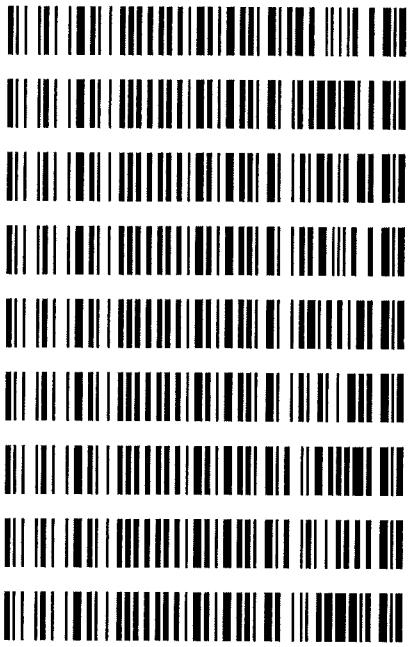
Worklist: 3653

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
C2019-1580	1	160466	Alcohol Analysis
C2019-1587	1	160648	Alcohol Analysis
C2019-1589	1	160707	Alcohol Analysis
C2019-1590	1	160710	Alcohol Analysis
C2019-1592	1	161441	Alcohol Analysis
C2019-1594	1	160720	Alcohol Analysis
C2019-1628	1	160995	Alcohol Analysis
C2019-1629	1	161024	Alcohol Analysis
C2019-1639	1	161360	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): 8/29/19**

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
					0.0801 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1996 g/100cc
					0.2001 g/100cc
					g/100cc

Multi-Component mixture:	**Sep-20**	**Lot #**	FN06041502		OK
Curve Fit:	**Column 1**	1.00000	**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	0.0496	0.0493	0.0003	0.0494
100	0.100	0.090 - 0.110	0.0982	0.0980	0.0002	0.0981
200	0.200	0.180 - 0.220	0.1965	0.1974	0.0009	0.1969
300	0.300	0.270 - 0.330	0.3002	0.3007	0.0005	0.3004
500	0.500	0.450 - 0.550			0.0000	#DIV/0!

Aqueous Controls

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

REVIEWED
By Rachel Cutler at 11:37 am, Sep 11, 2019

Revision: 1
Issue Date: 01/03/2019
Issuing Authority: Quality Manager

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.08.2019_08.50.08\8-29-2019.S
Data directory path: C:\Chem32\1\Data\8-29-2019-JJ
Logbook: C:\Chem32\1\Data\8-29-2019-JJ\8-29-2019.LOG
Sequence start: 8/29/2019 9:03:53 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 #2	-	1.0000	003F0301.D	2
4	4	1	QC-1-A	-	1.0000	004F0401.D	4
5	5	1	QC-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	19080-766-A	-	1.0000	008F0801.D	4
9	9	1	19080-766-B	-	1.0000	009F0901.D	4
10	10	1	19080-769-A	-	1.0000	010F1001.D	4
11	11	1	19080-769-B	-	1.0000	011F1101.D	4
12	12	1	19100-246-A	-	1.0000	012F1201.D	4
13	13	1	19100-246-B	-	1.0000	013F1301.D	4
14	14	1	19100-316-A	-	1.0000	014F1401.D	4
15	15	1	19100-316-B	-	1.0000	015F1501.D	4
16	16	1	19200-351-A	-	1.0000	016F1601.D	4
17	17	1	19200-351-B	-	1.0000	017F1701.D	4
18	18	1	19200-387-A	-	1.0000	018F1801.D	4
19	19	1	19200-387-B	-	1.0000	019F1901.D	4
20	20	1	C2019-1580-1-A	-	1.0000	020F2001.D	6
21	21	1	C2019-1580-1-B	-	1.0000	021F2101.D	6
22	22	1	C2019-1587-1-A	-	1.0000	022F2201.D	2
23	23	1	C2019-1587-1-B	-	1.0000	023F2301.D	2
24	24	1	C2019-1589-1-A	-	1.0000	024F2401.D	4
25	25	1	C2019-1589-1-B	-	1.0000	025F2501.D	4
26	26	1	QC-2-A	-	1.0000	026F2601.D	4
27	27	1	QC-2-B	-	1.0000	027F2701.D	4
28	28	1	C2019-1590-1-A	-	1.0000	028F2801.D	3
29	29	1	C2019-1590-1-B	-	1.0000	029F2901.D	2
30	30	1	C2019-1592-1-A	-	1.0000	030F3001.D	2
31	31	1	C2019-1592-1-B	-	1.0000	031F3101.D	2
32	32	1	C2019-1594-1-A	-	1.0000	032F3201.D	4
33	33	1	C2019-1594-1-B	-	1.0000	033F3301.D	4
34	34	1	C2019-1628-1-A	-	1.0000	034F3401.D	2
35	35	1	C2019-1628-1-B	-	1.0000	035F3501.D	2
36	36	1	C2019-1629-1-A	-	1.0000	036F3601.D	4
37	37	1	C2019-1629-1-B	-	1.0000	037F3701.D	4
38	38	1	C2019-1639-1-A	-	1.0000	038F3801.D	4
39	39	1	C2019-1639-1-B	-	1.0000	039F3901.D	4
40	40	1	QC-1-A	-	1.0000	040F4001.D	4
41	41	1	QC-1-B	-	1.0000	041F4101.D	4
42	42	1	QC-2-A	-	1.0000	042F4201.D	4
43	43	1	QC-2-B	-	1.0000	043F4301.D	4
44	44	1	ISTD BLANK #3	-	1.0000	044F4401.D	2
45	45	1	water #2	-	1.0000	045F4501.D	0
46	46	1	0.05 DIAGNOSTIC	-	1.0000	046F4601.D	4

99

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_29.08.2019_08.50.08\8-29-2019.S

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

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Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, August 29, 2019 8:34:14 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

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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	9.40298	5.31746e-3	No	No	1	Ethanol
		2	1.00000e-1	18.54589	5.39203e-3				
		3	2.00000e-1	37.29691	5.36237e-3				
		4	3.00000e-1	56.62060	5.29843e-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
4.181	2	1	5.00000e-2	9.30212	5.37512e-3	No	No	2	Ethanol
		2	1.00000e-1	18.30657	5.46252e-3				
		3	2.00000e-1	36.81116	5.43313e-3				
		4	3.00000e-1	55.78347	5.37794e-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	93.59866	1.06839e-2	No	Yes	1	n-Propanol
		2	1.00000	93.18541	1.07313e-2				
		3	1.00000	93.62900	1.06805e-2				
		4	1.00000	94.56124	1.05752e-2				
		5	1.00000	94.93494	1.05335e-2				
7.624	2	1	1.00000	92.33427	1.08302e-2	No	Yes	2	n-Propanol
		2	1.00000	91.38275	1.09430e-2				
		3	1.00000	91.20226	1.09646e-2				
		4	1.00000	91.66837	1.09089e-2				
		5	1.00000	91.86124	1.08860e-2				

Peak Sum Table

No Entries in table

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Calibration Curves

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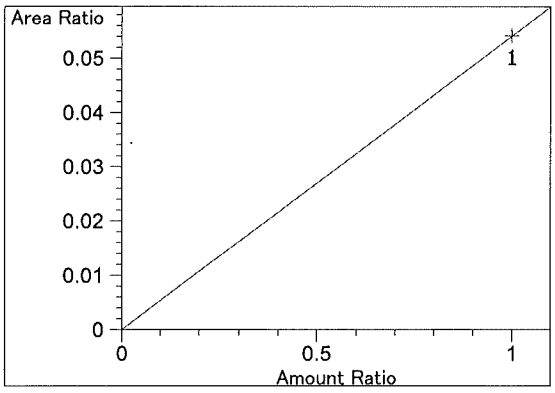
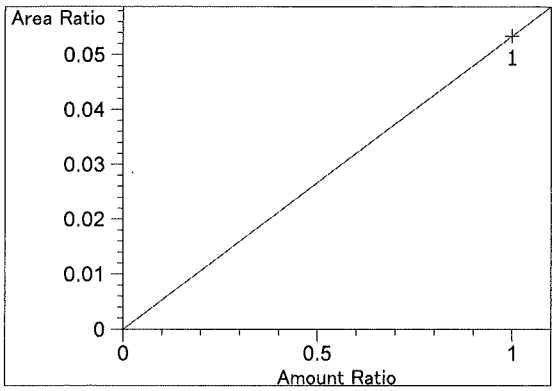
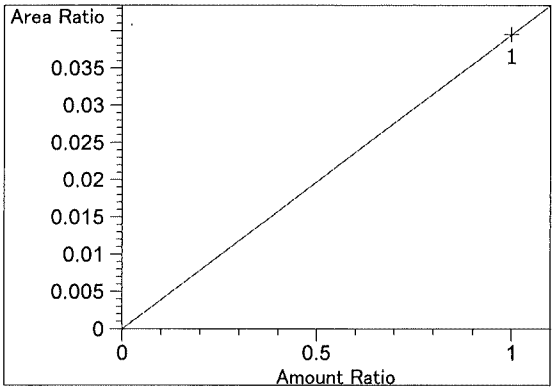


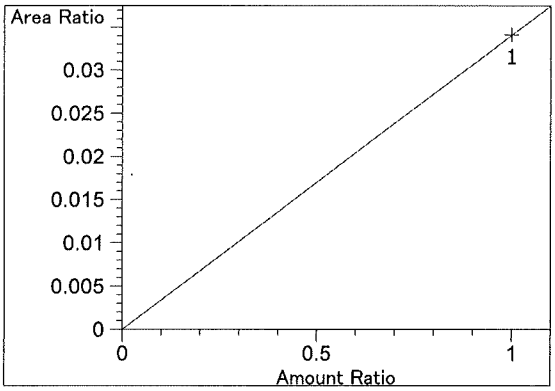
Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.41511e-2
x: Amount Ratio
y: Area Ratio



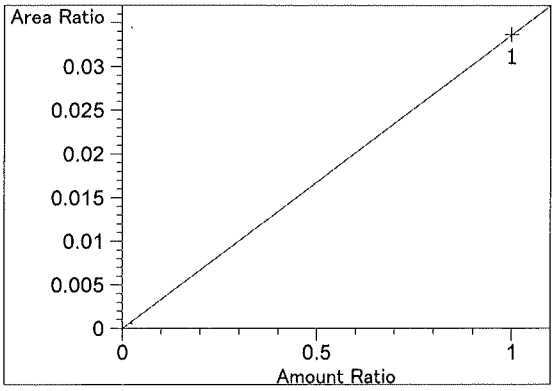
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.34196e-2
x: Amount Ratio
y: Area Ratio



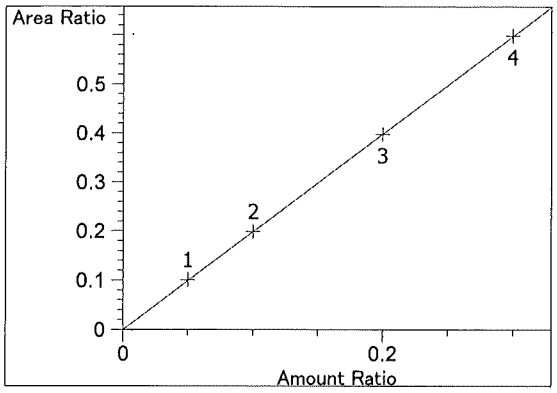
Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.94952e-2
x: Amount Ratio
y: Area Ratio



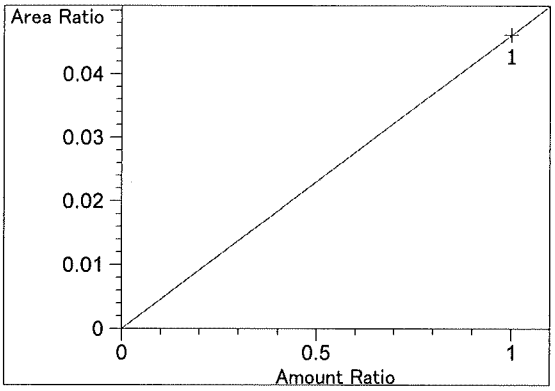
Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.41149e-2
x: Amount Ratio
y: Area Ratio



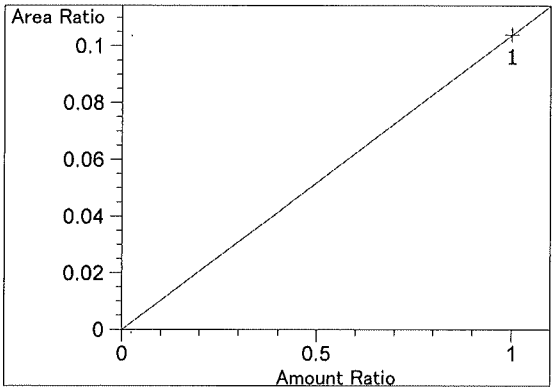
Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.36359e-2
x: Amount Ratio
y: Area Ratio



