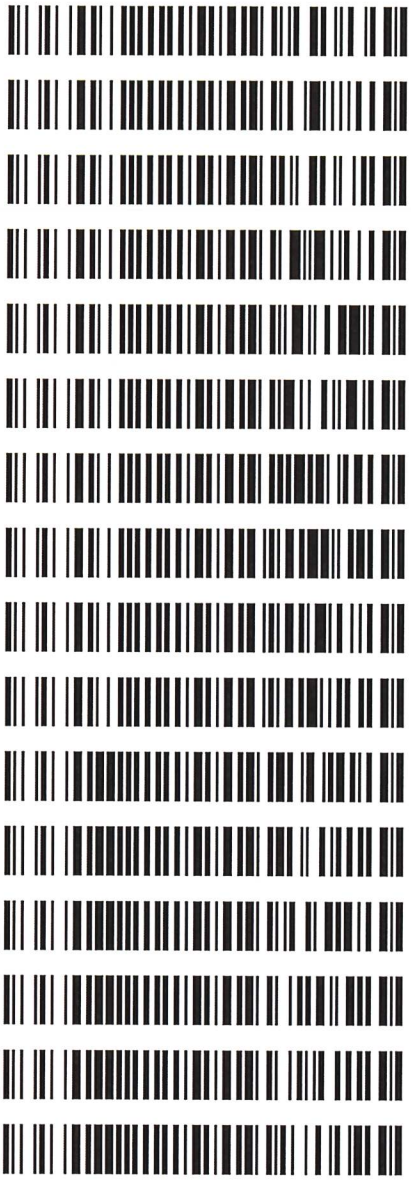
8/7/2020

Worklist: 4418

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
C2020-1344	1	BCK	Alcohol Analysis
C2020-1402	1	BCK	Alcohol Analysis
C2020-1420	1	AVK	Alcohol Analysis
C2020-1441	1	BCK	Alcohol Analysis
C2020-1447	1	BCK	Alcohol Analysis
C2020-1460	1	BCK	Alcohol Analysis
C2020-1484	1	BCK	Alcohol Analysis
C2020-1505	1	BCK	Alcohol Analysis
C2020-1508	1	BCK	Alcohol Analysis
C2020-1509	1	BCK	Alcohol Analysis
P2020-2015	1	BCK	Alcohol Analysis
P2020-2021	1	BCK	Alcohol Analysis
P2020-2030	1	BCK	Alcohol Analysis
P2020-2041	1	BCK	Alcohol Analysis
P2020-2056	1	BCK	Alcohol Analysis
P2020-2058	1	BCK	Alcohol Analysis



REVIEWED
By Jeremy Johnston at 11:45 am, Aug 09, 2020

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): 8-6-20**

worklist #4418

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0783 g/100cc
					0.0794 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2014 g/100cc
					g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**		**Lot #**	FN06041502	OK
Curve Fit:		**Column 1**	1.00000	**Column2**	0.99997

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	0.0486	0.0011	0.0491
100	0.100	0.090 - 0.110	0.0995	0.0975	0.002	0.0985
200	0.200	0.180 - 0.220	0.1991	0.1970	0.0021	0.198
300	0.300	0.270 - 0.330	0.2989	0.2990	1E-04	0.2989
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5011	0.5024	0.0013	0.5017

Aqueous Controls

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

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_06.08.2020_10.50.06\8-6-2020.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_06.08.2020_10.50.06\8-6-2020.S
Data directory path: C:\Chem32\1\Data\8-6-20SVJ
Logbook: C:\Chem32\1\Data\8-6-20SVJ\8-6-2020.LOG
Sequence start: 8/6/2020 11:03:53 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	-	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 FN09181807-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09181807-	-	1.0000	007F0701.D		4
8	8	1	C2020-1344-1-A	-	1.0000	008F0801.D		6
9	9	1	C2020-1344-1-B	-	1.0000	009F0901.D		4
10	10	1	C2020-1402-1-A	-	1.0000	010F1001.D		4
11	11	1	C2020-1402-1-B	-	1.0000	011F1101.D		4
12	12	1	C2020-1420-1-A	-	1.0000	012F1201.D		4
13	13	1	C2020-1420-1-B	-	1.0000	013F1301.D		4
14	14	1	C2020-1441-1-A	-	1.0000	014F1401.D		6
15	15	1	C2020-1441-1-B	-	1.0000	015F1501.D		6
16	16	1	C2020-1447-1-A	-	1.0000	016F1601.D		4
17	17	1	C2020-1447-1-B	-	1.0000	017F1701.D		4
18	18	1	C2020-1460-1-A	-	1.0000	018F1801.D		4
19	19	1	C2020-1460-1-B	-	1.0000	019F1901.D		4
20	20	1	C2020-1484-1-A	-	1.0000	020F2001.D		4
21	21	1	C2020-1484-1-B	-	1.0000	021F2101.D		4
22	22	1	C2020-1505-1-A	-	1.0000	022F2201.D		6
23	23	1	C2020-1505-1-B	-	1.0000	023F2301.D		6
24	24	1	C2020-1508-1-A	-	1.0000	024F2401.D		4
25	25	1	C2020-1508-1-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	C2020-1509-1-A	-	1.0000	028F2801.D		4
29	29	1	C2020-1509-1-B	-	1.0000	029F2901.D		4
30	30	1	P2020-2015-1-A	-	1.0000	030F3001.D		6
31	31	1	P2020-2015-1-B	-	1.0000	031F3101.D		6
32	32	1	P2020-2021-1-A	-	1.0000	032F3201.D		6
33	33	1	P2020-2021-1-B	-	1.0000	033F3301.D		6
34	34	1	P2020-2030-1-A	-	1.0000	034F3401.D		6
35	35	1	P2020-2030-1-B	-	1.0000	035F3501.D		6
36	36	1	P2020-2041-1-A	-	1.0000	036F3601.D		6
37	37	1	P2020-2041-1-B	-	1.0000	037F3701.D		6
38	38	1	P2020-2056-1-A	-	1.0000	038F3801.D		2
39	39	1	P2020-2056-1-B	-	1.0000	039F3901.D		2
40	40	1	P2020-2058-1-A	-	1.0000	040F4001.D		6
41	41	1	P2020-2058-1-B	-	1.0000	041F4101.D		6
42	42	1	QC-1(2)-A	-	1.0000	042F4201.D		4
43	43	1	QC-1(2)-B	-	1.0000	043F4301.D		4
44	44	1	0.05 CHECK	-	1.0000	044F4401.D		4
45	45	1	0.100 CHECK	-	1.0000	045F4501.D		4
46	46	1	0.200 CHECK	-	1.0000	046F4601.D		4

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_06.08.2020_10.50.06\8-6-2020.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	0.300 CHECK	-	1.0000	047F4701.D		4
48	48	1	0.500 CHECK	-	1.0000	048F4801.D		4
49	49	1	ISTD BLANK-2	-	1.0000	049F4901.D		2
50	50	1	water-2	-	1.0000	050F5001.D		0

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, August 06, 2020 10:29:00 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

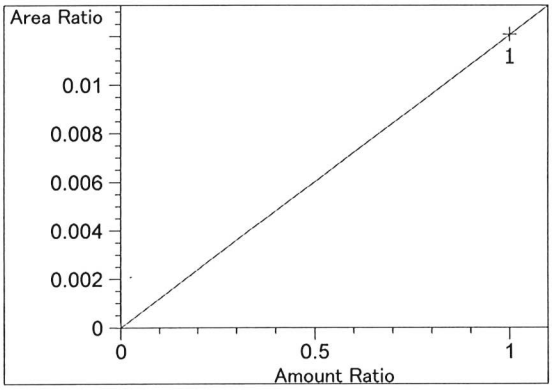
Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
1.977	2	1	1.00000	1.06794	9.36380e-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
3.111	1	1	5.00000e-2	9.08346	5.50451e-3	No	No	1	Ethanol
		2	1.00000e-1	17.87726	5.59370e-3				
		3	2.00000e-1	36.16845	5.52968e-3				
		4	3.00000e-1	55.11518	5.44315e-3				
		5	5.00000e-1	89.42921	5.59101e-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
4.184	2	1	5.00000e-2	8.94917	5.58711e-3	No	No	2	Ethanol
		2	1.00000e-1	17.69526	5.65123e-3				
		3	2.00000e-1	36.00883	5.55419e-3				
		4	3.00000e-1	55.24957	5.42991e-3				
		5	5.00000e-1	89.69856	5.57423e-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
4.946	1	1	1.00000	90.64870	1.10316e-2	No	Yes	1	n-Propanol
		2	1.00000	89.20377	1.12103e-2				
		3	1.00000	90.16243	1.10911e-2				
		4	1.00000	91.49969	1.09290e-2				
		5	1.00000	88.56505	1.12911e-2				
7.629	2	1	1.00000	88.49025	1.13007e-2	No	Yes	2	n-Propanol
		2	1.00000	87.14352	1.14753e-2				
		3	1.00000	87.74084	1.13972e-2				
		4	1.00000	88.72485	1.12708e-2				
		5	1.00000	85.71897	1.16660e-2				

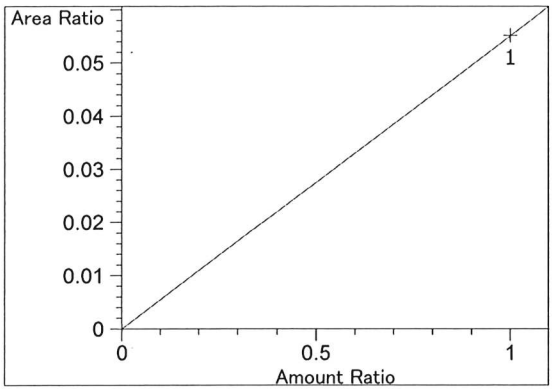
Peak Sum Table

No Entries in table

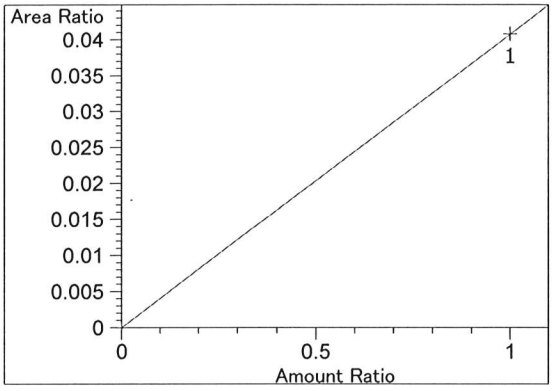
Calibration Curves



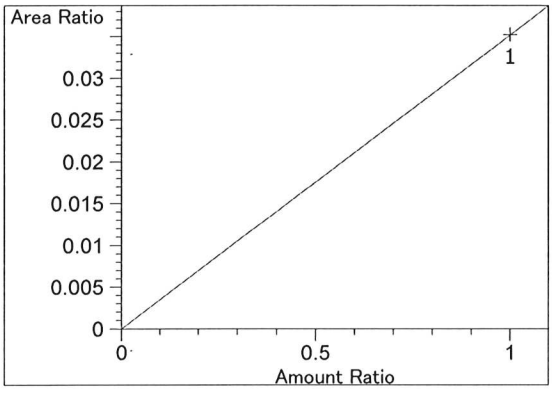
Difluoroethane at exp. RT: 1.977
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.20685e-2
x: Amount Ratio
y: Area Ratio



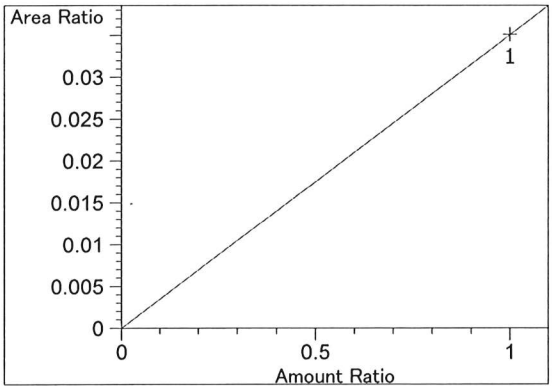
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.51580e-2
x: Amount Ratio
y: Area Ratio



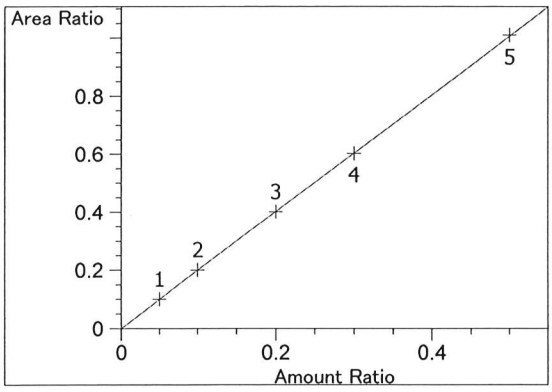
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.07805e-2
x: Amount Ratio
y: Area Ratio



