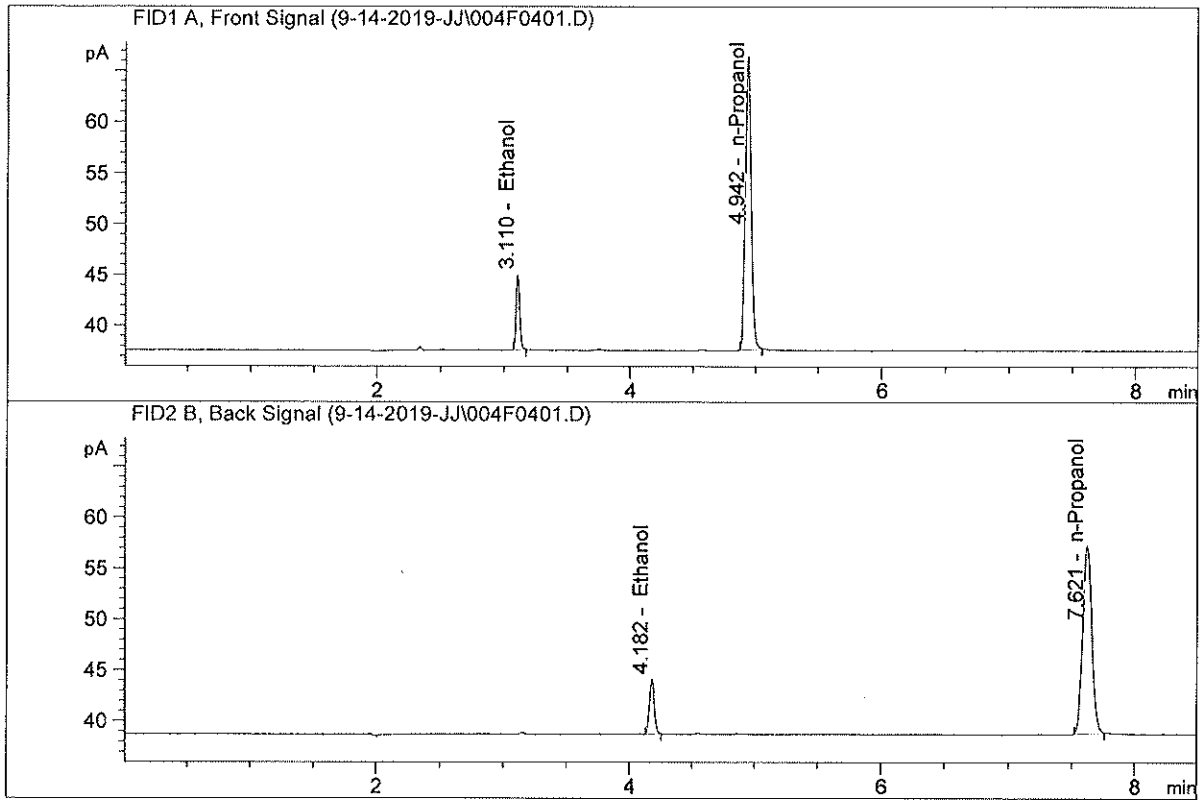
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

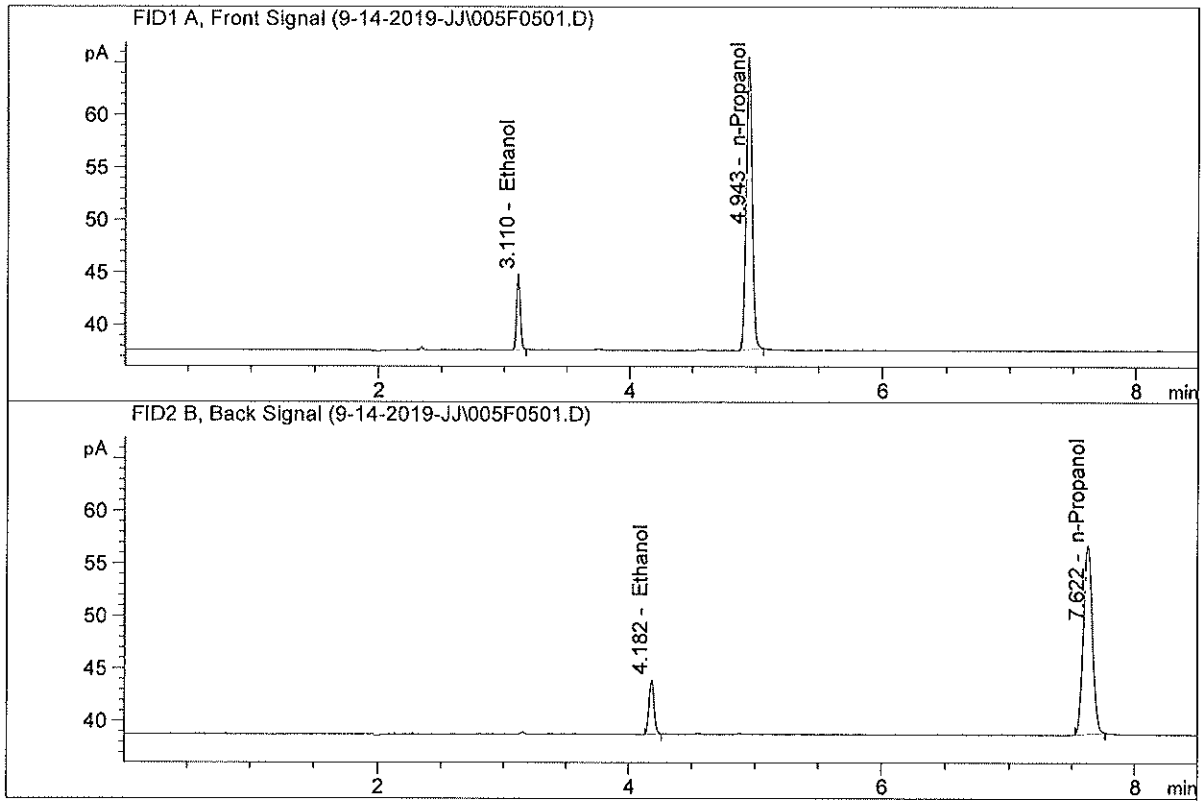
Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.70107	0.0774	g/100cc
2.	Ethanol	Column 2:	14.76024	0.0771	g/100cc
3.	n-Propanol	Column 1:	94.28837	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.91330	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.22600	0.0770	g/100cc
2.	Ethanol	Column 2:	14.25078	0.0769	g/100cc
3.	n-Propanol	Column 1:	91.65781	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.98331	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 14 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0794	0.0792	0.0002	0.0793	0.0788	
(g/100cc)	0.0786	0.0783	0.0003	0.0784		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11379

