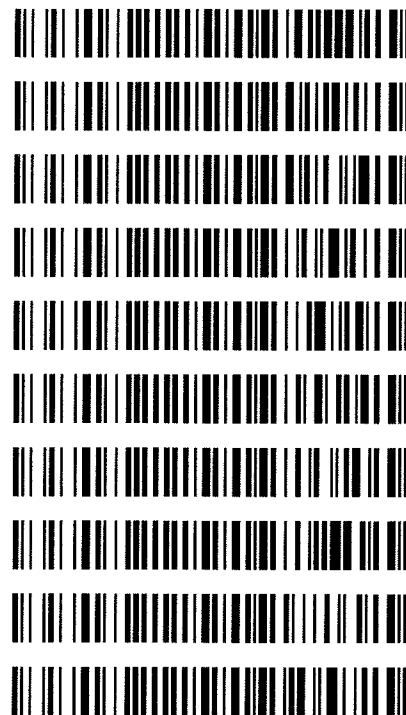


**Worklist: 2920**

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
C2019-0118	1	137205	Alcohol Analysis
C2019-0169	1	137734	Alcohol Analysis
C2019-0171	1	137740	Alcohol Analysis
C2019-0181	1	137954	Alcohol Analysis
C2019-0189	1	138022	Alcohol Analysis
C2019-0192	1	138153	Alcohol Analysis
C2019-0203	1	138272	Alcohol Analysis
C2019-0208	1	138281	Alcohol Analysis
C2019-0210	1	138299	Alcohol Analysis
C2019-0236	1	138558	Alcohol Analysis



99

**Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles**

*Analytical Method(s): 1.0*

**Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: ML600HC11379**

**Volatiles Quality Assurance Controls Run Date(s): 2/1/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0775 g/100cc g/100cc g/100cc
Level 2	Jan-22	1803028	0.2035	0.1832-0.2238	0.1955 g/100cc 0.1989 g/100cc g/100cc
<b>Multi-Component mixture:</b>		<b>Sep-20</b>	<b>Lot #</b>	<b>FN06041502</b>	<b>OK</b>
<b>Curve Fit:</b>		<b>Column 1</b>	<b>1.00000</b>	<b>Column2</b>	<b>1.00000</b>

Ethanol Calibration Reference Material					
Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Mean
50	0.050	0.045 - 0.055	0.0503	0.0493	0.001 0.0498
100	0.100	0.090 - 0.110	0.1008	0.0998	0.001 0.1003
200	0.200	0.180 - 0.220	0.1990	0.1984	0.0006 0.1987
300	0.300	0.270 - 0.330	0.3006	0.3003	0.0003 0.3004
500	0.500	0.450 - 0.550	0.4998	0.5005	0.0007 0.5001

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

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_01.02.2019\_04.14.47\2-1-2019.S  
 Data directory path: C:\Chem32\1\Data\2-1-2019-JJ  
 Logbook: C:\Chem32\1\Data\2-1-2019-JJ\2-1-2019.LOG  
 Sequence start: 2/1/2019 4:28:32 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	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-06041	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-2-A	-	1.0000	004F0401.D		4
5	5	1	QC-2-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN04171701-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN04171701-	-	1.0000	007F0701.D		4
8	8	1	C2019-0118-1-A	-	1.0000	008F0801.D		4
9	9	1	C2019-0118-1-B	-	1.0000	009F0901.D		4
10	10	1	C2019-0169-1-A	-	1.0000	010F1001.D		4
11	11	1	C2019-0169-1-B	-	1.0000	011F1101.D		4
12	12	1	C2019-0171-1-A	-	1.0000	012F1201.D		4
13	13	1	C2019-0171-1-B	-	1.0000	013F1301.D		4
14	14	1	C2019-0181-1-A	-	1.0000	014F1401.D		2
15	15	1	C2019-0181-1-B	-	1.0000	015F1501.D		2
16	16	1	C2019-0189-1-A	-	1.0000	016F1601.D		4
17	17	1	C2019-0189-1-B	-	1.0000	017F1701.D		4
18	18	1	C2019-0192-1-A	-	1.0000	018F1801.D		4
19	19	1	C2019-0192-1-B	-	1.0000	019F1901.D		4
20	20	1	C2019-0203-1-A	-	1.0000	020F2001.D		4
21	21	1	C2019-0203-1-B	-	1.0000	021F2101.D		4
22	22	1	C2019-0208-1-A	-	1.0000	022F2201.D		4
23	23	1	C2019-0208-1-B	-	1.0000	023F2301.D		4
24	24	1	C2019-0210-1-A	-	1.0000	024F2401.D		2
25	25	1	C2019-0210-1-B	-	1.0000	025F2501.D		2
26	26	1	QC-1-A	-	1.0000	026F2601.D		4
27	27	1	QC-1-B	-	1.0000	027F2701.D		4
28	28	1	C2019-0236-1-A	-	1.0000	028F2801.D		4
29	29	1	C2019-0236-1-B	-	1.0000	029F2901.D		4
30	30	1	QC-2-A	-	1.0000	030F3001.D		4
31	31	1	QC-2-B	-	1.0000	031F3101.D		4
32	32	1	ISTD BLANK	-	1.0000	032F3201.D		2

=====  
Calibration Table  
=====

-----  
General Calibration Setting  
-----

Calib. Data Modified : Friday, February 01, 2019 4:07:12 PM  
Signals calculated separately : No

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

Curve Type : Linear  
Origin : Forced  
Weight : Equal

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

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

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

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

-----  
Signal Details  
-----

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

-----  
Overview Table  
-----

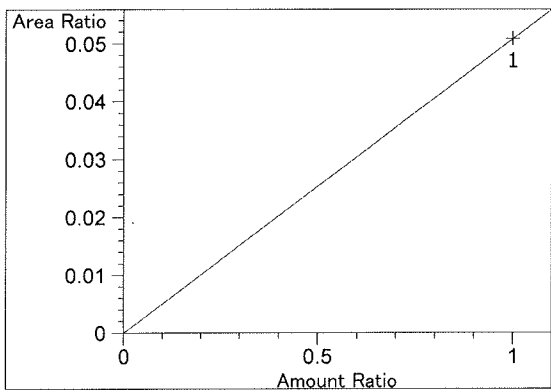
99

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD #	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No 2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No 1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No 1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No 1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No 2	Acetaldehyde
3.105	1	1	5.00000e-2	9.39952	5.31942e-3	No	No 1	Ethanol
		2	1.00000e-1	18.40059	5.43461e-3			
		3	2.00000e-1	37.35762	5.35366e-3			
		4	3.00000e-1	56.11258	5.34640e-3			
		5	5.00000e-1	93.12396	5.36919e-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
4.176	2	1	5.00000e-2	9.33485	5.35628e-3	No	No 2	Ethanol
		2	1.00000e-1	18.39493	5.43628e-3			
		3	2.00000e-1	37.67933	5.30795e-3			
		4	3.00000e-1	56.64656	5.29600e-3			
		5	5.00000e-1	94.18096	5.30893e-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
4.937	1	1	1.00000	98.86783	1.01145e-2	No	Yes 1	n-Propanol
		2	1.00000	96.59622	1.03524e-2			
		3	1.00000	99.36063	1.00643e-2			
		4	1.00000	98.79227	1.01222e-2			
		5	1.00000	98.60986	1.01410e-2			
7.613	2	1	1.00000	98.34879	1.01679e-2	No	Yes 2	n-Propanol
		2	1.00000	95.75522	1.04433e-2			
		3	1.00000	98.68575	1.01332e-2			
		4	1.00000	97.99569	1.02045e-2			
		5	1.00000	97.76096	1.02290e-2			

Peak Sum Table

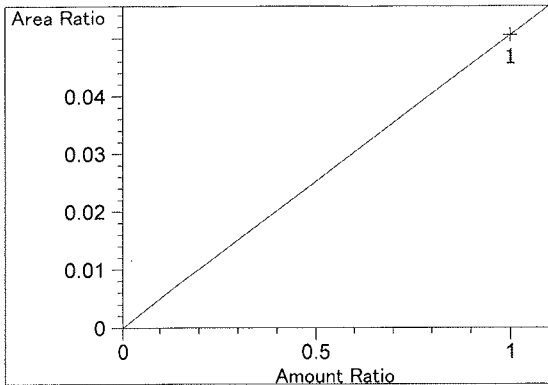
\*\*\*No Entries in table\*\*\*

Calibration Curves

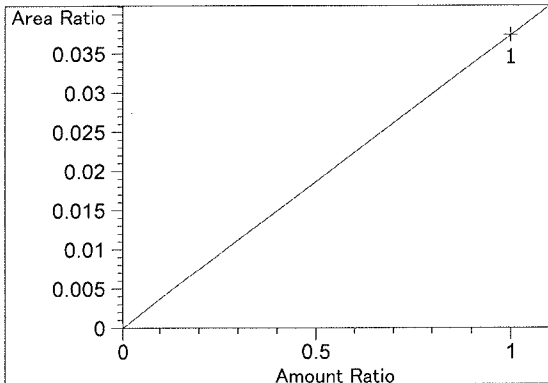


Difluoroethane at exp. RT: 2.000  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 5.08395e-2  
 x: Amount Ratio  
 y: Area Ratio

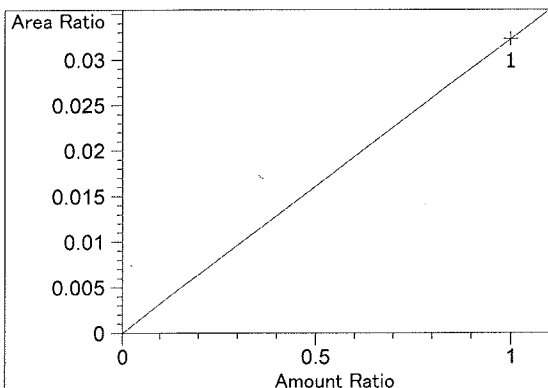
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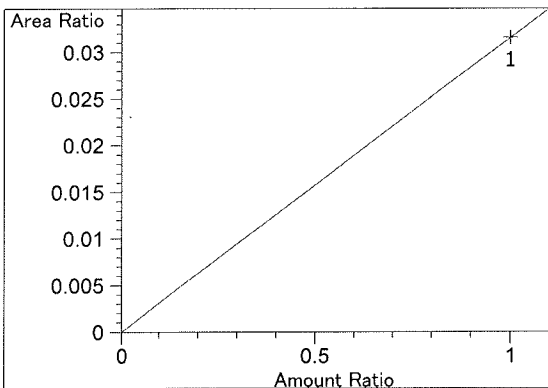
Difluoroethane at exp. RT: 2.000  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 5.05726e-2  
x: Amount Ratio  
y: Area Ratio