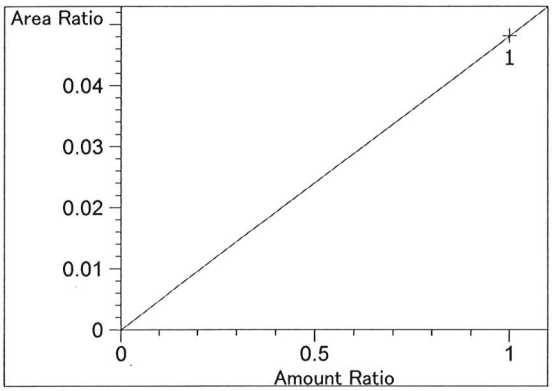
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.52251e-2
x: Amount Ratio
y: Area Ratio



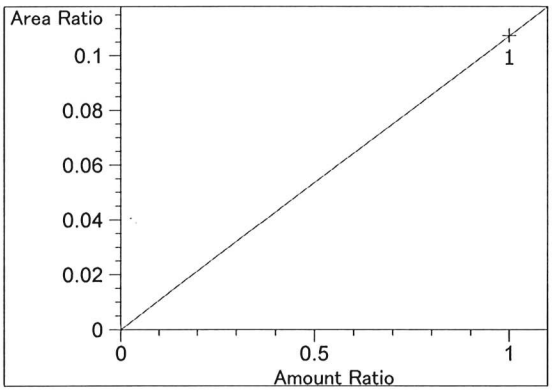
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.50971e-2
x: Amount Ratio
y: Area Ratio



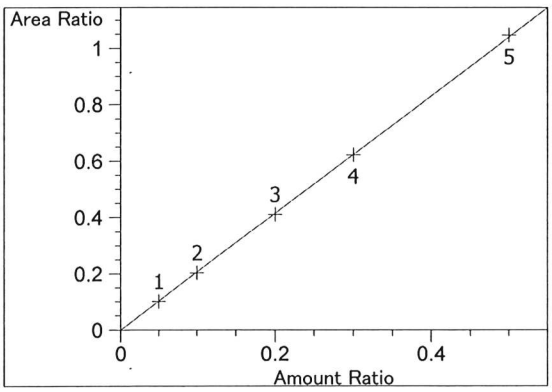
Ethanol at exp. RT: 3.111
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00191
Formula: y = mx
m: 2.01494
x: Amount Ratio
y: Area Ratio



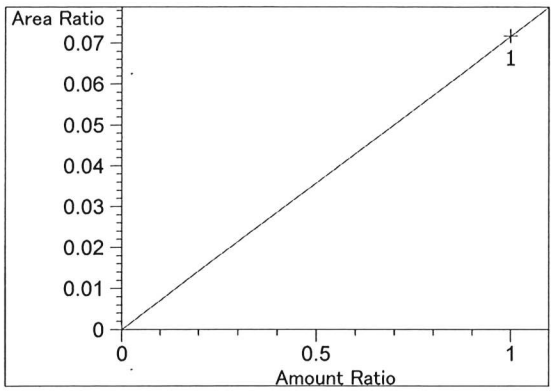
Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.81480e-2
x: Amount Ratio
y: Area Ratio



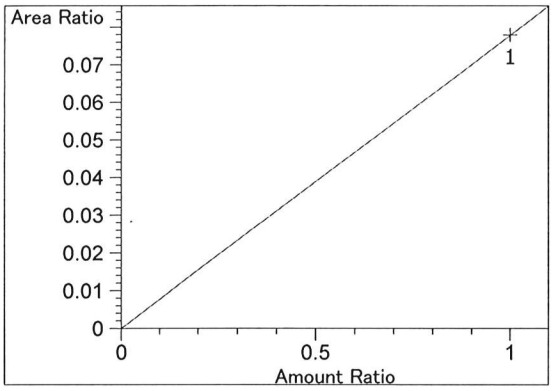
Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.07344e-1
x: Amount Ratio
y: Area Ratio



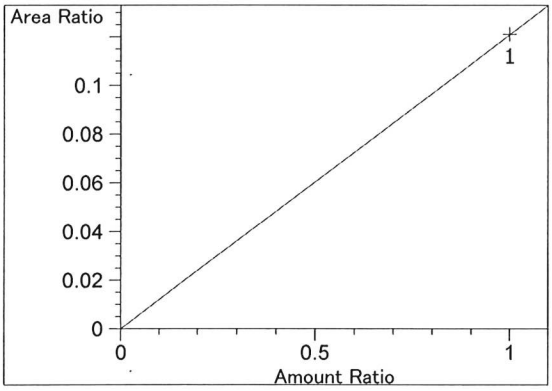
Ethanol at exp. RT: 4.184
FID2 B, Back Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00510
Formula: y = mx
m: 2.08272
x: Amount Ratio
y: Area Ratio



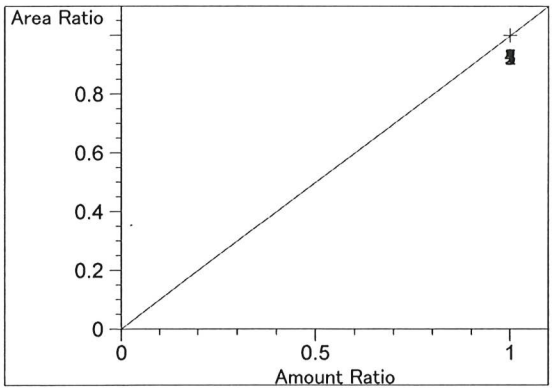
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.16988e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.78957e-2
x: Amount Ratio
y: Area Ratio

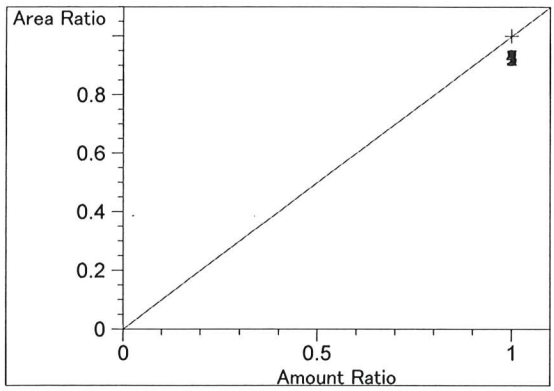


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.20990e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.946
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

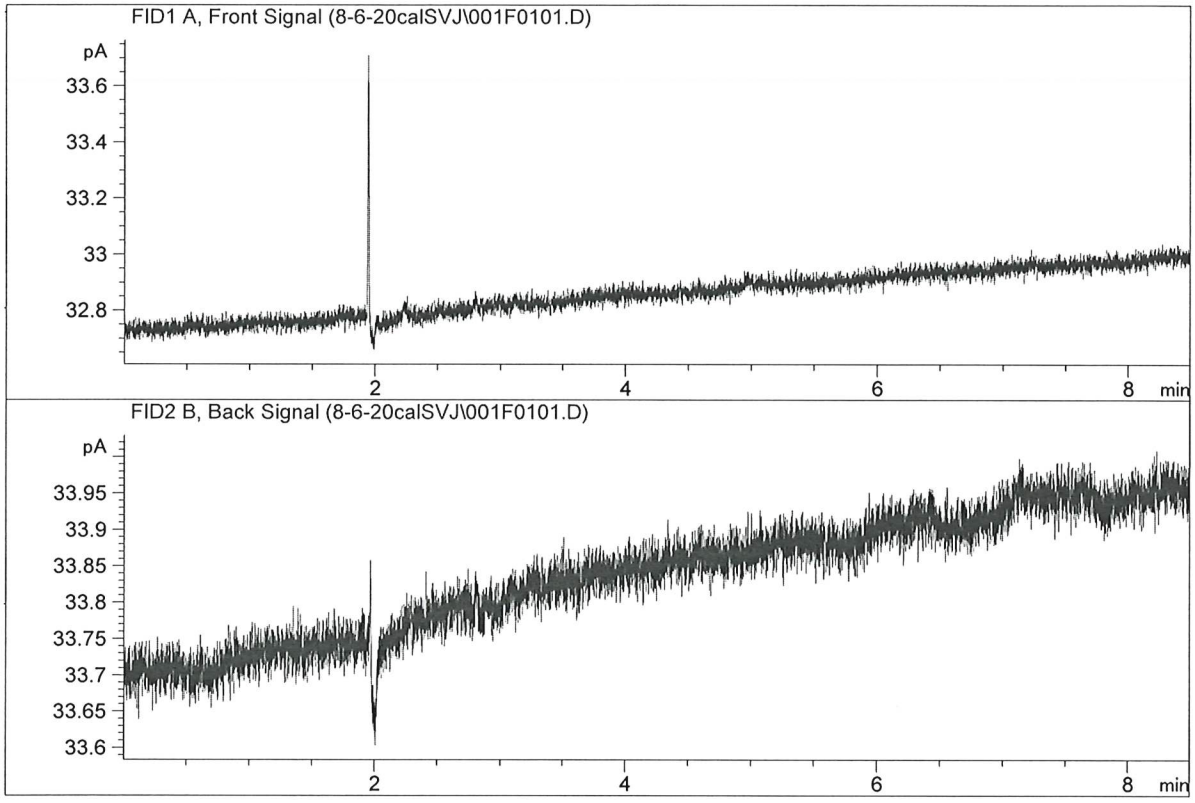


n-Propanol at exp. RT: 7.629
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

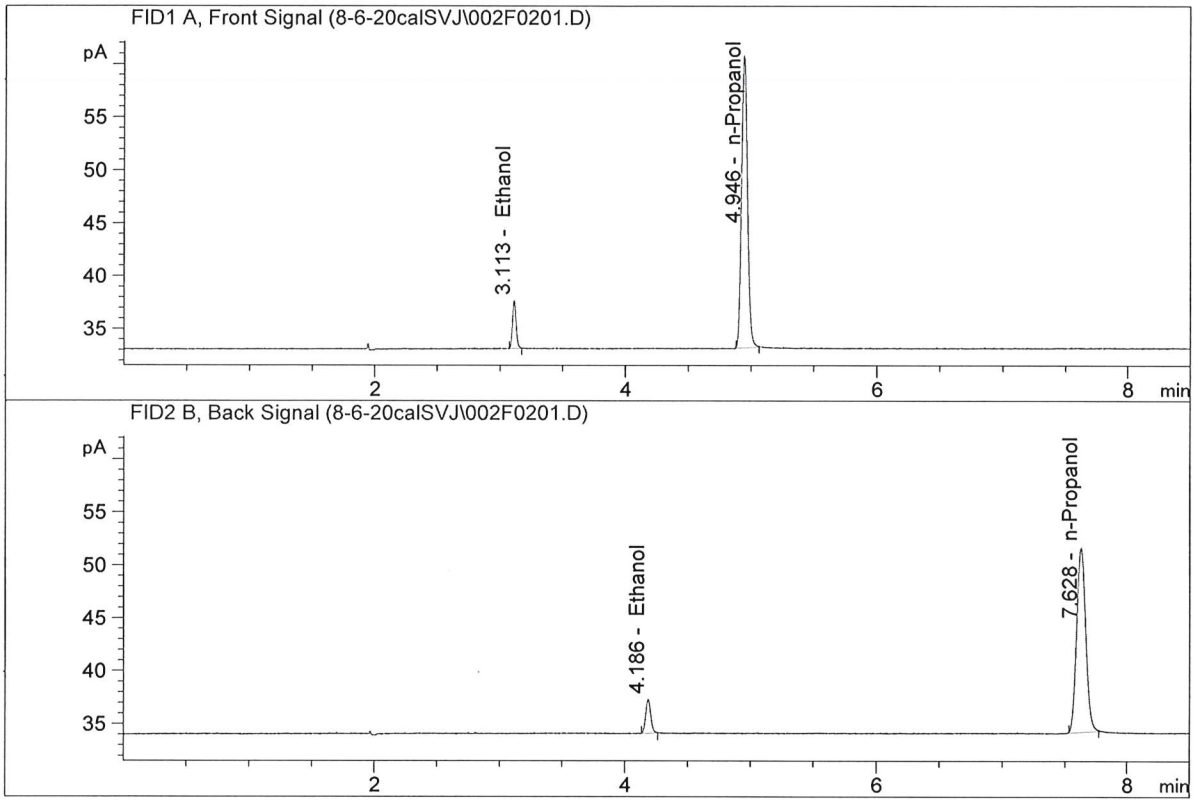
Sample Name : WATER
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