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

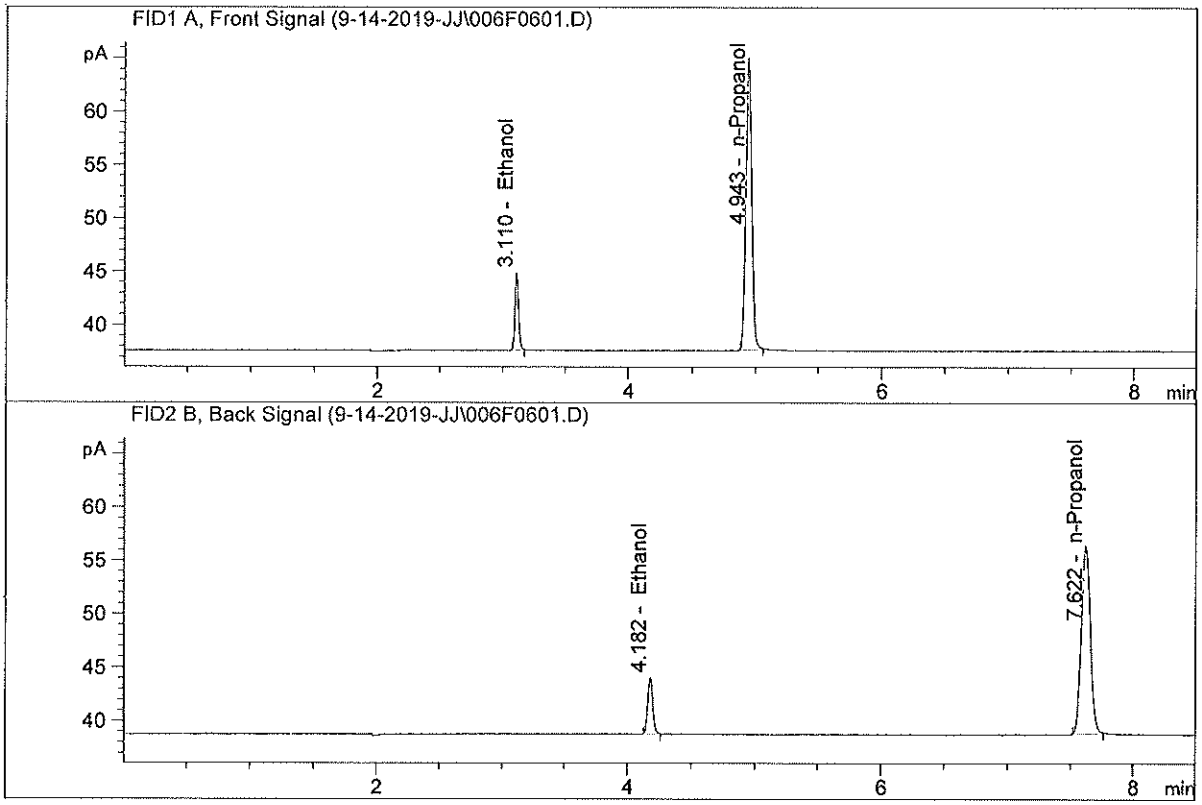
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

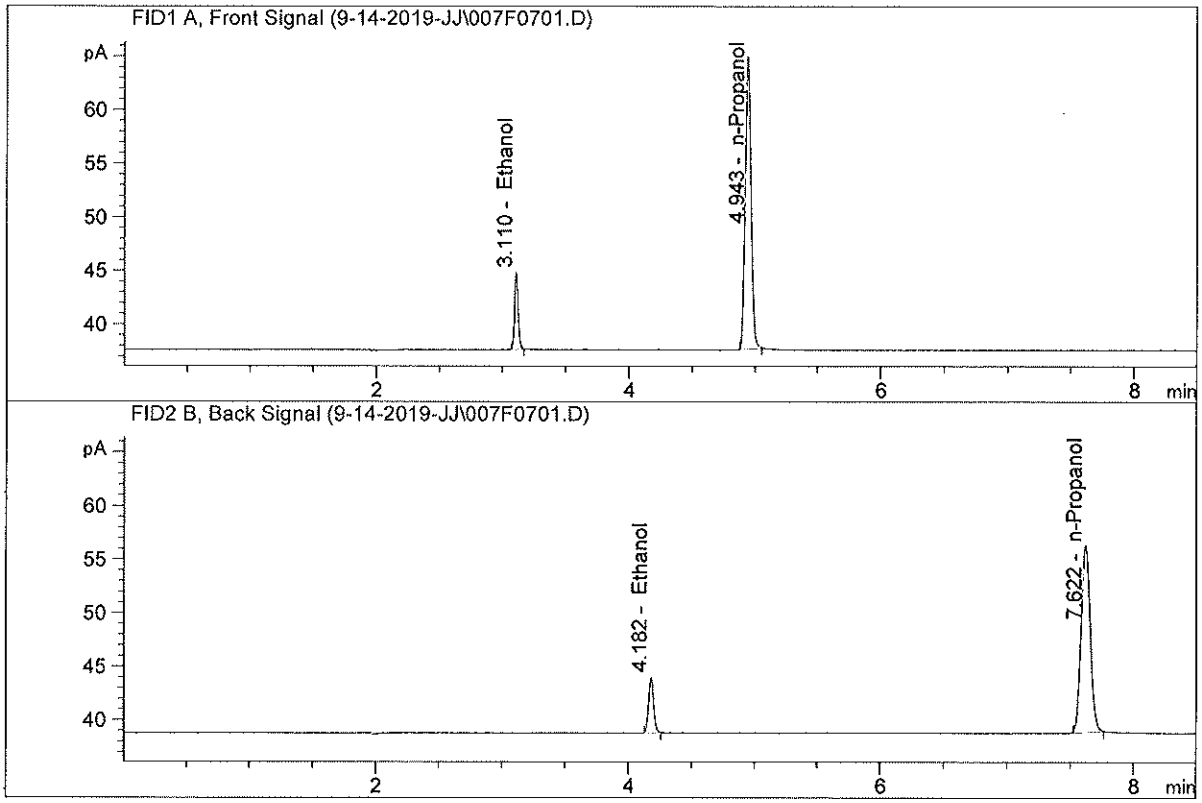


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.37923	0.0794	g/100cc
2.	Ethanol	Column 2:	14.45036	0.0792	g/100cc
3.	n-Propanol	Column 1:	89.94955	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.51218	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.19707	0.0786	g/100cc
2.	Ethanol	Column 2:	14.25602	0.0783	g/100cc
3.	n-Propanol	Column 1:	89.61896	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.36349	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 14 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1922	0.1927	0.0005	0.1924	0.1940	
(g/100cc)	0.1956	0.1955	0.0001	0.1955		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11379