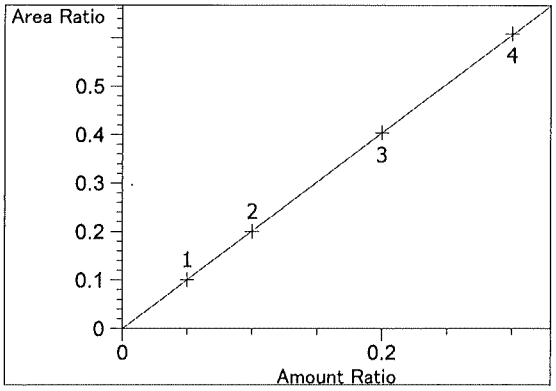
Ethanol at exp. RT: 3.109
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00063
Formula: y = mx
m: 1.99457
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.61435e-2
x: Amount Ratio
y: Area Ratio

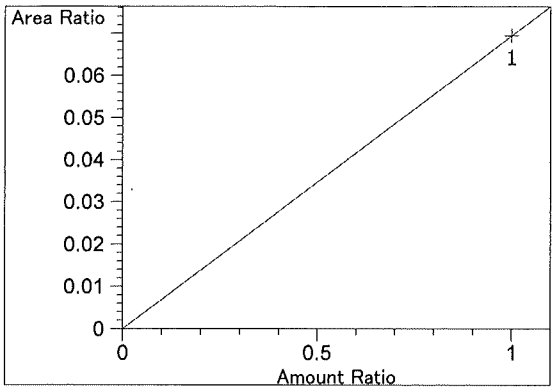


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.03960e-1
x: Amount Ratio
y: Area Ratio

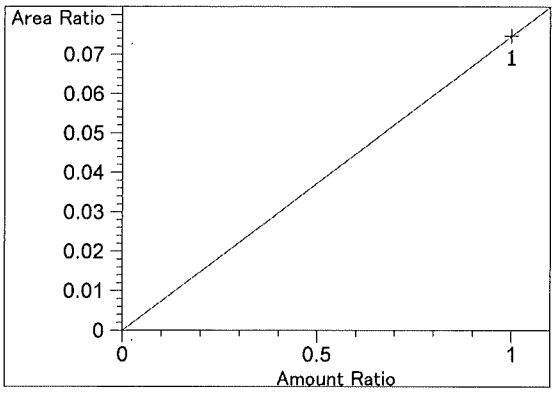


Ethanol at exp. RT: 4.181
FID2 B, Back Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00160
Formula: y = mx
m: 2.02354
x: Amount Ratio
y: Area Ratio

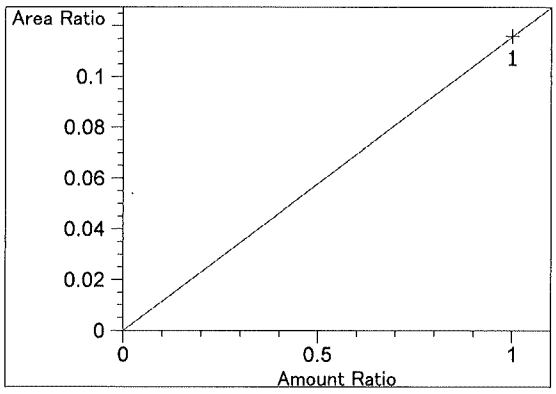
99



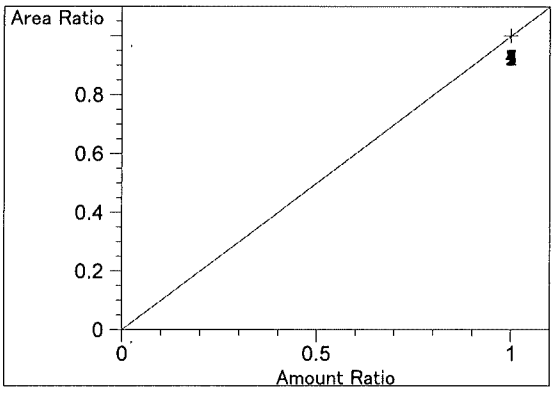
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.94390e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.46528e-2
x: Amount Ratio
y: Area Ratio

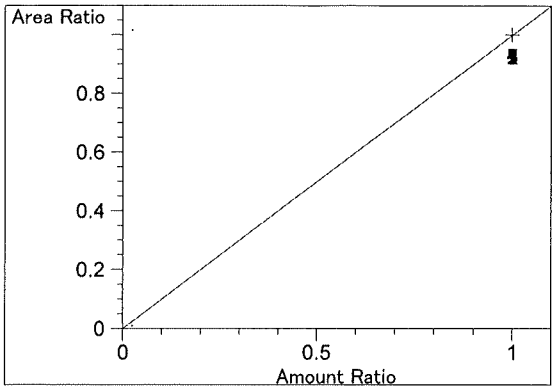


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.15953e-1
x: Amount Ratio
y: Area Ratio



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

99



n-Propanol at exp. RT: 7.624
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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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_29.08.2019_07.03.47\8-29-19cal.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.08.2019_07.03.47\8-29-19cal.S
Data directory path: C:\Chem32\1\Data\8-29-19calJJ
Logbook: C:\Chem32\1\Data\8-29-19calJJ\8-29-19cal.LOG
Sequence start: 8/29/2019 7:17:29 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	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 1STD #1	-	1.0000	006F0601.D		2

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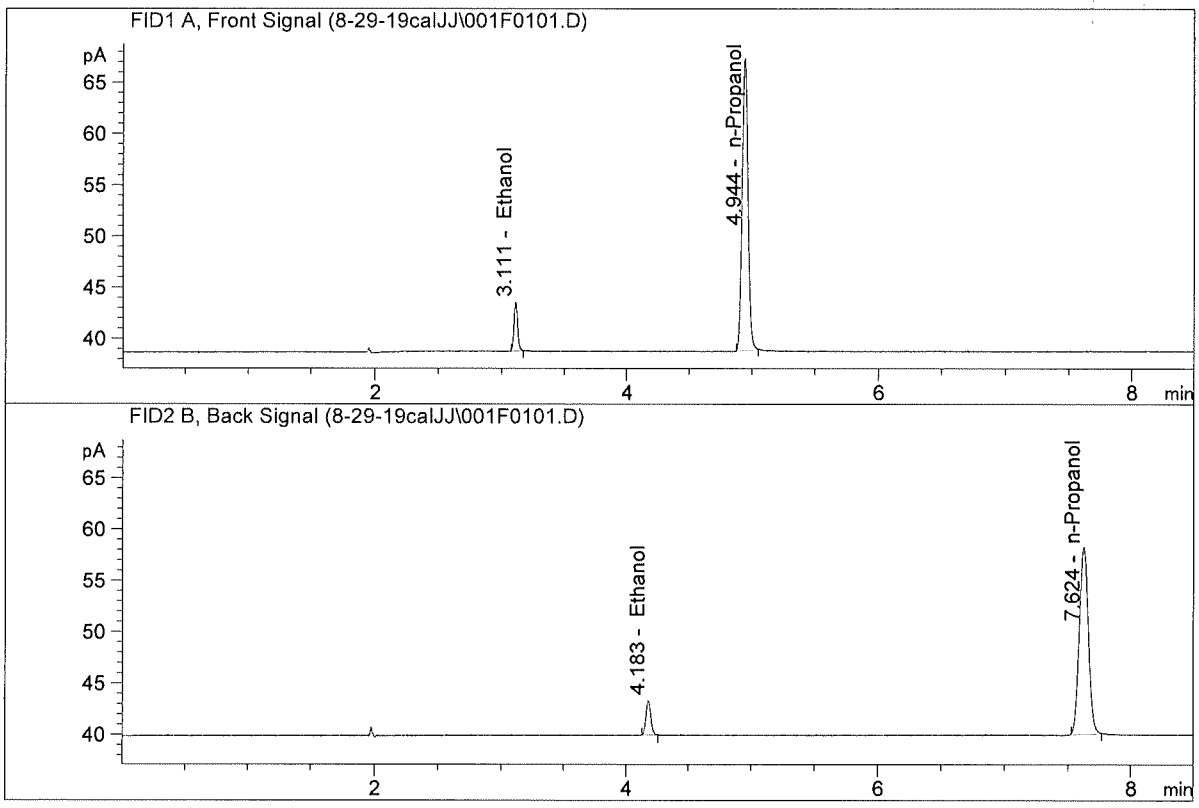
ISP Forensic Services Blood Alcohol Report

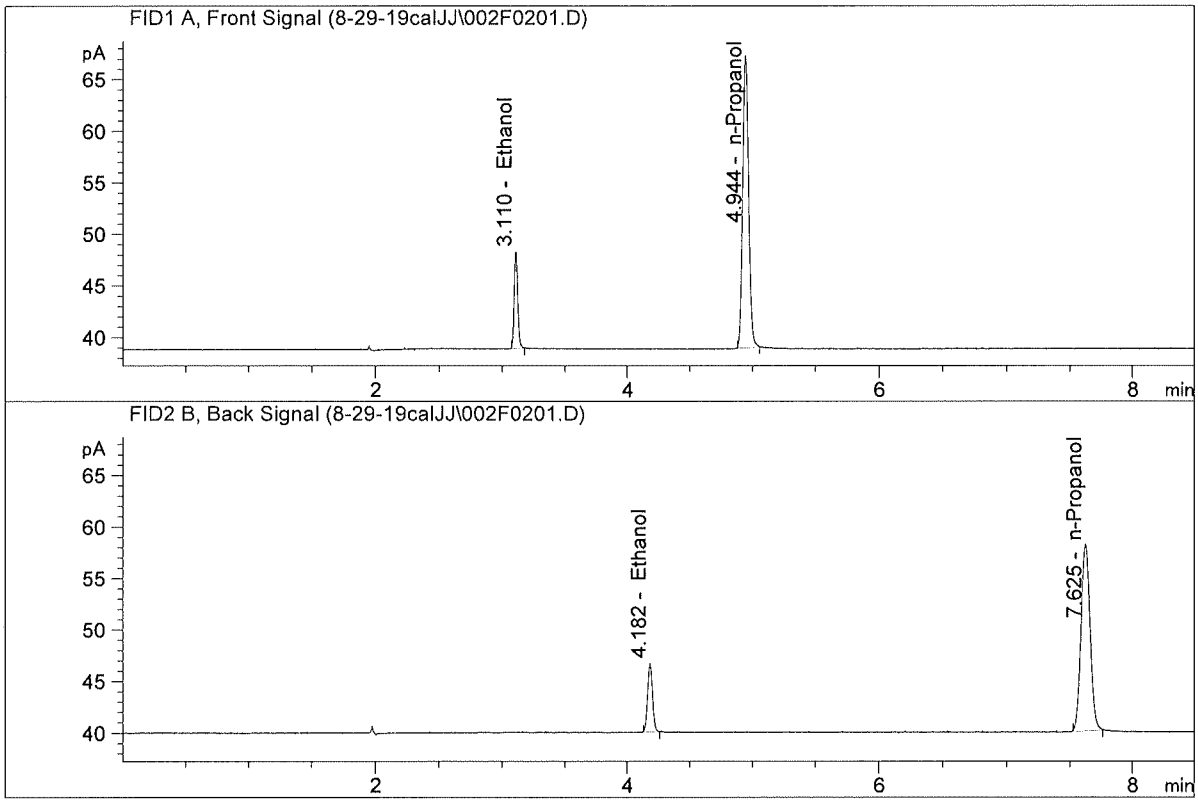
Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.40298	0.0496	g/100cc
2.	Ethanol	Column 2:	9.30212	0.0493	g/100cc
3.	n-Propanol	Column 1:	93.59866	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.33427	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