Methanol at exp. RT: 2.494  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.73903e-2  
x: Amount Ratio  
y: Area Ratio

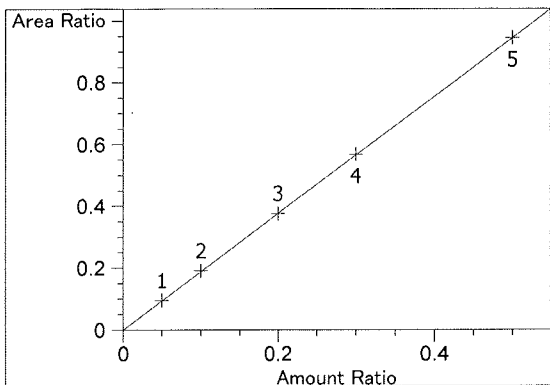


Acetaldehyde at exp. RT: 2.772  
FID1 A, Front Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.22968e-2  
x: Amount Ratio  
y: Area Ratio

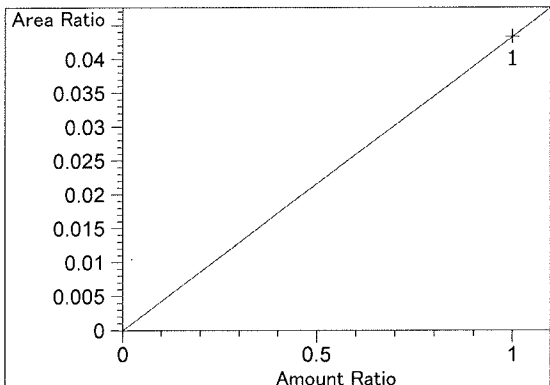


Acetaldehyde at exp. RT: 2.797  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 3.15789e-2  
x: Amount Ratio  
y: Area Ratio

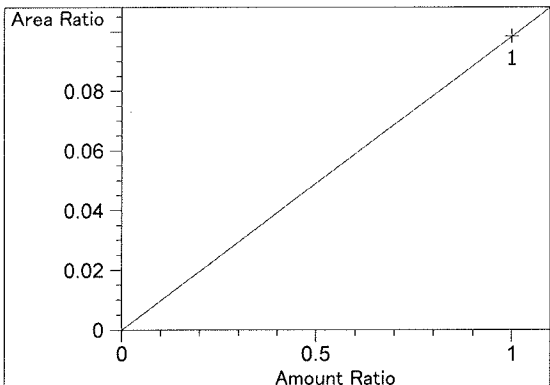
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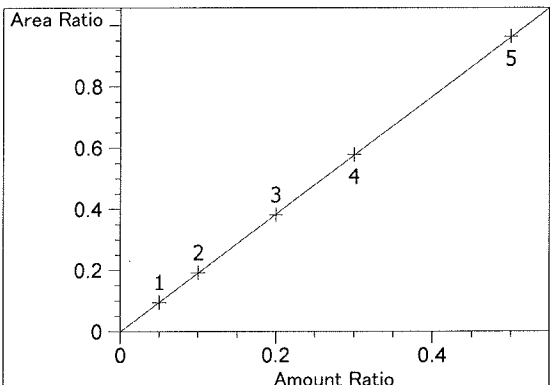
Ethanol at exp. RT: 3.105  
 FID1 A, Front Signal  
 Correlation: 1.00000 ✓  
 Residual Std. Dev.: 0.00140  
 Formula:  $y = mx$   
 m: 1.88937  
 x: Amount Ratio  
 y: Area Ratio



Methanol at exp. RT: 3.211  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 4.33216e-2  
 x: Amount Ratio  
 y: Area Ratio

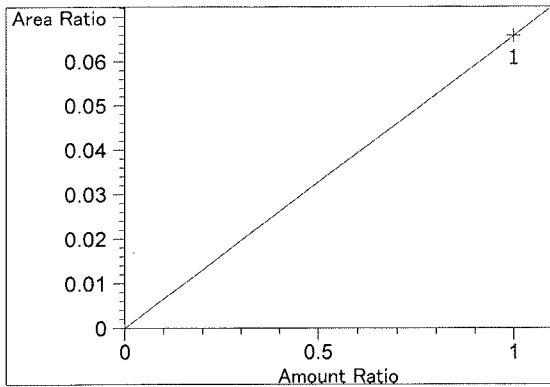


Isopropyl alcohol at exp. RT: 3.715  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m: 9.84198e-2  
 x: Amount Ratio  
 y: Area Ratio

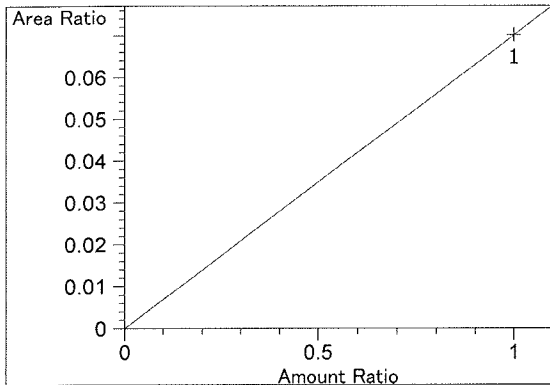


Ethanol at exp. RT: 4.176  
 FID2 B, Back Signal  
 Correlation: 1.00000 ✓  
 Residual Std. Dev.: 0.00181  
 Formula:  $y = mx$   
 m: 1.92465  
 x: Amount Ratio  
 y: Area Ratio

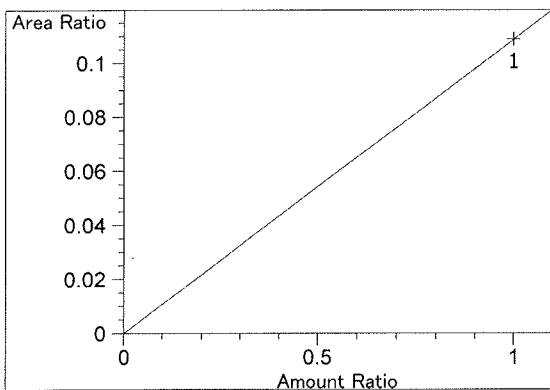
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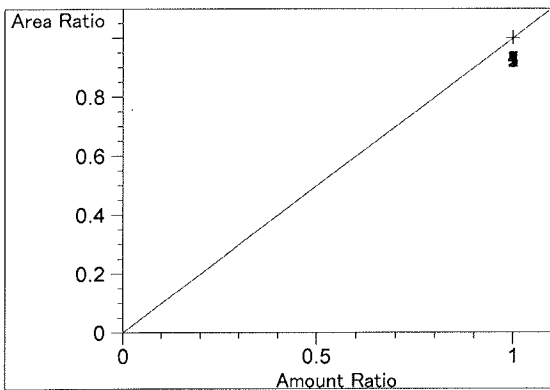
Acetone at exp. RT: 4.530  
 FID1 A, Front Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $6.57383e-2$   
 x: Amount Ratio  
 y: Area Ratio



Acetone at exp. RT: 4.549  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $7.00874e-2$   
 x: Amount Ratio  
 y: Area Ratio



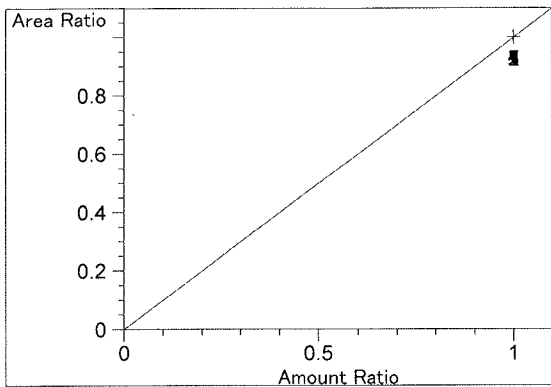
Isopropyl alcohol at exp. RT: 4.870  
 FID2 B, Back Signal  
 Correlation: 1.00000  
 Residual Std. Dev.: 0.00000  
 Formula:  $y = mx$   
 m:  $1.08862e-1$   
 x: Amount Ratio  
 y: Area Ratio



n-Propanol at exp. RT: 4.937  
 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