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

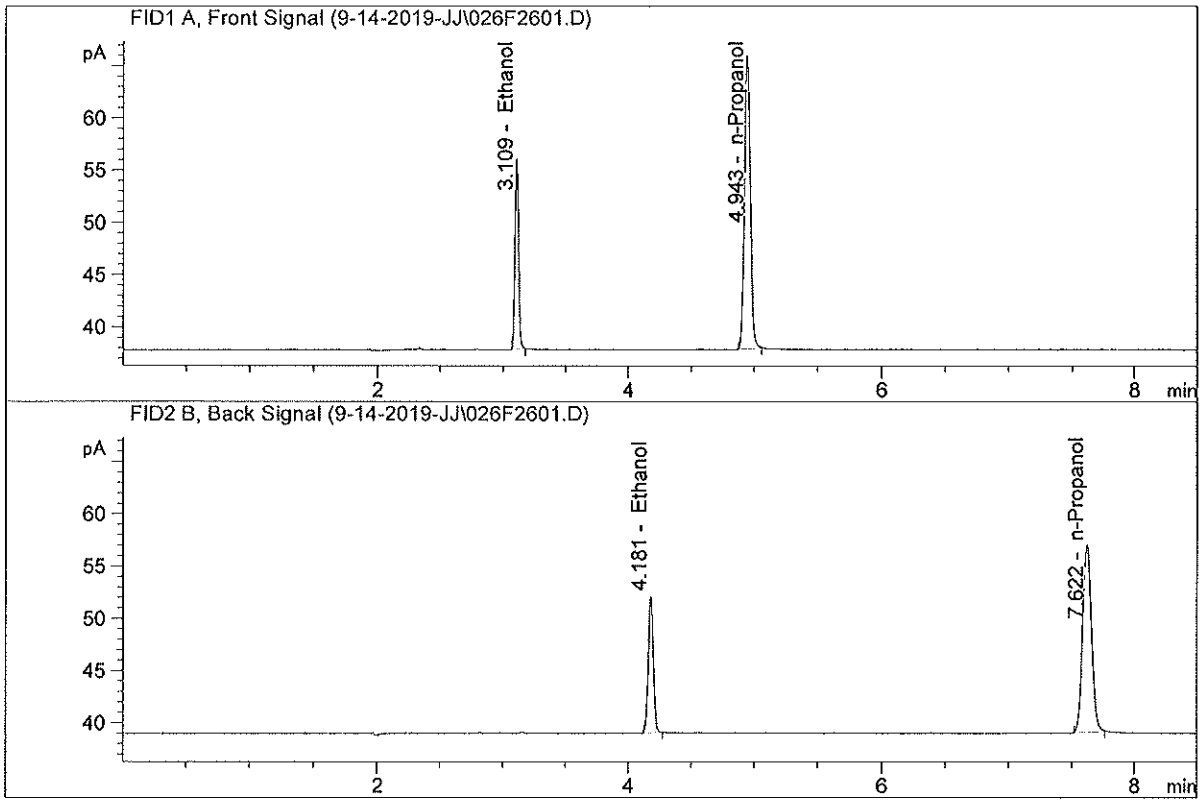
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	**0.184**	**0.204**	**0.010**

