REVIEWED
By Galina Giso at 12:50 pm, Dec 21, 2020

12/18/2020

Worklist: 4683

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-2473	1	BCK	Alcohol Analysis
C2020-2490	1	BCK	Alcohol Analysis
C2020-2522	1	BCK	Alcohol Analysis
P2020-3583	1	BCK	Alcohol Analysis
P2020-3585	1	BCK	Alcohol Analysis
P2020-3586	1	BCK	Alcohol Analysis
P2020-3593	1	BCK	Alcohol Analysis
P2020-3608	1	BCK	Alcohol Analysis
P2020-3623	1	BCK	Alcohol Analysis
P2020-3635	1	BCK	Alcohol Analysis
P2020-3636	1	BCK	Alcohol Analysis
P2020-3645	1	BCK	Alcohol Analysis
P2020-3652	1	BCK	Alcohol Analysis
P2020-3658	1	BCK	Alcohol Analysis
P2020-3669	1	BCK	Alcohol Analysis
P2020-3671	1	BCK	Alcohol Analysis
P2020-3673	1	BCK	Alcohol Analysis
P2020-3686	1	BCK	Alcohol Analysis
P2020-3688	1	BCK	Alcohol Analysis
P2020-3699	4	BCK	Alcohol Analysis
P2020-3700	1	BCK	Alcohol Analysis

Worklist: 4683

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-3722	1	BCK	Alcohol Analysis

AWO

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 12-17-20**

worklist #4683

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0772 g/100cc
					0.0780 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1977 g/100cc
					0.1990 g/100cc
					g/100cc
Multi-Component mixture:		**Jul-22**	**Lot #**	FN07101701	OK
Curve Fit:		**Column 1**	0.99999	**Column2**	0.99996

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0503	0.0495	0.0008	0.0499
100	0.100	0.090 - 0.110	0.0987	0.0969	0.0018	0.0978
200	0.200	0.180 - 0.220	0.1992	0.1969	0.0023	0.198
300	0.300	0.270 - 0.330	0.2978	0.2981	0.0003	0.2979
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5018	0.5031	0.0013	0.5024

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.12.2020_08.52.54\12-17-2020cal.S

Sample Summary

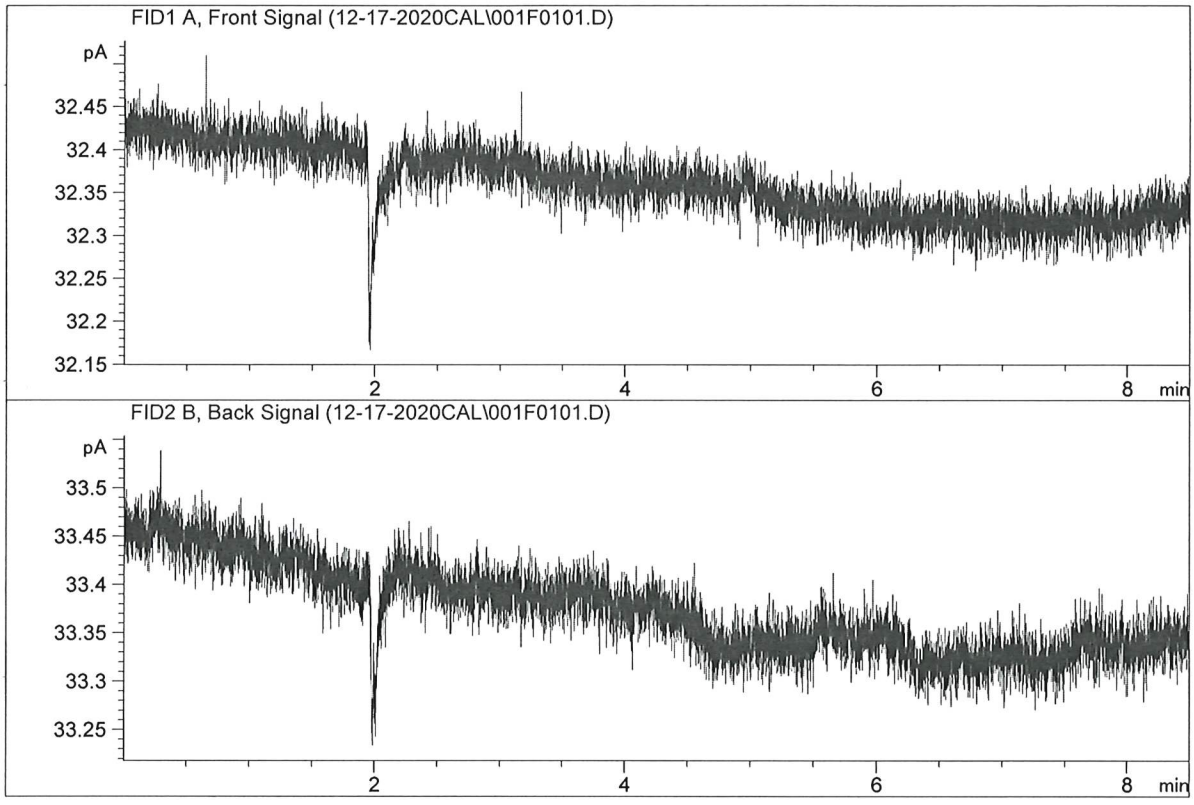
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.12.2020_08.52.54\12-17-2020cal.S
Data directory path: C:\Chem32\1\Data\12-17-2020CAL
Logbook: C:\Chem32\1\Data\12-17-2020CAL\12-17-2020cal.LOG
Sequence start: 12/17/2020 9:06:37 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	WATER	-	1.0000	001F0101.D		0
2	2	1	0.05	-	1.0000	002F0201.D	*	4
3	3	1	0.100	-	1.0000	003F0301.D	*	4
4	4	1	0.200	-	1.0000	004F0401.D	*	4
5	5	1	0.300	-	1.0000	005F0501.D	*	4
6	6	1	0.500	-	1.0000	006F0601.D	*	4
7	7	1	ISTD BLANK	-	1.0000	007F0701.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

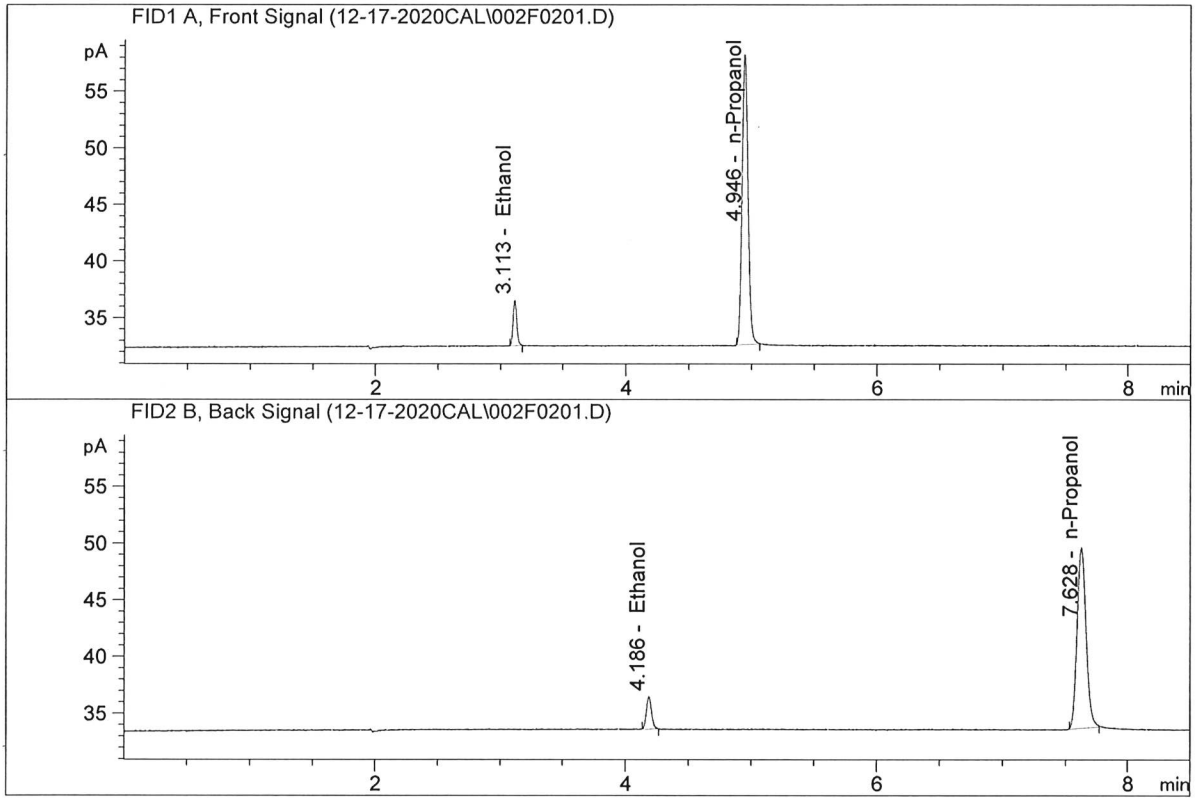


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

INT

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

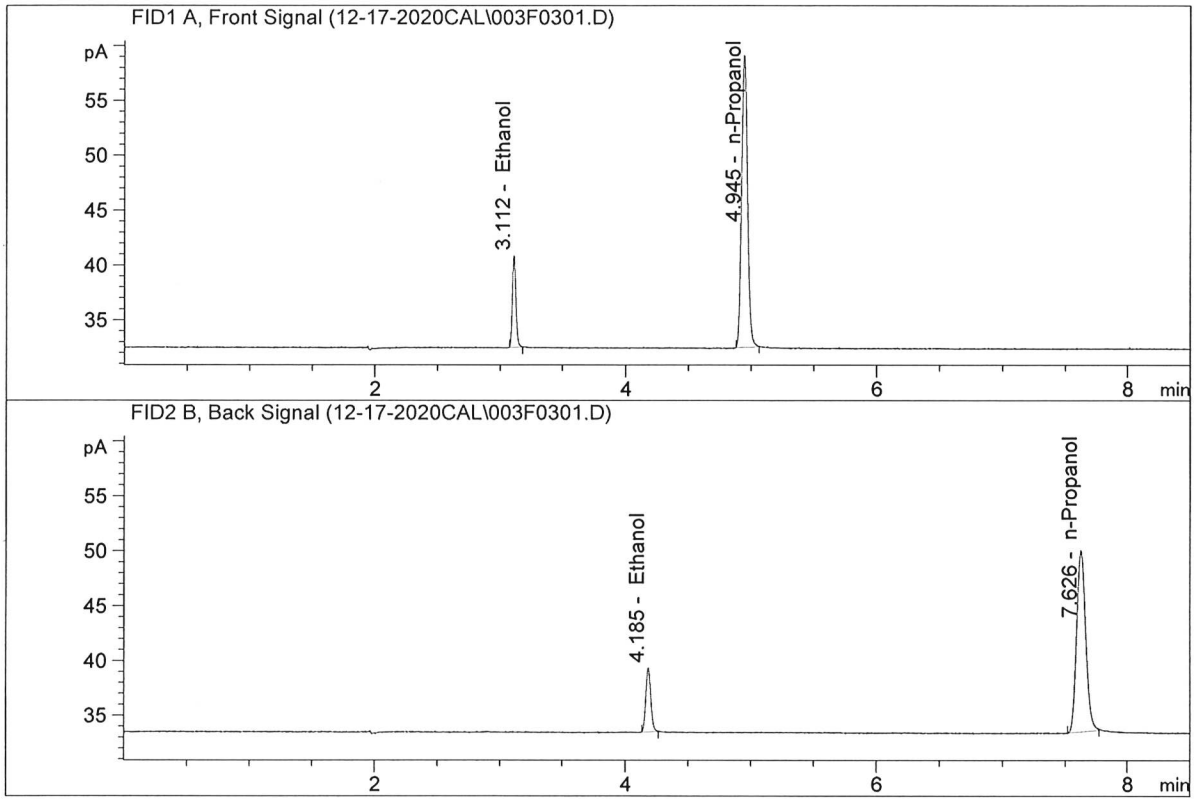


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.17190	0.0503	g/100cc
2.	Ethanol	Column 2:	8.09538	0.0495	g/100cc
3.	n-Propanol	Column 1:	84.08102	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.67980	1.0000	g/100cc