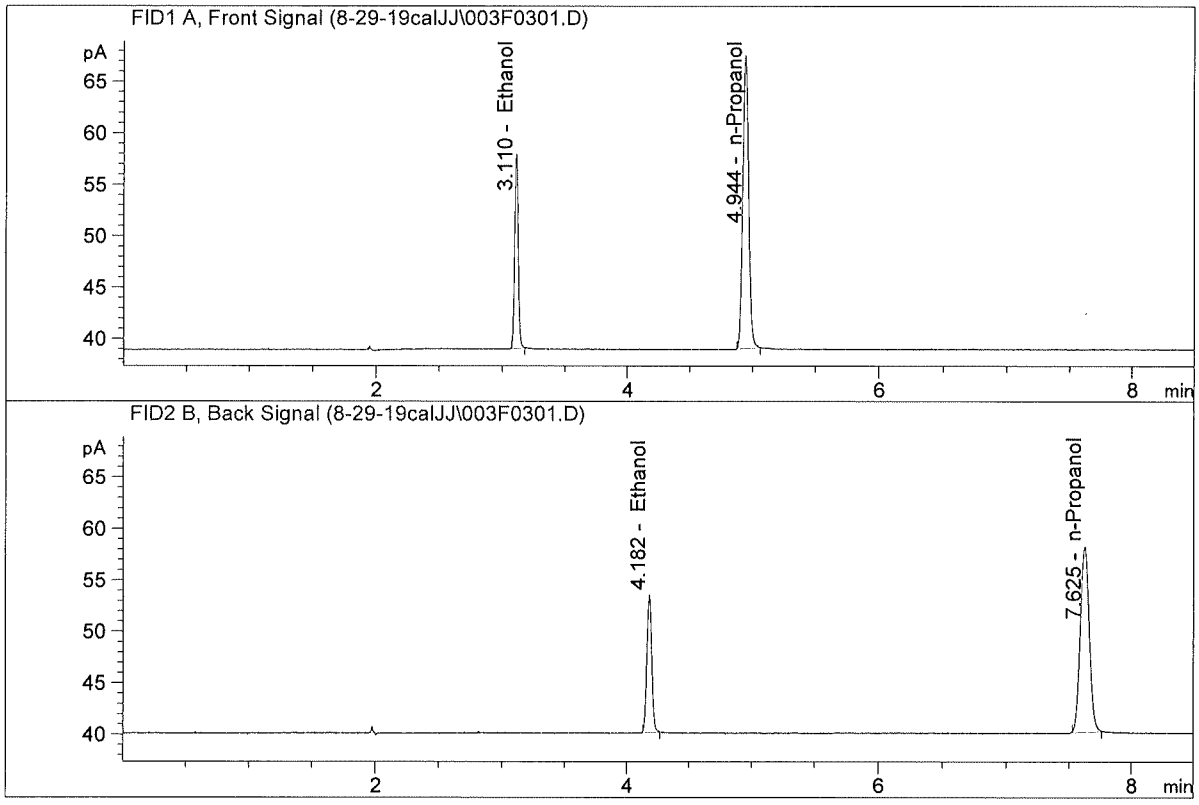
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.54589	0.0982	g/100cc
2.	Ethanol	Column 2:	18.30657	0.0980	g/100cc
3.	n-Propanol	Column 1:	93.18541	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.38275	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

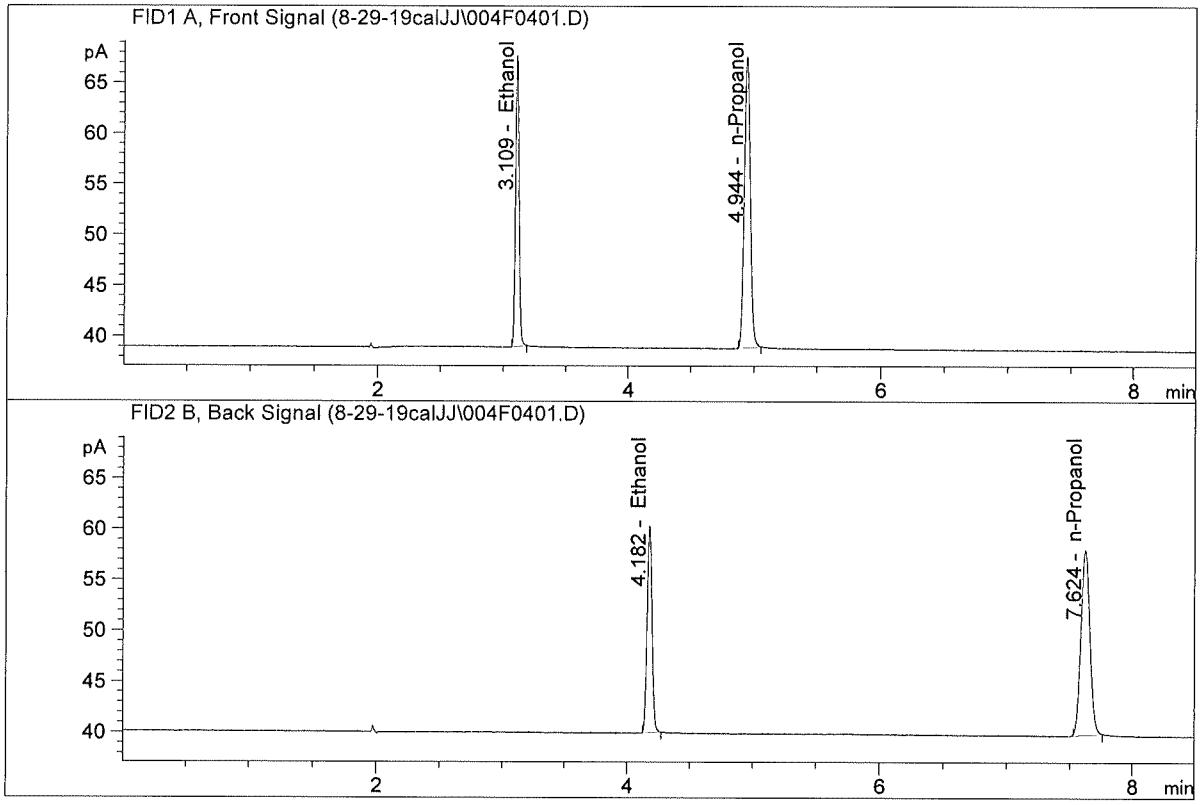
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.29691	0.1965	g/100cc
2.	Ethanol	Column 2:	36.81116	0.1974	g/100cc
3.	n-Propanol	Column 1:	93.62900	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.20226	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

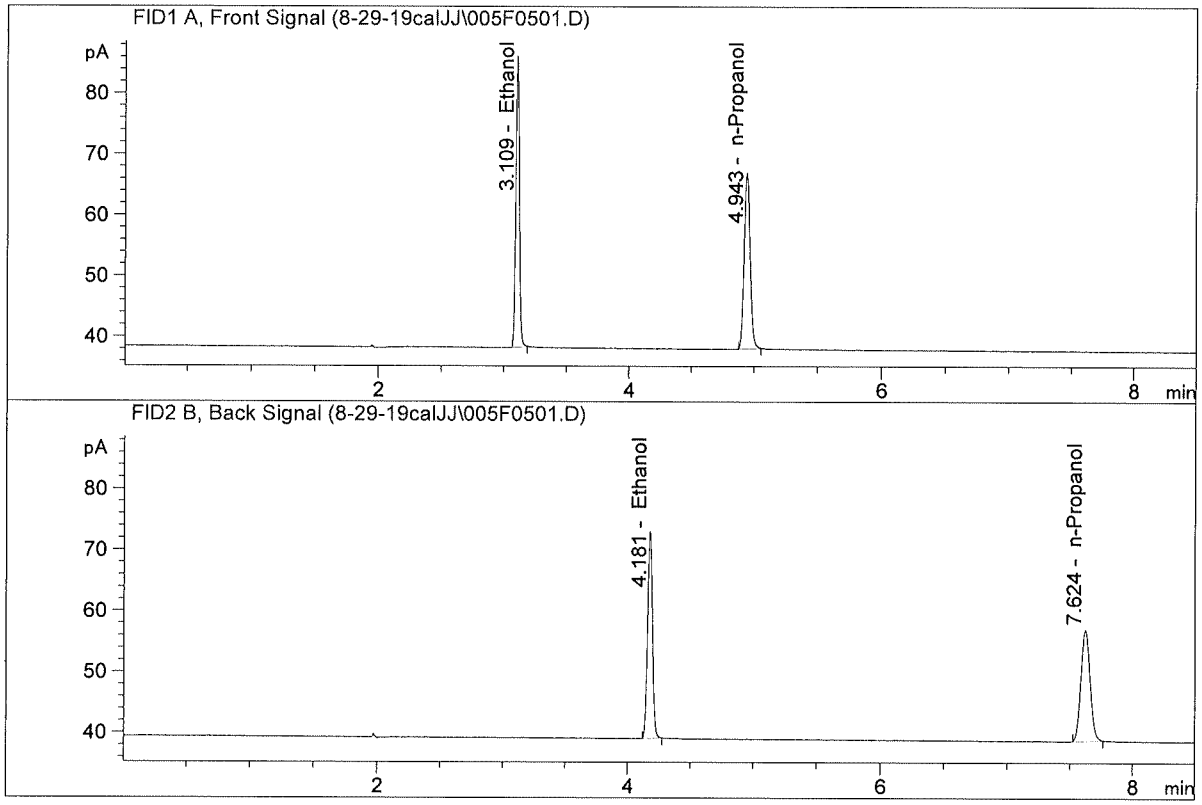
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.62060	0.3002	g/100cc
2.	Ethanol	Column 2:	55.78347	0.3007	g/100cc
3.	n-Propanol	Column 1:	94.56124	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.66837	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

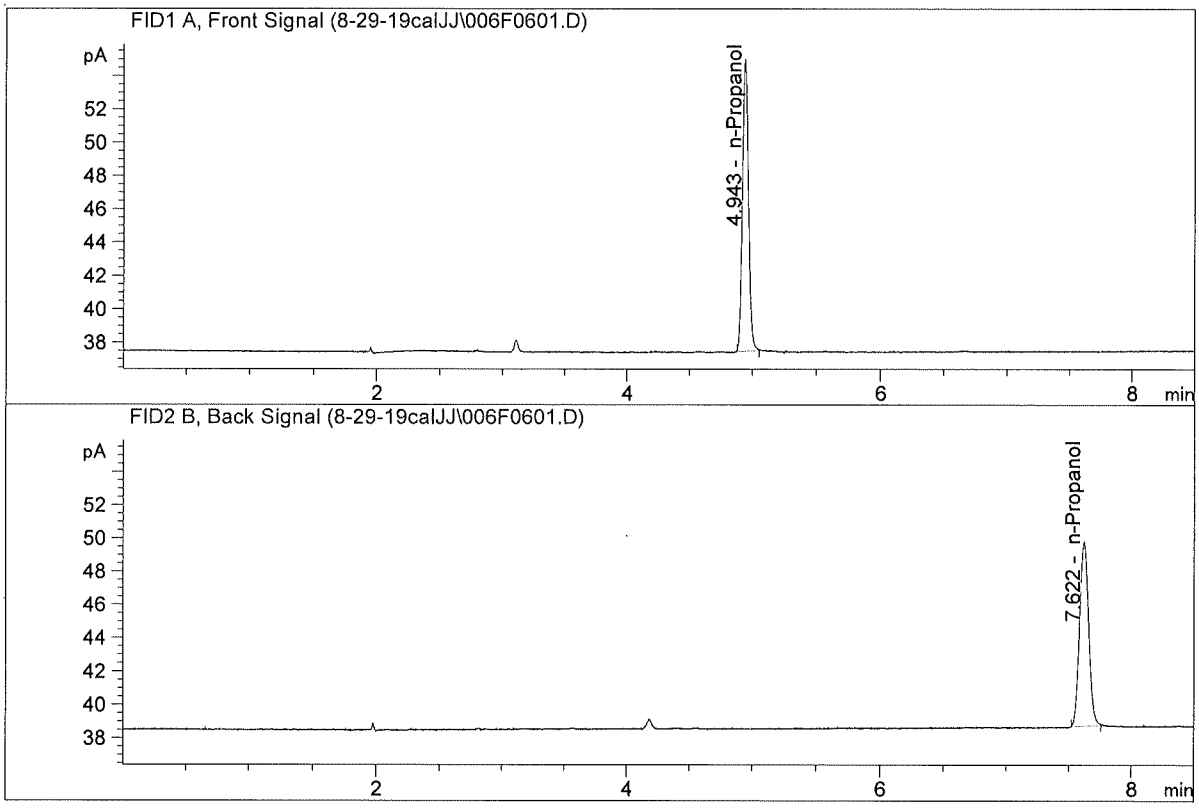


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	94.09149	0.4969	g/100cc
2.	Ethanol	Column 2:	93.05709	0.5006	g/100cc
3.	n-Propanol	Column 1:	94.93494	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.86124	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