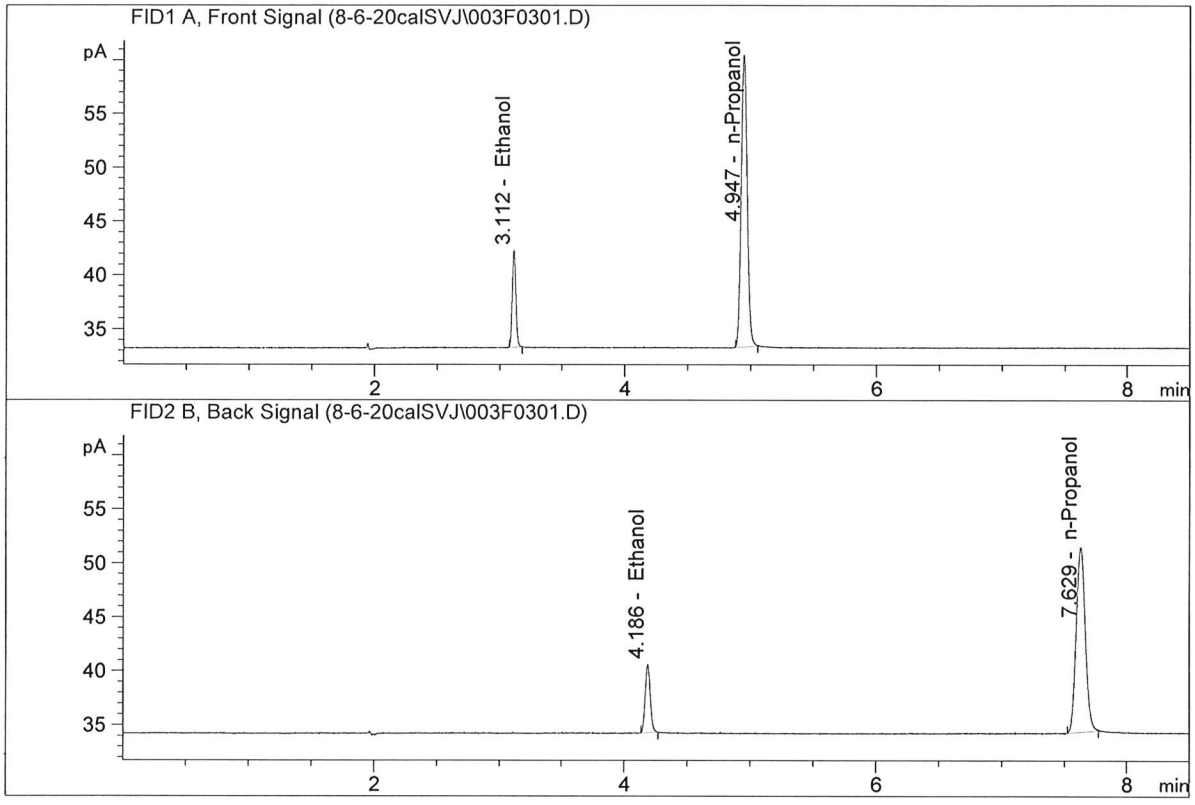
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.08346	0.0497	g/100cc
2.	Ethanol	Column 2:	8.94917	0.0486	g/100cc
3.	n-Propanol	Column 1:	90.64870	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.49025	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

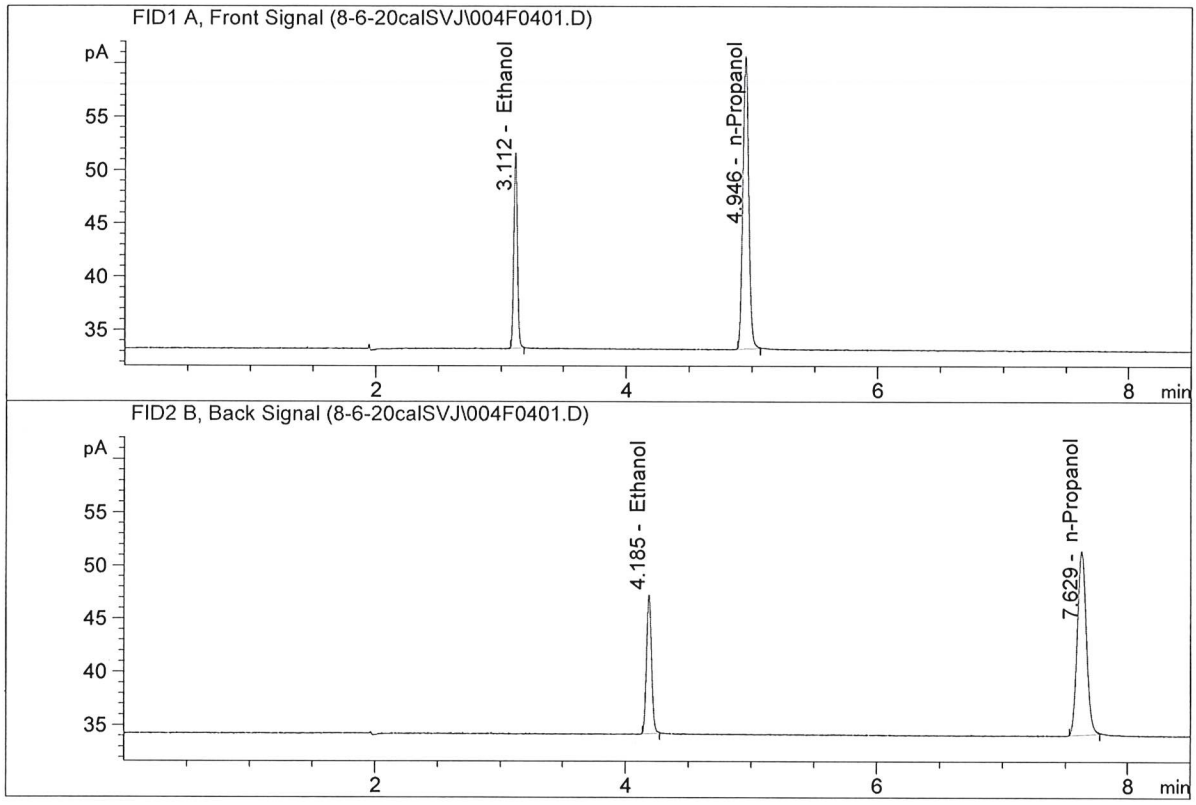
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.87726	0.0995	g/100cc
2.	Ethanol	Column 2:	17.69526	0.0975	g/100cc
3.	n-Propanol	Column 1:	89.20377	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.14352	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

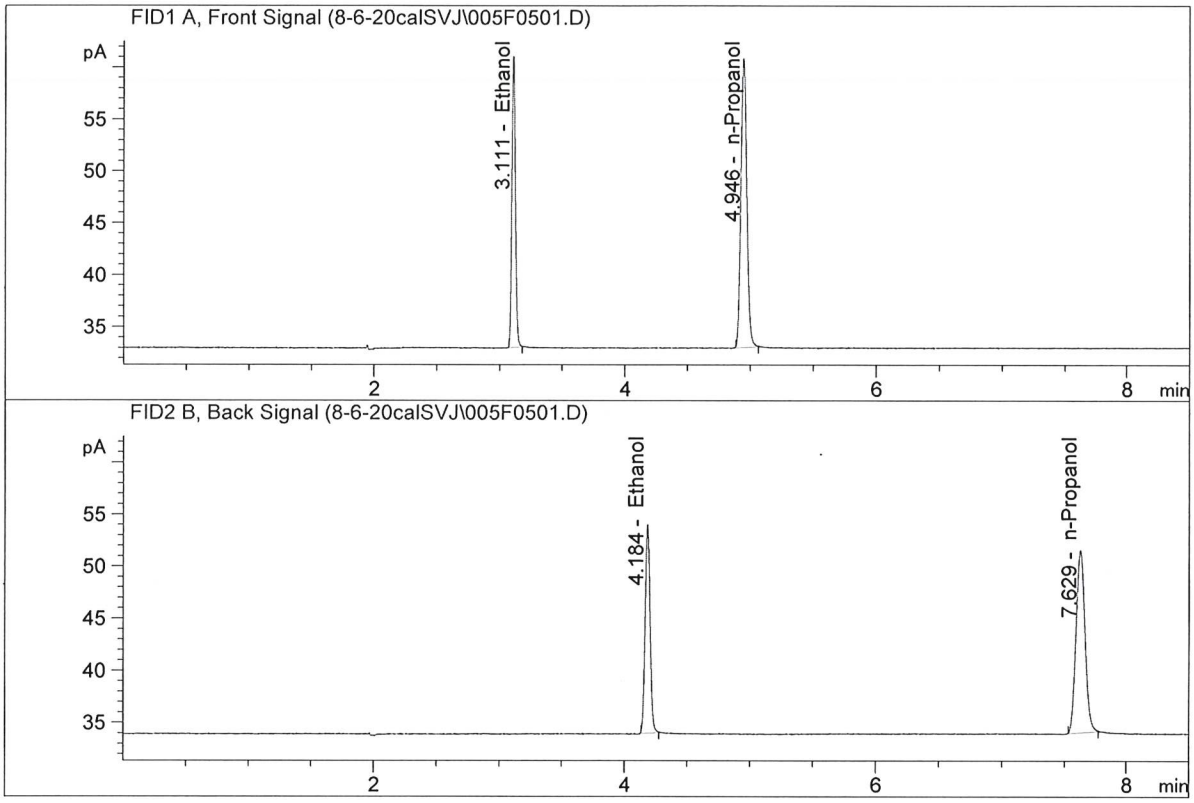
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.16845	0.1991	g/100cc
2.	Ethanol	Column 2:	36.00883	0.1970	g/100cc
3.	n-Propanol	Column 1:	90.16243	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.74084	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

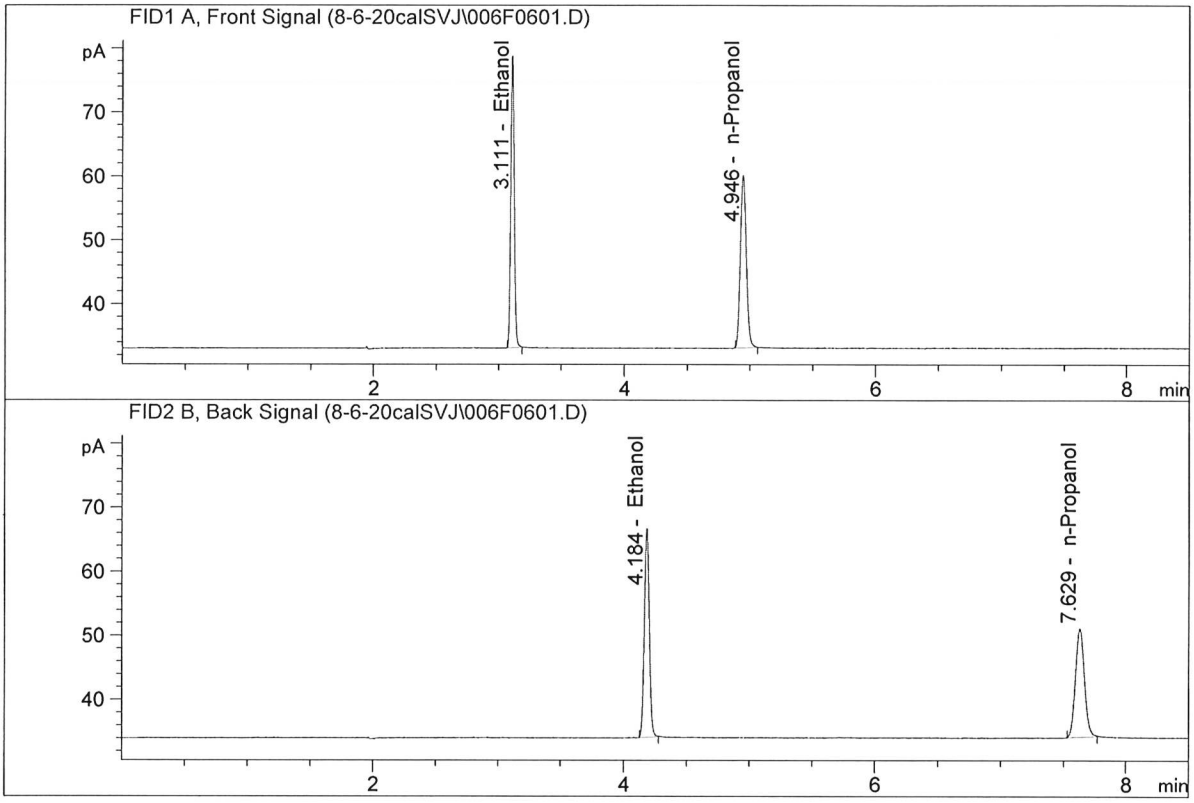
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	55.11518	0.2989	g/100cc
2.	Ethanol	Column 2:	55.24957	0.2990	g/100cc
3.	n-Propanol	Column 1:	91.49969	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.72485	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