INV

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

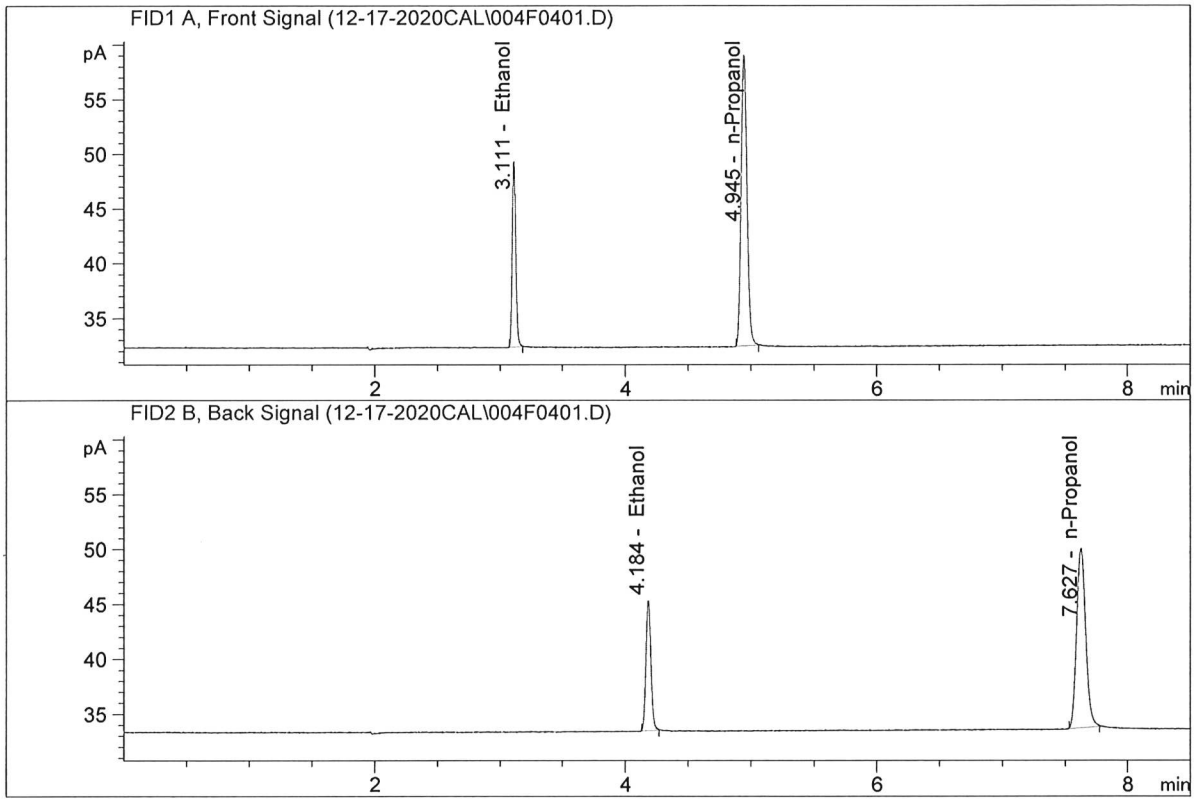


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.68222	0.0987	g/100cc
2.	Ethanol	Column 2:	16.41163	0.0969	g/100cc
3.	n-Propanol	Column 1:	87.57809	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.55464	1.0000	g/100cc

INV

ISP Forensic Services Blood Alcohol Report

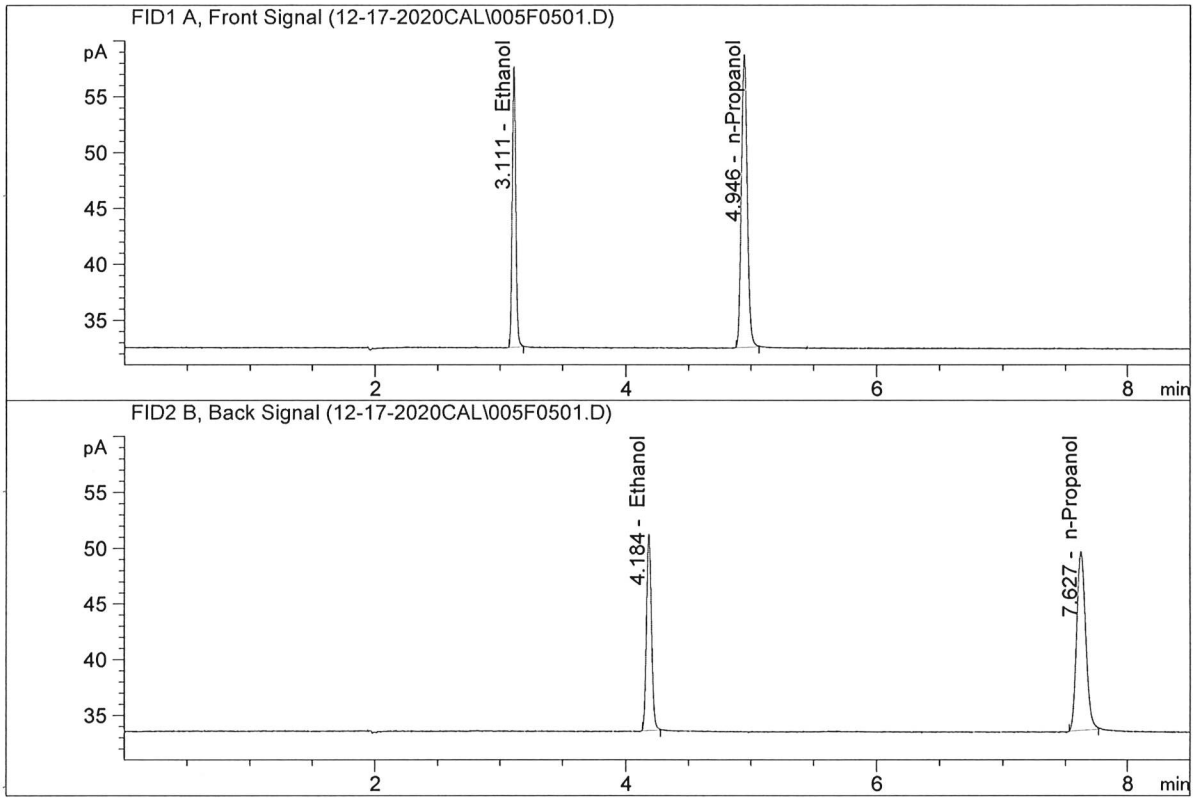
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.57933	0.1992	g/100cc
2.	Ethanol	Column 2:	33.20534	0.1969	g/100cc
3.	n-Propanol	Column 1:	87.29474	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.19801	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

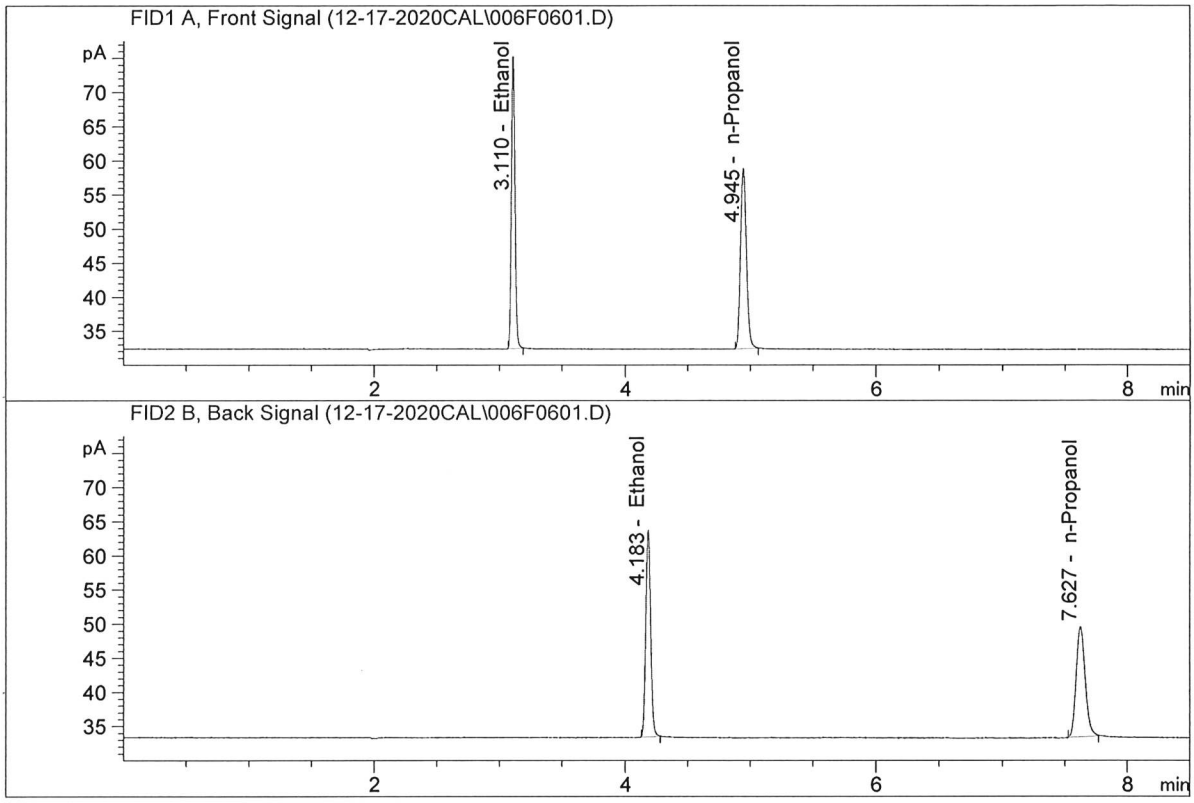


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	49.41758	0.2978	g/100cc
2.	Ethanol	Column 2:	48.99431	0.2981	g/100cc
3.	n-Propanol	Column 1:	85.92980	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.09208	1.0000	g/100cc

TNO

ISP Forensic Services Blood Alcohol Report

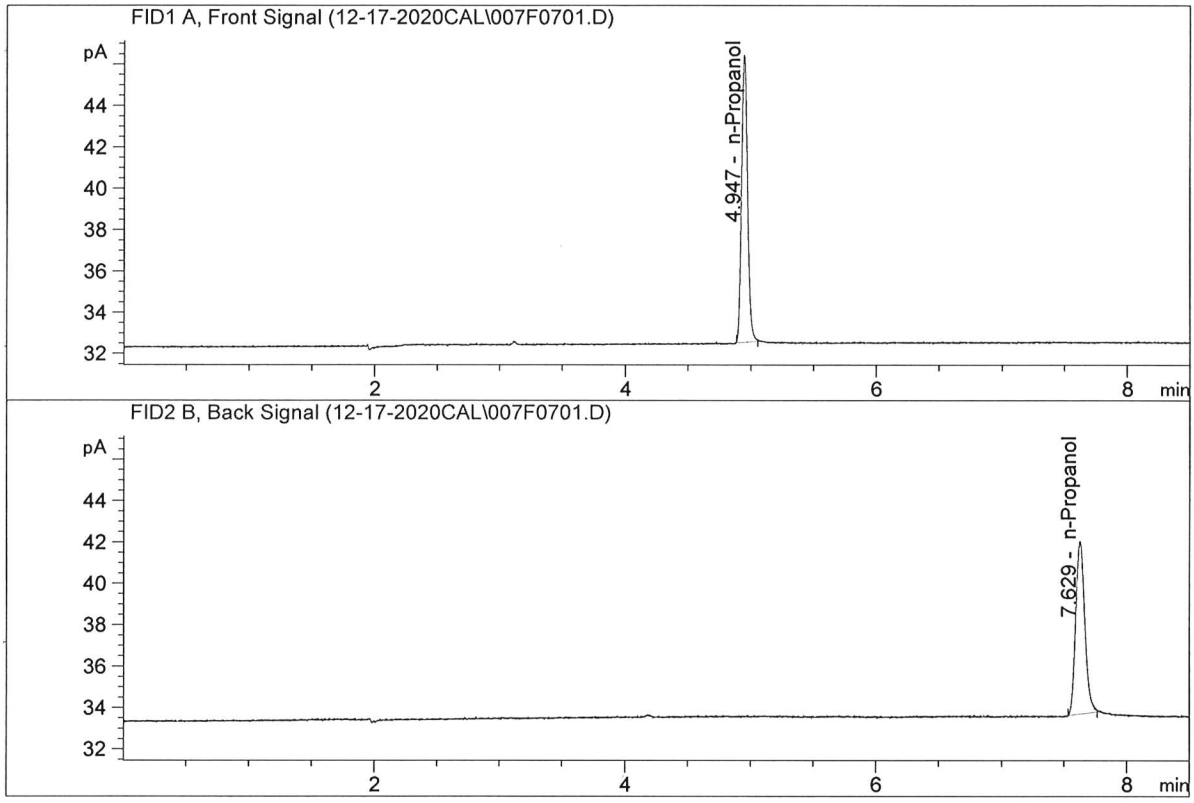
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	84.01797	0.5018	g/100cc
2.	Ethanol	Column 2:	83.39845	0.5031	g/100cc
3.	n-Propanol	Column 1:	86.70864	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.77821	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
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:	45.86823	1.0000	g/100cc
4.	n-Propanol	Column 2:	42.53161	1.0000	g/100cc

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, December 17, 2020 10:28:46 AM
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

END

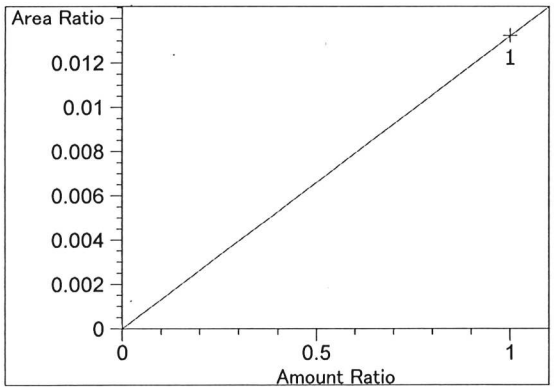
Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.165	2	1	1.00000	1.06794	9.36380e-1	No	No	2	Difluoroethane
2.213	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
3.110	1	1	5.00000e-2	8.17190	6.11853e-3	No	No	1	Ethanol
		2	1.00000e-1	16.68222	5.99441e-3				
		3	2.00000e-1	33.57933	5.95605e-3				
		4	3.00000e-1	49.41758	6.07071e-3				
		5	5.00000e-1	84.01797	5.95111e-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
4.183	2	1	5.00000e-2	8.09538	6.17636e-3	No	No	2	Ethanol
		2	1.00000e-1	16.41163	6.09324e-3				
		3	2.00000e-1	33.20534	6.02313e-3				
		4	3.00000e-1	48.99431	6.12316e-3				
		5	5.00000e-1	83.39845	5.99532e-3				
4.567	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.581	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.945	1	1	1.00000	84.08102	1.18933e-2	No	Yes	1	n-Propanol
		2	1.00000	87.57809	1.14184e-2				
		3	1.00000	87.29474	1.14554e-2				
		4	1.00000	85.92980	1.16374e-2				
		5	1.00000	86.70864	1.15329e-2				
7.627	2	1	1.00000	80.67980	1.23947e-2	No	Yes	2	n-Propanol
		2	1.00000	83.55464	1.19682e-2				
		3	1.00000	83.19801	1.20195e-2				
		4	1.00000	81.09208	1.23317e-2				
		5	1.00000	81.77821	1.22282e-2				