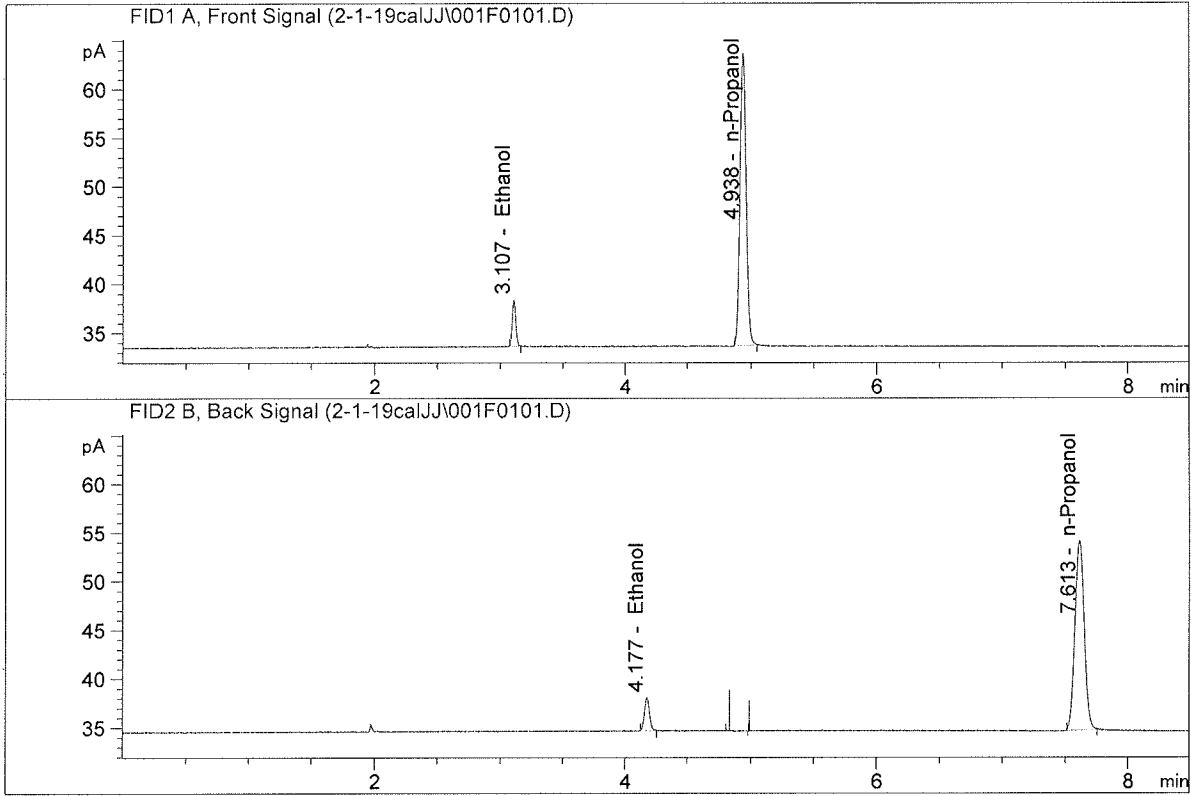
n-Propanol at exp. RT: 7.613  
FID2 B, Back Signal  
Correlation: 1.00000  
Residual Std. Dev.: 0.00000  
Formula:  $y = mx$   
m: 1.00000  
x: Amount Ratio  
y: Area Ratio

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99

ISP Forensic Services Blood Alcohol Report

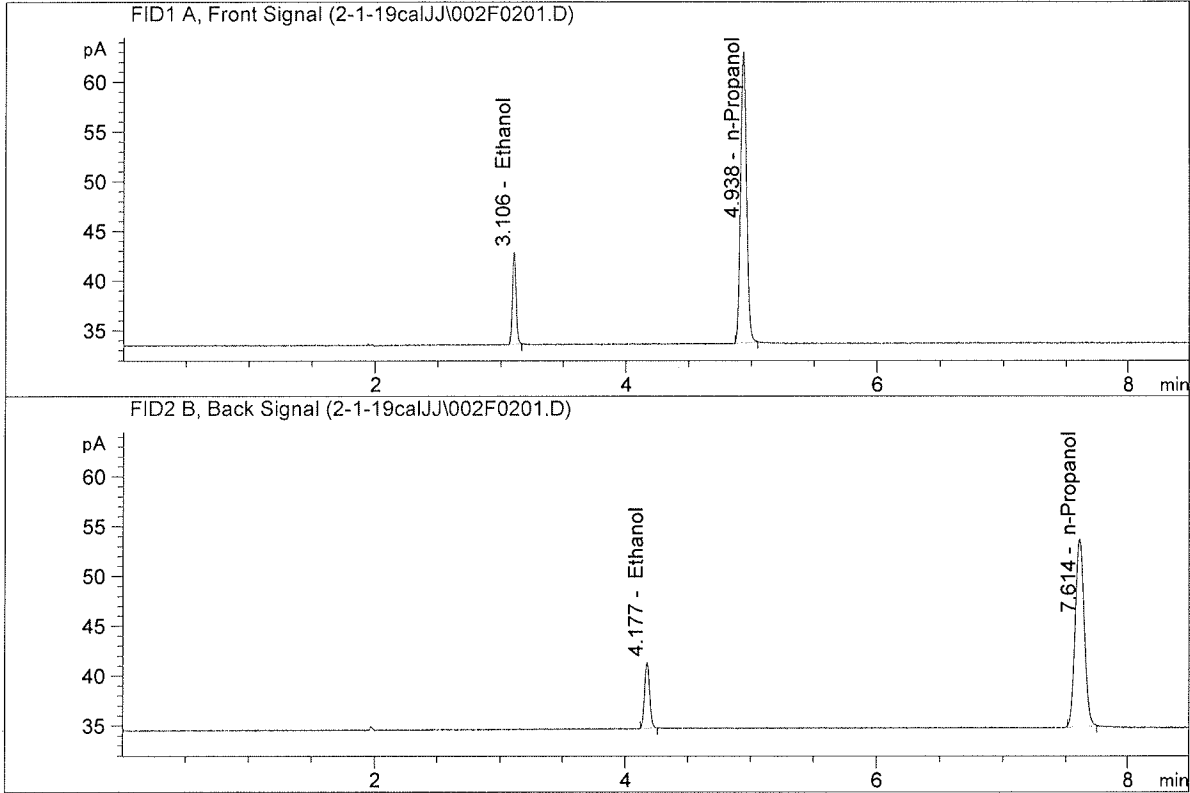
Sample Name : 0.05  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.39952	0.0503	g/100cc
2.	Ethanol	Column 2:	9.33485	0.0493	g/100cc
3.	n-Propanol	Column 1:	98.86783	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.34879	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

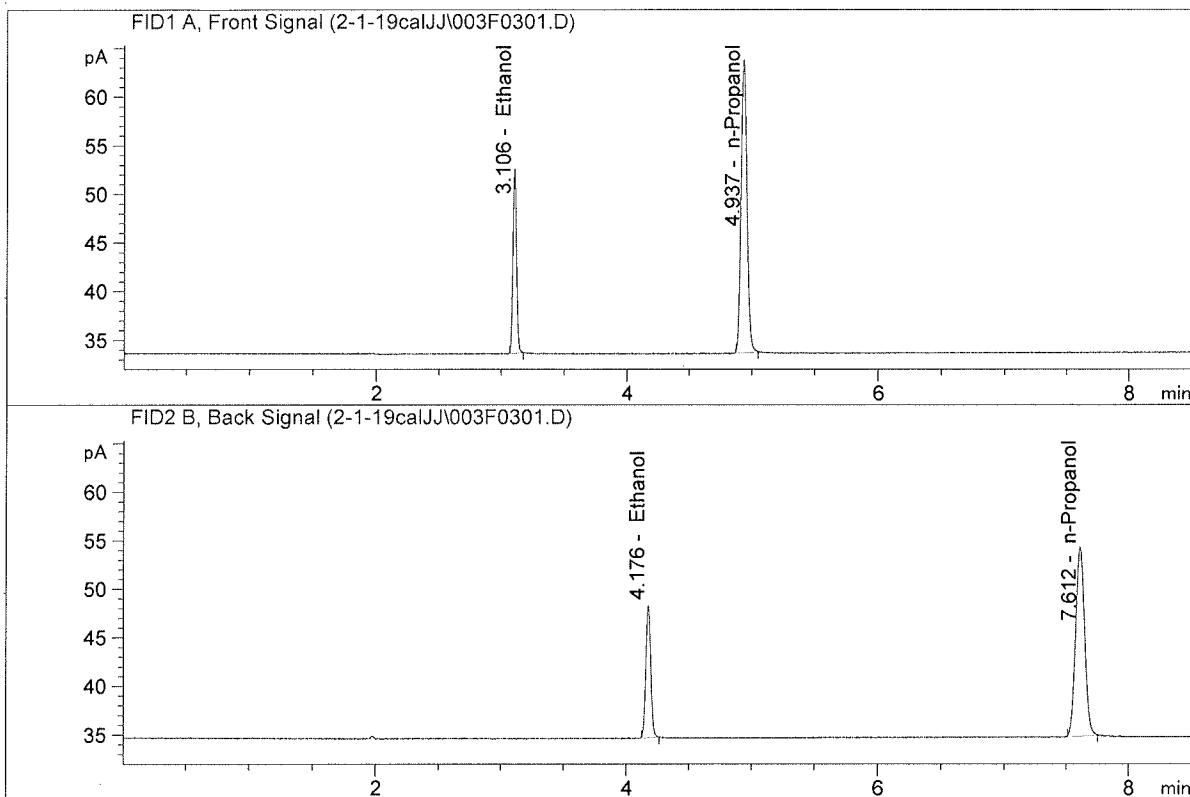


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.40059	0.1008	g/100cc
2.	Ethanol	Column 2:	18.39493	0.0998	g/100cc
3.	n-Propanol	Column 1:	96.59622	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.75522	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