ISTD #1
cal curve

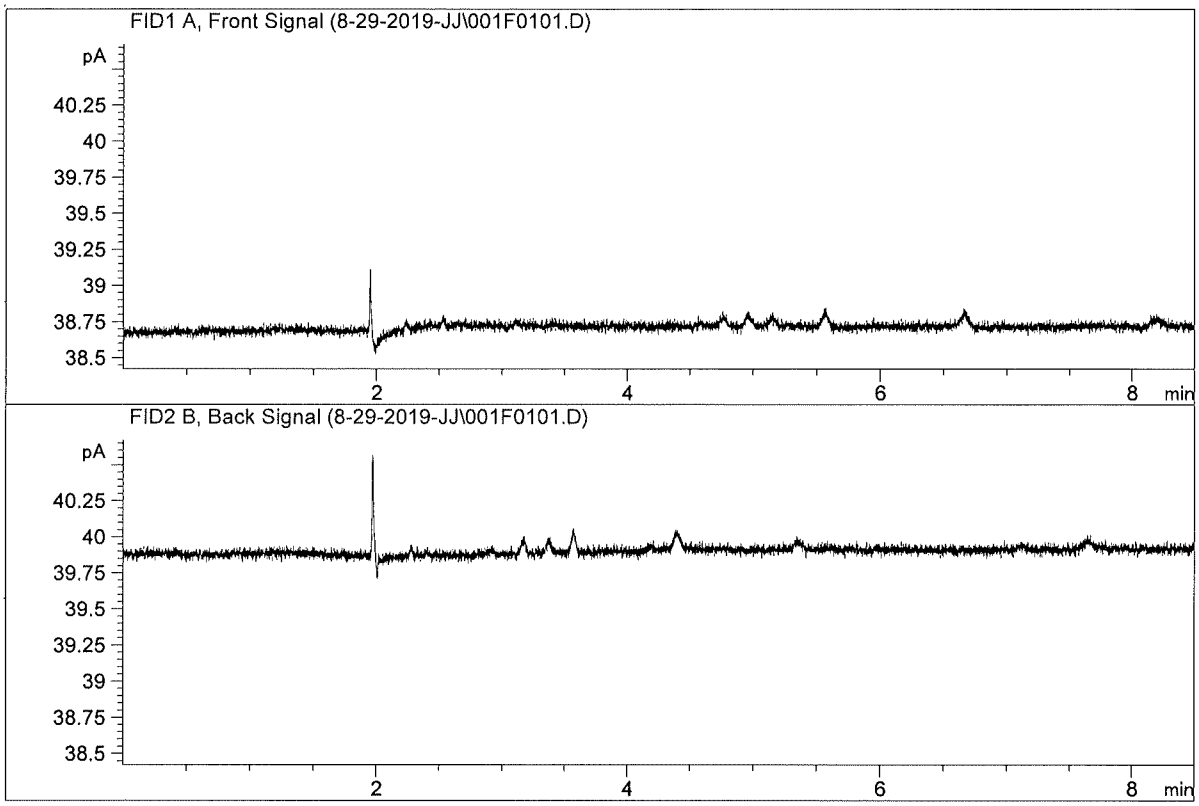
Sample Name	:	blank
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 29, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005



#	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:	57.77298	1.0000	g/100cc
4.	n-Propanol	Column 2:	55.96377	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

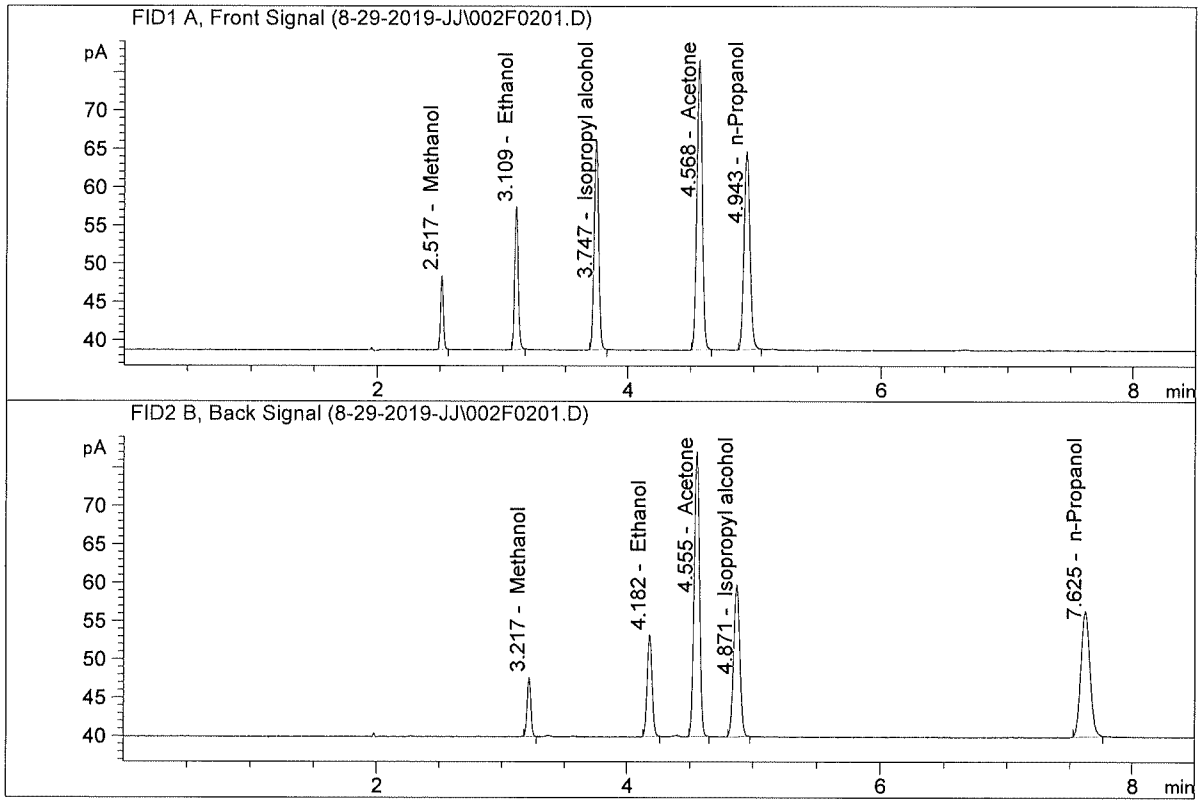
Sample Name : water #1
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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 : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

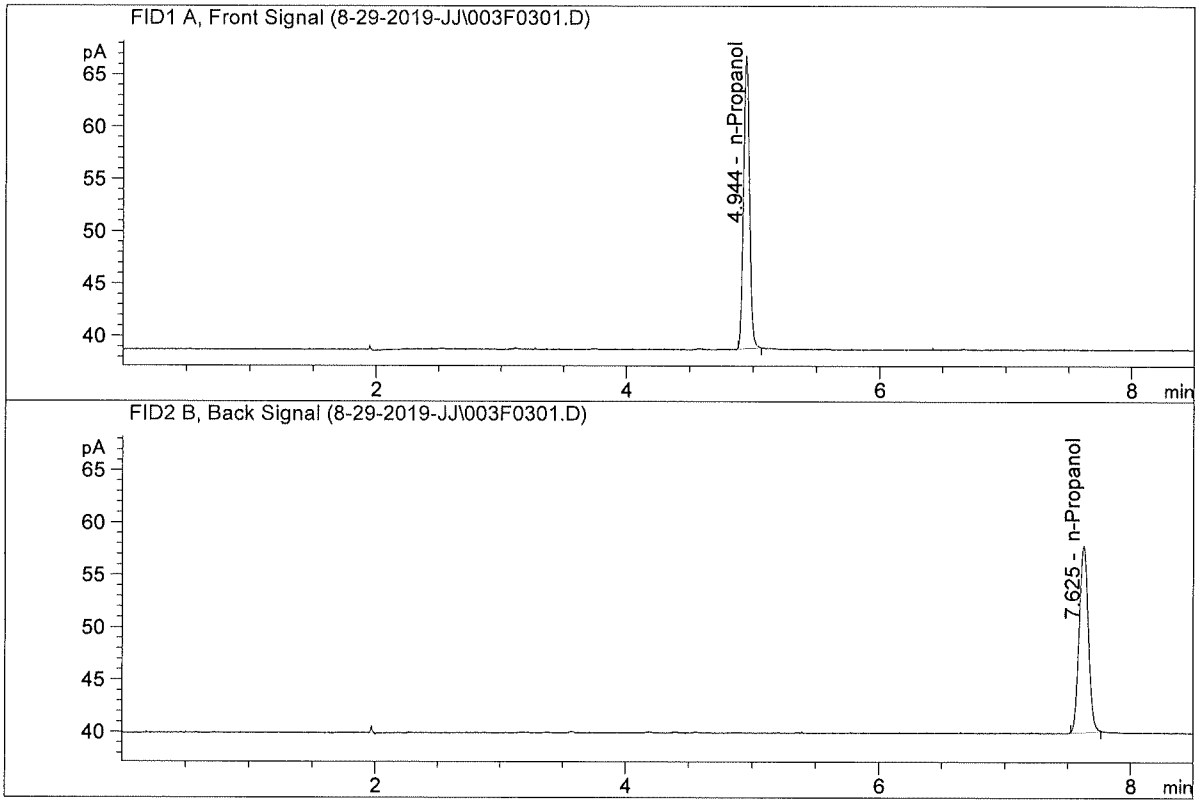


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.76814	0.2176	g/100cc
2.	Ethanol	Column 2:	36.29210	0.2176	g/100cc
3.	n-Propanol	Column 1:	84.70294	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.43670	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

#2

Sample Name	:	ISTD BLANK
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 29, 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:	92.17532	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.18295	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 29 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0785	0.0785	0.0000	0.0785	0.0783	
(g/100cc)	0.0784	0.0781	0.0003	0.0782		

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%**

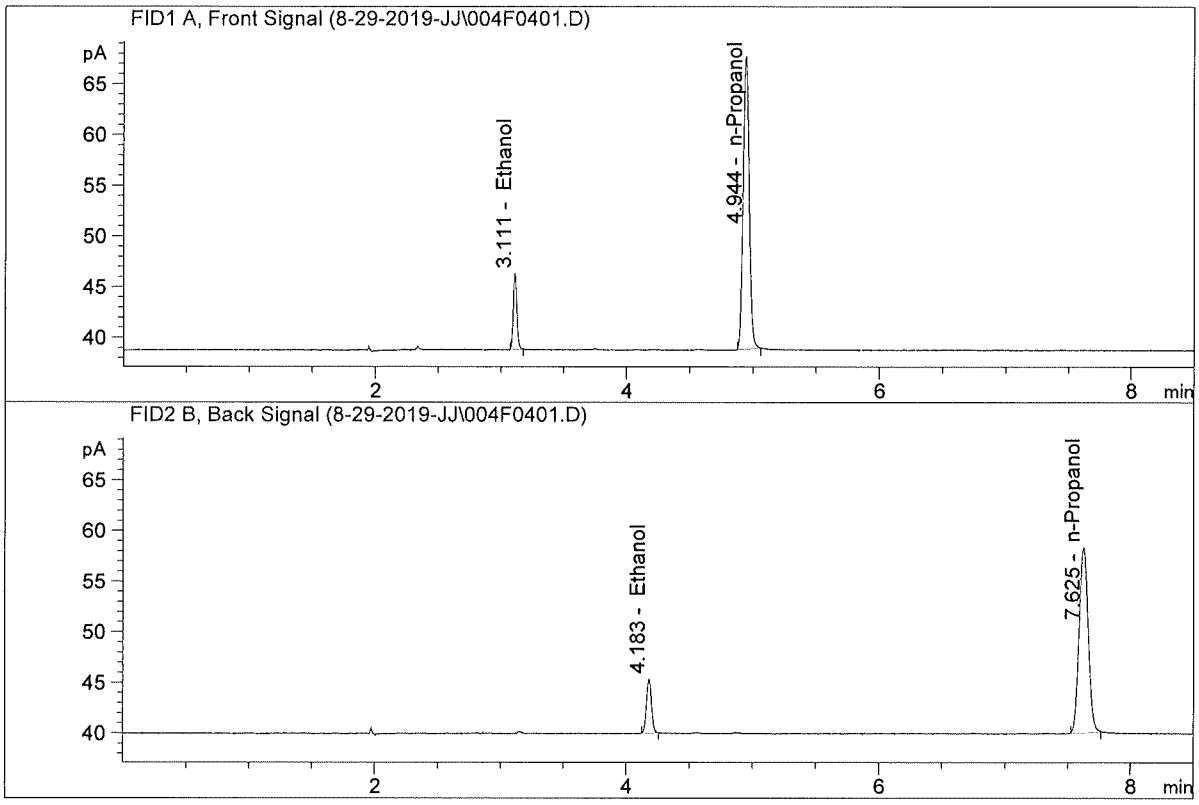
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