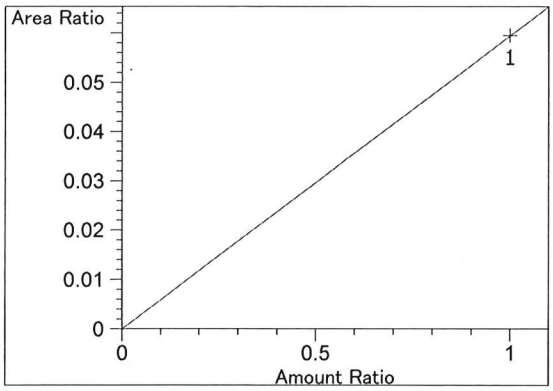
Peak Sum Table

No Entries in table

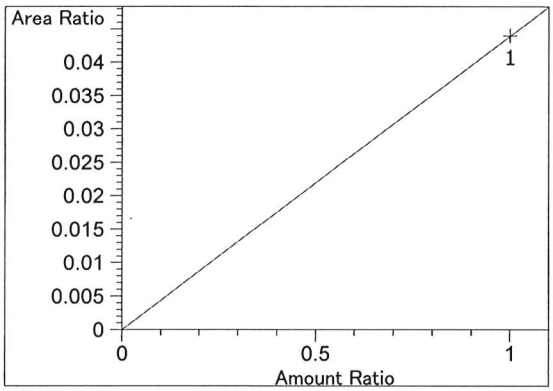
Calibration Curves



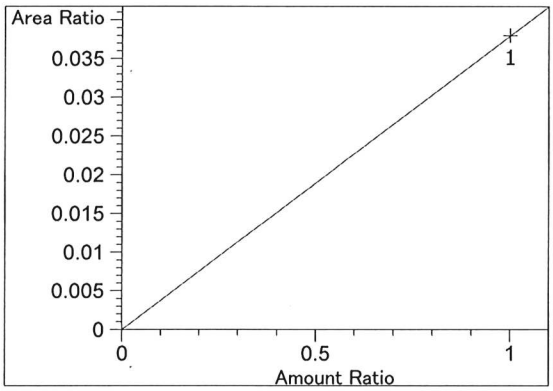
Difluoroethane at exp. RT: 2.165
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.32368e-2
x: Amount Ratio
y: Area Ratio



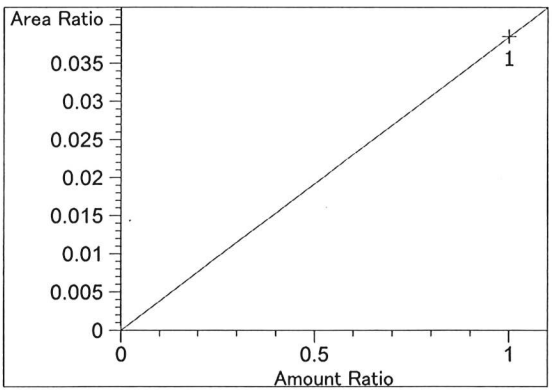
Difluoroethane at exp. RT: 2.213
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.94664e-2
x: Amount Ratio
y: Area Ratio



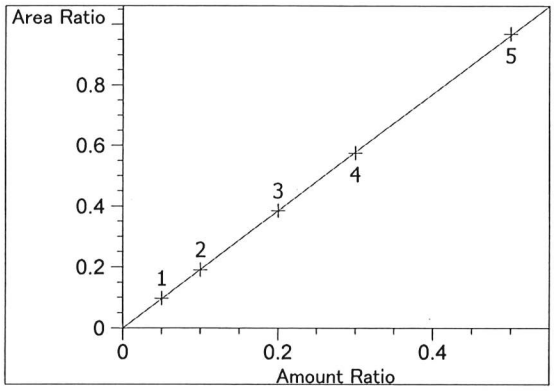
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.39659e-2
x: Amount Ratio
y: Area Ratio



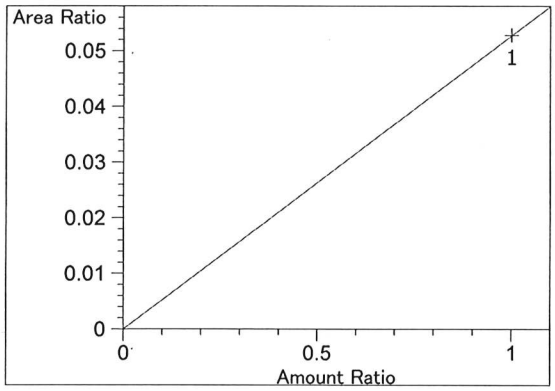
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.79766e-2
x: Amount Ratio
y: Area Ratio



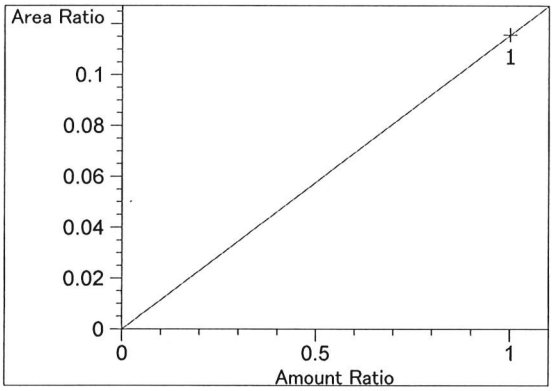
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.84948e-2
x: Amount Ratio
y: Area Ratio



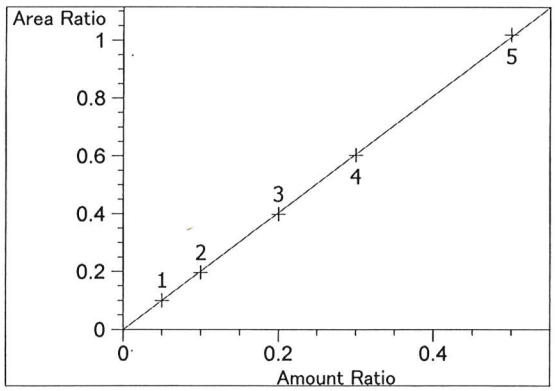
Ethanol at exp. RT: 3.110
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00314
Formula: y = mx
m: 1.93084
x: Amount Ratio
y: Area Ratio



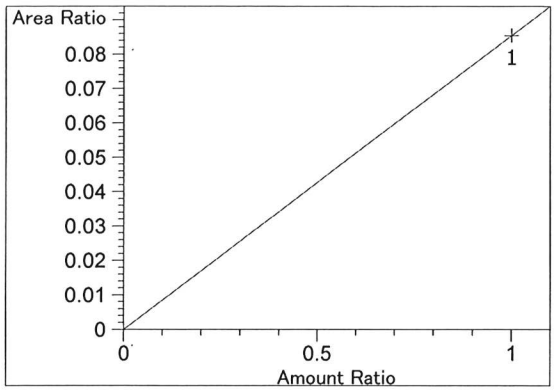
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.28091e-2
x: Amount Ratio
y: Area Ratio



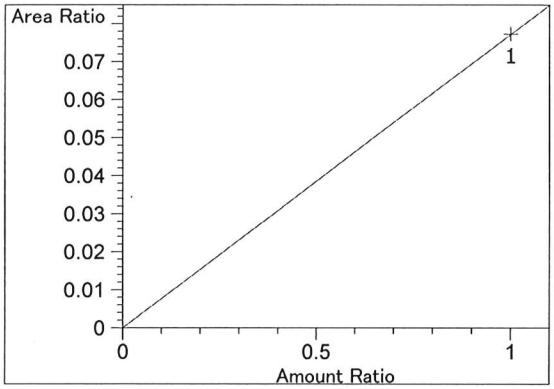
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.15728e-1
x: Amount Ratio
y: Area Ratio



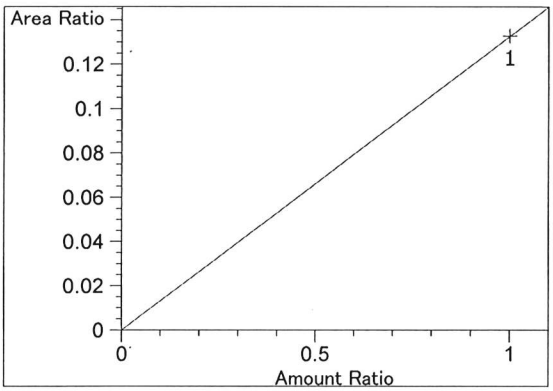
Ethanol at exp. RT: 4.183
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00581
Formula: y = mx
m: 2.02711
x: Amount Ratio
y: Area Ratio



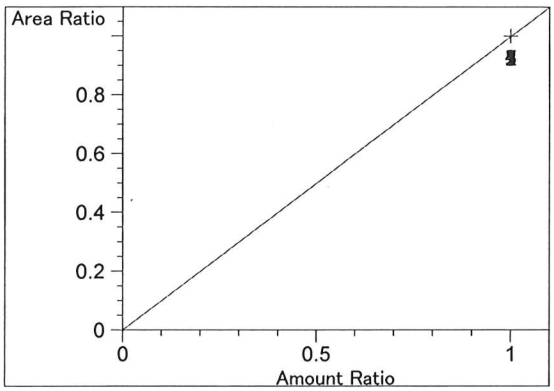
Acetone at exp. RT: 4.567
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.54366e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.581
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.72993e-2
x: Amount Ratio
y: Area Ratio

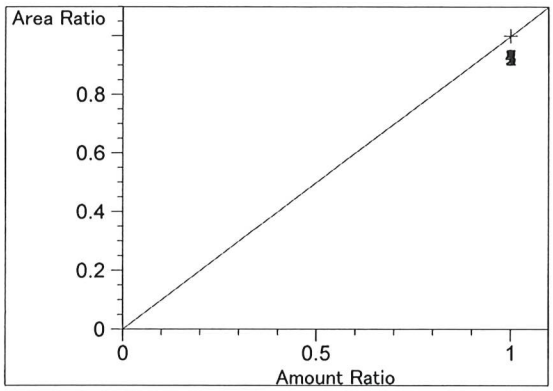


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.32703e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.945
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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



n-Propanol at exp. RT: 7.627
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.12.2020_01.28.19\12-17-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_17.12.2020_01.28.19\12-17-2020.S
Data directory path: C:\Chem32\1\Data\12-17-20SVJ
Logbook: C:\Chem32\1\Data\12-17-20SVJ\12-17-2020.LOG
Sequence start: 12/17/2020 1:42:07 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