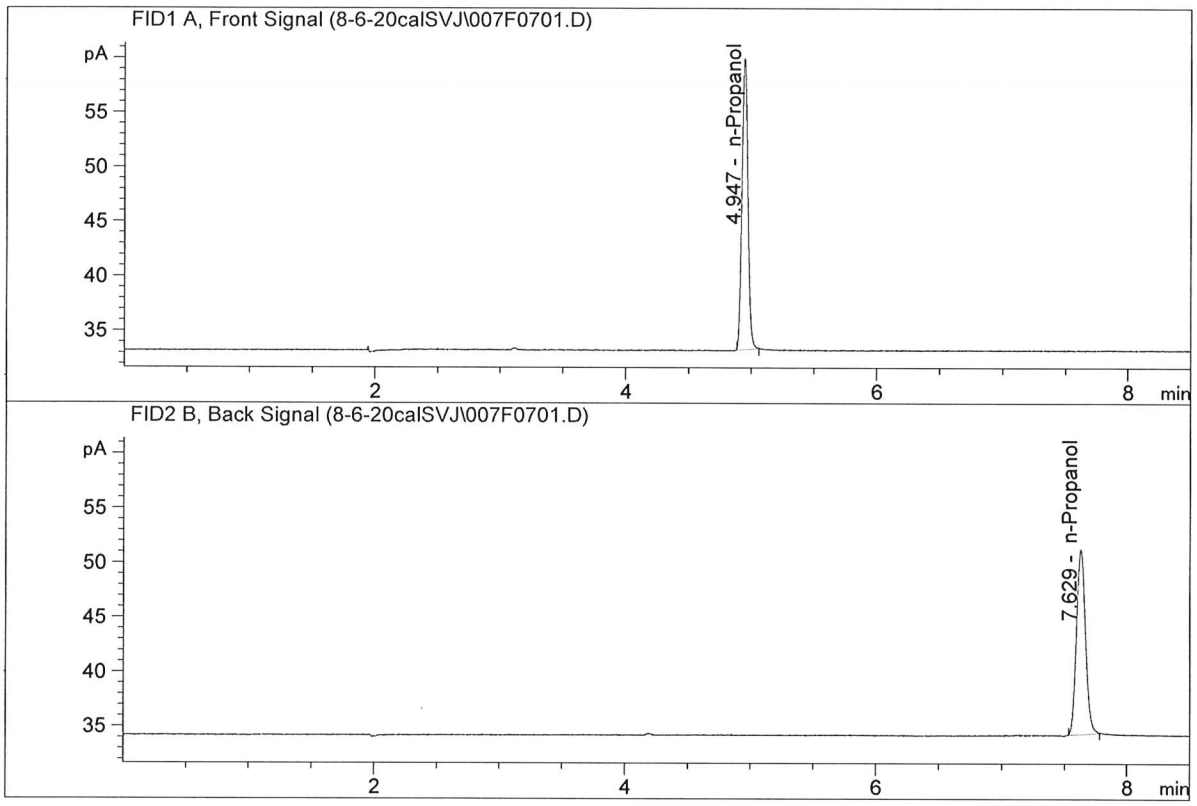
Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	89.42921	0.5011	g/100cc
2.	Ethanol	Column 2:	89.69856	0.5024	g/100cc
3.	n-Propanol	Column 1:	88.56505	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.71897	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 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:	87.83172	1.0000	g/100cc
4.	n-Propanol	Column 2:	86.07487	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_06.08.2020_08.57.16\8-6-20cal.S

Sample Summary

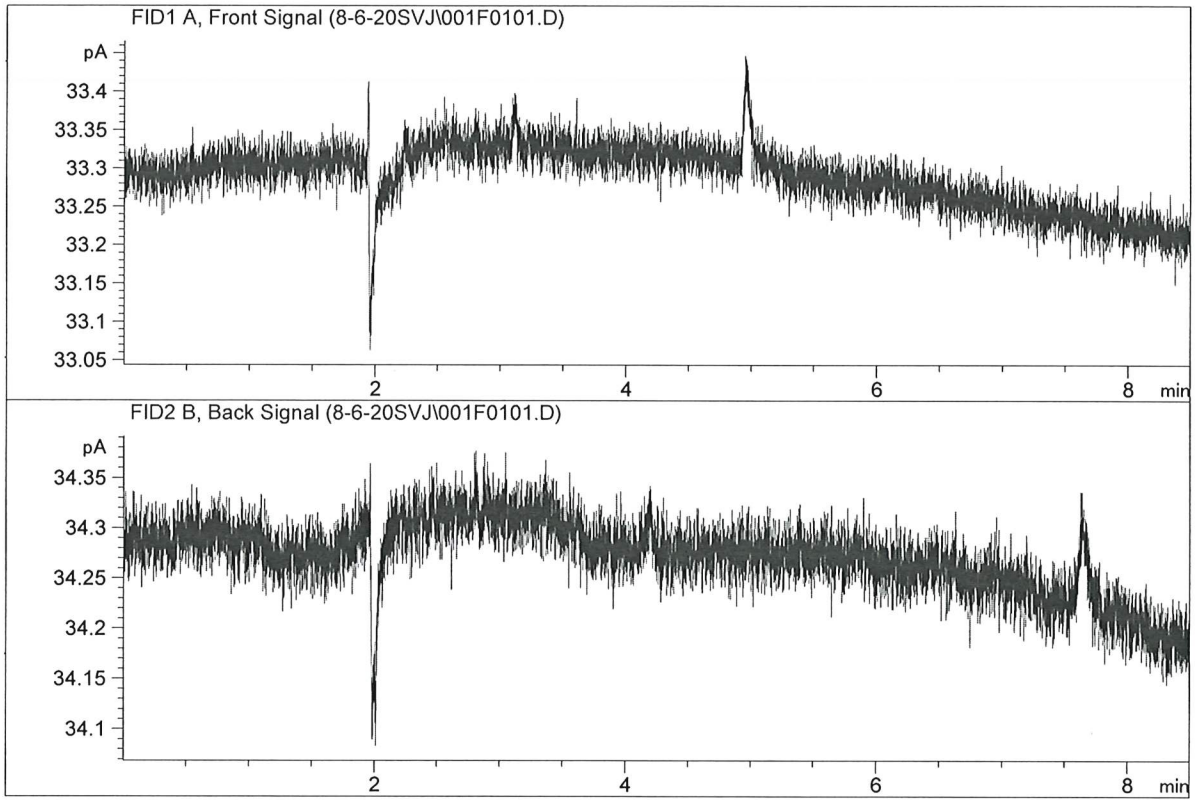
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_06.08.2020_08.57.16\8-6-20cal.S
Data directory path: C:\Chem32\1\Data\8-6-20calSVJ
Logbook: C:\Chem32\1\Data\8-6-20calSVJ\8-6-20cal.LOG
Sequence start: 8/6/2020 9:10:59 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

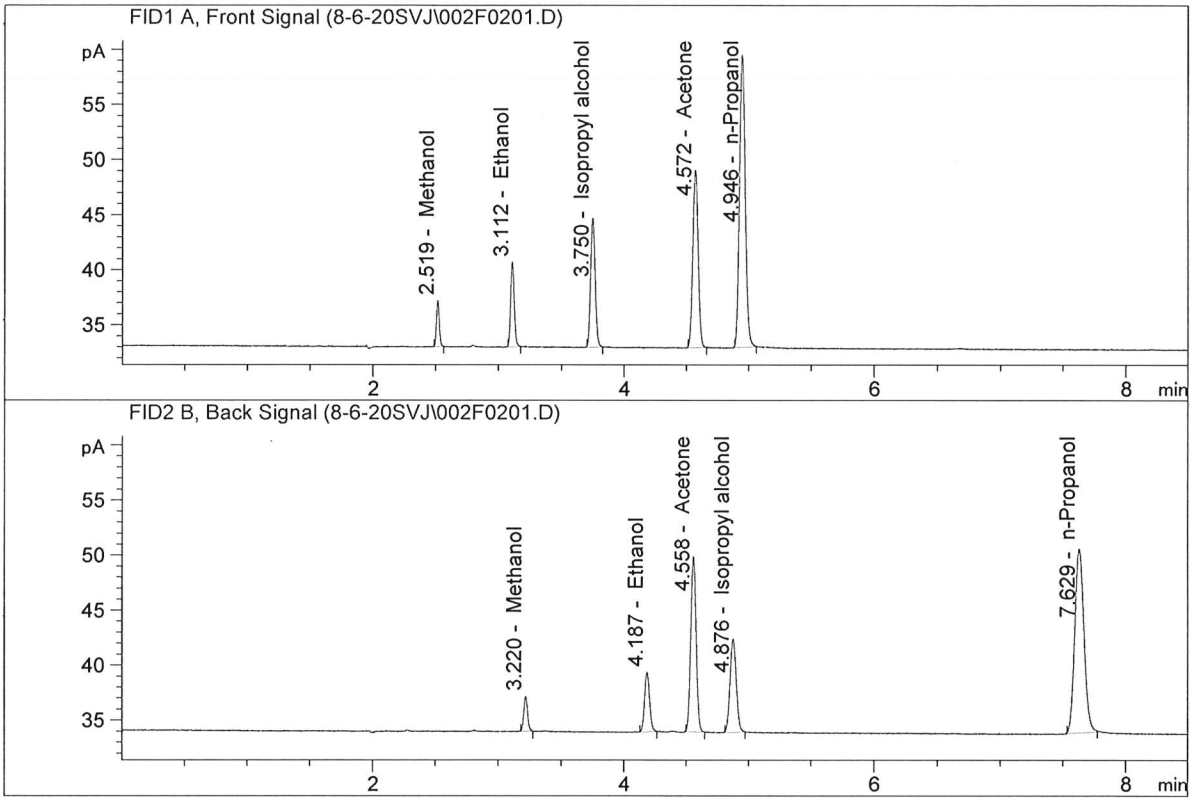
Sample Name : water-1
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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

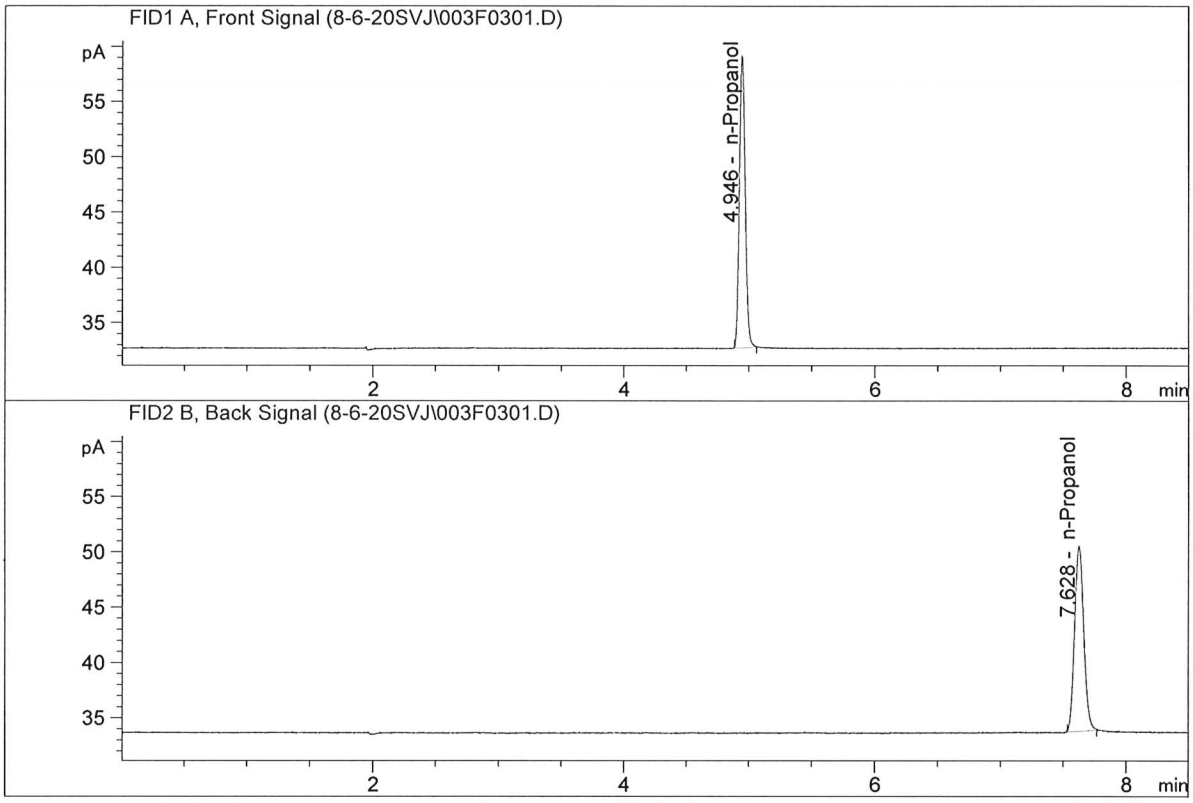
Sample Name : VOL MIX FN-06041502
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.23396	0.0870	g/100cc
2.	Ethanol	Column 2:	15.18103	0.0858	g/100cc
3.	n-Propanol	Column 1:	86.86346	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.00305	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 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:	86.71553	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.77163	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(1) **Analysis Date(s): 06 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0795	0.0775	0.0020	0.0785	0.0003	0.0783
(g/100cc)	0.0791	0.0773	0.0018	0.0782		