	Reported Result	
	0.078	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

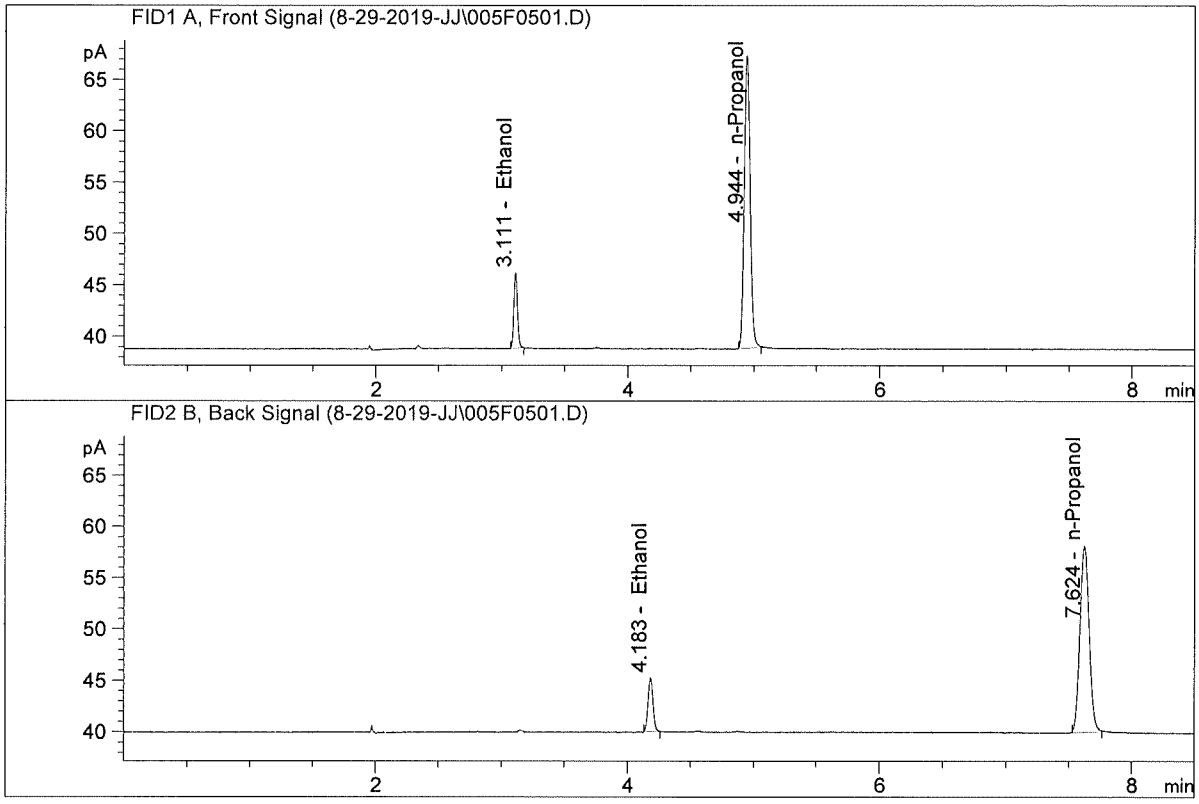
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.84498	0.0785	g/100cc
2.	Ethanol	Column 2:	14.71048	0.0785	g/100cc
3.	n-Propanol	Column 1:	94.84152	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.62682	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.65275	0.0784	g/100cc
2.	Ethanol	Column 2:	14.40493	0.0781	g/100cc
3.	n-Propanol	Column 1:	93.67233	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.18462	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN04171701 **Analysis Date(s): 29 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0795	0.0794	0.0001	0.0794	0.0793	
(g/100cc)	0.0792	0.0793	0.0001	0.0792		

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%**

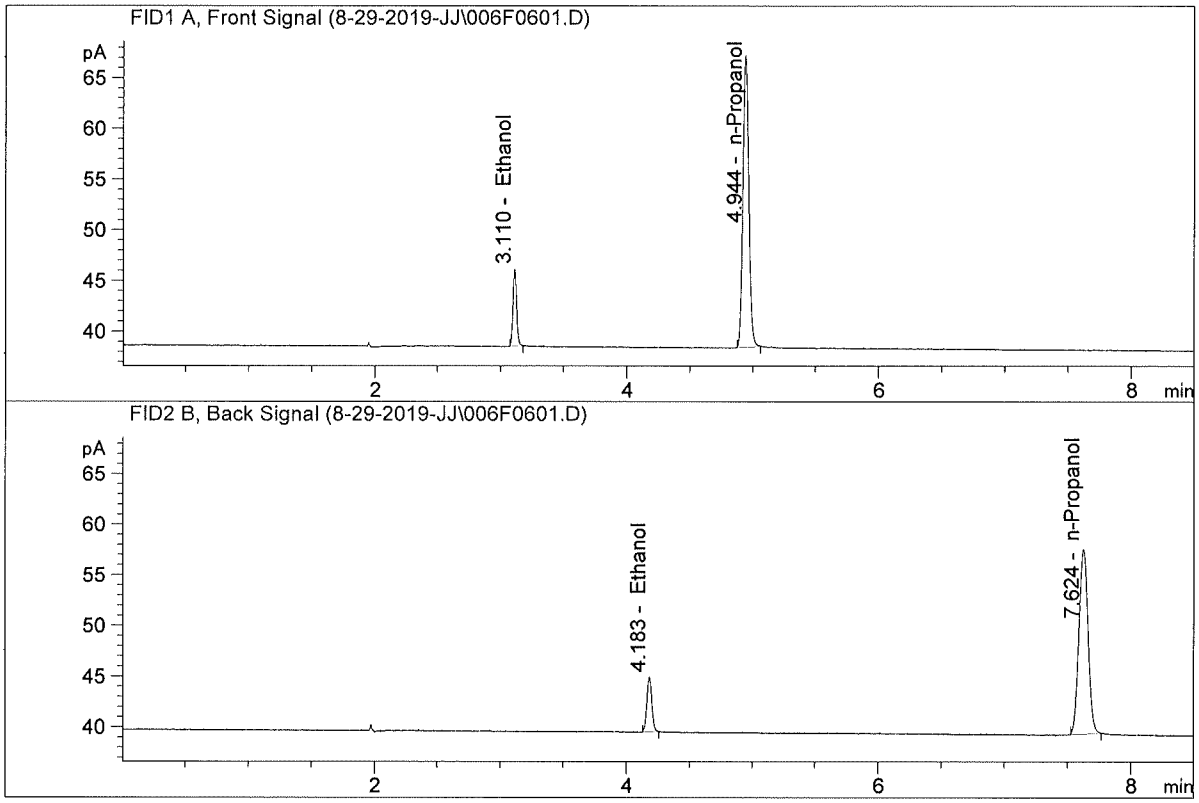
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

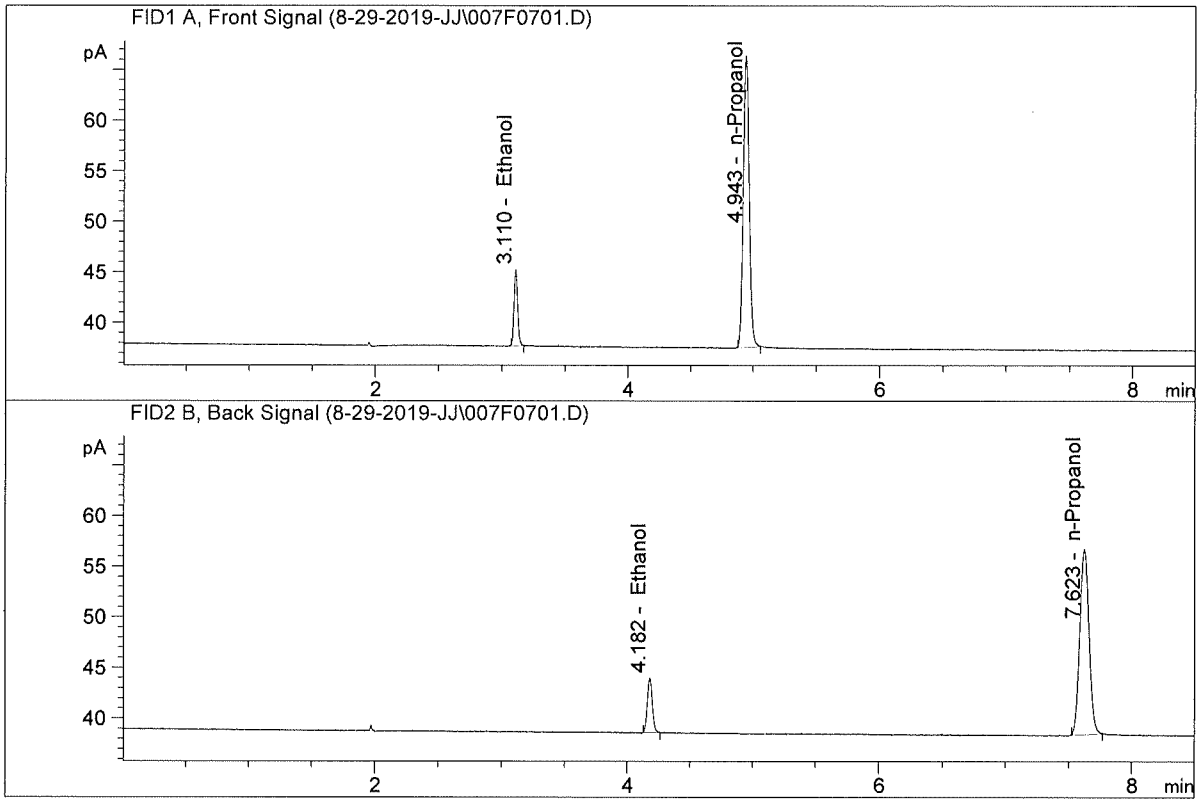
Sample Name : 0.08 FN04171701-A
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.93529	0.0795	g/100cc
2.	Ethanol	Column 2:	14.76980	0.0794	g/100cc
3.	n-Propanol	Column 1:	94.24301	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.93134	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B
Laboratory : Coeur d' Alene
Injection Date : Aug 29, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.96643	0.0792	g/100cc
2.	Ethanol	Column 2:	14.83885	0.0793	g/100cc
3.	n-Propanol	Column 1:	94.70027	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.45204	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 30 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1987	0.1999	0.0012	0.1993	0.1996	
(g/100cc)	0.1990	0.2010	0.0020	0.2000		

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%**

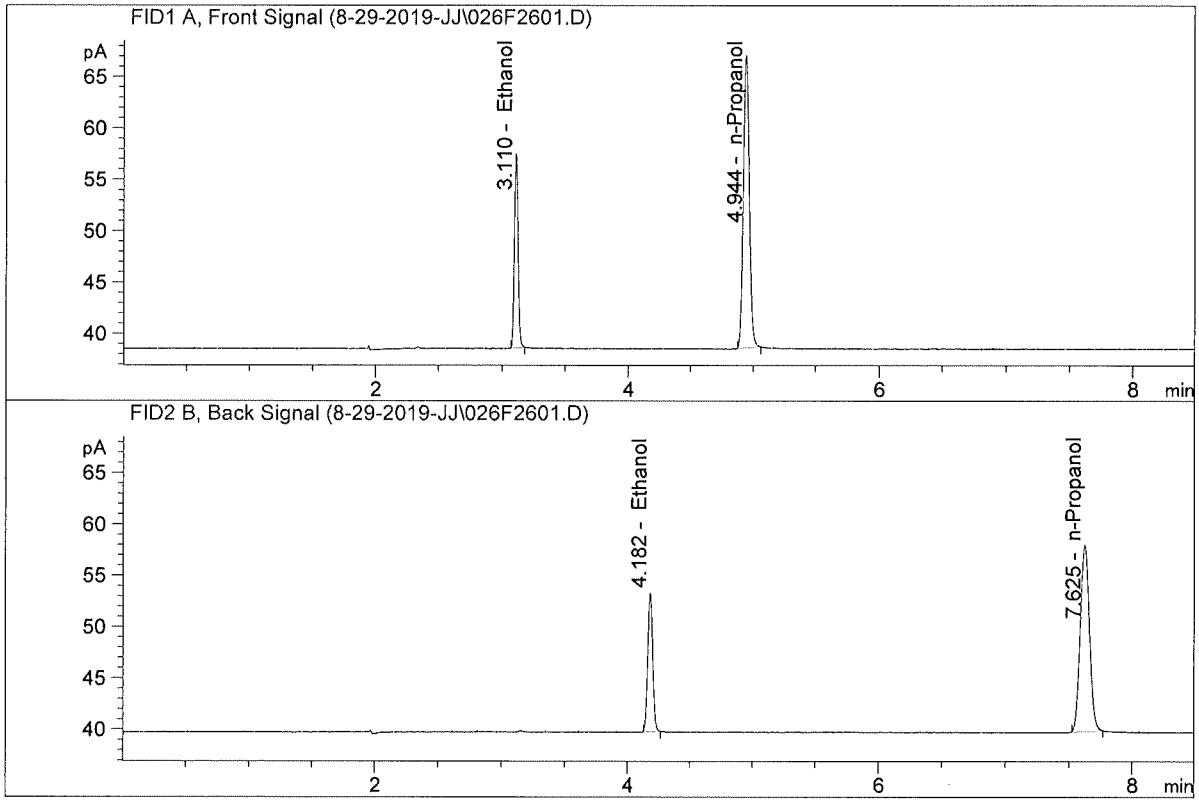
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