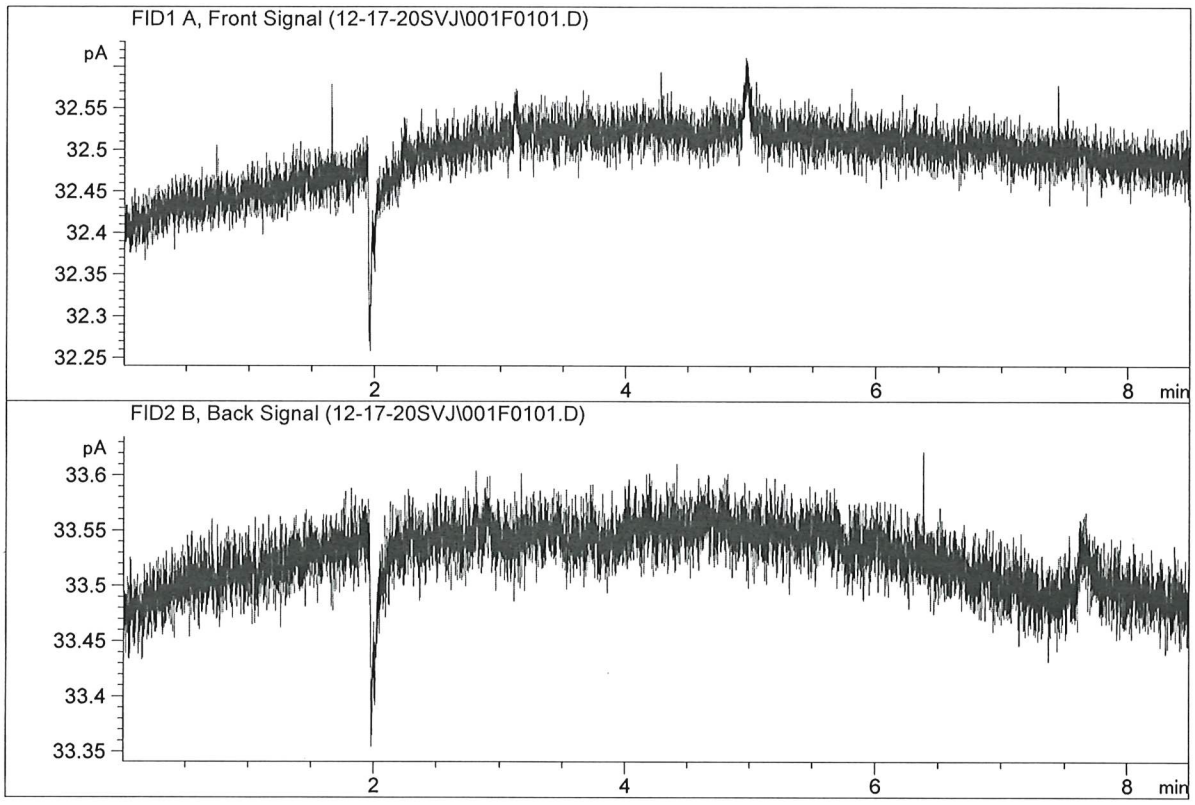
Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal # Cmp
1	1	1	water-1	-	1.0000	001F0101.D	0
2	2	1	VOL MIX	-	1.0000	002F0201.D	10
3	3	1	ISTD BLANK-1	-	1.0000	003F0301.D	2
4	4	1	QC-1(1)-A	-	1.0000	004F0401.D	4
5	5	1	QC-1(1)-B	-	1.0000	005F0501.D	4
6	6	1	0.08 FN09181807-	-	1.0000	006F0601.D	4
7	7	1	0.08 FN09181807-	-	1.0000	007F0701.D	4
8	8	1	C2020-2460-1-A	-	1.0000	008F0801.D	2
9	9	1	C2020-2460-1-B	-	1.0000	009F0901.D	0
10	10	1	C2020-2473-1-A	-	1.0000	010F1001.D	4
11	11	1	C2020-2473-1-B	-	1.0000	011F1101.D	4
12	12	1	C2020-2490-1-A	-	1.0000	012F1201.D	4
13	13	1	C2020-2490-1-B	-	1.0000	013F1301.D	4
14	14	1	C2020-2522-1-A	-	1.0000	014F1401.D	4
15	15	1	C2020-2522-1-B	-	1.0000	015F1501.D	4
16	16	1	P2020-3583-1-A	-	1.0000	016F1601.D	4
17	17	1	P2020-3583-1-B	-	1.0000	017F1701.D	4
18	18	1	P2020-3585-1-A	-	1.0000	018F1801.D	6
19	19	1	P2020-3585-1-B	-	1.0000	019F1901.D	6
20	20	1	P2020-3586-1-A	-	1.0000	020F2001.D	6
21	21	1	P2020-3586-1-B	-	1.0000	021F2101.D	5
22	22	1	P2020-3593-1-A	-	1.0000	022F2201.D	4
23	23	1	P2020-3593-1-B	-	1.0000	023F2301.D	4
24	24	1	P2020-3608-1-A	-	1.0000	024F2401.D	2
25	25	1	P2020-3608-1-B	-	1.0000	025F2501.D	2
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	P2020-3623-1-A	-	1.0000	028F2801.D	4
29	29	1	P2020-3623-1-B	-	1.0000	029F2901.D	4
30	30	1	P2020-3635-1-A	-	1.0000	030F3001.D	4
31	31	1	P2020-3635-1-B	-	1.0000	031F3101.D	4
32	32	1	P2020-3636-1-A	-	1.0000	032F3201.D	6
33	33	1	P2020-3636-1-B	-	1.0000	033F3301.D	6
34	34	1	P2020-3645-1-A	-	1.0000	034F3401.D	4
35	35	1	P2020-3645-1-B	-	1.0000	035F3501.D	4
36	36	1	P2020-3652-1-A	-	1.0000	036F3601.D	6
37	37	1	P2020-3652-1-B	-	1.0000	037F3701.D	6
38	38	1	P2020-3658-1-A	-	1.0000	038F3801.D	2
39	39	1	P2020-3658-1-B	-	1.0000	039F3901.D	2
40	40	1	P2020-3669-1-A	-	1.0000	040F4001.D	4
41	41	1	P2020-3669-1-B	-	1.0000	041F4101.D	4
42	42	1	P2020-3671-1-A	-	1.0000	042F4201.D	6
43	43	1	P2020-3671-1-B	-	1.0000	043F4301.D	6
44	44	1	P2020-3673-1-A	-	1.0000	044F4401.D	4
45	45	1	P2020-3673-1-B	-	1.0000	045F4501.D	4
46	46	1	P2020-3686-1-A	-	1.0000	046F4601.D	6

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_17.12.2020_01.28.19\12-17-2020.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	P2020-3686-1-B	-	1.0000	047F4701.D		6
48	48	1	QC-1(2)-A	-	1.0000	048F4801.D		4
49	49	1	QC-1(2)-B	-	1.0000	049F4901.D		4
50	50	1	P2020-3688-1-A	-	1.0000	050F5001.D		4
51	51	1	P2020-3688-1-B	-	1.0000	051F5101.D		4
52	52	1	P2020-3699-4-A	-	1.0000	052F5201.D		4
53	53	1	P2020-3699-4-B	-	1.0000	053F5301.D		4
54	54	1	P2020-3700-1-A	-	1.0000	054F5401.D		4
55	55	1	P2020-3700-1-B	-	1.0000	055F5501.D		4
56	56	1	P2020-3722-1-A	-	1.0000	056F5601.D		2
57	57	1	P2020-3722-1-B	-	1.0000	057F5701.D		2
58	58	1	P2020-3727-1-A	-	1.0000	058F5801.D		4
59	59	1	P2020-3727-1-B	-	1.0000	059F5901.D		0
60	60	1	QC-2(2)-A	-	1.0000	060F6001.D		4
61	61	1	QC-2(2)-B	-	1.0000	061F6101.D		4
62	62	1	ISTD BLANK-2	-	1.0000	062F6201.D		2
63	63	1	0.05 CHECK	-	1.0000	063F6301.D		4
64	64	1	0.100 CHECK	-	1.0000	064F6401.D		4
65	65	1	0.200 CHECK	-	1.0000	065F6501.D		4
66	66	1	0.300 CHECK	-	1.0000	066F6601.D		4
67	67	1	0.500 CHECK	-	1.0000	067F6701.D		4
68	68	1	water-2	-	1.0000	068F6801.D		0

ISP Forensic Services Blood Alcohol Report

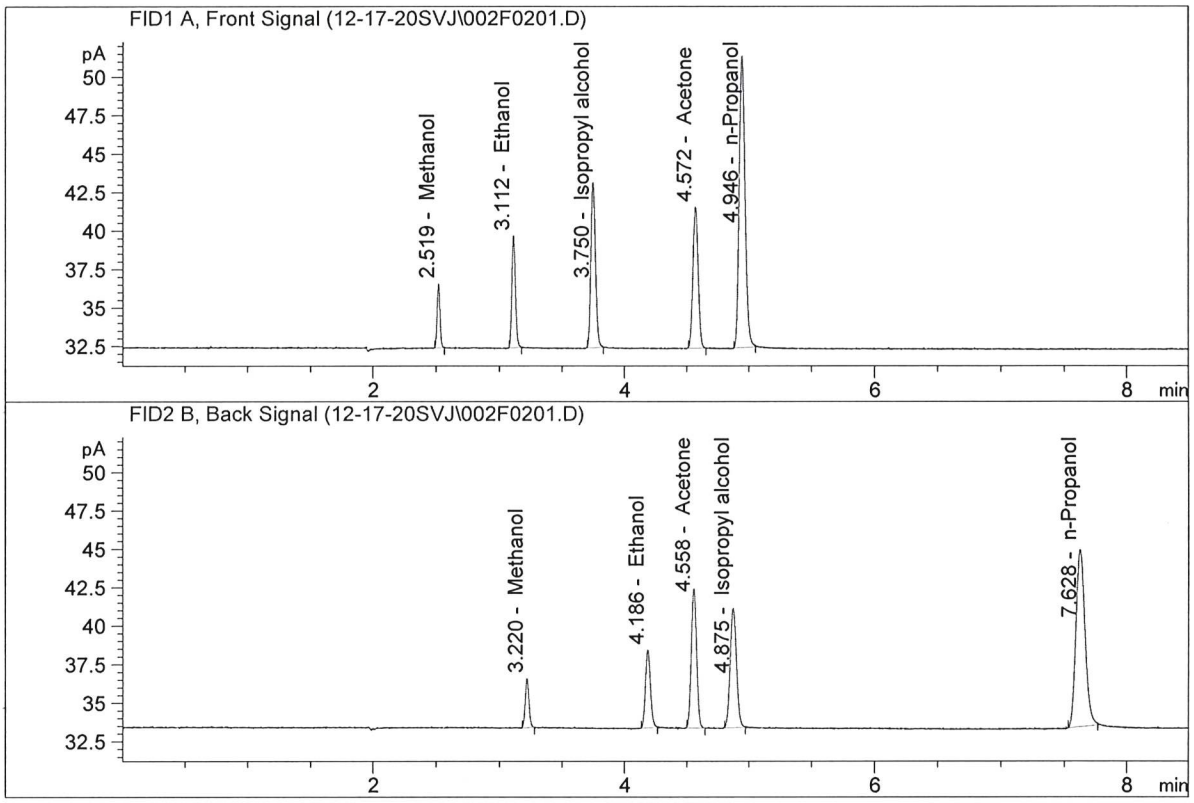
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

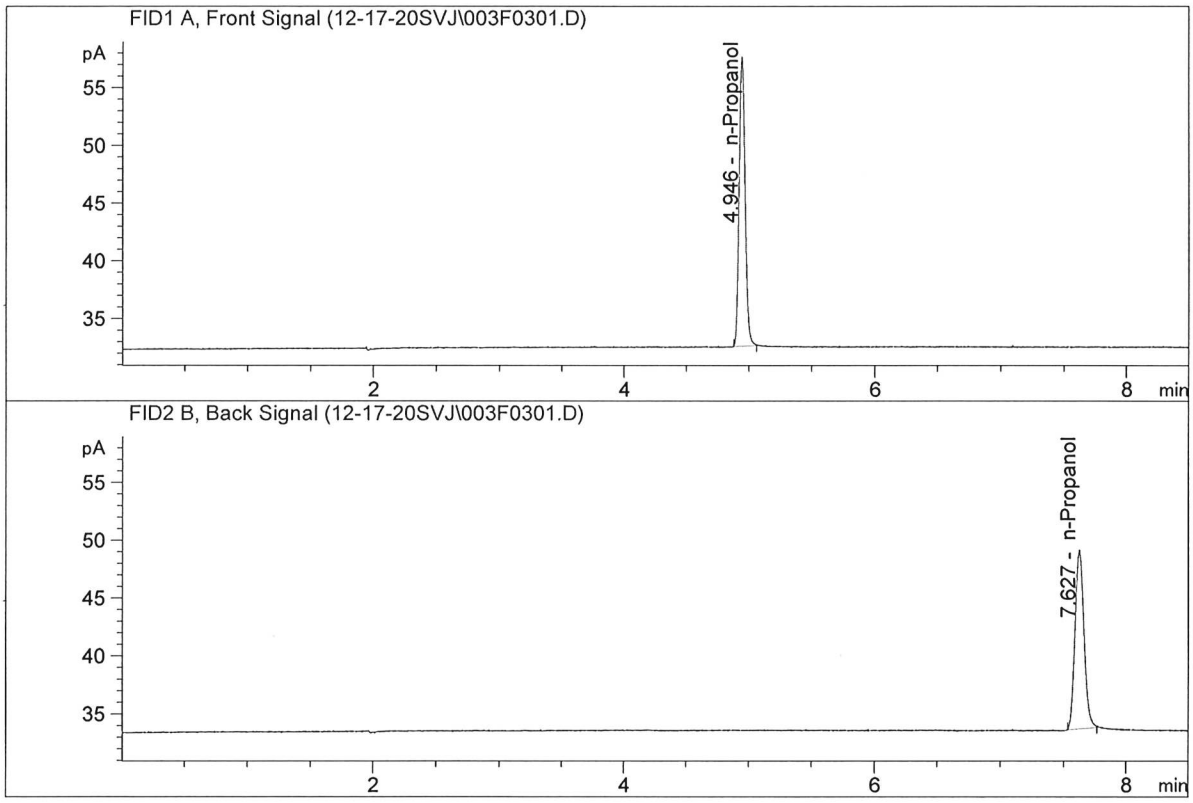
Sample Name : VOL MIX
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.50944	0.1207	g/100cc
2.	Ethanol	Column 2:	14.22048	0.1197	g/100cc
3.	n-Propanol	Column 1:	62.26676	1.0000	g/100cc
4.	n-Propanol	Column 2:	58.61779	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
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:	82.22443	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.88365	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 17 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0781	0.0762	0.0019	0.0771	0.0001	0.0772
(g/100cc)	0.0777	0.0768	0.0009	0.0772		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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**