	Reported Result	
	0.194	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

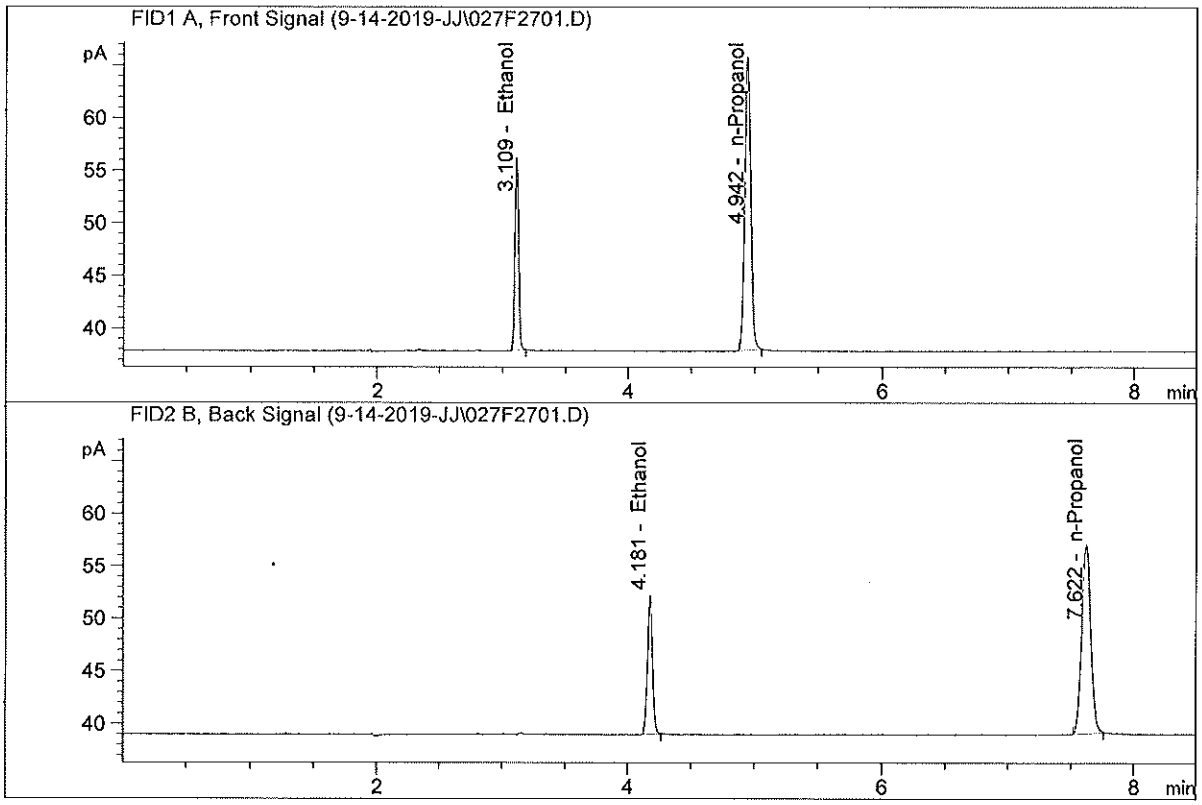


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	35.70574	0.1922	g/100cc
2.	Ethanol	Column 2:	35.95156	0.1927	g/100cc
3.	n-Propanol	Column 1:	92.20890	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.52593	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.06511	0.1956	g/100cc
2.	Ethanol	Column 2:	36.22316	0.1955	g/100cc
3.	n-Propanol	Column 1:	91.54824	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.93301	1.0000	g/100cc

99

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(2) **Analysis Date(s): 14 Sep 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0776	0.0775	0.0001	0.0775	0.0778	
(g/100cc)	0.0781	0.0780	0.0001	0.0780		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: ML600HC11379

Reporting of Results **Uncertainty of Measurement (UM%): 5.00%**

Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	**0.073**	**0.081**	**0.004**