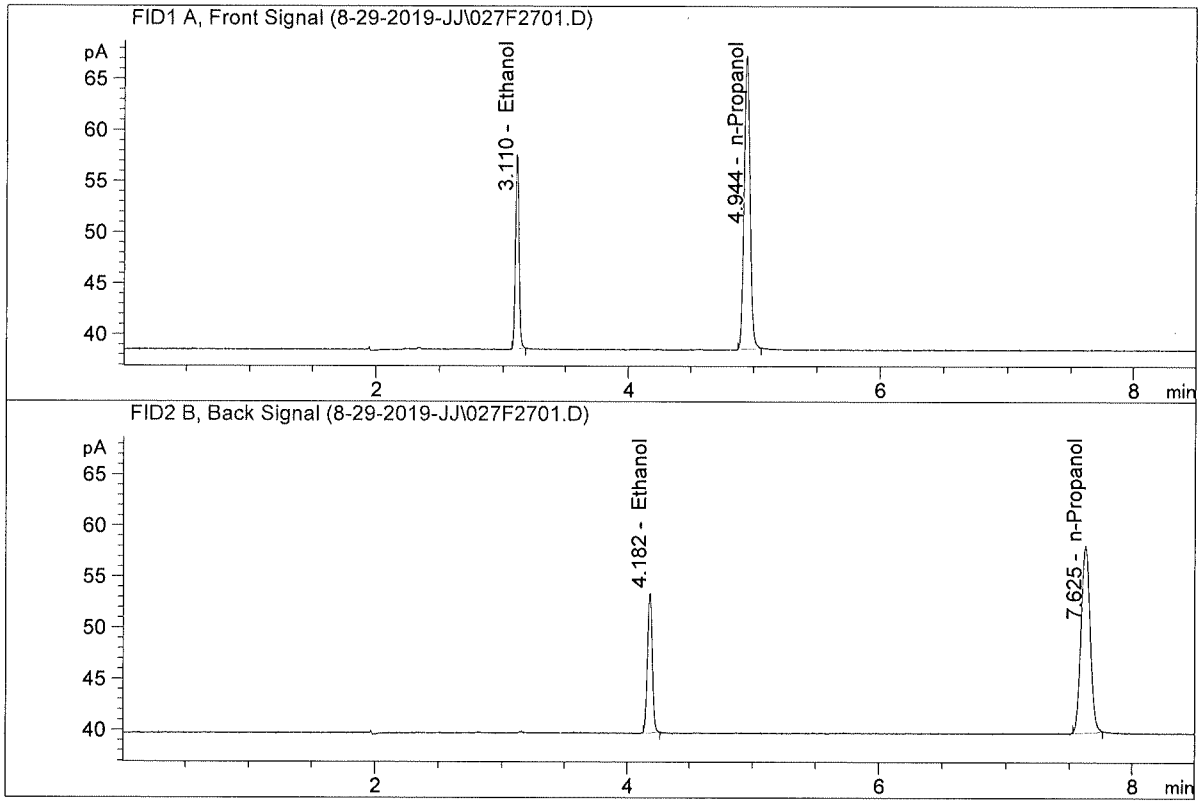
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.18600	0.1987	g/100cc
2.	Ethanol	Column 2:	37.13623	0.1999	g/100cc
3.	n-Propanol	Column 1:	93.81449	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.81420	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.40921	0.1990	g/100cc
2.	Ethanol	Column 2:	37.44350	0.2010	g/100cc
3.	n-Propanol	Column 1:	94.24686	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.03808	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 30 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0801	0.0802	0.0001	0.0801	0.0801	
(g/100cc)	0.0800	0.0802	0.0002	0.0801		

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%**

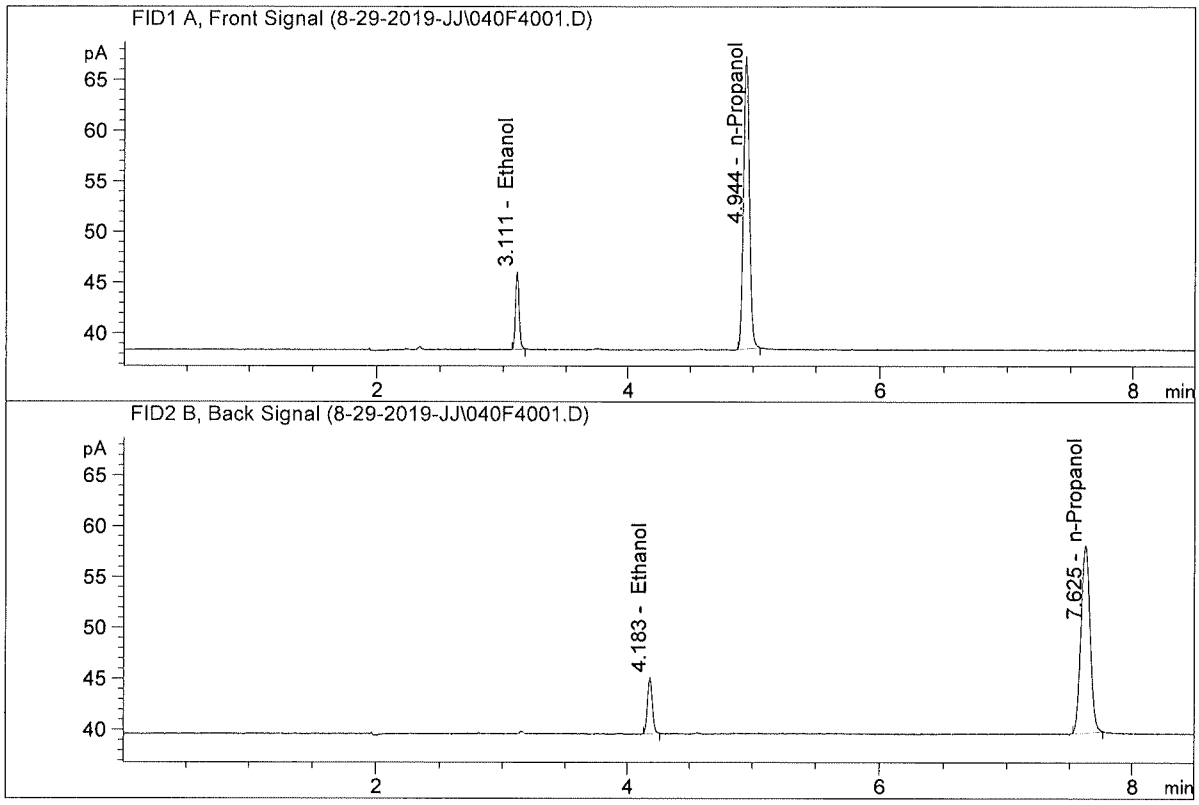
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

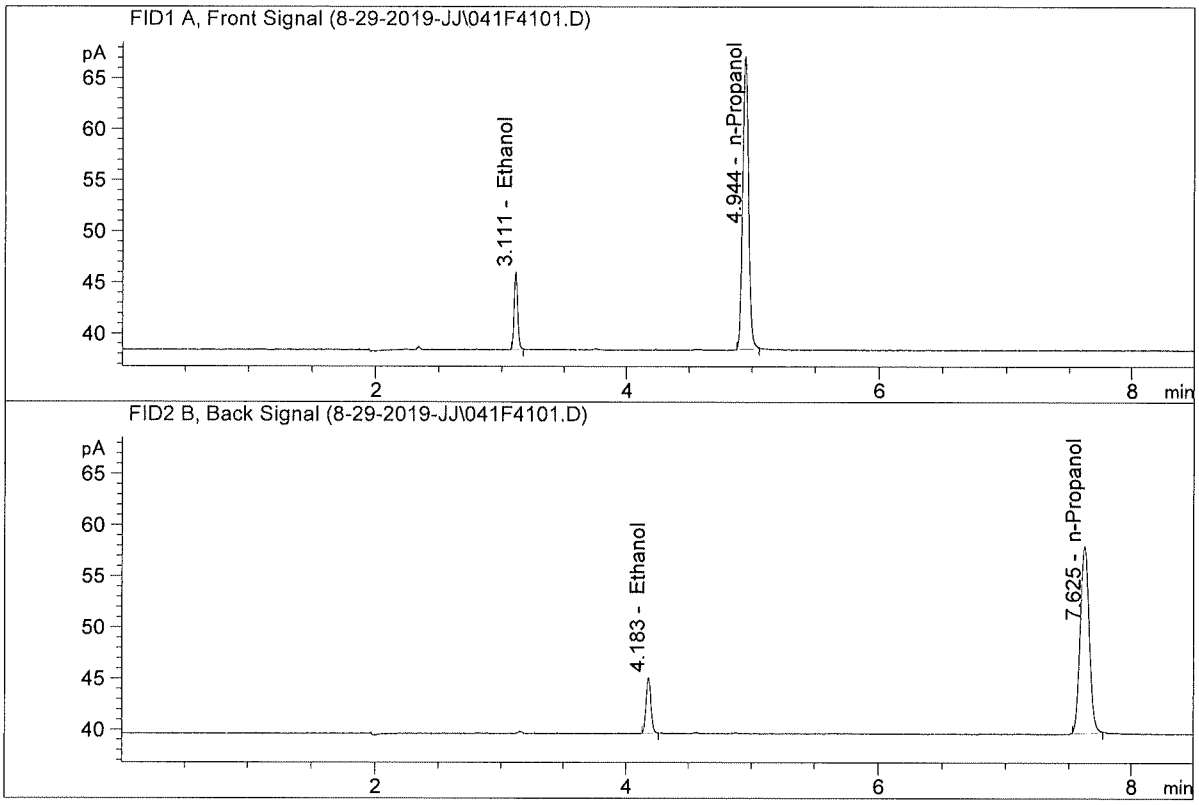
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.09521	0.0801	g/100cc
2.	Ethanol	Column 2:	15.07820	0.0802	g/100cc
3.	n-Propanol	Column 1:	94.52583	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.91753	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.01513	0.0800	g/100cc
2.	Ethanol	Column 2:	15.02446	0.0802	g/100cc
3.	n-Propanol	Column 1:	94.13589	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.57785	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 30 Aug 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1987	0.1999	0.0012	0.1993	0.2001	
(g/100cc)	0.2005	0.2015	0.0010	0.2010		

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
0.200	**0.190**	**0.210**	**0.010**

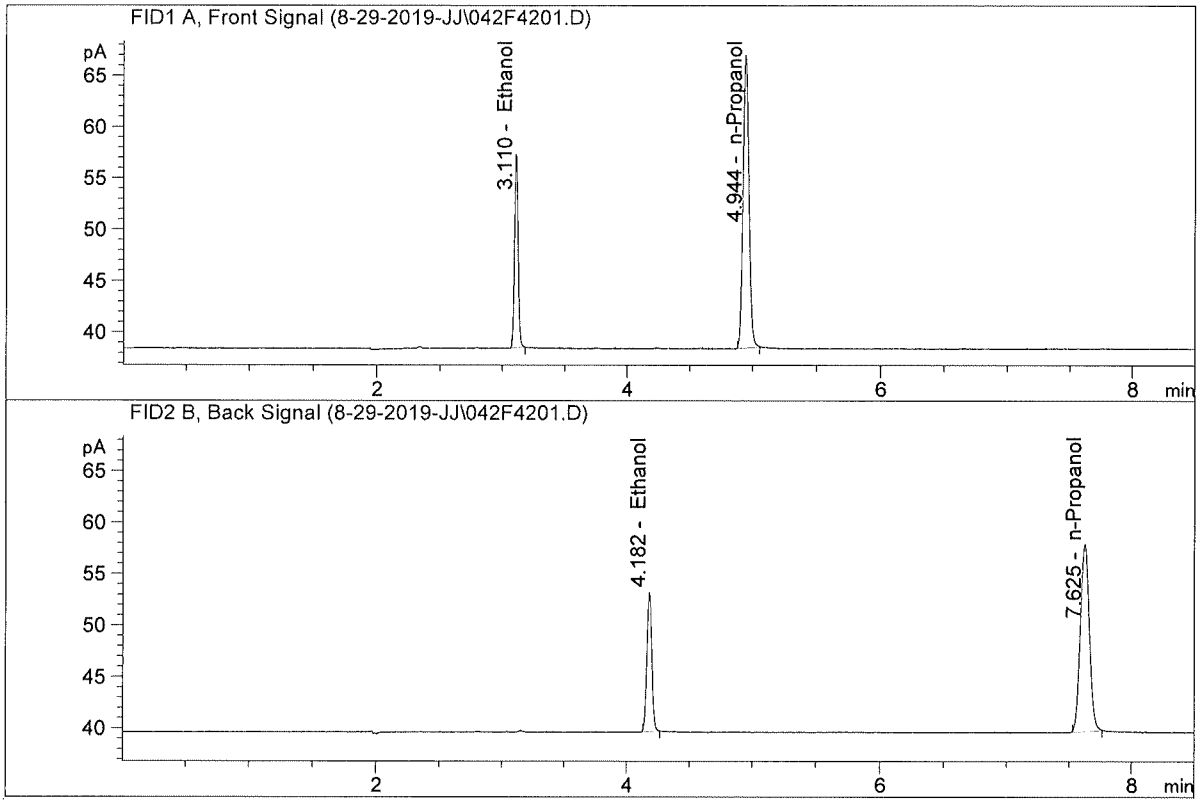
	Reported Result	
	0.200	

Calibration and control data are stored centrally.