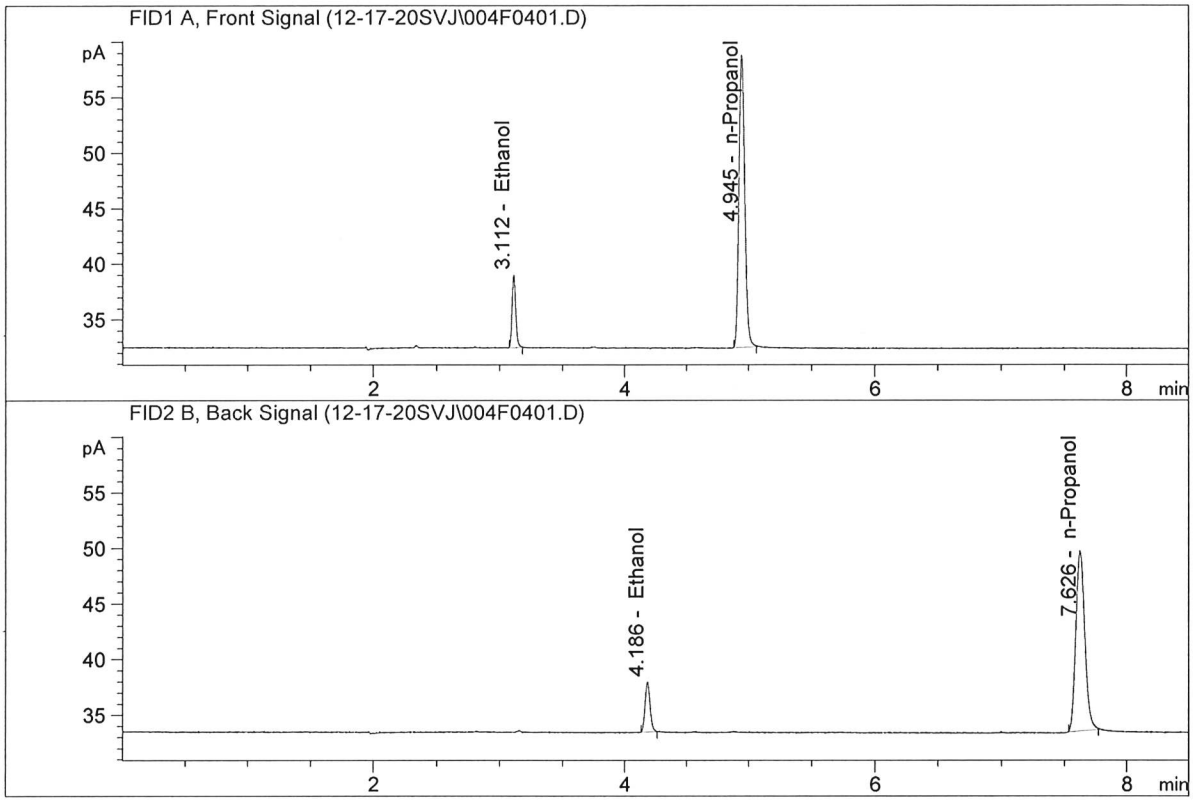
Reported Result

0.077

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

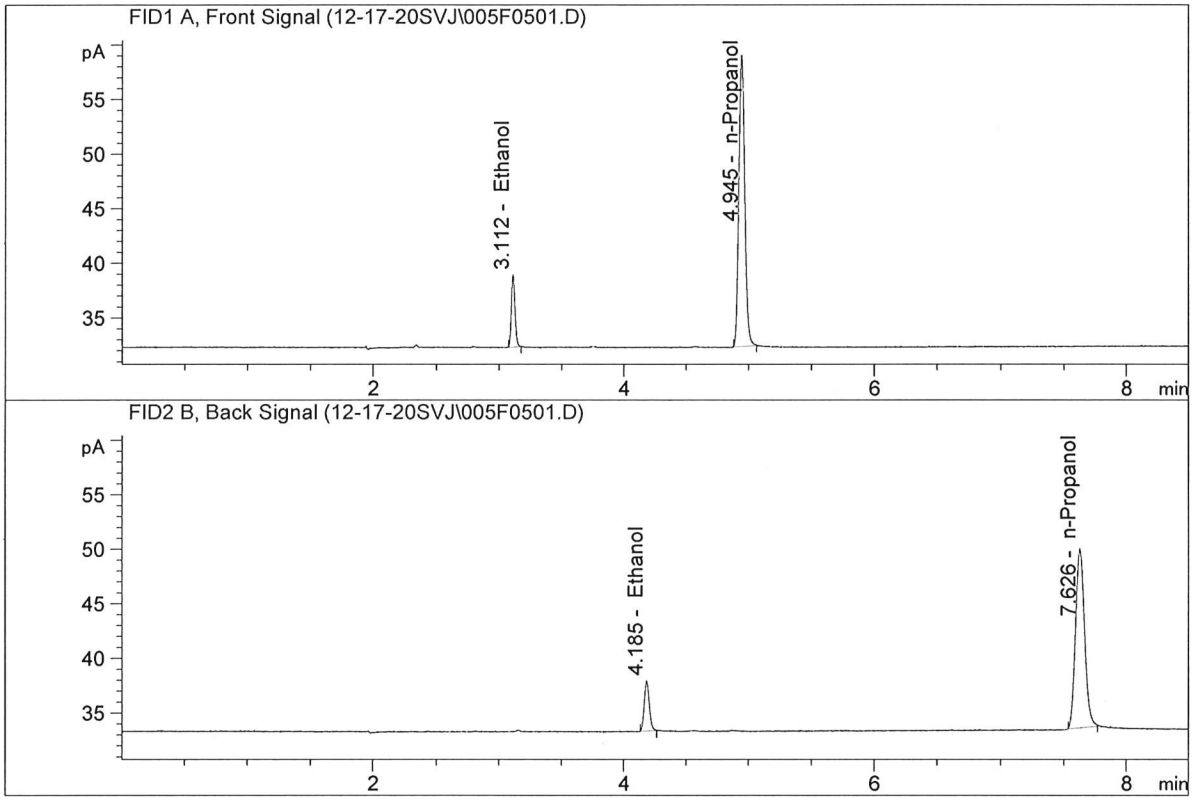
Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.03643	0.0781	g/100cc
2.	Ethanol	Column 2:	12.63497	0.0762	g/100cc
3.	n-Propanol	Column 1:	86.43500	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.83644	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.14457	0.0777	g/100cc
2.	Ethanol	Column 2:	12.89024	0.0768	g/100cc
3.	n-Propanol	Column 1:	87.66653	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.80827	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 17 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0810	0.0793	0.0017	0.0801	0.0008	0.0797
(g/100cc)	0.0801	0.0786	0.0015	0.0793		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	**0.075**	**0.083**	**0.004**

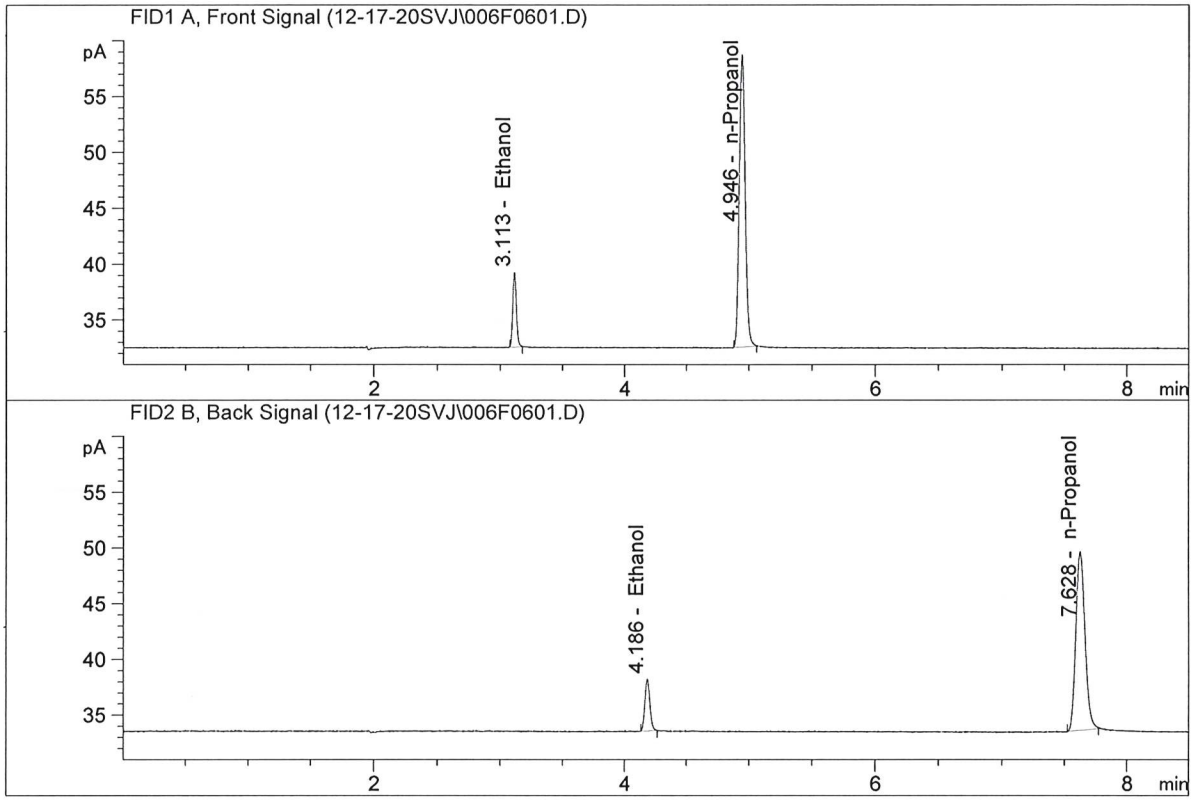
	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Revision: 2
Issue Date: 12/23/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

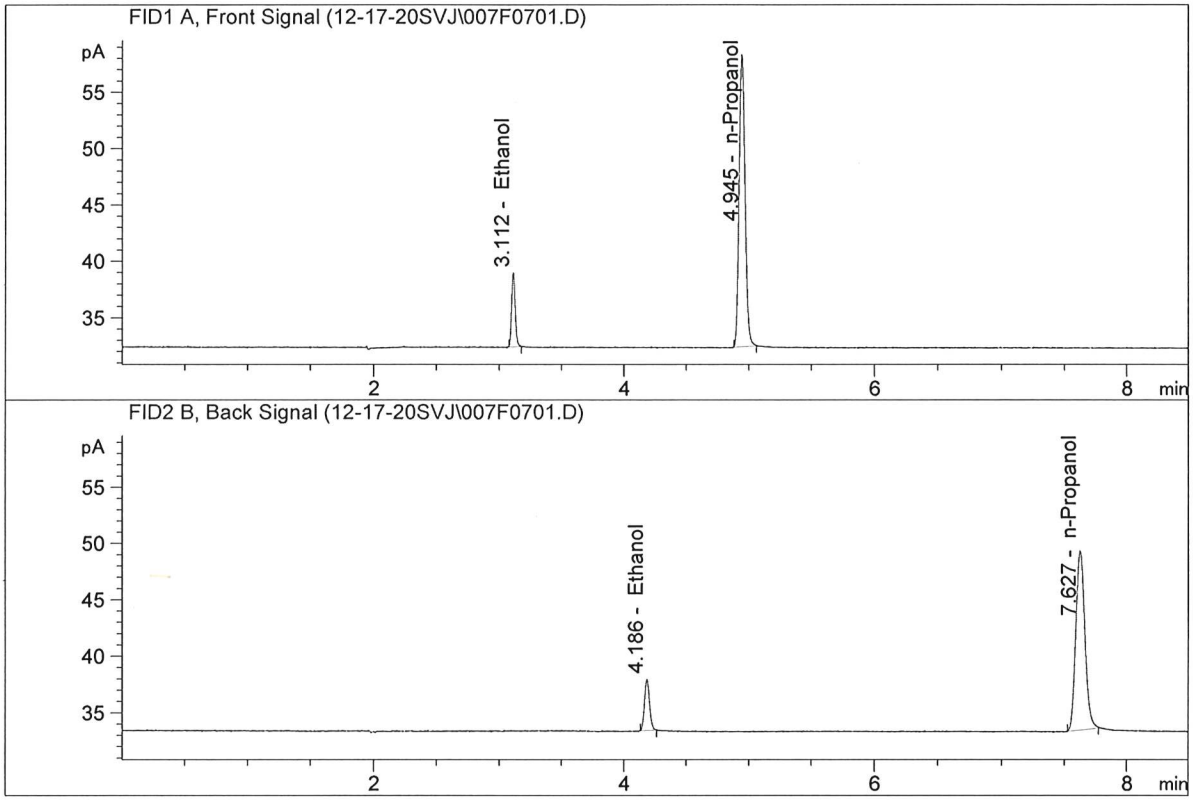
Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.40868	0.0810	g/100cc
2.	Ethanol	Column 2:	13.08359	0.0793	g/100cc
3.	n-Propanol	Column 1:	85.70070	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.33976	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.14561	0.0801	g/100cc
2.	Ethanol	Column 2:	12.86751	0.0786	g/100cc
3.	n-Propanol	Column 1:	84.97648	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.80977	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 17 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1955	0.1954	0.0001	0.1954	0.0046	0.1977
(g/100cc)	0.1996	0.2004	0.0008	0.2000		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.197	**0.187**	**0.207**	**0.010**