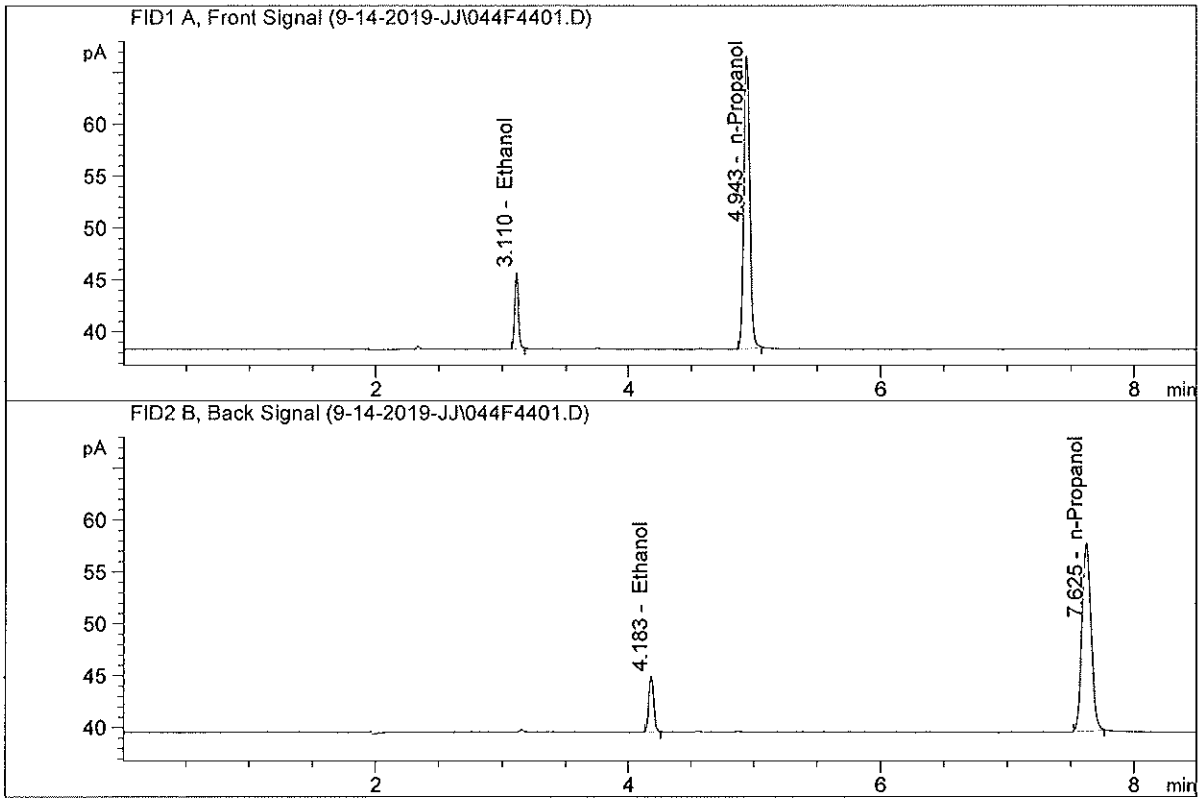
Reported Result

0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

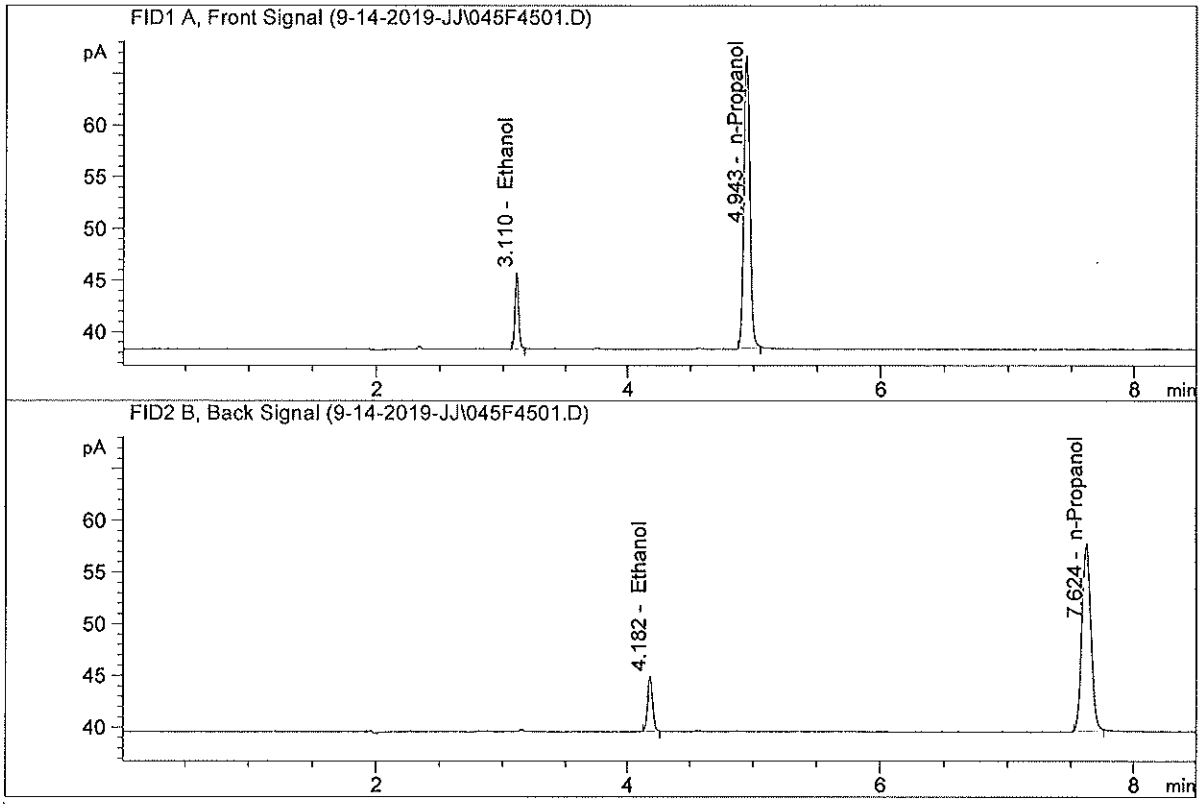


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.56024	0.0776	g/100cc
2.	Ethanol	Column 2:	14.59188	0.0775	g/100cc
3.	n-Propanol	Column 1:	93.18578	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.41888	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

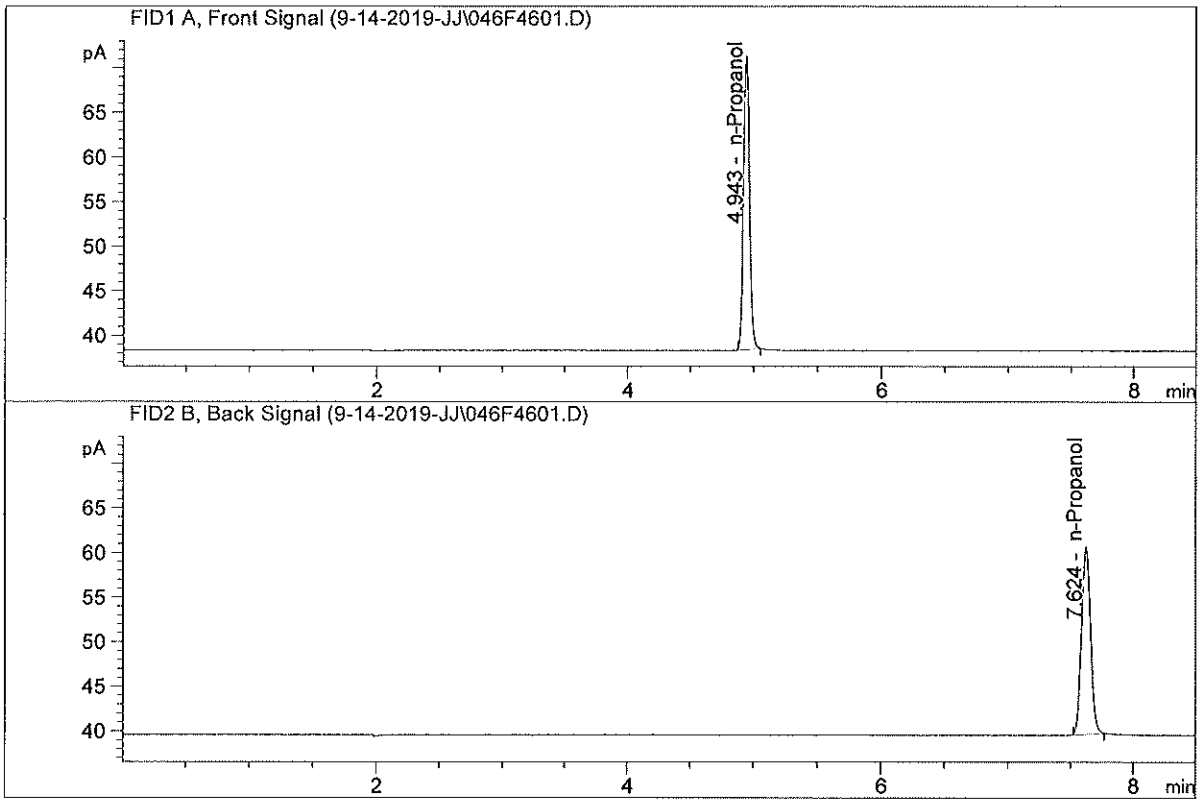
Sample Name : QC-1(2)-B
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.59645	0.0781	g/100cc
2.	Ethanol	Column 2:	14.63805	0.0780	g/100cc
3.	n-Propanol	Column 1:	92.78211	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.02724	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name	:	ISTD BLANK-2
Laboratory	:	Coeur d' Alene
Injection Date	:	Sep 14, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