Revision: 1
Issue Date: 01/04/2019
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

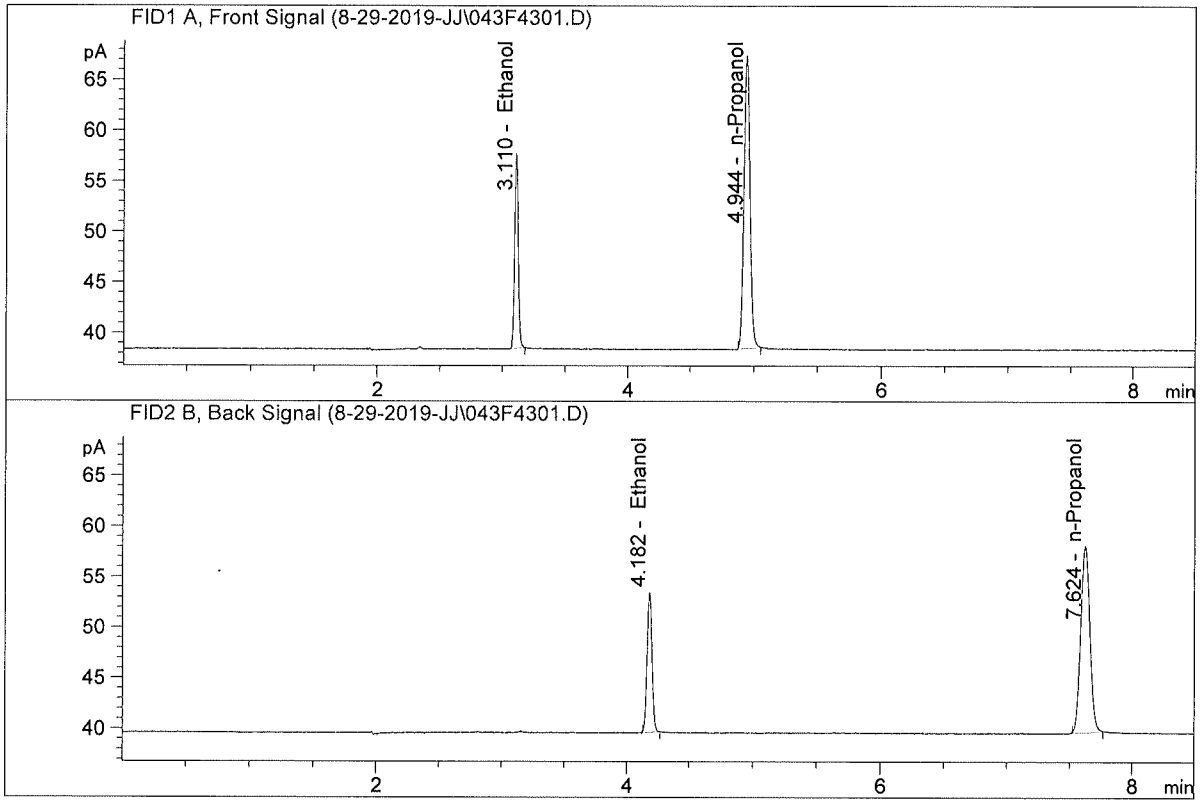
Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.03284	0.1987	g/100cc
2.	Ethanol	Column 2:	37.04927	0.1999	g/100cc
3.	n-Propanol	Column 1:	93.42348	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.60223	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

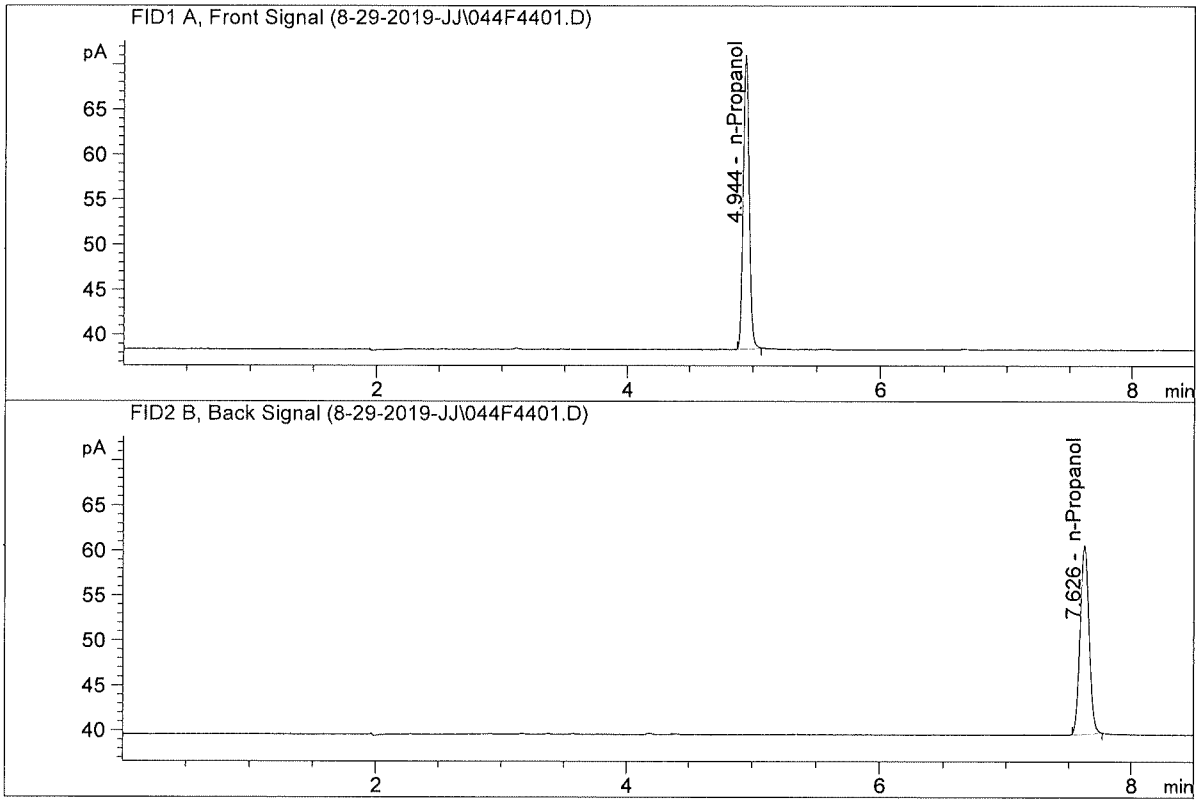
Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.88160	0.2005	g/100cc
2.	Ethanol	Column 2:	37.95373	0.2015	g/100cc
3.	n-Propanol	Column 1:	94.73819	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.08838	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK #3
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005

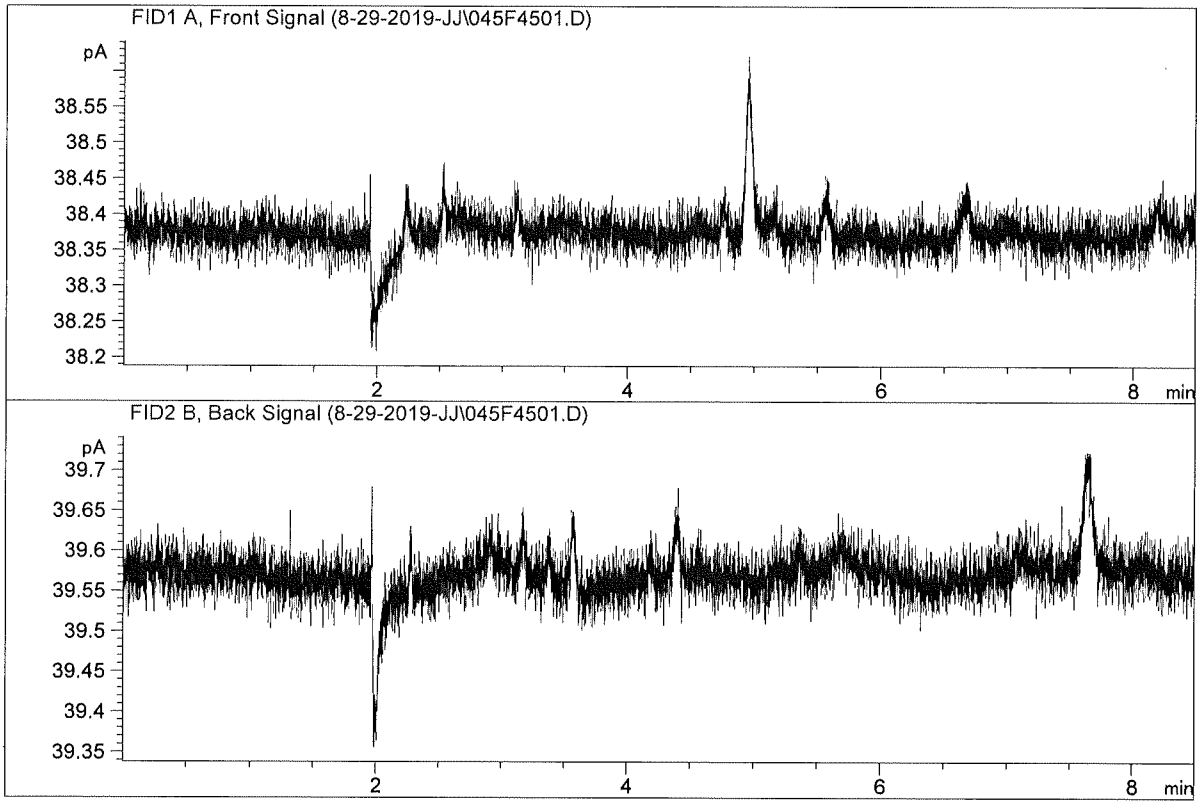


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	107.05154	1.0000	g/100cc
4.	n-Propanol	Column 2:	105.57032	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

#2

Sample Name	:	water
Laboratory	:	Coeur d' Alene
Injection Date	:	Aug 30, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742044-IT00725005