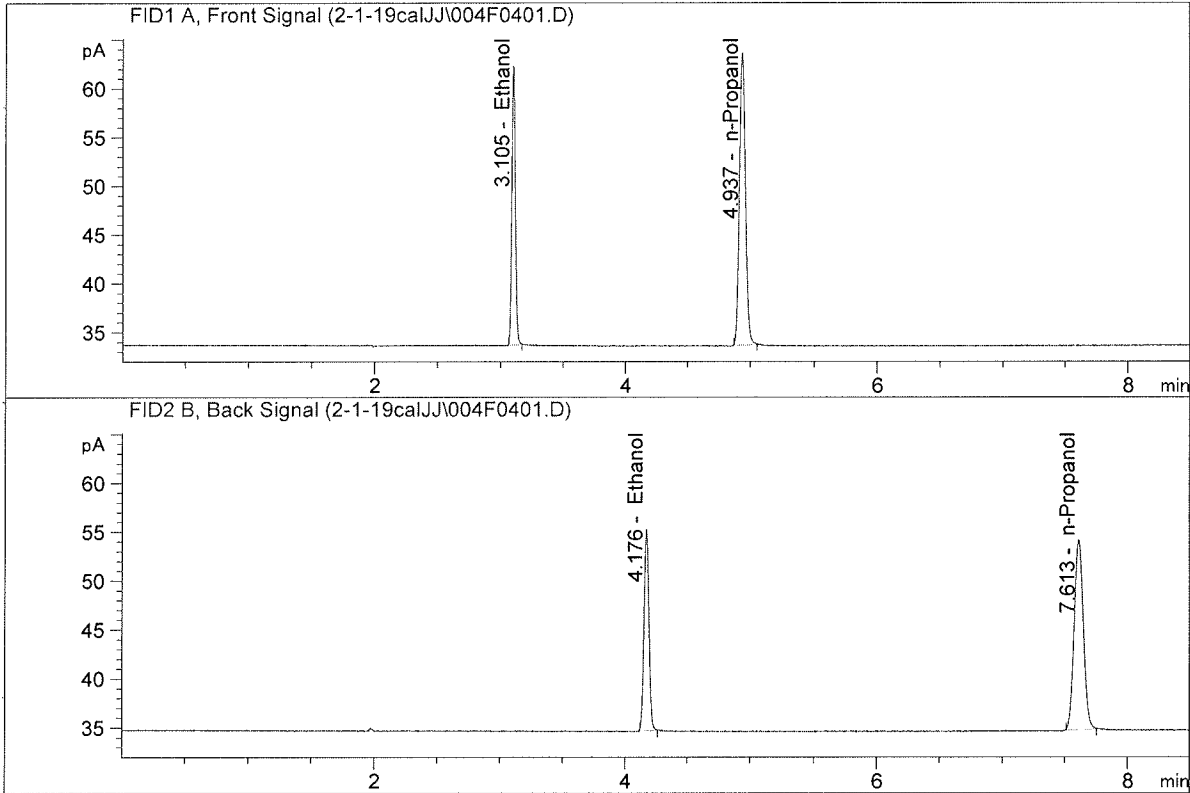


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.35762	0.1990	g/100cc
2.	Ethanol	Column 2:	37.67933	0.1984	g/100cc
3.	n-Propanol	Column 1:	99.36063	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.68575	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

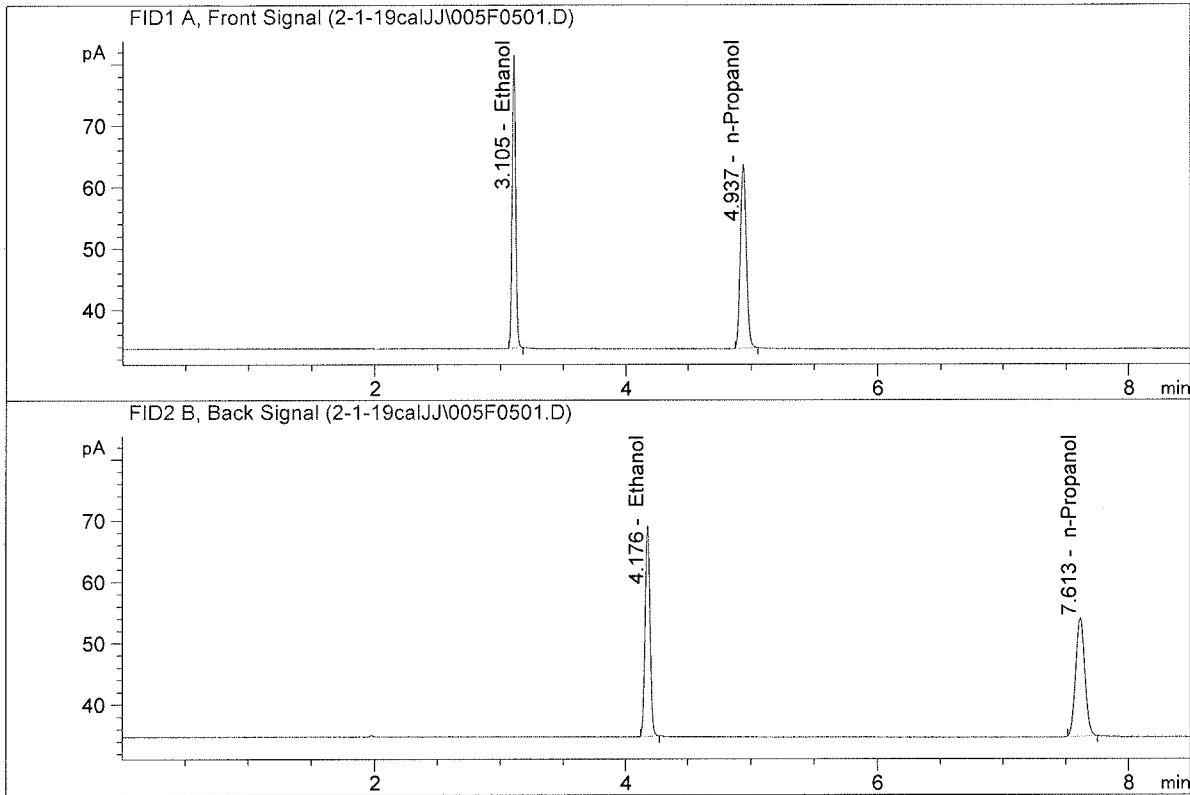


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	56.11258	0.3006	g/100cc
2.	Ethanol	Column 2:	56.64656	0.3003	g/100cc
3.	n-Propanol	Column 1:	98.79227	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.99569	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

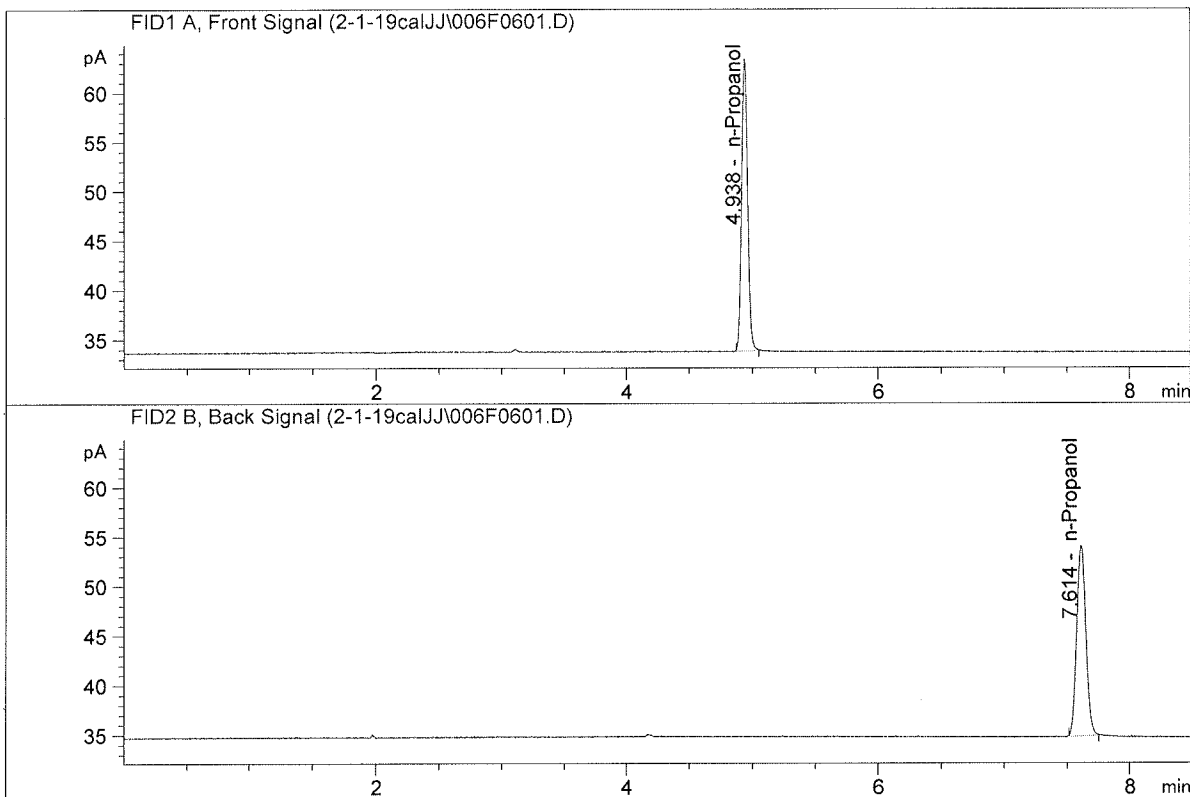


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	93.12396	0.4998	g/100cc
2.	Ethanol	Column 2:	94.18096	0.5005	g/100cc
3.	n-Propanol	Column 1:	98.60986	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.76096	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : blank  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 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:	97.24082	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.95617	1.0000	g/100cc

99

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS\_01.02.2019\_02.48.53\2-1-19cal.S  
 Data directory path: C:\Chem32\1\Data\2-1-19calJJ  
 Logbook: C:\Chem32\1\Data\2-1-19calJJ\2-1-19cal.LOG  
 Sequence start: 2/1/2019 3:02:36 PM  
 Sequence Operator: SYSTEM  
 Operator: SYSTEM