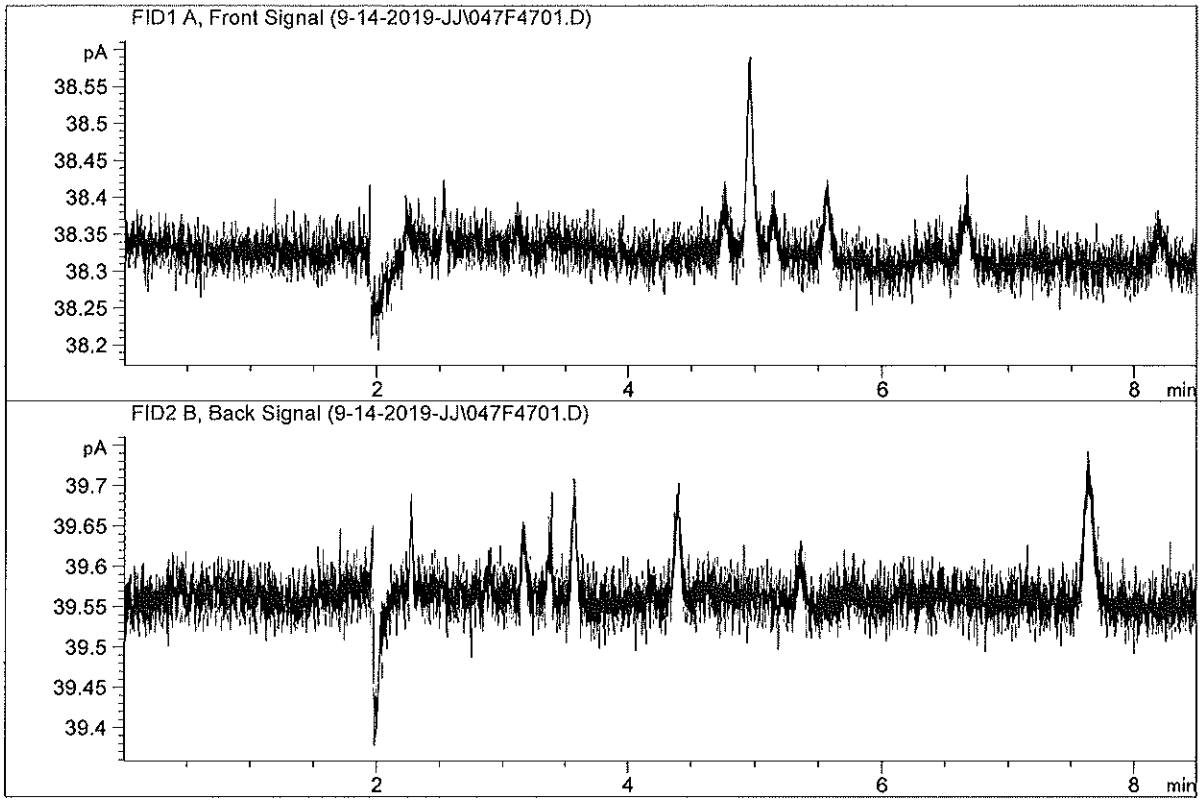


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	107.65827	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.17712	1.0000	g/100cc

97

ISP Forensic Services Blood Alcohol Report

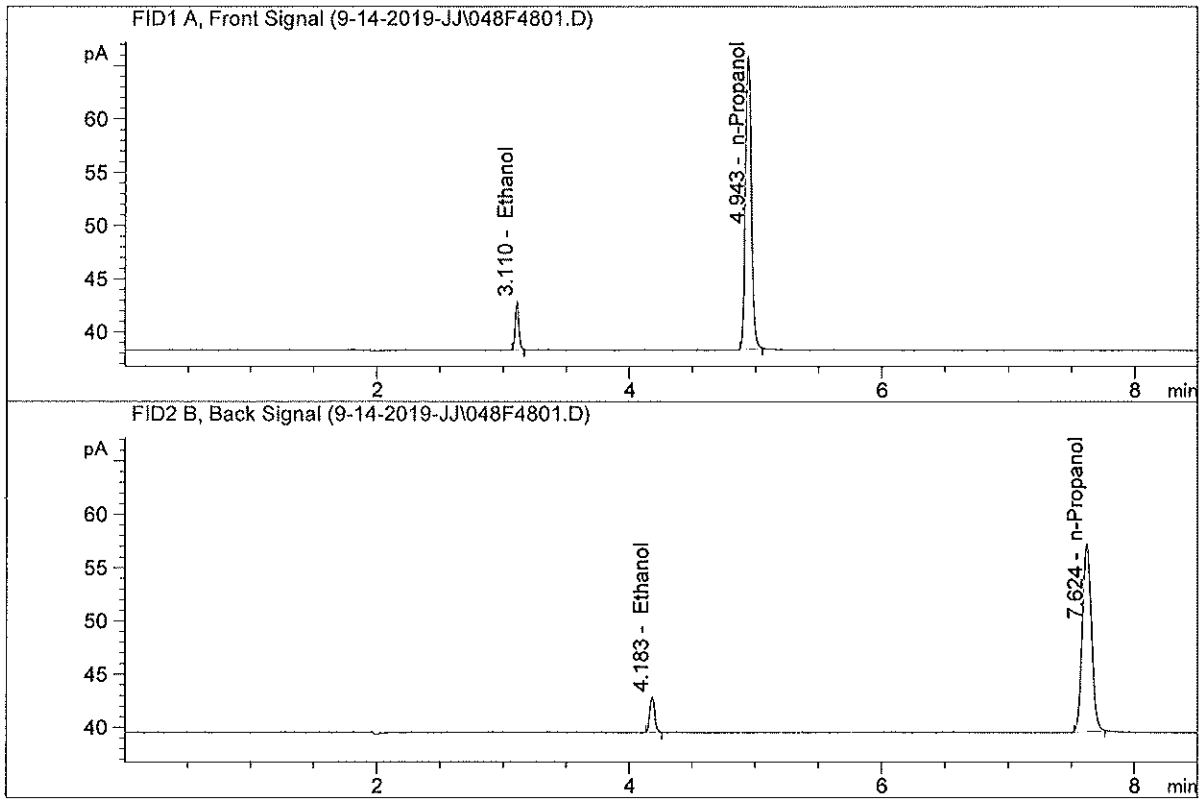
Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