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%**

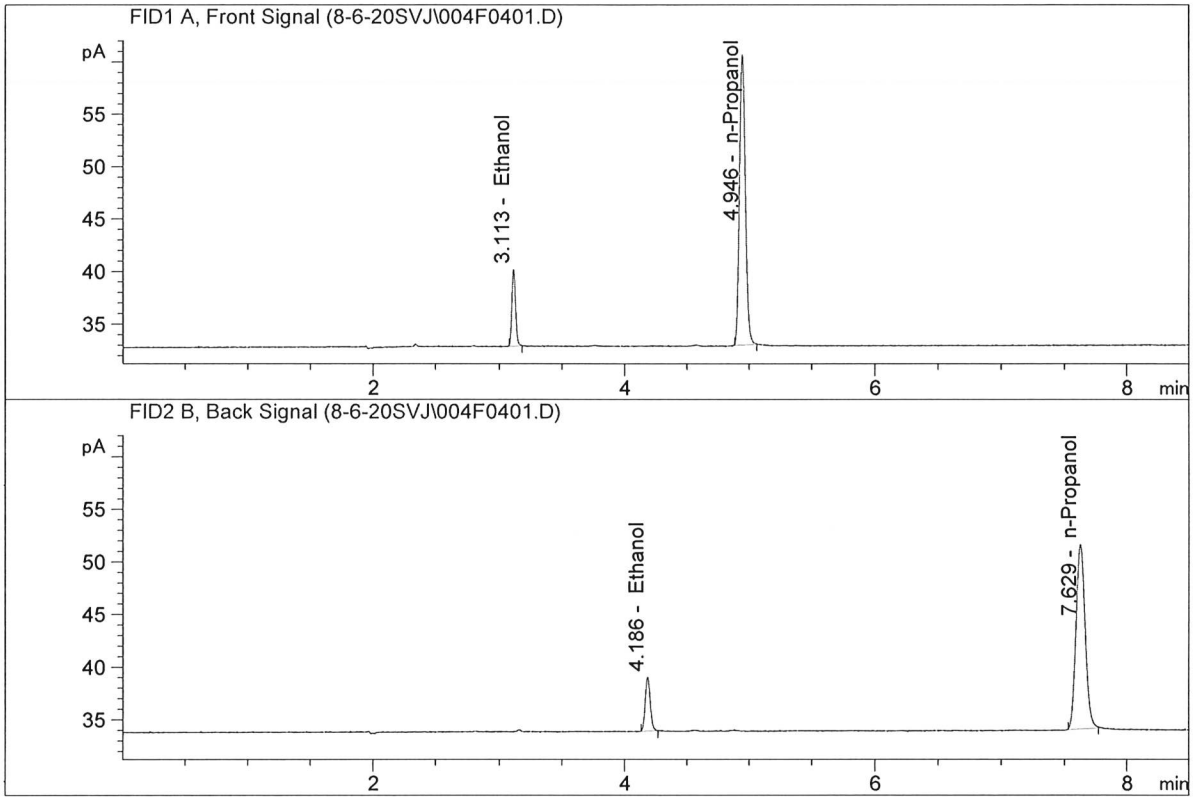
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

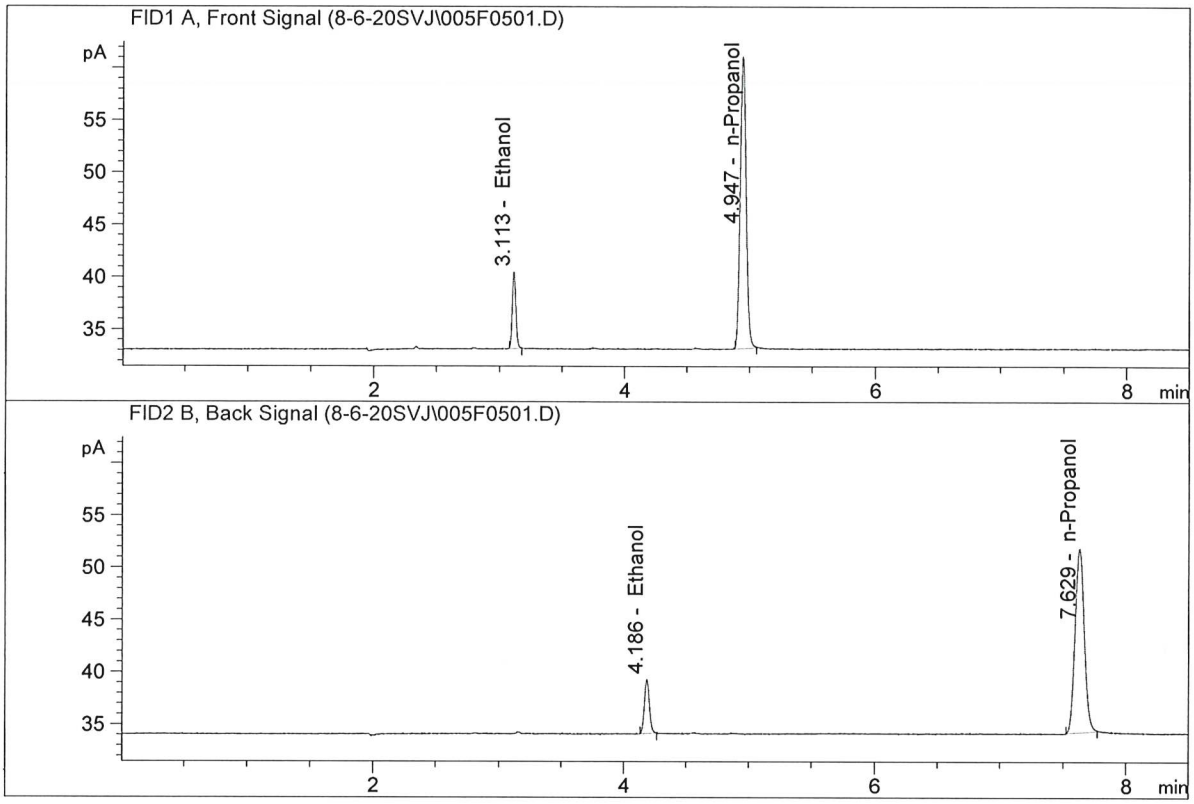
Sample Name : QC-1(1)-A
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.57023	0.0795	g/100cc
2.	Ethanol	Column 2:	14.38958	0.0775	g/100cc
3.	n-Propanol	Column 1:	91.01317	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.14372	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1(1)-B
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.56701	0.0791	g/100cc
2.	Ethanol	Column 2:	14.39065	0.0773	g/100cc
3.	n-Propanol	Column 1:	91.38610	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.43379	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09181807 **Analysis Date(s): 06 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0805	0.0787	0.0018	0.0796	0.0000	0.0796
(g/100cc)	0.0802	0.0790	0.0012	0.0796		

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

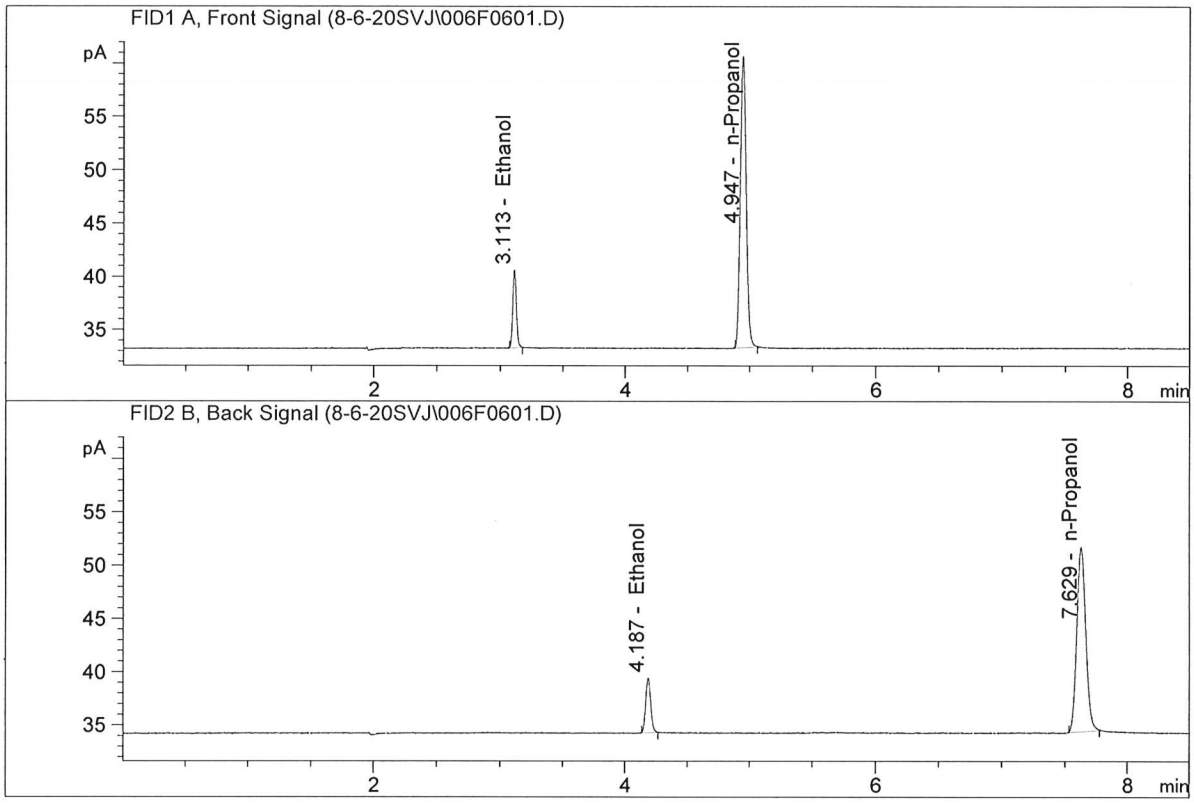
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

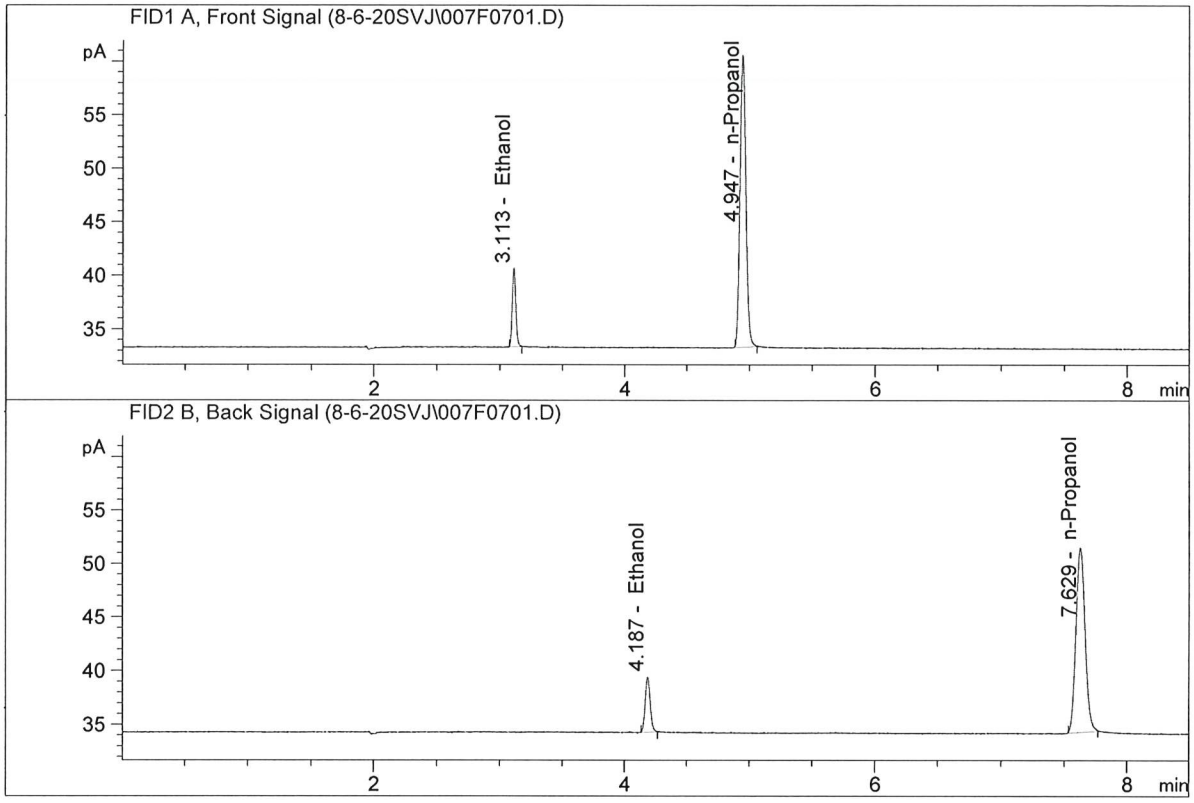
Sample Name : 0.08 FN09181807-A
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.53987	0.0805	g/100cc
2.	Ethanol	Column 2:	14.37069	0.0787	g/100cc
3.	n-Propanol	Column 1:	89.64637	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.70343	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09181807-B
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.45724	0.0802	g/100cc
2.	Ethanol	Column 2:	14.36754	0.0790	g/100cc
3.	n-Propanol	Column 1:	89.41010	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.28446	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2(1) **Analysis Date(s): 06 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1976	0.1954	0.0022	0.1965	0.0099	0.2014
(g/100cc)	0.2076	0.2052	0.0024	0.2064		