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

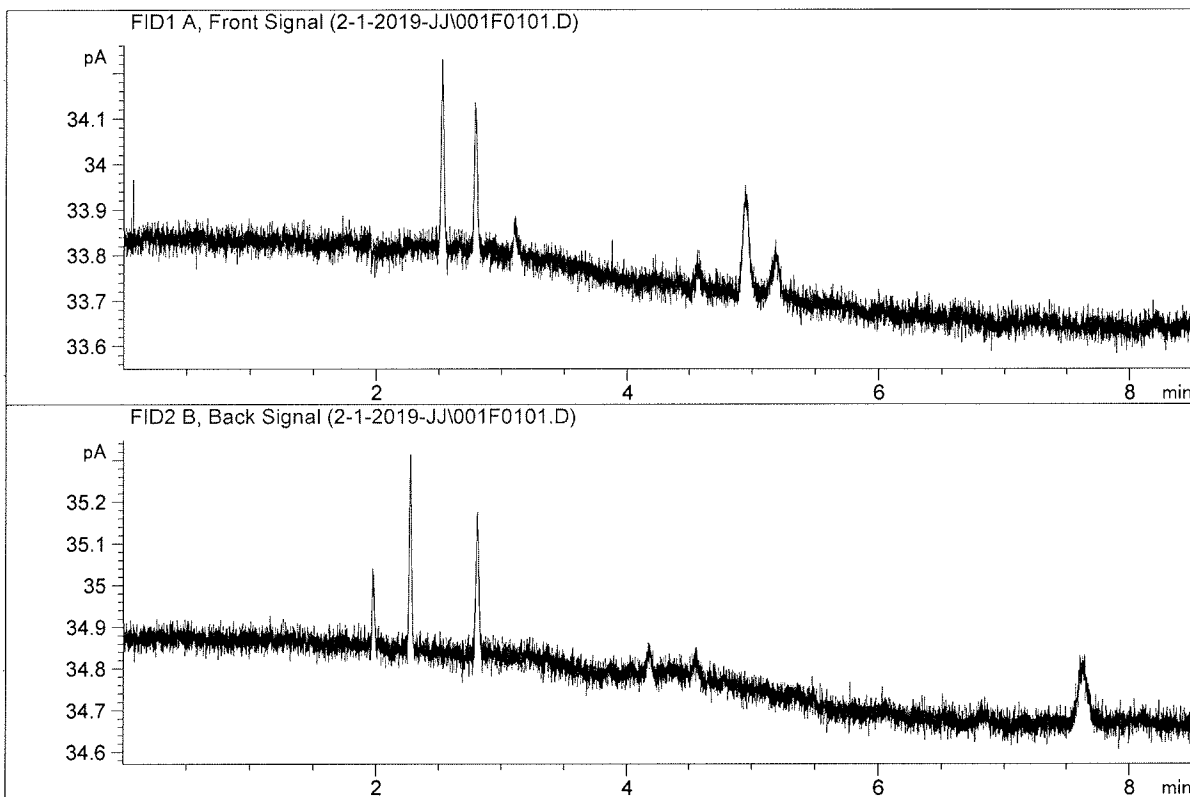
Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
1	1	1	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.100	-	1.0000	002F0201.D	*	4
3	3	1	0.200	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.500	-	1.0000	005F0501.D	*	4
6	6	1	blank	-	1.0000	006F0601.D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

99



ISP Forensic Services Blood Alcohol Report

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

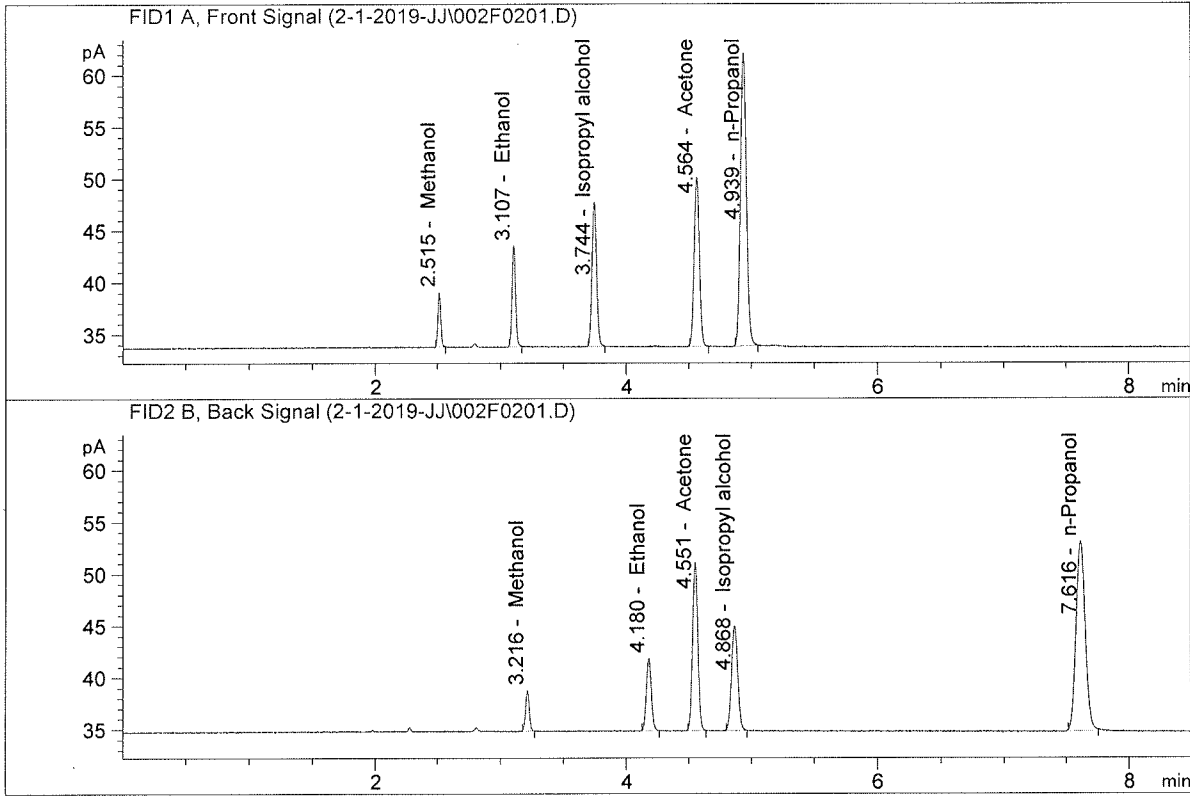


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

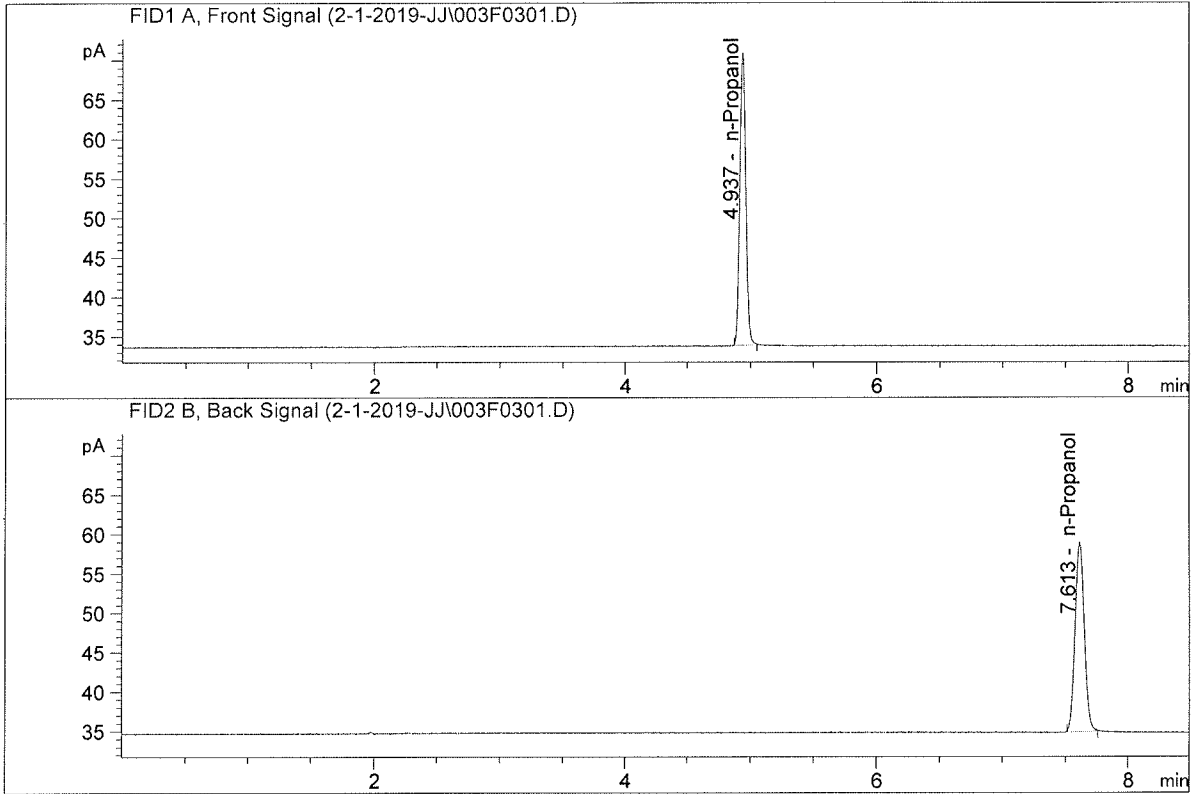
Sample Name : VOL MIX FN-06041502  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.05429	0.1086	g/100cc
2.	Ethanol	Column 2:	19.26797	0.1084	g/100cc
3.	n-Propanol	Column 1:	92.89787	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.36943	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 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:	121.69513	1.0000	g/100cc
4.	n-Propanol	Column 2:	121.27091	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2-A

Analysis Date(s): 01 Feb 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1960	0.1952	0.0008	0.1956	0.1955	
(g/100cc)	0.1956	0.1954	0.0002	0.1955		

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument method is stored centrally.*