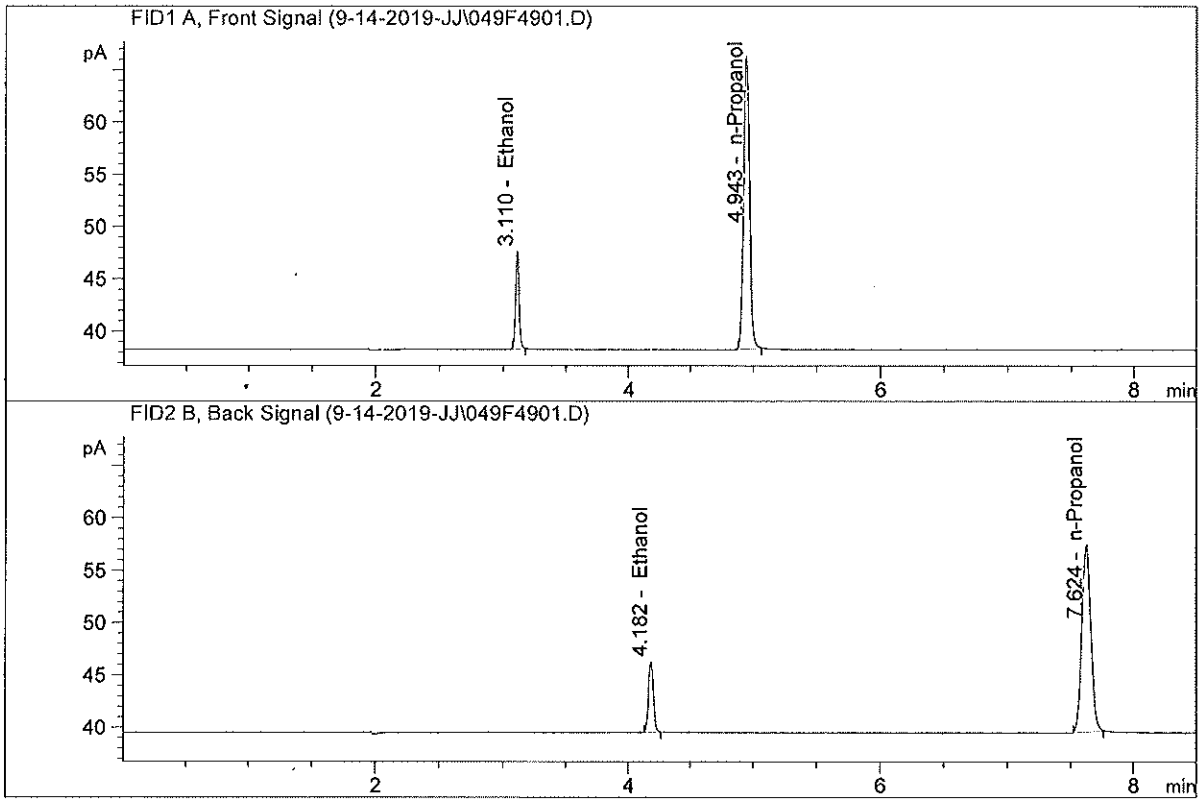


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.05068	0.0497	g/100cc
2.	Ethanol	Column 2:	9.16089	0.0499	g/100cc
3.	n-Propanol	Column 1:	90.48098	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.01839	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

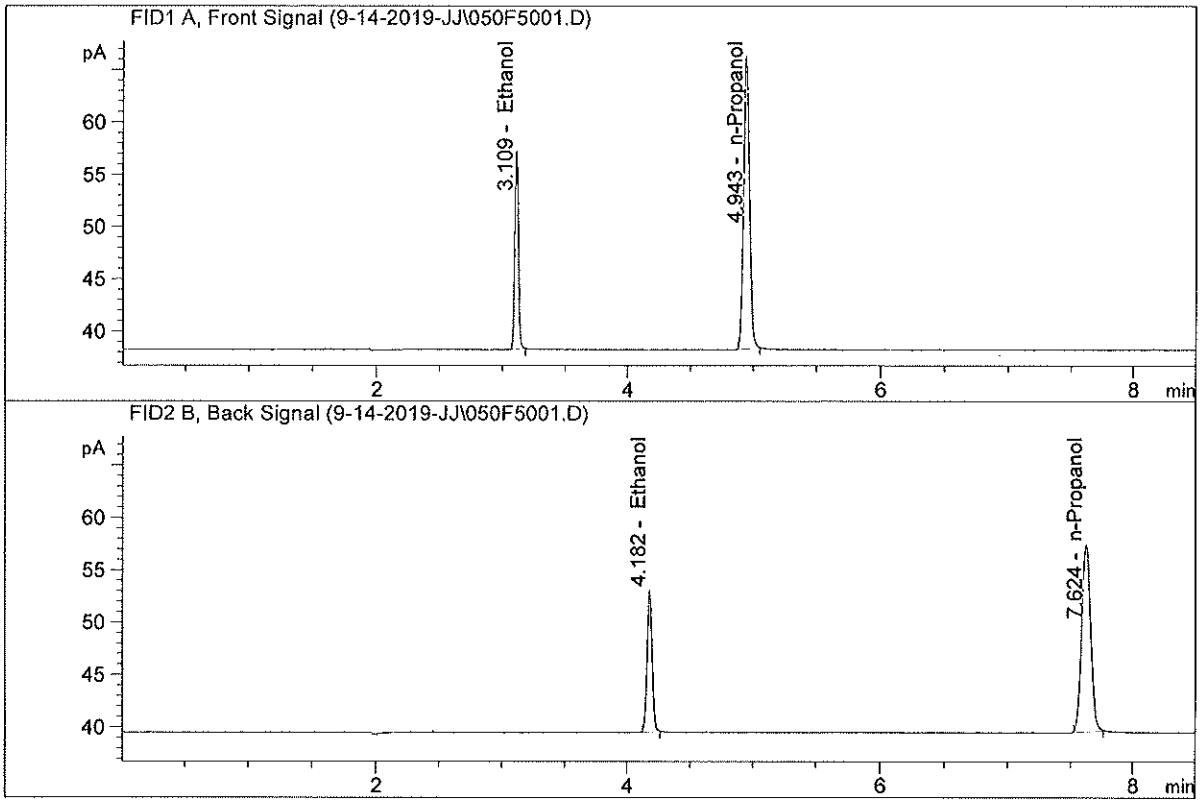
Sample Name : 0.100 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.45803	0.0997	g/100cc
2.	Ethanol	Column 2:	18.50455	0.0997	g/100cc
3.	n-Propanol	Column 1:	91.91959	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.09060	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