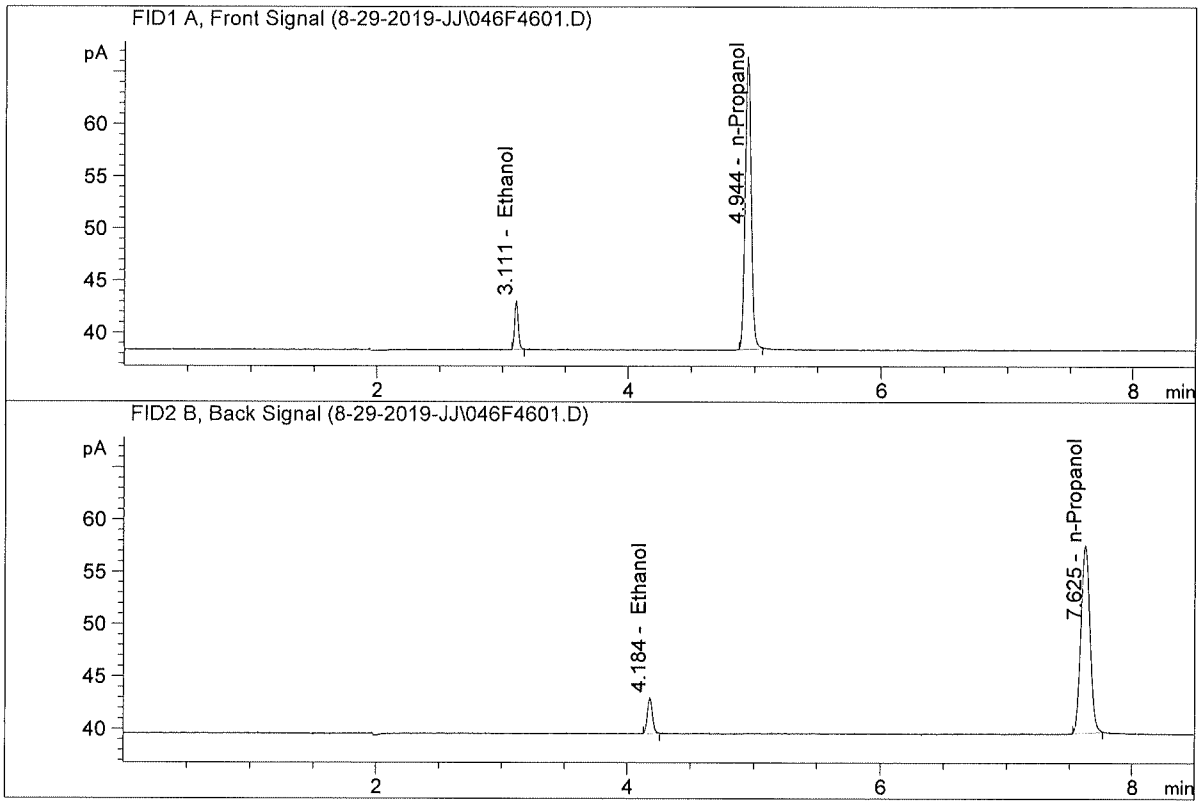


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

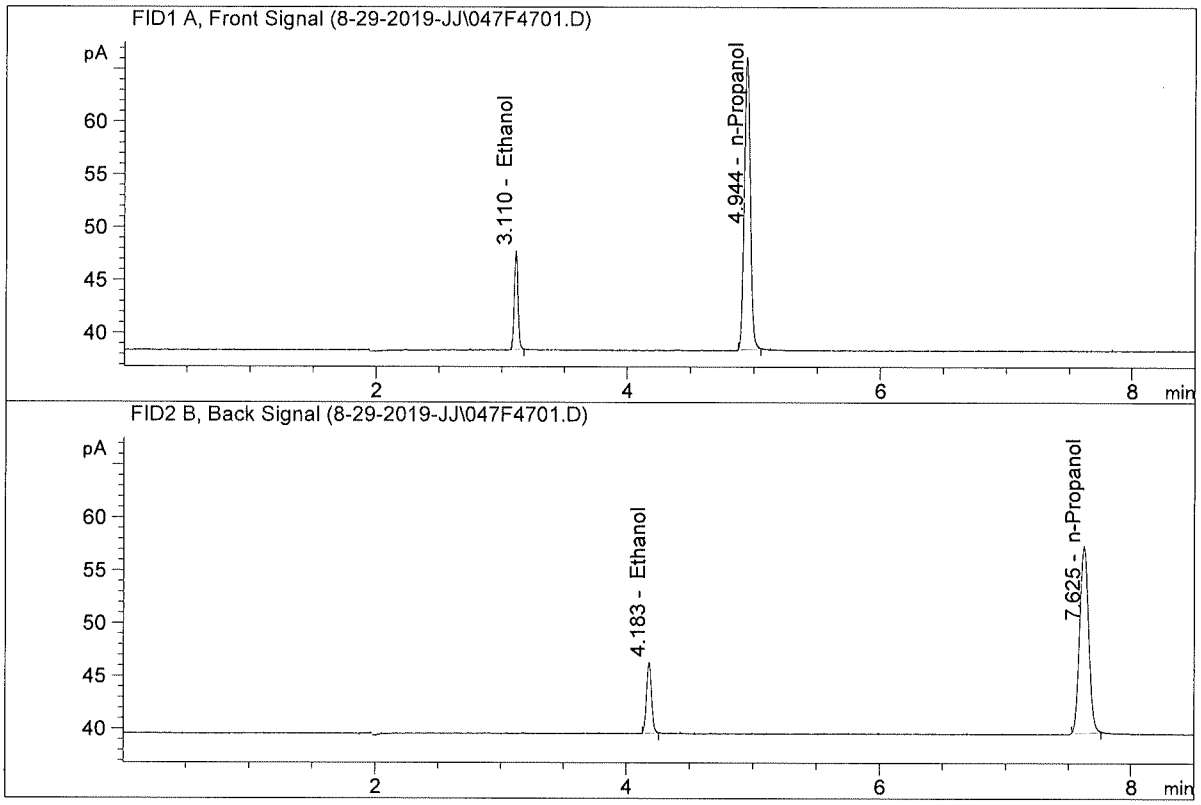
Sample Name : 0.05 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.34915	0.0509	g/100cc
2.	Ethanol	Column 2:	9.30275	0.0508	g/100cc
3.	n-Propanol	Column 1:	92.12581	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.51000	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

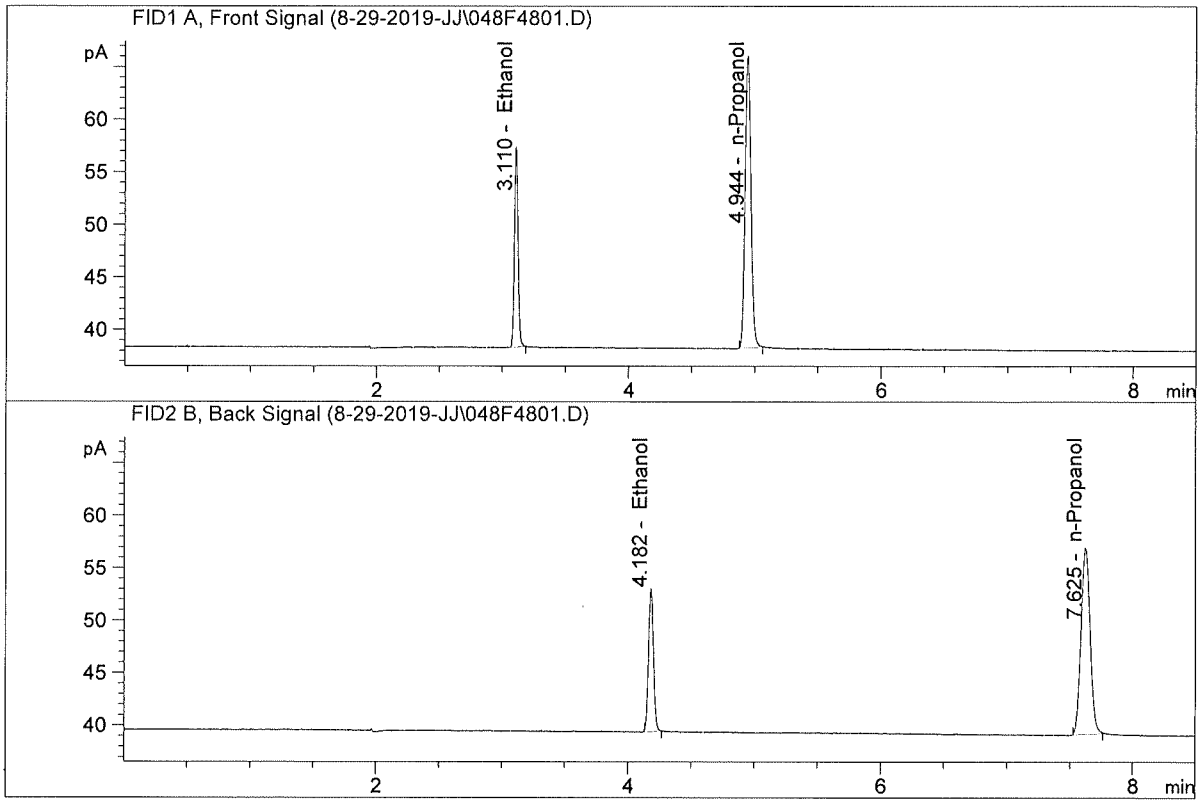
Sample Name : 0.100 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.54256	0.1022	g/100cc
2.	Ethanol	Column 2:	18.57837	0.1030	g/100cc
3.	n-Propanol	Column 1:	90.98582	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.13814	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

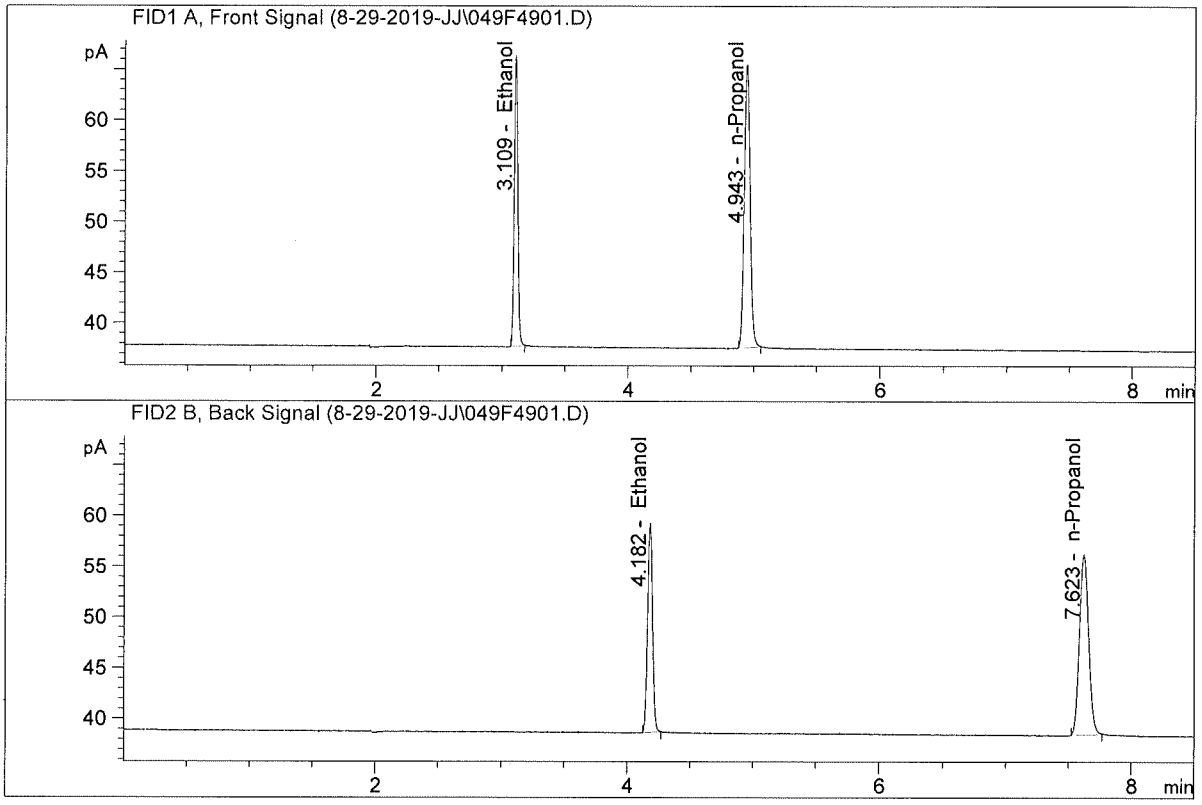
Sample Name : 0.200 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.44269	0.2059	g/100cc
2.	Ethanol	Column 2:	37.44217	0.2073	g/100cc
3.	n-Propanol	Column 1:	91.18287	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.25259	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

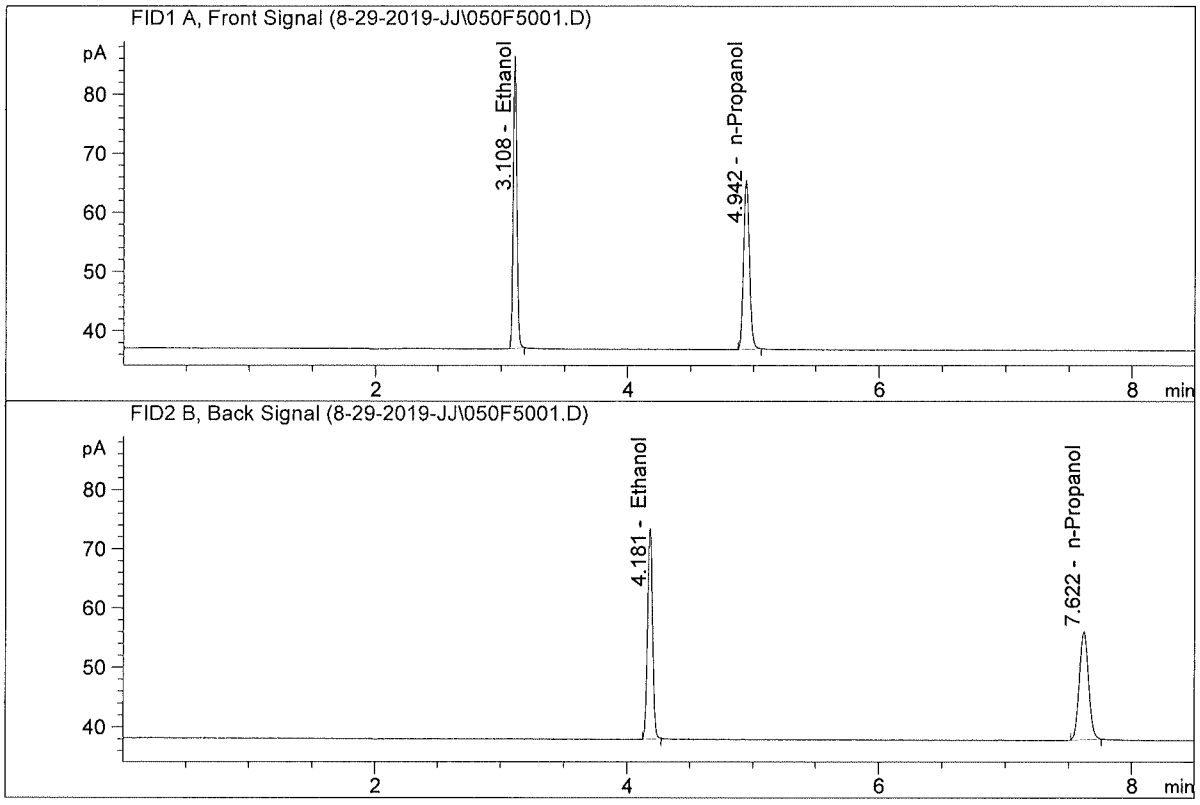
Sample Name : 0.300 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.13451	0.3076	g/100cc
2.	Ethanol	Column 2:	56.53395	0.3119	g/100cc
3.	n-Propanol	Column 1:	91.49679	1.0000	g/100cc
4.	n-Propanol	Column 2:	89.58415	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500 DIAGNOSTIC
Laboratory : Coeur d' Alene
Injection Date : Aug 30, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	96.63981	0.5158	g/100cc
2.	Ethanol	Column 2:	97.09475	0.5240	g/100cc
3.	n-Propanol	Column 1:	93.93071	1.0000	g/100cc
4.	n-Propanol	Column 2:	91.57420	1.0000	g/100cc