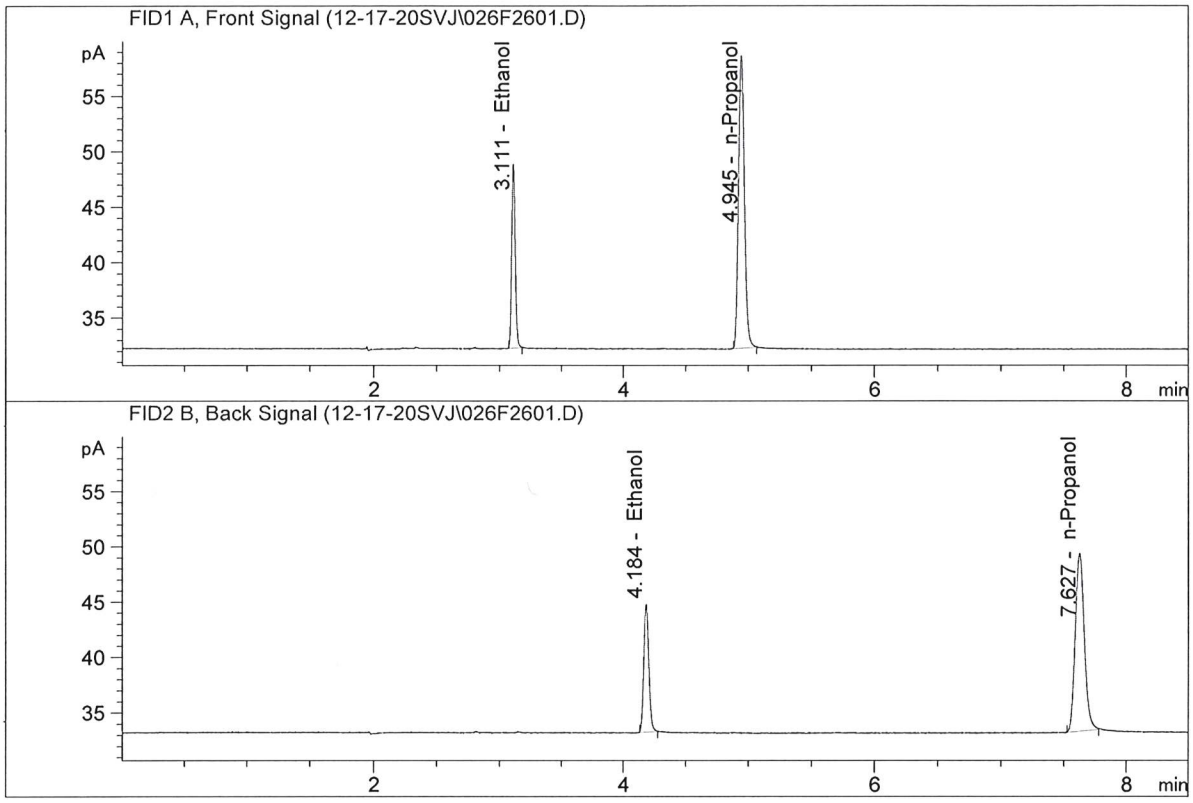
Reported Result

0.197

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

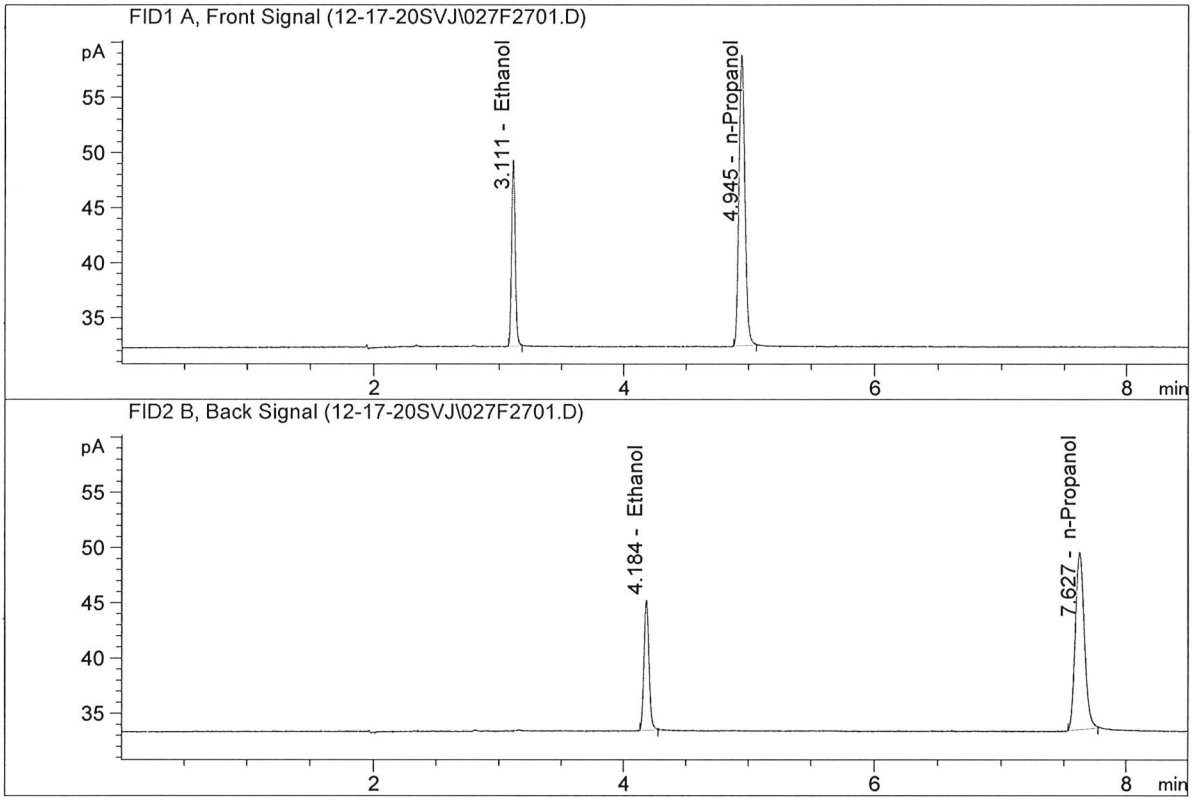
Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.70352	0.1955	g/100cc
2.	Ethanol	Column 2:	32.34461	0.1954	g/100cc
3.	n-Propanol	Column 1:	86.63830	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.63742	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.35942	0.1996	g/100cc
2.	Ethanol	Column 2:	32.98855	0.2004	g/100cc
3.	n-Propanol	Column 1:	86.58008	1.0000	g/100cc
4.	n-Propanol	Column 2:	81.18747	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(2) **Analysis Date(s): 17 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0790	0.0785	0.0005	0.0787	0.0014	0.0780
(g/100cc)	0.0777	0.0769	0.0008	0.0773		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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**

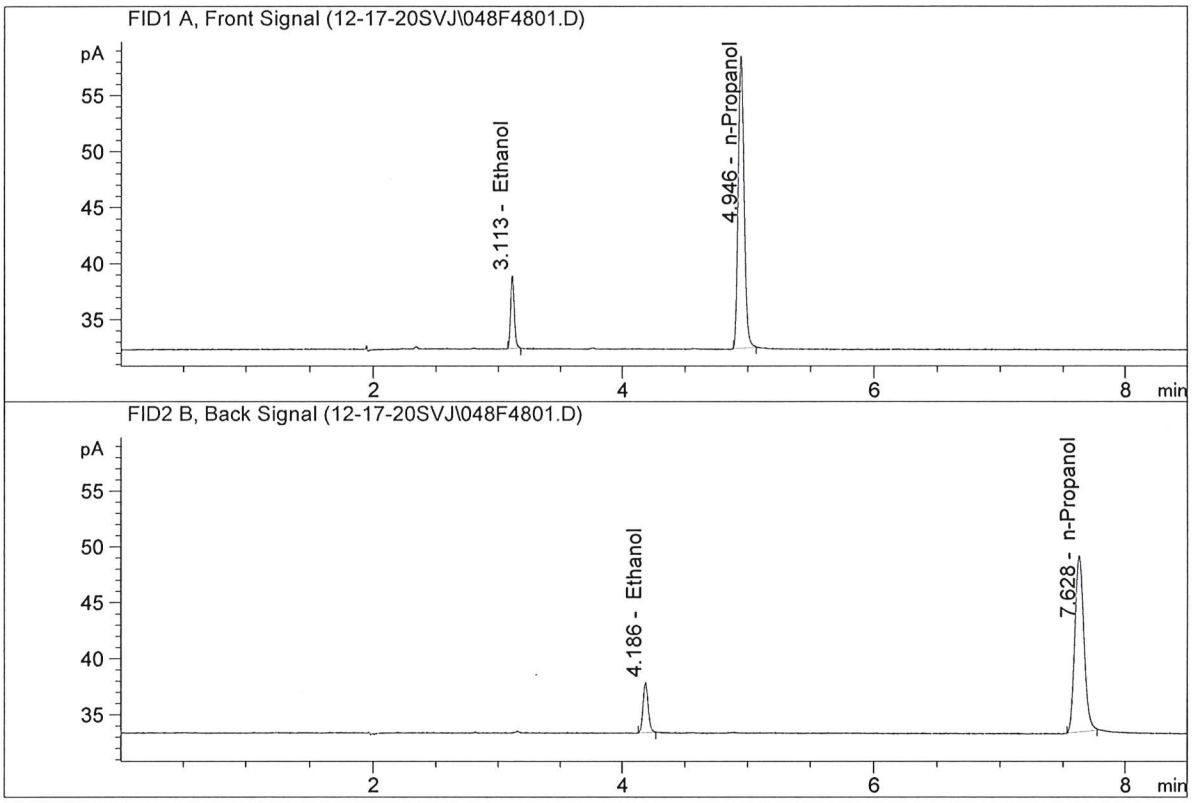
Reported Result

0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

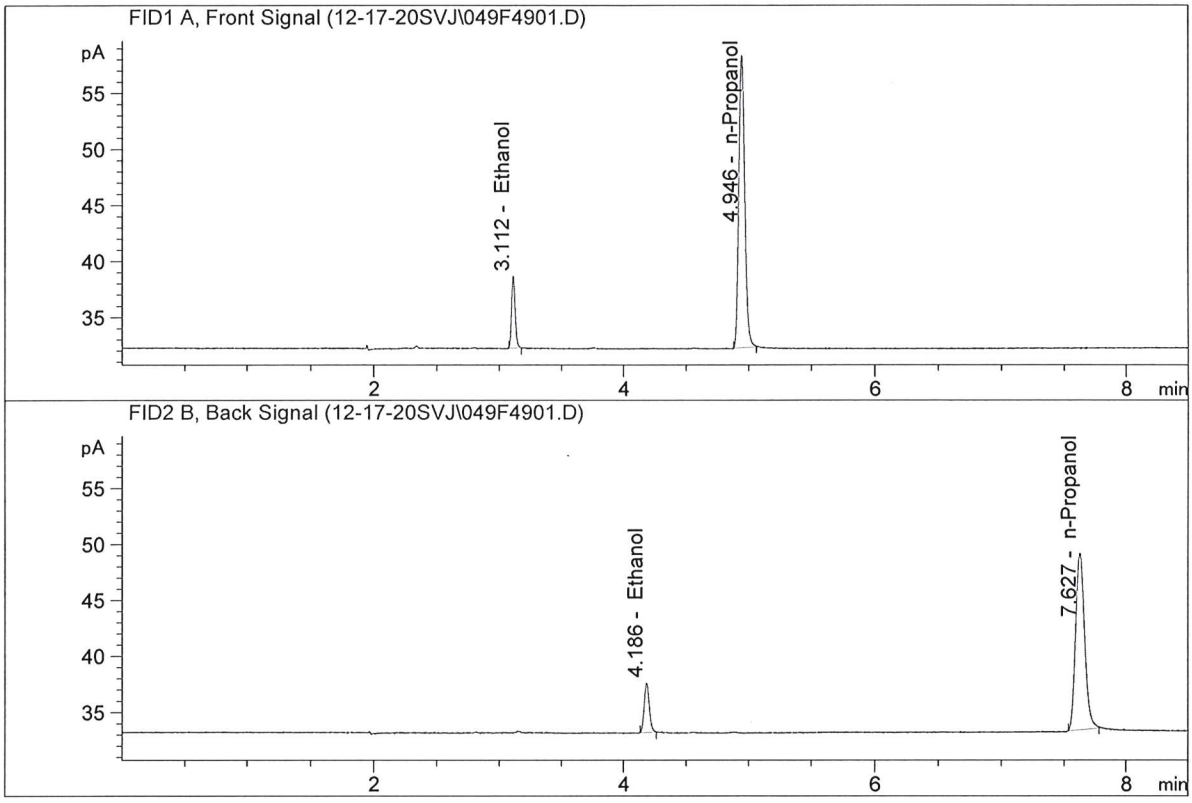
Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.04085	0.0790	g/100cc
2.	Ethanol	Column 2:	12.65540	0.0785	g/100cc
3.	n-Propanol	Column 1:	85.53703	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.48494	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(2)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 17, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.88303	0.0777	g/100cc
2.	Ethanol	Column 2:	12.47885	0.0769	g/100cc
3.	n-Propanol	Column 1:	85.88024	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.06435	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(2) **Analysis Date(s): 18 Dec 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1990	0.1993	0.0003	0.1991	0.0001	0.1990
(g/100cc)	0.1982	0.1998	0.0016	0.1990		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