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

**Reporting of Results**

Uncertainty of Measurement (UM%): 5.00%

Overall Mean (g/100cc)	Low	High	5% of Mean
0.195	0.185	0.205	0.010

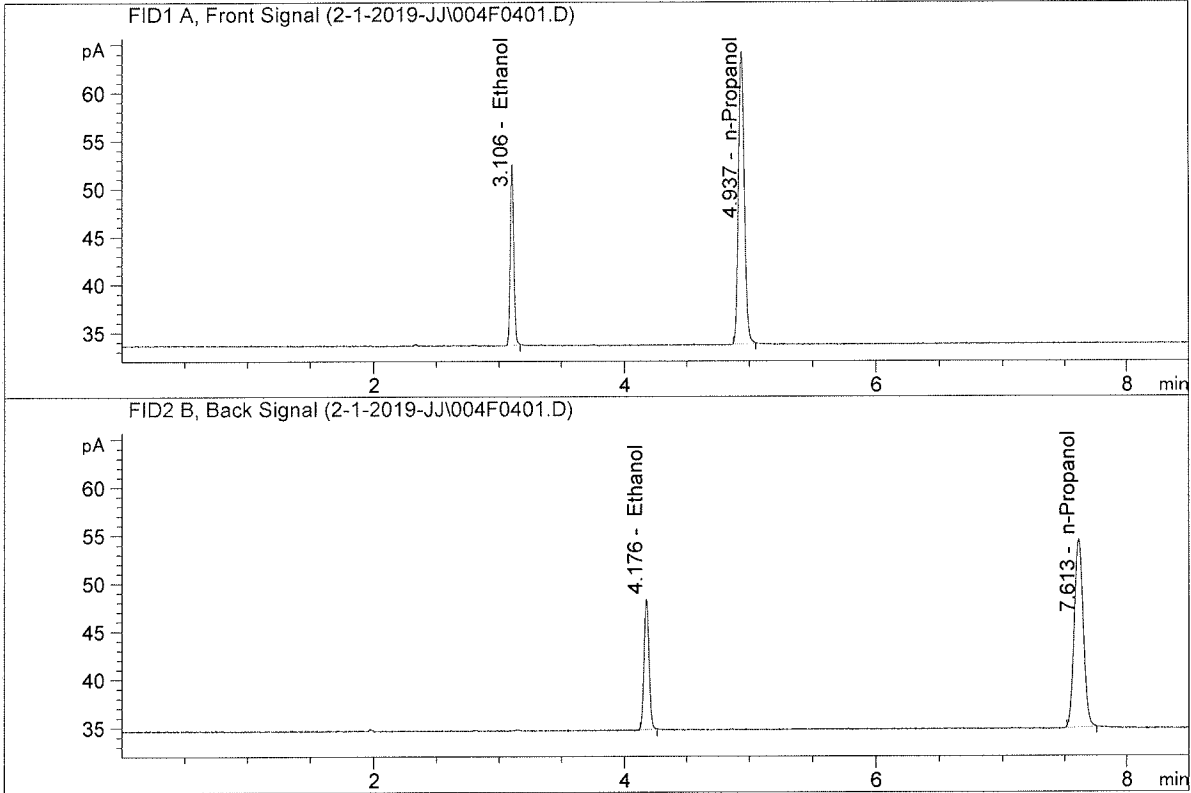
Reported Result	
0.195	

*Calibration and control data are stored centrally.*

99

ISP Forensic Services Blood Alcohol Report

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

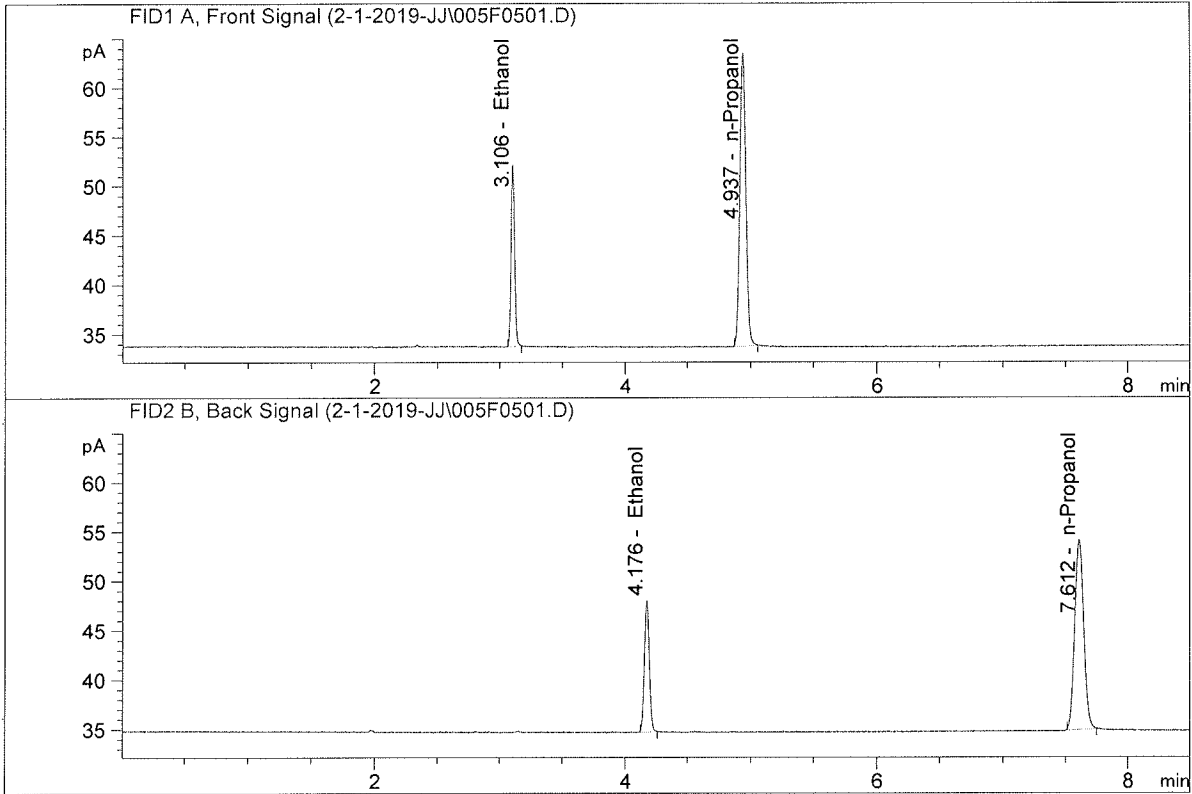


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.09011	0.1960	g/100cc
2.	Ethanol	Column 2:	37.30462	0.1952	g/100cc
3.	n-Propanol	Column 1:	100.17360	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.27559	1.0000	g/100cc

99

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	36.17362	0.1956	g/100cc
2.	Ethanol	Column 2:	36.37470	0.1954	g/100cc
3.	n-Propanol	Column 1:	97.90434	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.73970	1.0000	g/100cc

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: 0.08 FN04171701-A

Analysis Date(s): 01 Feb 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0810	0.0806	0.0004	0.0808	0.0808
(g/100cc)	0.0812	0.0806	0.0006	0.0809	

**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.*

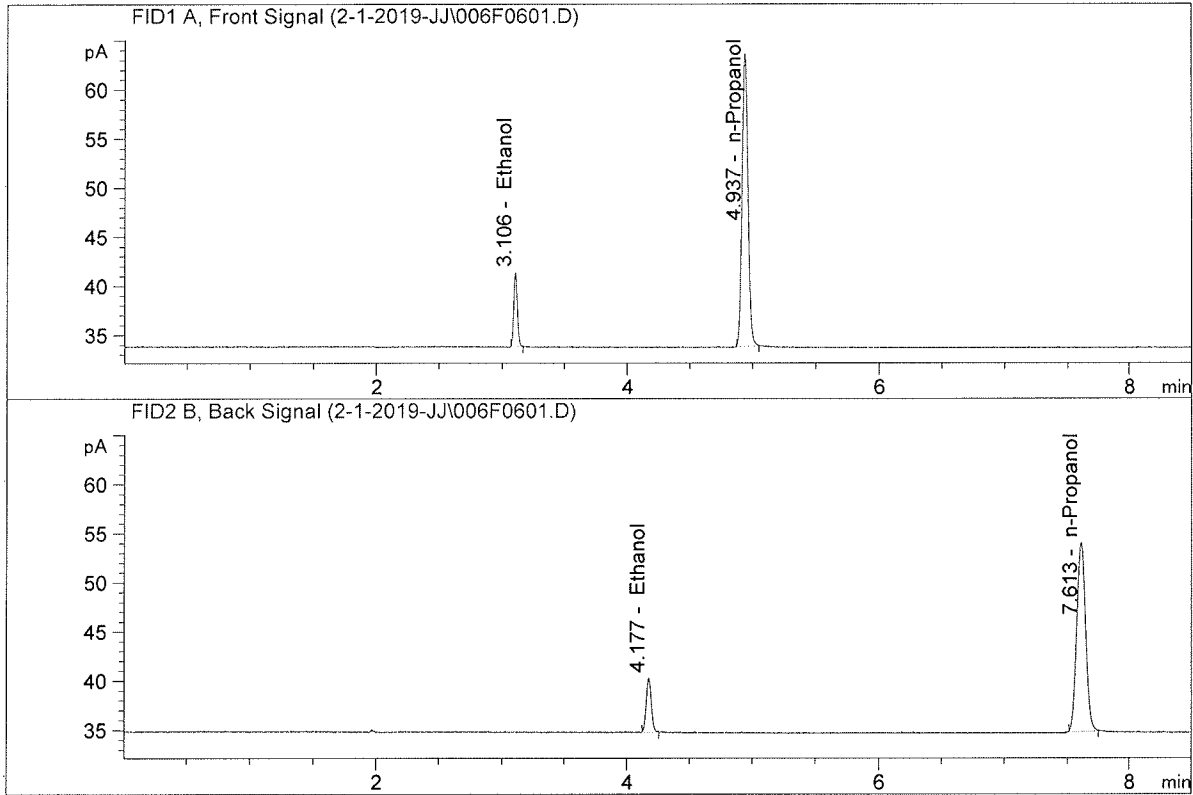
Revision: 1

Issue Date: 01/04/2019

Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-A  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005