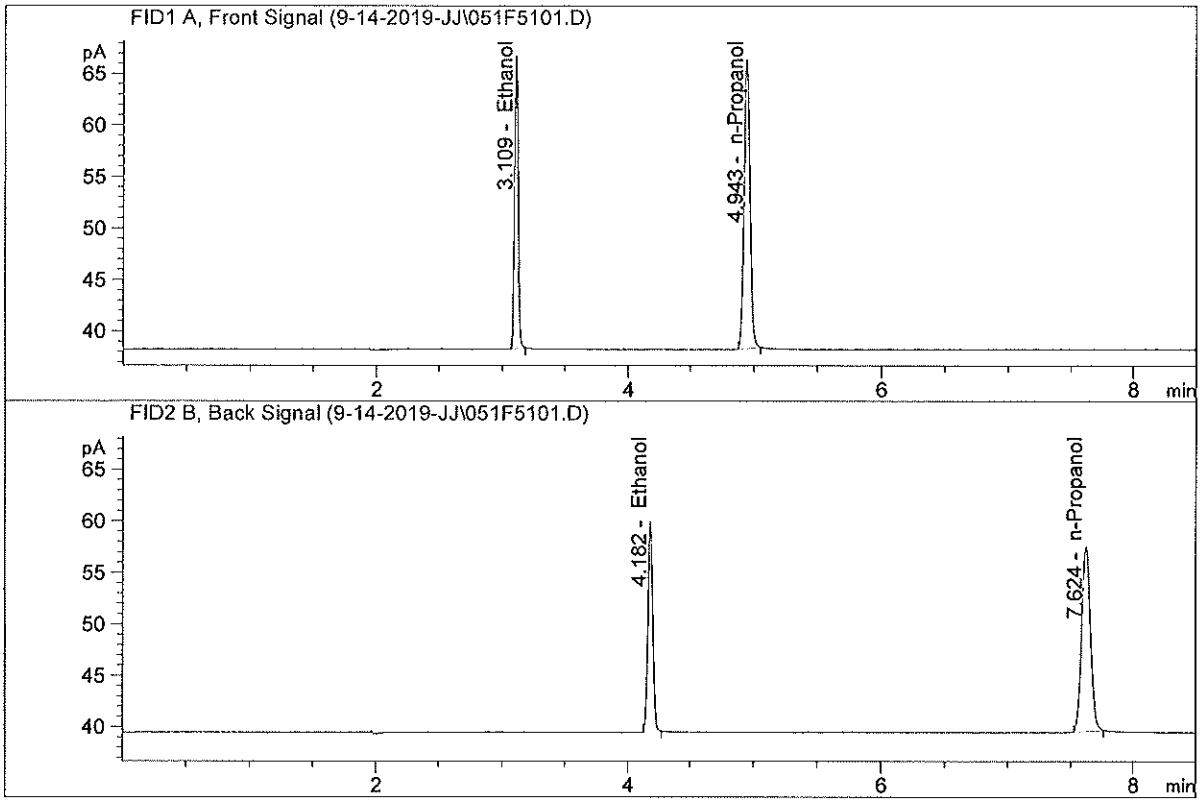
Sample Name : 0.200 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.17043	0.2008	g/100cc
2.	Ethanol	Column 2:	37.23721	0.2003	g/100cc
3.	n-Propanol	Column 1:	91.88186	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.23151	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

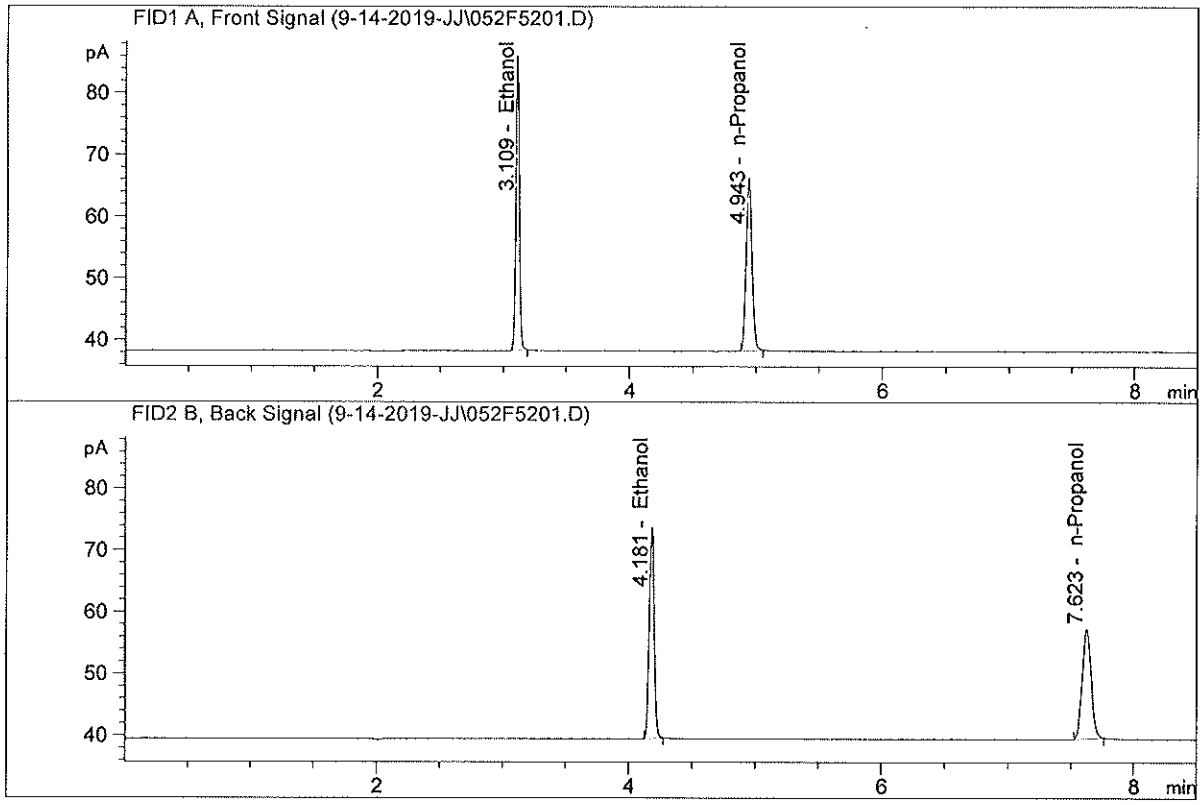


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.81475	0.3007	g/100cc
2.	Ethanol	Column 2:	56.04464	0.3009	g/100cc
3.	n-Propanol	Column 1:	92.13757	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.41170	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Sep 14, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.15310	0.5043	g/100cc
2.	Ethanol	Column 2:	93.49624	0.5068	g/100cc
3.	n-Propanol	Column 1:	91.69748	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.52929	1.0000	g/100cc

99