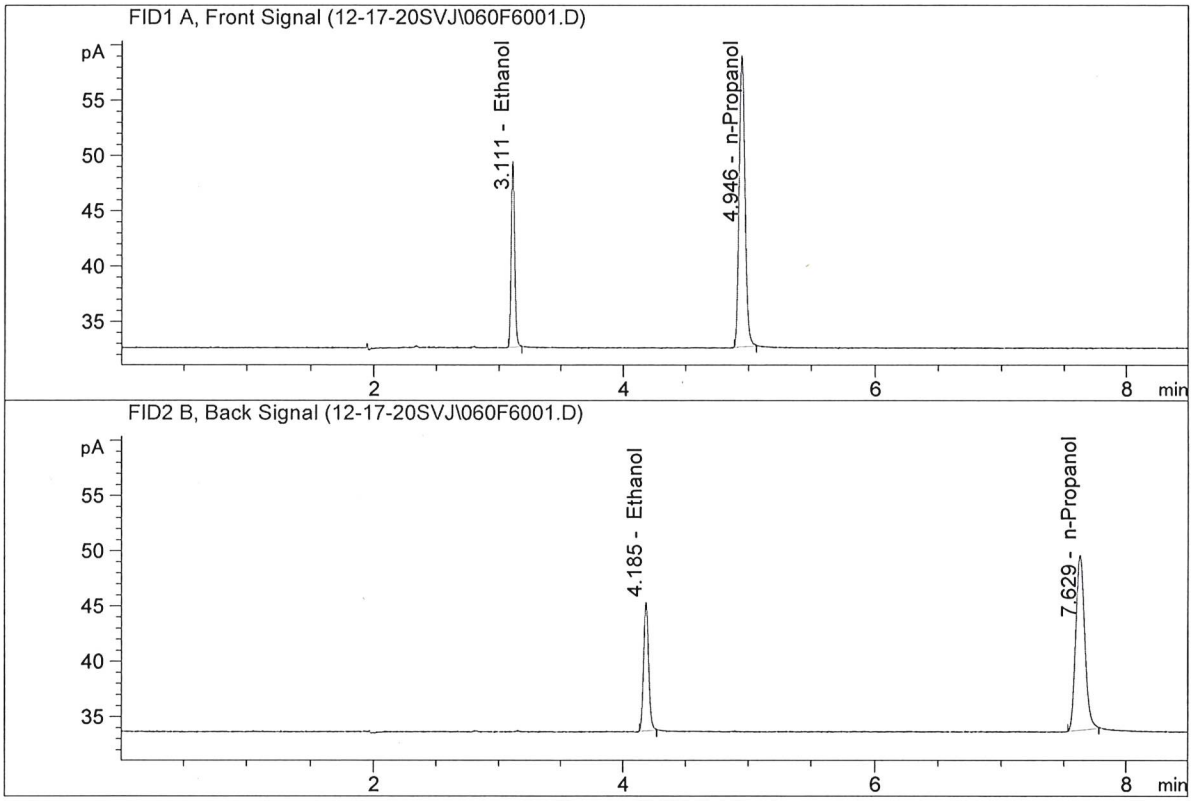
Reported Result

0.199

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

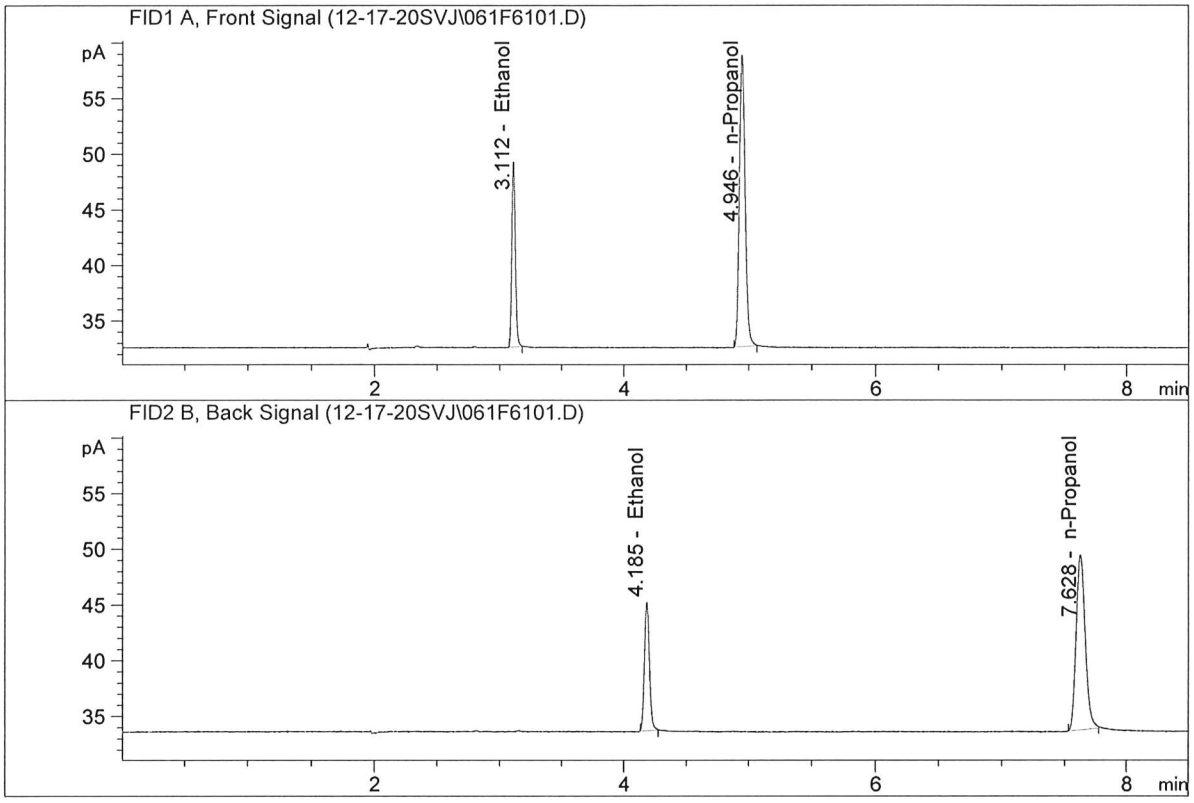
Sample Name : QC-2(2)-A
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.27537	0.1990	g/100cc
2.	Ethanol	Column 2:	32.50249	0.1993	g/100cc
3.	n-Propanol	Column 1:	86.60130	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.46467	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

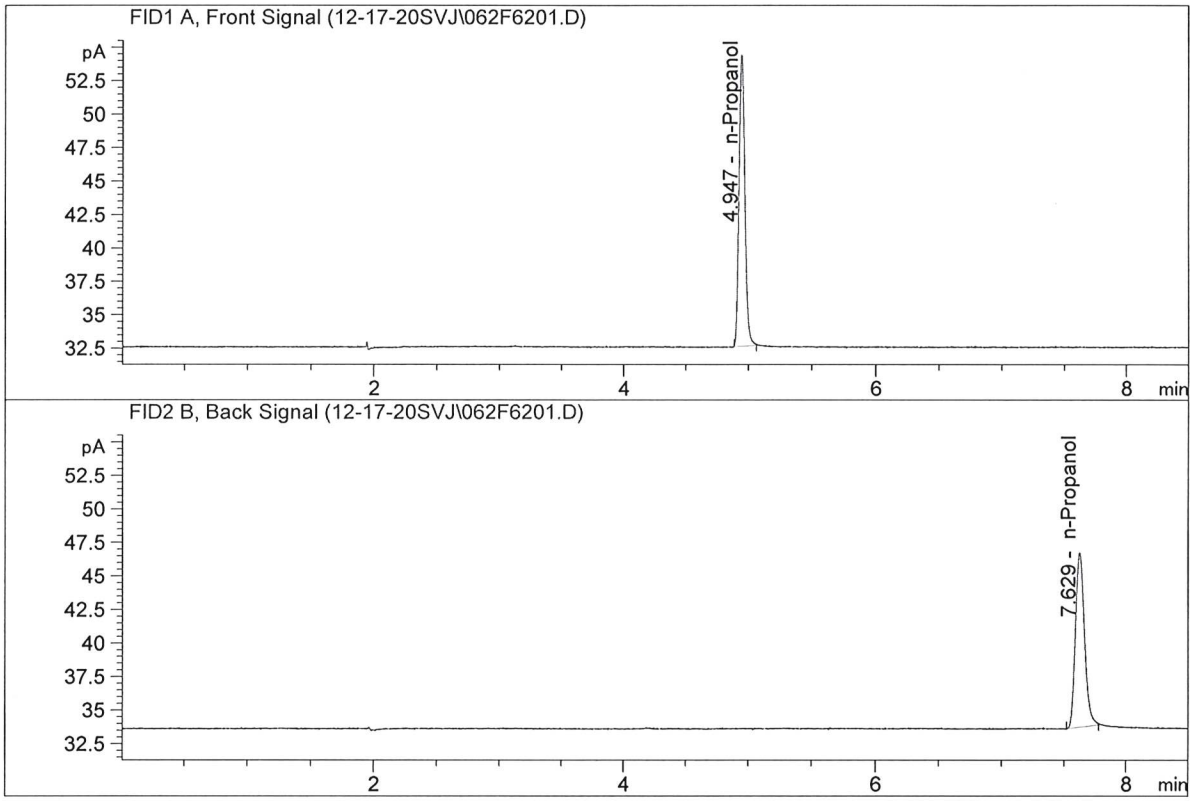
Sample Name : QC-2(2)-B
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	32.93427	0.1982	g/100cc
2.	Ethanol	Column 2:	32.34920	0.1998	g/100cc
3.	n-Propanol	Column 1:	86.05753	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.86008	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

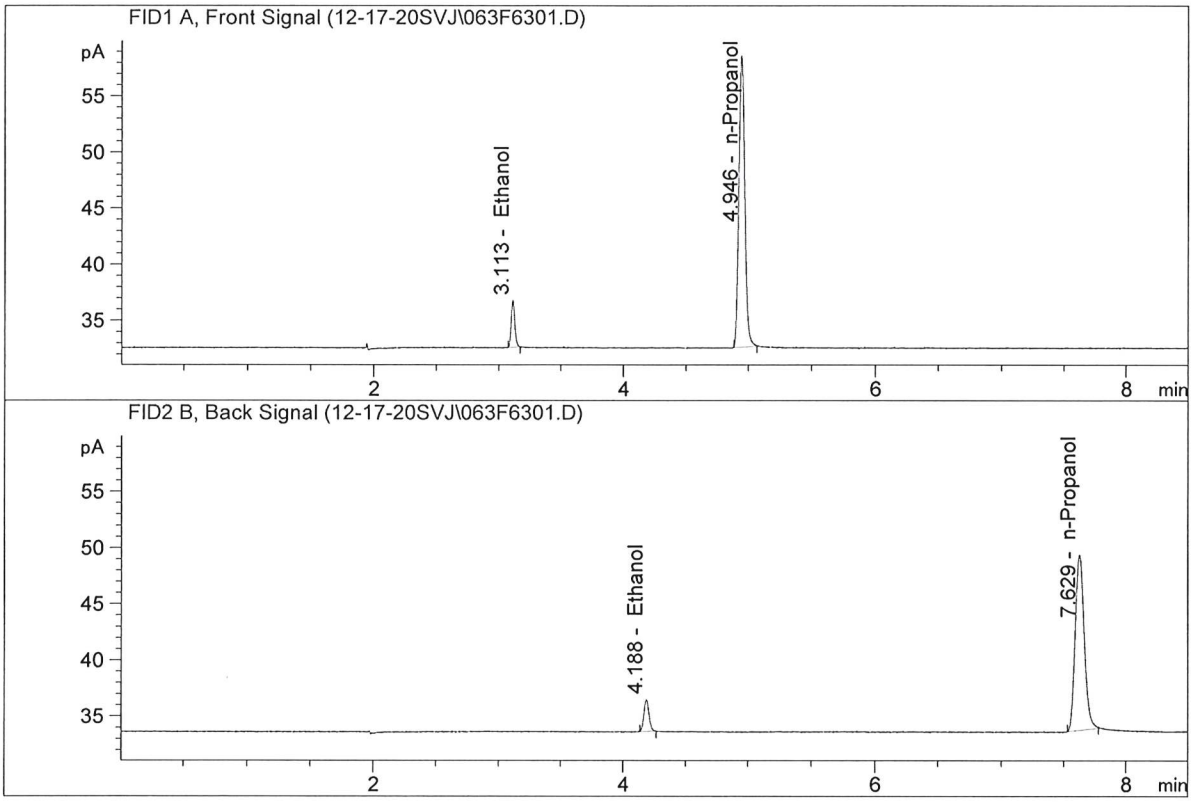
Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	71.60917	1.0000	g/100cc
4.	n-Propanol	Column 2:	66.44257	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

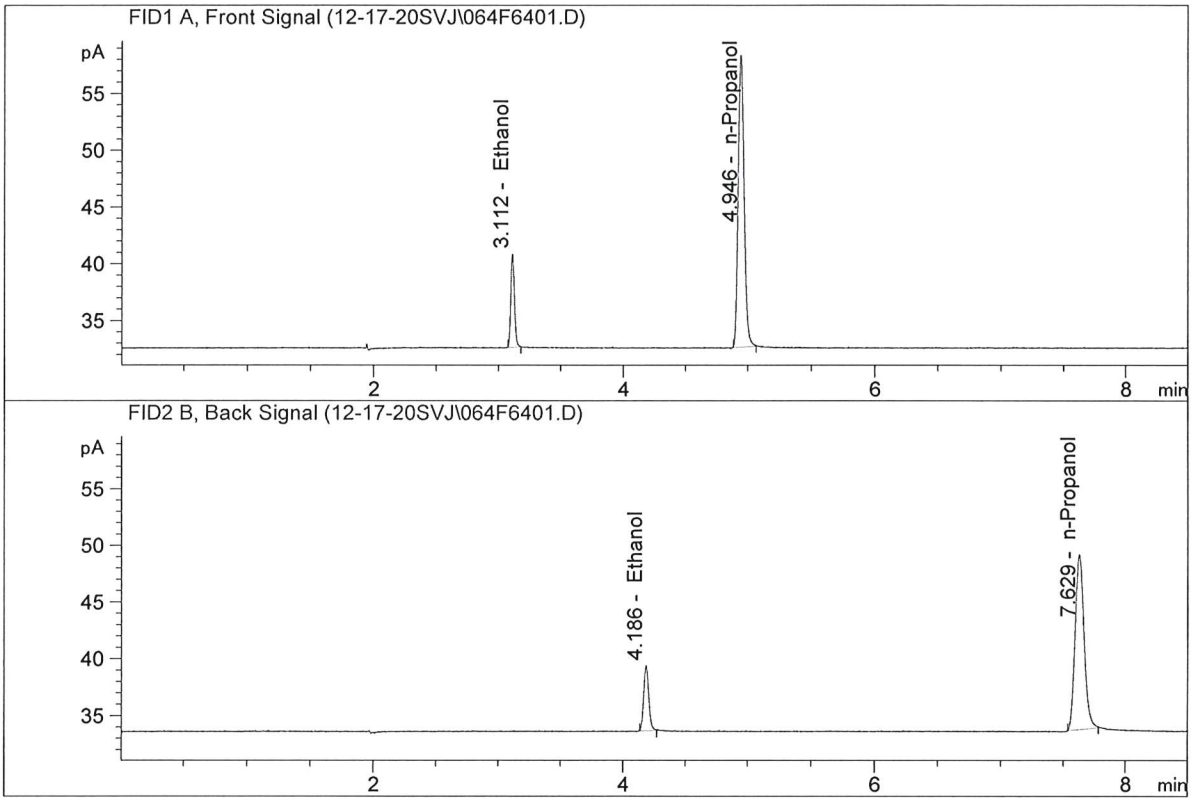
Sample Name : 0.05 CHECK
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	8.34726	0.0506	g/100cc
2.	Ethanol	Column 2:	8.16023	0.0506	g/100cc
3.	n-Propanol	Column 1:	85.45313	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.48392	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