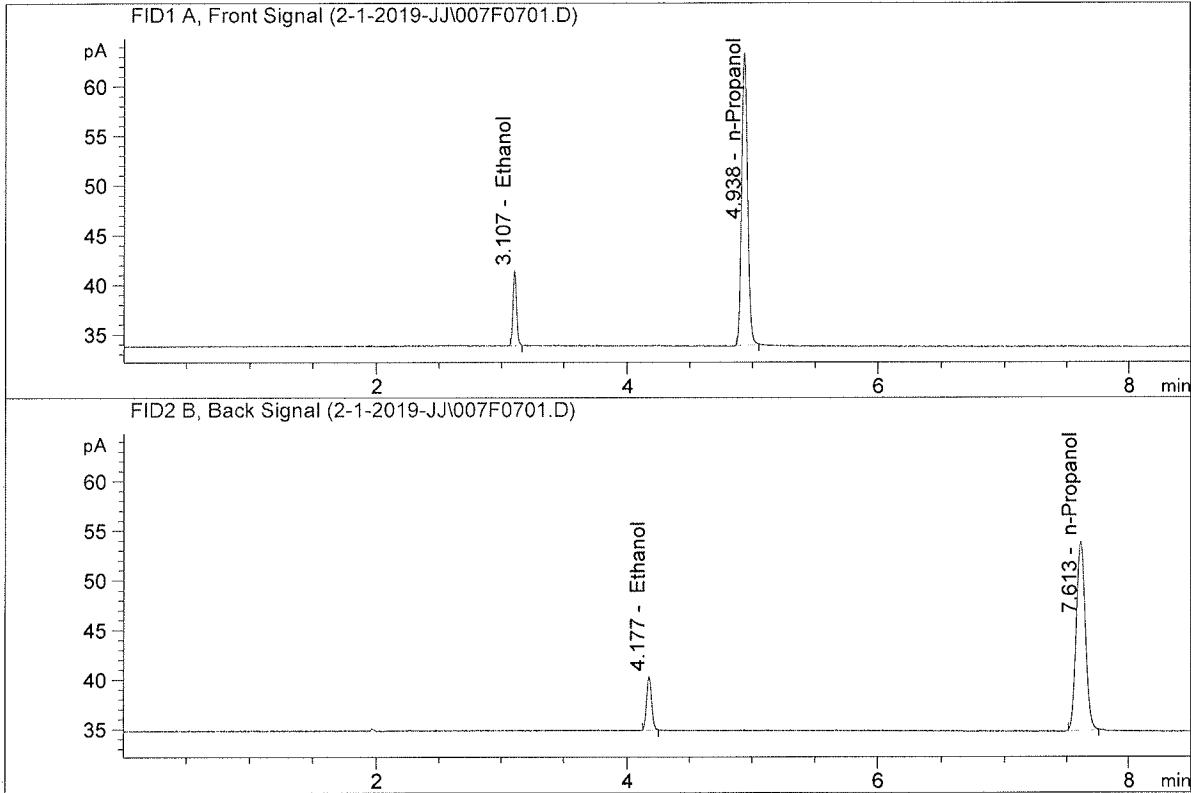


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.99695	0.0810	g/100cc
2.	Ethanol	Column 2:	15.11369	0.0806	g/100cc
3.	n-Propanol	Column 1:	98.03169	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.37740	1.0000	g/100cc



ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN04171701-B  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 2019  
 Method : ALCOHOL.M  
 Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.86021	0.0812	g/100cc
2.	Ethanol	Column 2:	14.91176	0.0806	g/100cc
3.	n-Propanol	Column 1:	96.88197	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.18380	1.0000	g/100cc

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**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-1-A

Analysis Date(s): 01 Feb 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0777	0.0775	0.0002	0.0776	0.0775
(g/100cc)	0.0776	0.0772	0.0004	0.0774	

**Analysis Method**

Refer to Blood Alcohol Method #1

**Instrument Information**

*Instrument method is stored centrally.*

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

**Reporting of Results**

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

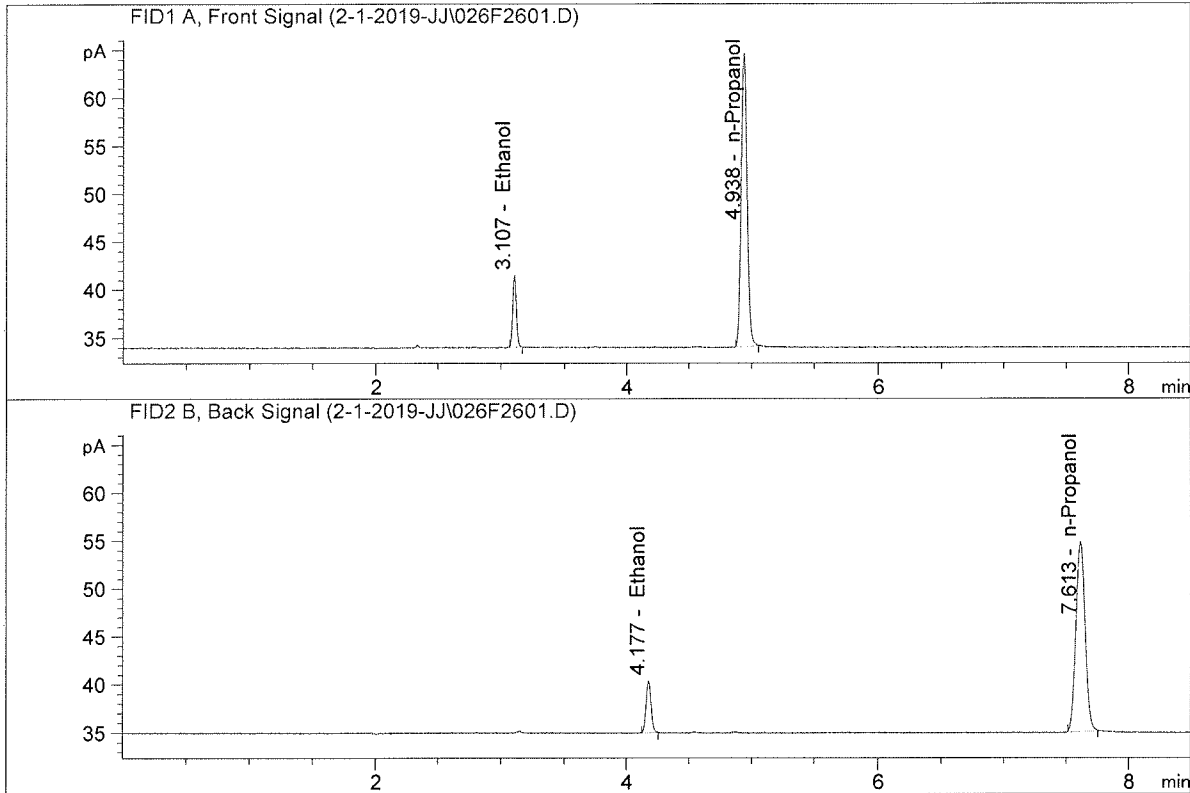
Overall Mean (g/100cc)	Low	High	5% of Mean
0.077	0.073	0.081	0.004

Reported Result	
0.077	

*Calibration and control data are stored centrally.*

ISP Forensic Services Blood Alcohol Report

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

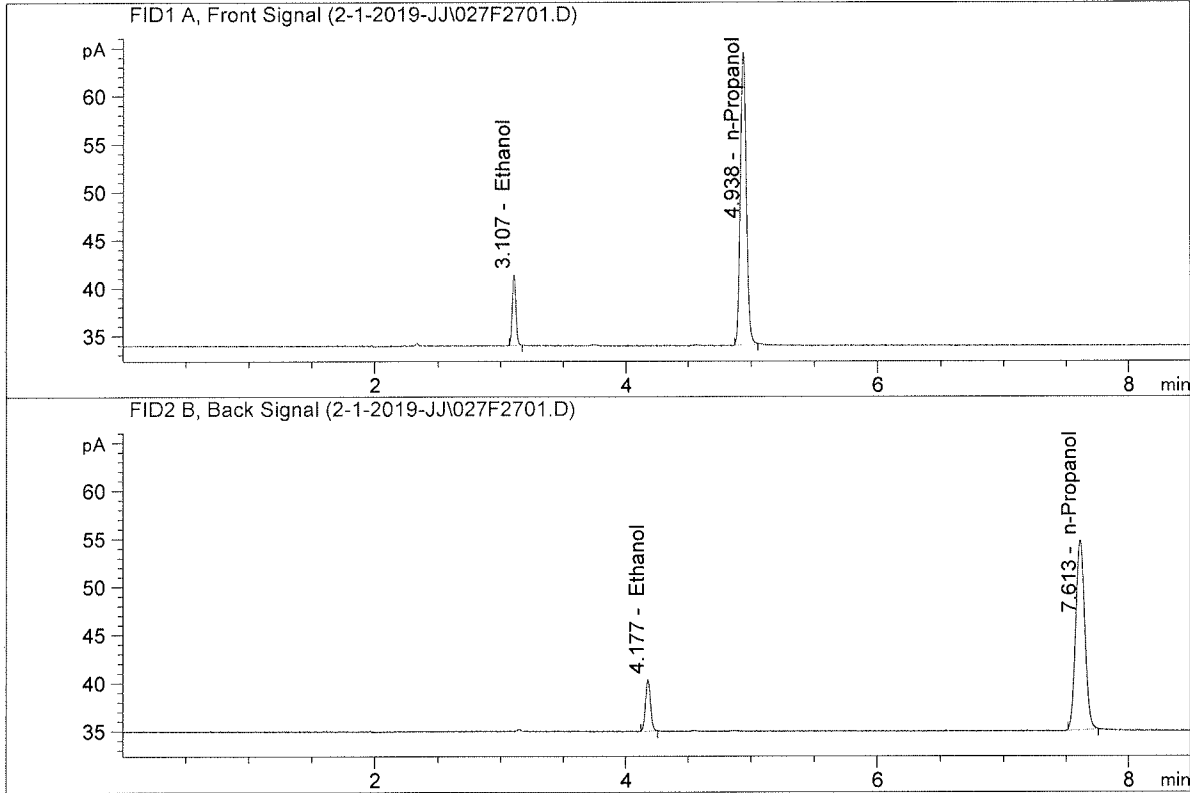


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.80327	0.0777	g/100cc
2.	Ethanol	Column 2:	14.91391	0.0775	g/100cc
3.	n-Propanol	Column 1:	100.85223	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.94691	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.73670	0.0776	g/100cc
2.	Ethanol	Column 2:	14.82144	0.0772	g/100cc
3.	n-Propanol	Column 1:	100.53653	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.80485	1.0000	g/100cc

99

**VOLATILES DETERMINATION CASEFILE WORKSHEET**

Laboratory No.: QC-2-A

Analysis Date(s): 01 Feb 2019

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.1990	0.1986	0.0004	0.1988	0.1989
(g/100cc)	0.1994	0.1988	0.0006	0.1991	