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
0.201	**0.190**	**0.212**	**0.011**

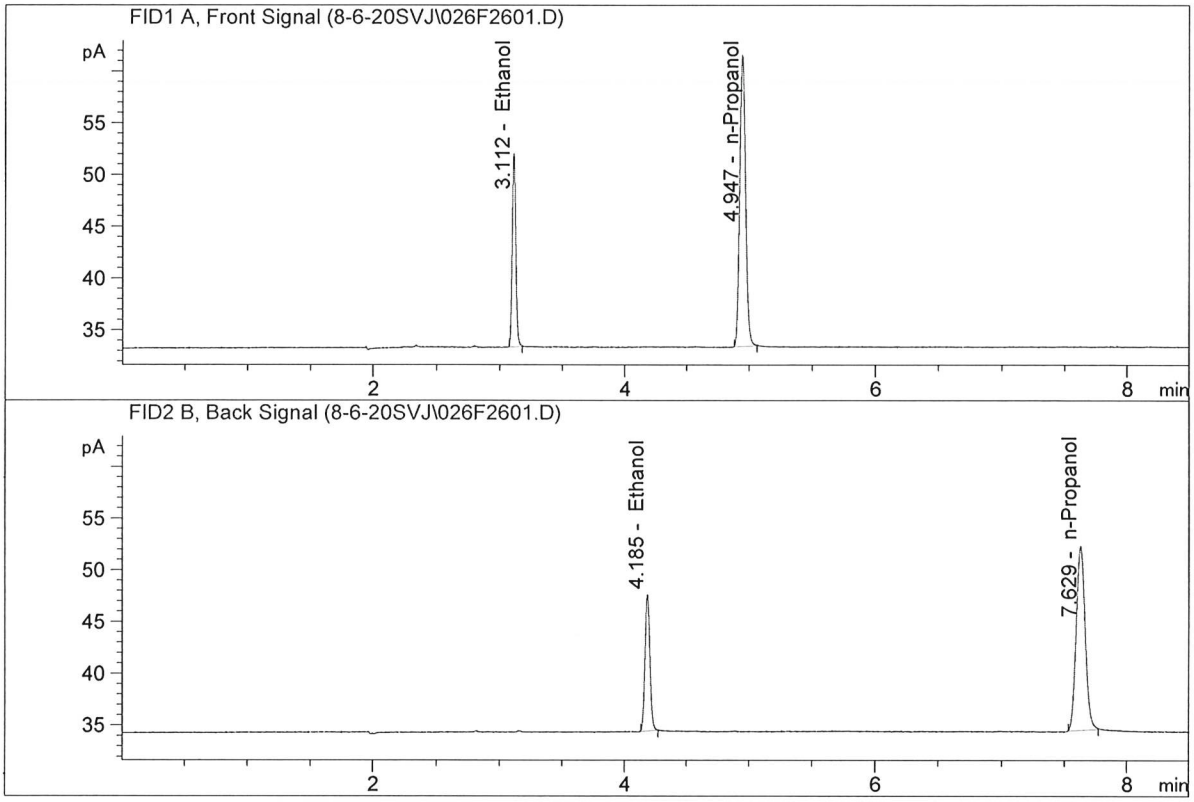
Reported Result

0.201

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

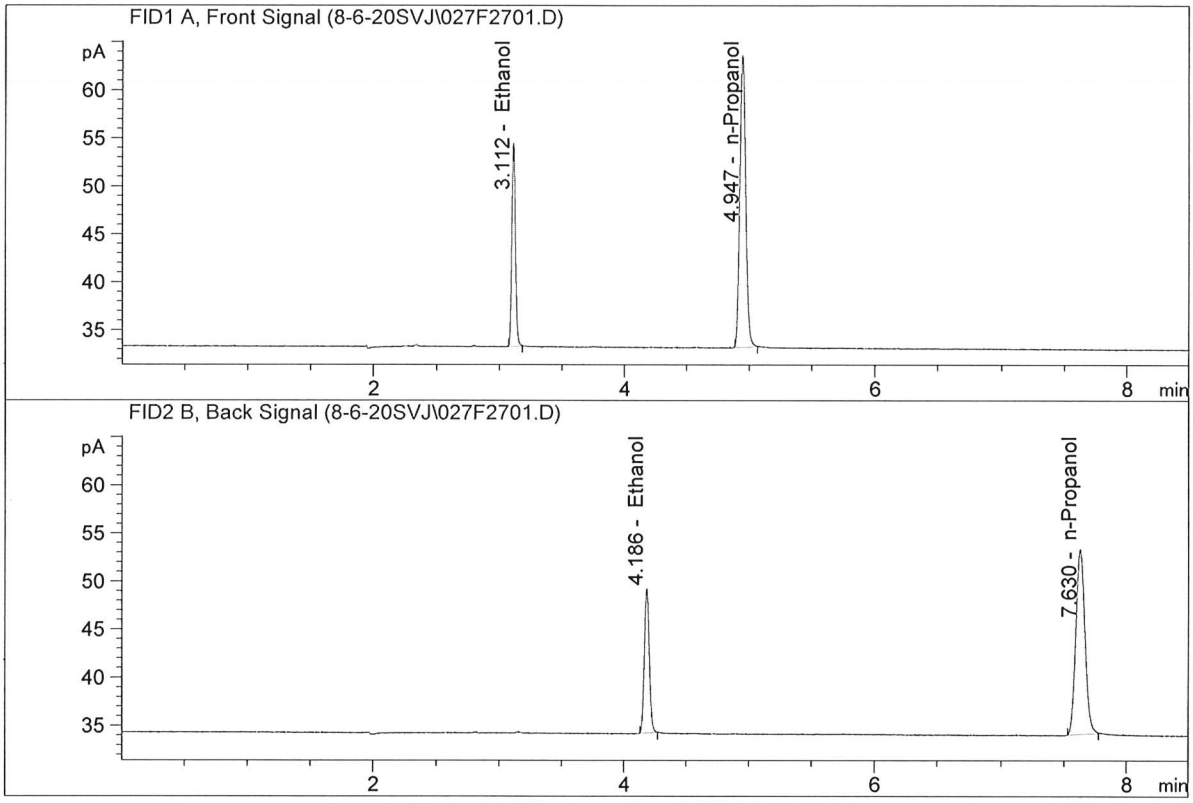
Sample Name : QC-2(1)-A
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.73349	0.1976	g/100cc
2.	Ethanol	Column 2:	36.60791	0.1954	g/100cc
3.	n-Propanol	Column 1:	92.25658	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.97541	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2(1)-B
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	41.71409	0.2076	g/100cc
2.	Ethanol	Column 2:	41.64280	0.2052	g/100cc
3.	n-Propanol	Column 1:	99.72766	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.46217	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1(2) **Analysis Date(s): 06 Aug 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0794	0.0014	0.0801	0.0013	0.0794
(g/100cc)	0.0794	0.0782	0.0012	0.0788		

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%**

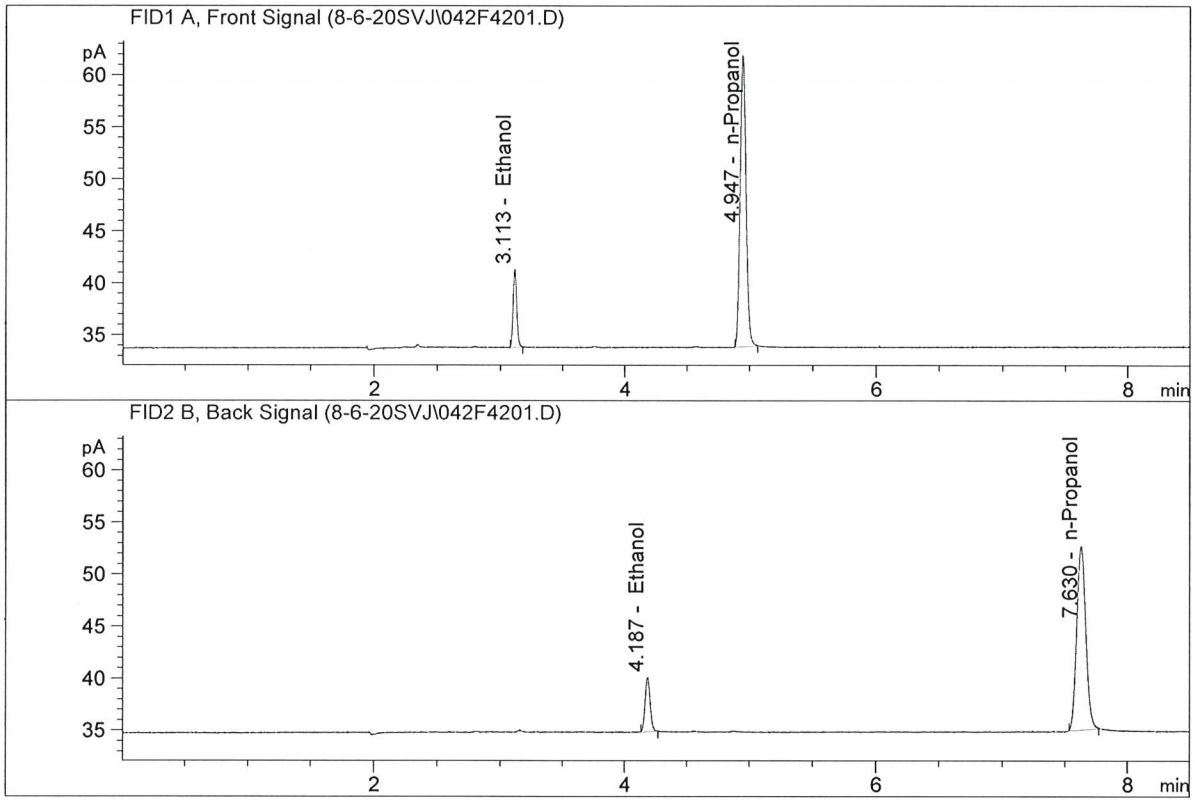
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