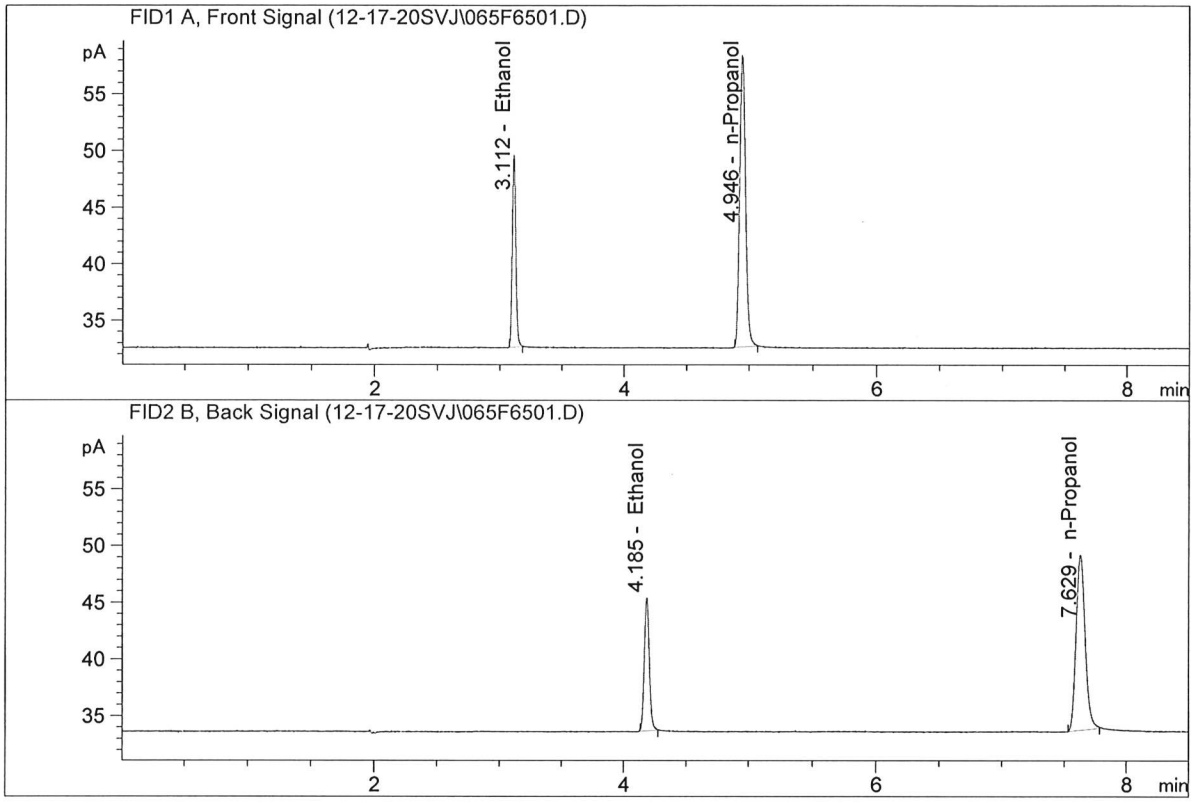
Sample Name : 0.100 CHECK
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.45461	0.1008	g/100cc
2.	Ethanol	Column 2:	16.05999	0.1011	g/100cc
3.	n-Propanol	Column 1:	84.54243	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.35014	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

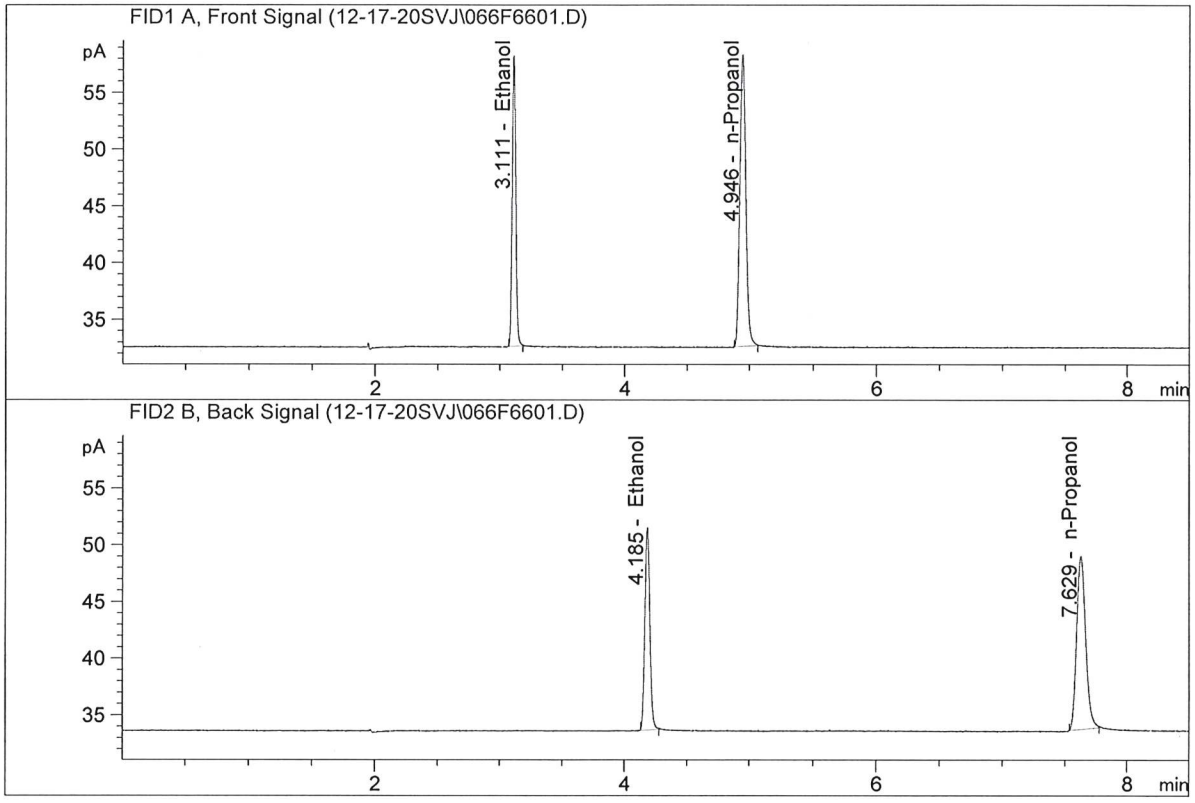
Sample Name : 0.200 CHECK
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	33.52169	0.2049	g/100cc
2.	Ethanol	Column 2:	33.00496	0.2068	g/100cc
3.	n-Propanol	Column 1:	84.72797	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.72371	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

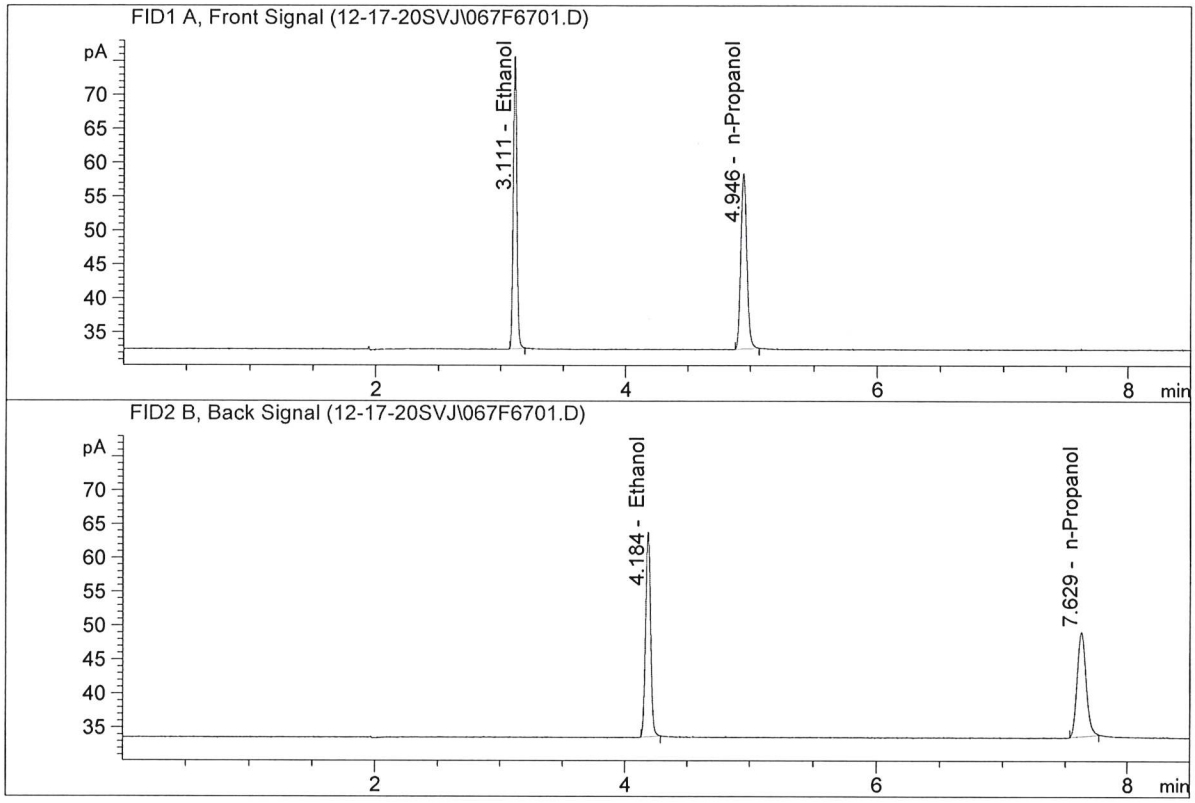
Sample Name : 0.300 CHECK
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	50.44493	0.3096	g/100cc
2.	Ethanol	Column 2:	49.78567	0.3159	g/100cc
3.	n-Propanol	Column 1:	84.39501	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.74339	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

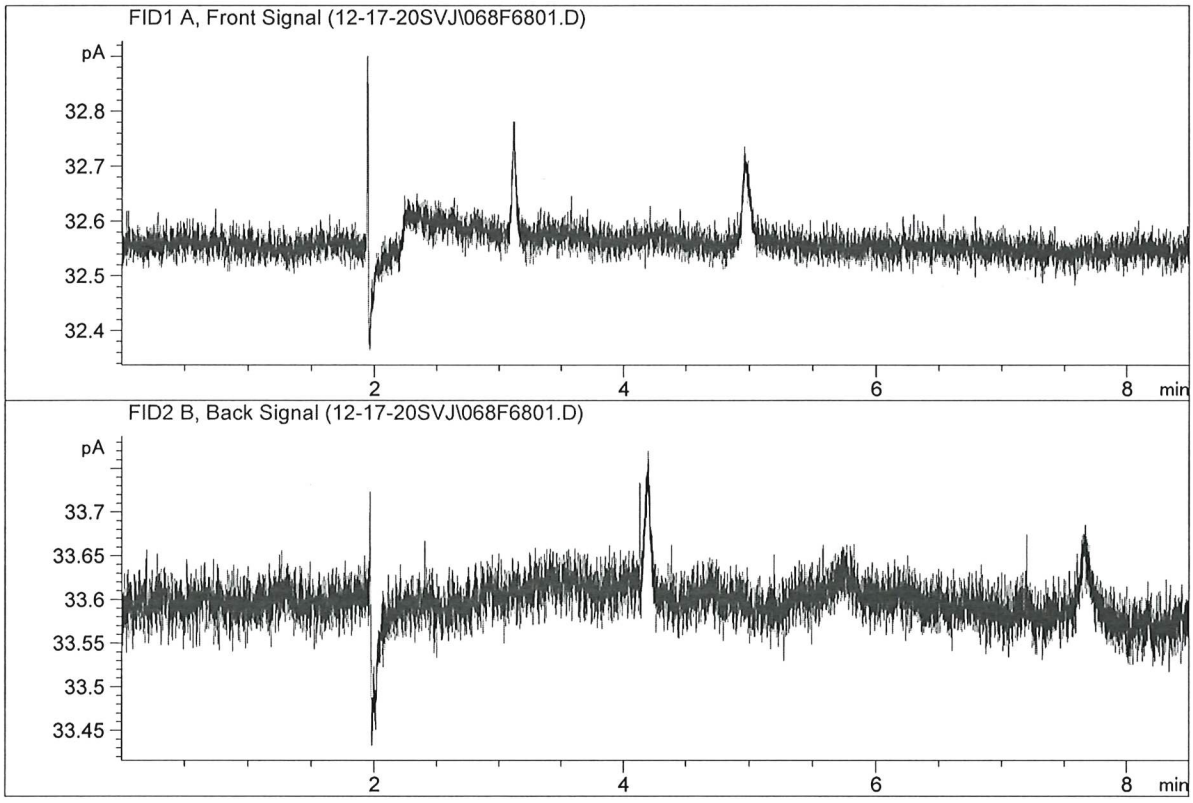
Sample Name : 0.500 CHECK
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	84.66994	0.5160	g/100cc
2.	Ethanol	Column 2:	83.91035	0.5321	g/100cc
3.	n-Propanol	Column 1:	84.97801	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.79246	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Dec 18, 2020
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