**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
0.198	0.188	0.208	0.010

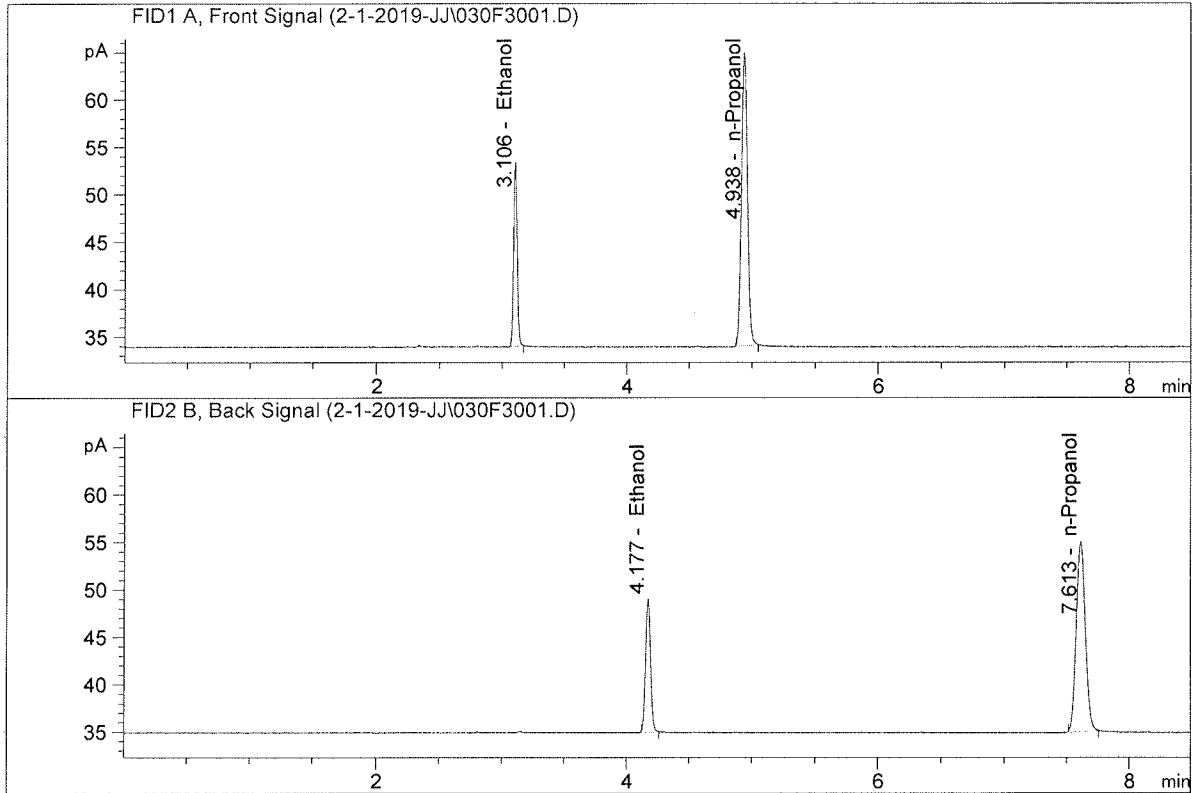
Reported Result	
0.198	

*Calibration and control data are stored centrally.*

99

ISP Forensic Services Blood Alcohol Report

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

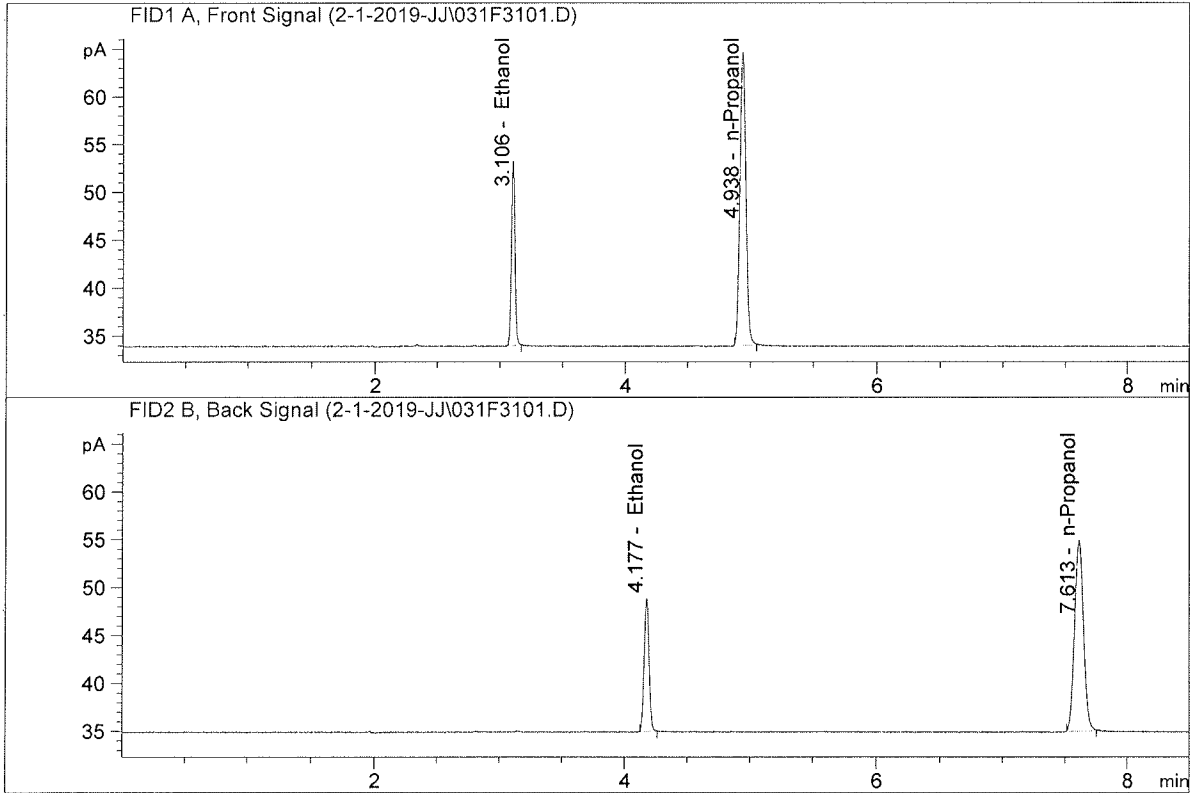


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.31295	0.1990	g/100cc
2.	Ethanol	Column 2:	38.60056	0.1986	g/100cc
3.	n-Propanol	Column 1:	101.87876	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.00656	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

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

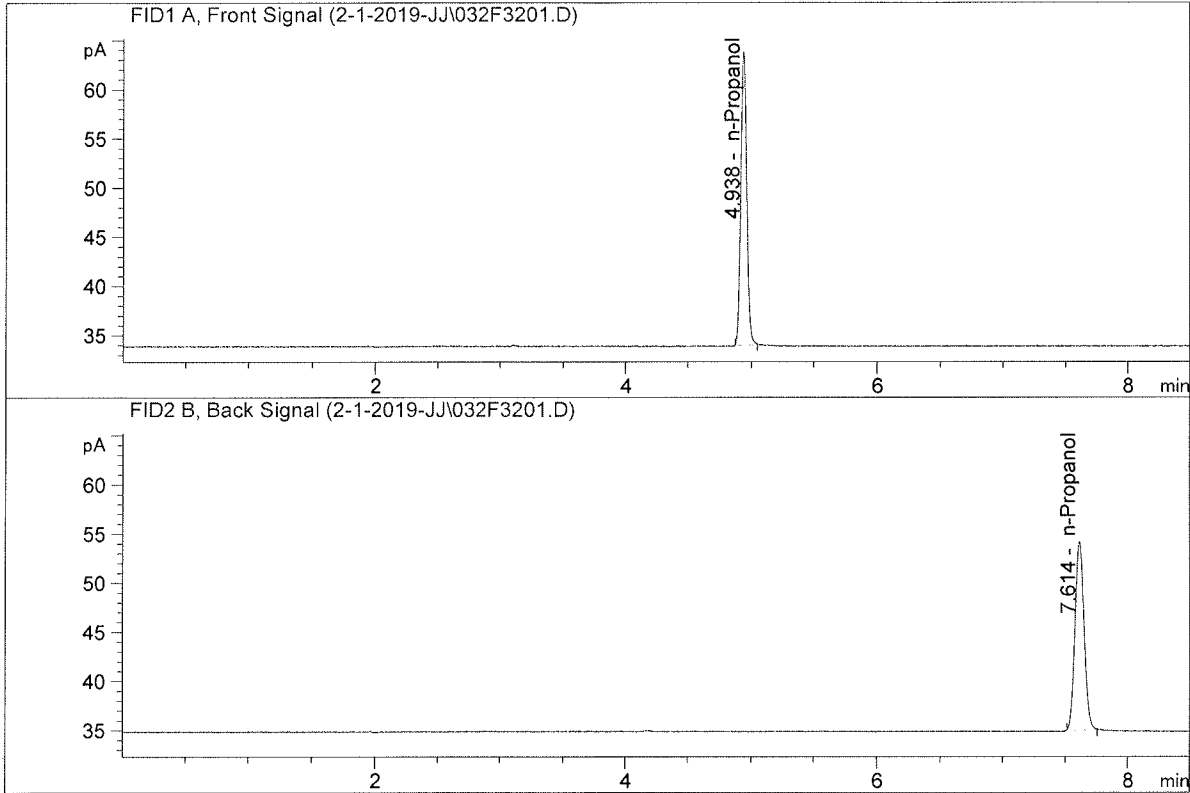


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.96517	0.1994	g/100cc
2.	Ethanol	Column 2:	38.21552	0.1988	g/100cc
3.	n-Propanol	Column 1:	100.77760	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.88929	1.0000	g/100cc

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ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK  
 Laboratory : Coeur d' Alene  
 Injection Date : Feb 1, 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:	98.05759	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.40385	1.0000	g/100cc

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