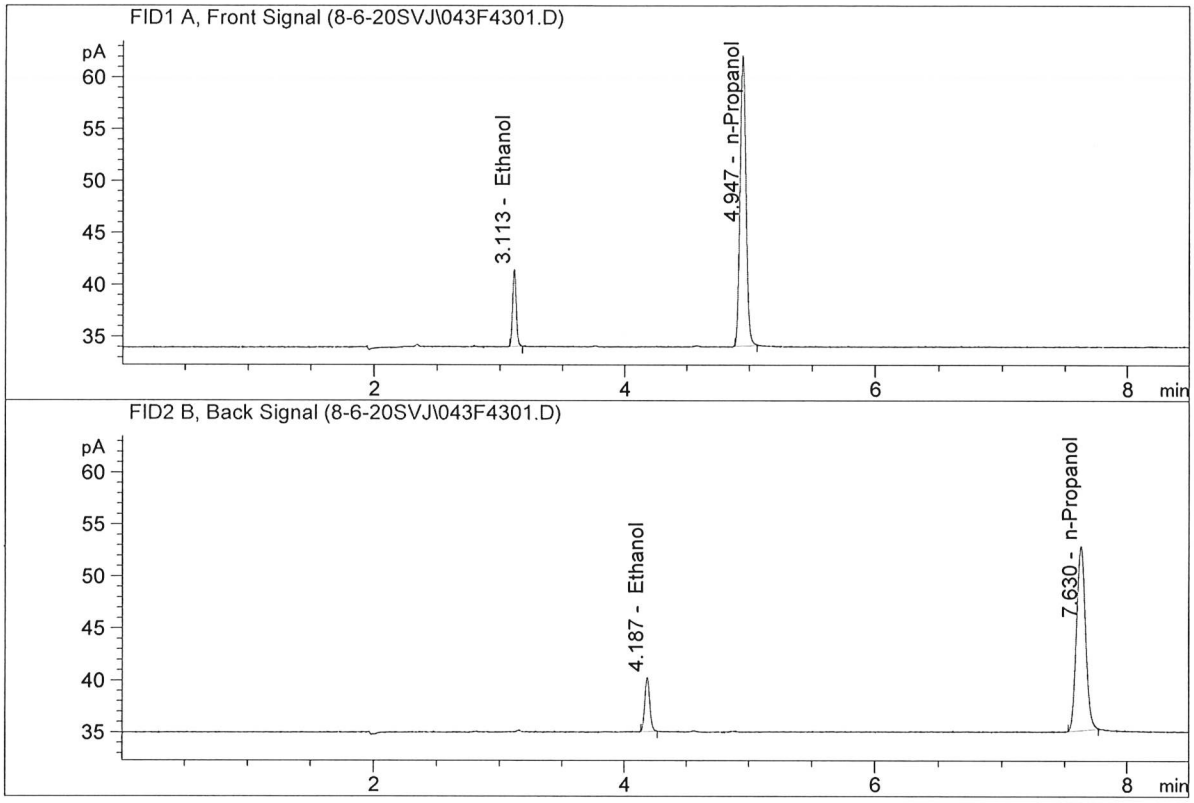
Sample Name : QC-1(2)-A
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.91916	0.0808	g/100cc
2.	Ethanol	Column 2:	14.78591	0.0794	g/100cc
3.	n-Propanol	Column 1:	91.65496	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.46316	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

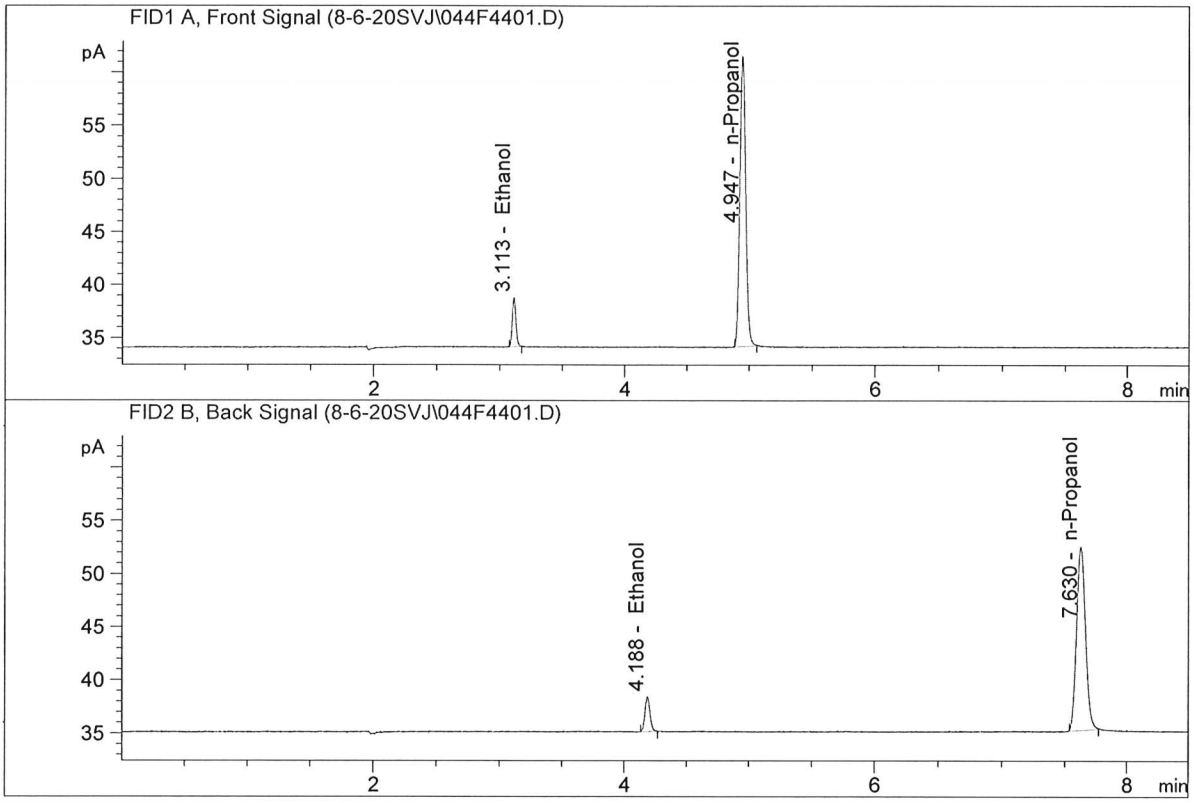
Sample Name : QC-1(2)-B
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.68054	0.0794	g/100cc
2.	Ethanol	Column 2:	14.59558	0.0782	g/100cc
3.	n-Propanol	Column 1:	91.71091	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.66223	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

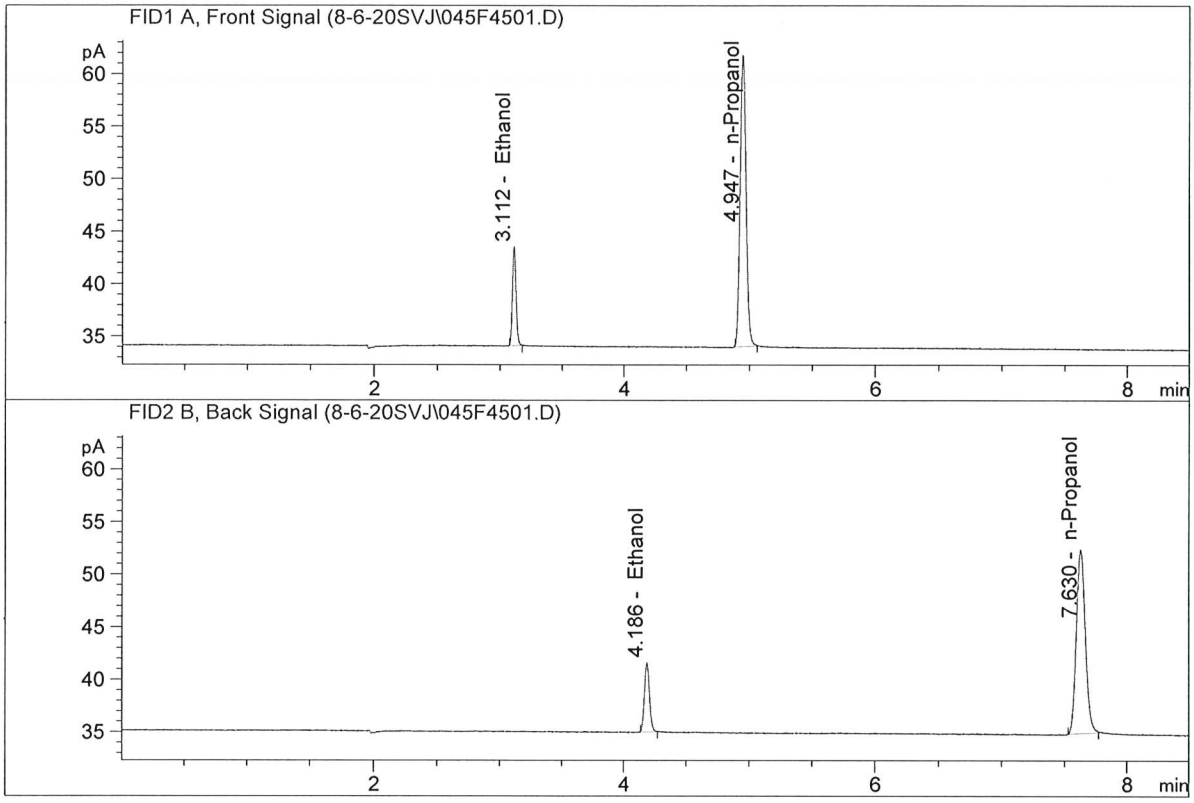
Sample Name : 0.05 CHECK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.25702	0.0513	g/100cc
2.	Ethanol	Column 2:	9.15390	0.0502	g/100cc
3.	n-Propanol	Column 1:	89.62534	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.54637	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

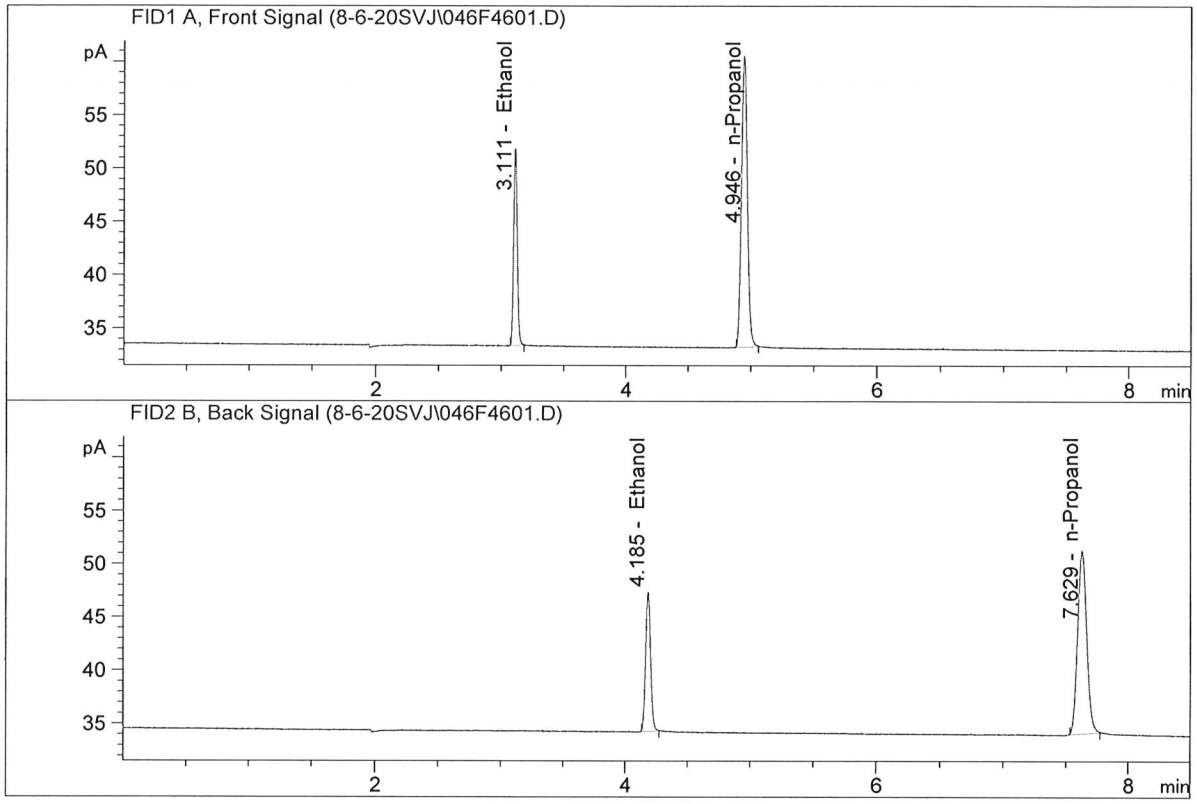
Sample Name : 0.100 CHECK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.56667	0.1012	g/100cc
2.	Ethanol	Column 2:	18.35725	0.0993	g/100cc
3.	n-Propanol	Column 1:	91.07082	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.74287	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

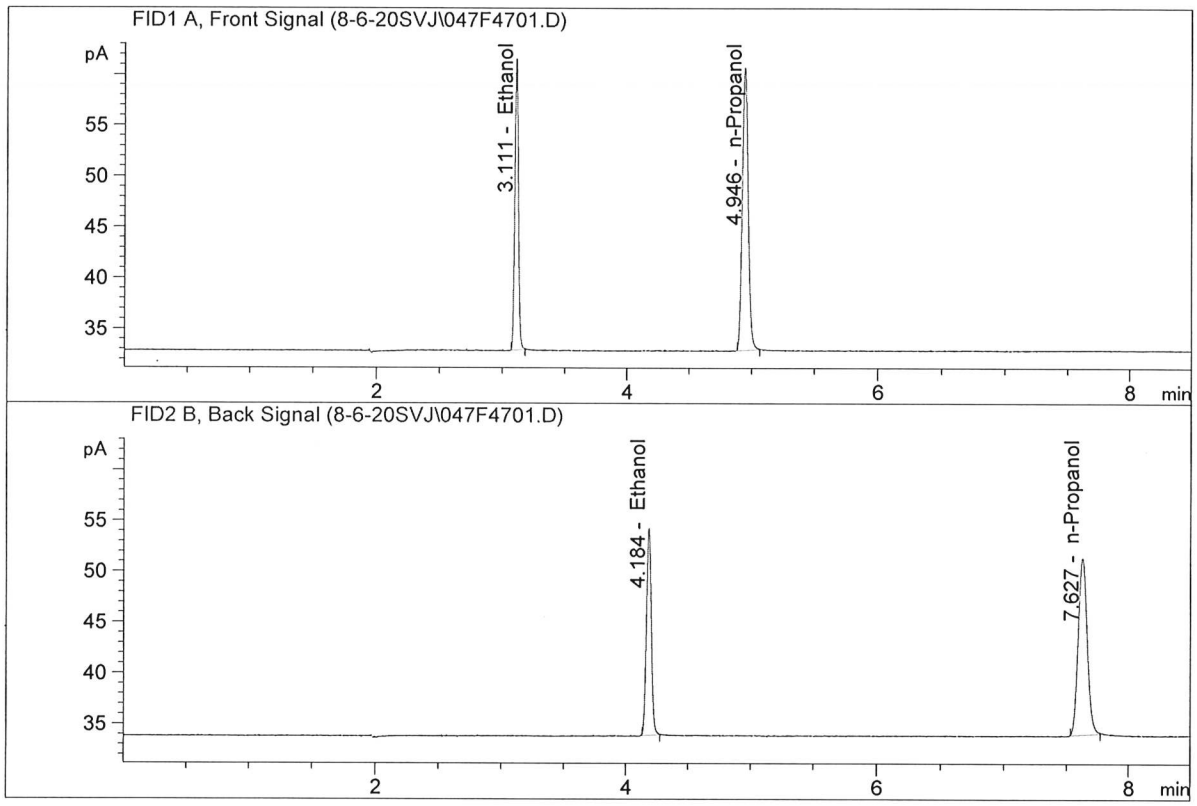
Sample Name : 0.200 CHECK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.44666	0.2020	g/100cc
2.	Ethanol	Column 2:	36.30182	0.2001	g/100cc
3.	n-Propanol	Column 1:	89.52494	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.12505	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

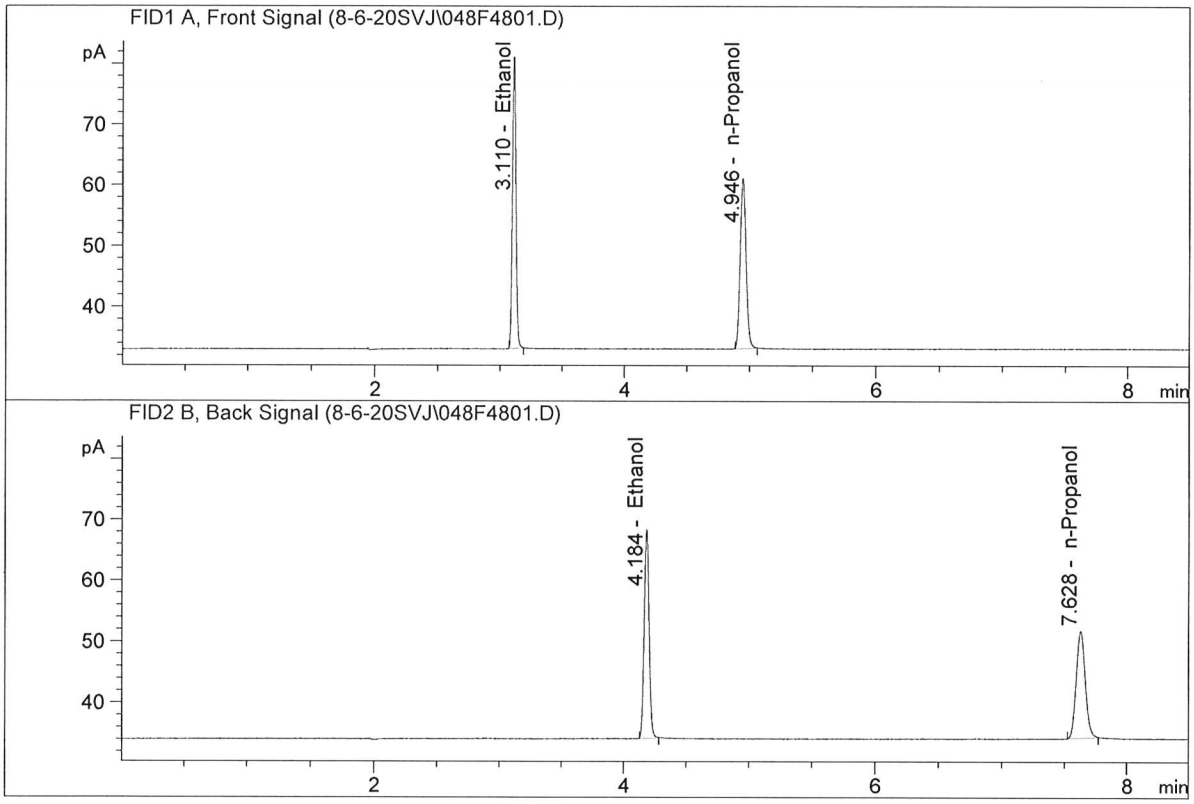
Sample Name : 0.300 CHECK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.41020	0.3067	g/100cc
2.	Ethanol	Column 2:	56.37548	0.3059	g/100cc
3.	n-Propanol	Column 1:	91.26868	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.48495	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

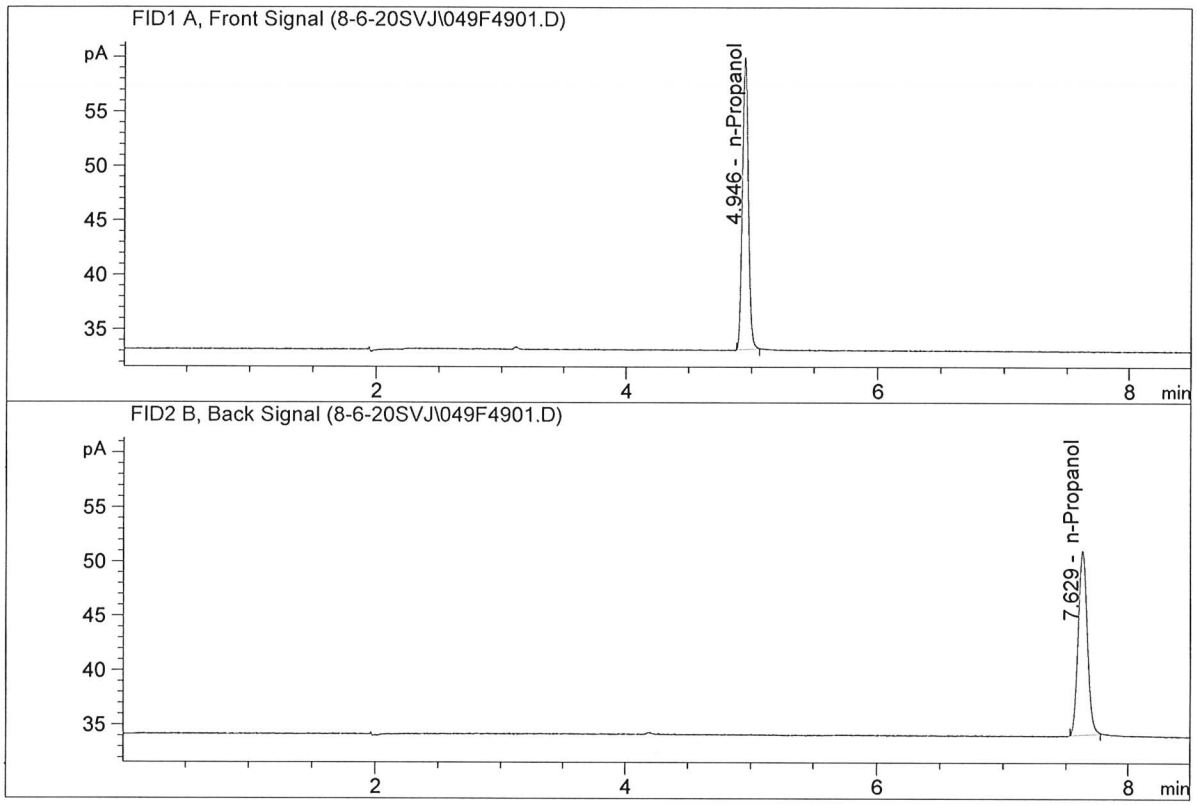
Sample Name : 0.500 CHECK
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.94327	0.5089	g/100cc
2.	Ethanol	Column 2:	94.11391	0.5087	g/100cc
3.	n-Propanol	Column 1:	91.62391	1.0000	g/100cc
4.	n-Propanol	Column 2:	88.83604	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

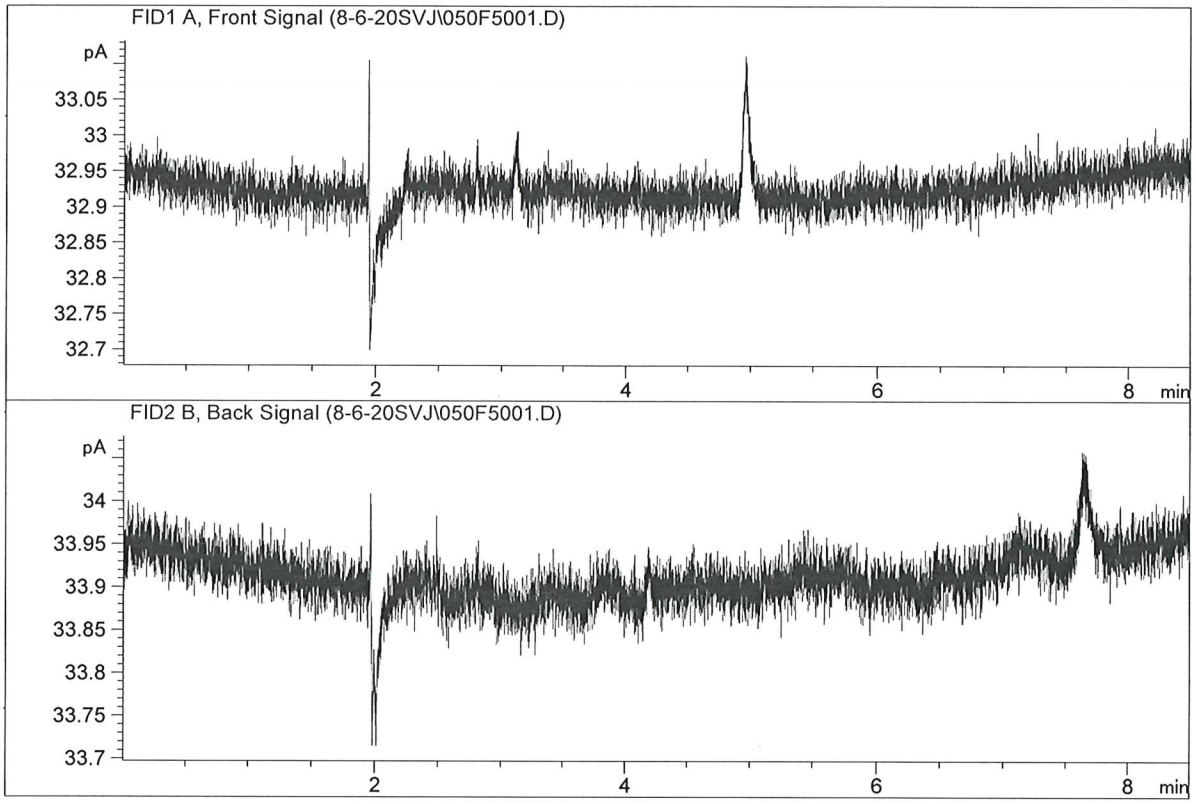
Sample Name : ISTD BLANK-2
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	87.82849	1.0000	g/100cc
4.	n-Propanol	Column 2:	85.92085	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : water-2
Laboratory : Coeur d' Alene
Injection Date : Aug 6, 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