Worklist: 3935

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2019-3293	1	BCK	Alcohol Analysis	
P2019-3426	1	BCK	Alcohol Analysis	
P2019-3427	1	BCK	Alcohol Analysis	
P2019-3434	1	BCK	Alcohol Analysis	
P2019-3439	1	BCK	Alcohol Analysis	
P2019-3445	1	BCK	Alcohol Analysis	
P2019-3446	1	BCK	Alcohol Analysis	
P2019-3456	1	BCK	Alcohol Analysis	
P2019-3461	1	BCK	Alcohol Analysis	
P2019-3510	2	UCK	Alcohol Analysis	
P2019-3698	1	BCK	Alcohol Analysis	
P2019-3717	1	BCK	Alcohol Analysis	
P2019-3839	2	BCK	Alcohol Analysis	
P2019-3847	1	BCK	Alcohol Analysis	
P2019-3848	1	BCK	Alcohol Analysis	
P2019-3849	1	BCK	Alcohol Analysis	
P2019-3850	1	BCK	Alcohol Analysis	
P2019-3868	1	BCK	Alcohol Analysis	
P2019-3873	1	BCK	Alcohol Analysis	
P2019-3875	1	BCK	Alcohol Analysis	
P2019-3876	1	BCK	Alcohol Analysis	
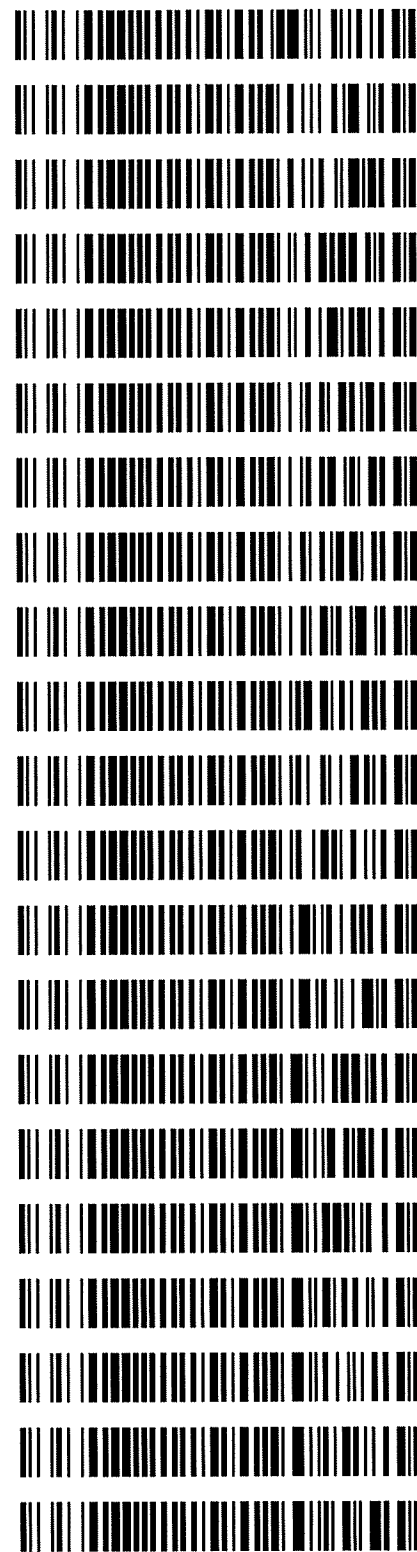
REVIEWED
By Jeremy Johnston at 8:11 am, Jan 14, 2020

Worklist: 3935

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
P2019-3879	1	BCK	Alcohol Analysis
P2019-3880	1	BCK	Alcohol Analysis
P2019-3886	1	BCK	Alcohol Analysis
P2019-3887	1	BCK	Alcohol Analysis
P2019-3892	1	BCK	Alcohol Analysis
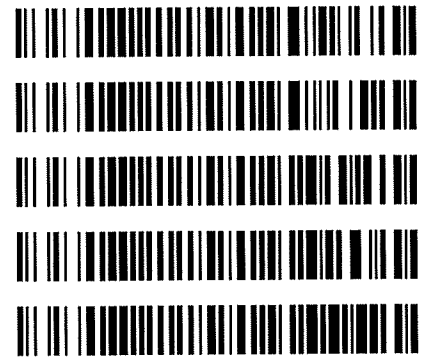
Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB Liquid Processor/Dilutor Serial Number: MD96JF1032

Volatiles Quality Assurance Controls Run Date(s): 01/11/2020

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0770 g/100cc
					0.0793 g/100cc
					0.0807 g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1986 g/100cc
					0.2032 g/100cc
					0.2035 g/100cc

Multi-Component mixture:

Curve Fit:		Column 1	Lot #	FN0710701	
			Column 1	Column2	
		0.99998		0.99988	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0493	0.0464	0.0029	0.0478
100	0.100	0.090 - 0.110	0.0988	0.0946	0.0042	0.0967
200	0.200	0.180 - 0.220	0.1983	0.1952	0.0031	0.1967
300	0.300	0.270 - 0.330	0.2980	0.2976	0.0004	0.2978
400	0.400	0.360 - 0.440		0	#DIV/0!	
500	0.500	0.450 - 0.550	0.5022	0.5048	0.0026	0.5035

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.077 g/100cc

```
==========================================================================
                          Calibration Table
==========================================================================


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


Calib. Data Modified   :     Saturday, January 11, 2020 11:24:46 AM
Signals calculated separately :     No


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

Curve Type             :     Linear
Origin                 :     Forced
Weight                 :     Equal

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

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

Default Sample ISTD Information (if not set in sample table):
ISTD  ISTD Amount   Name
  #    [g/100cc]
----|-------------|-------------------------
  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
      --------------------------------------------------------------------
```

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

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.311	2	1	1.00000	6.45200	1.54991e-1	No	No	2	Fluorinated ethane
2.365	1	1	1.00000	1.84105	5.43168e-1	No	No	1	Fluorinated ethane
2.685	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.950	2	1	1.00000	11.54700	8.66026e-2	No	No	2	Acetaldehyde
2.975	1	1	1.00000	10.52400	9.50209e-2	No	No	1	Acetaldehyde
3.328	1	1	5.00000e-2	11.52539	4.33825e-3	No	No	1	Ethanol
		2	1.00000e-1	22.81040	4.38397e-3				
		3	2.00000e-1	45.96497	4.35114e-3				
		4	3.00000e-1	68.14643	4.40228e-3				
		5	5.00000e-1	114.54920	4.36494e-3				
3.372	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.993	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.322	2	1	5.00000e-2	10.16626	4.91823e-3	No	No	2	Ethanol
		2	1.00000e-1	20.49380	4.87952e-3				
		3	2.00000e-1	42.62117	4.69250e-3				
		4	3.00000e-1	64.34679	4.66224e-3				
		5	5.00000e-1	108.94952	4.58928e-3				
4.704	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.853	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
5.050	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
5.272	1	1	1.00000	106.17996	9.41797e-3	No	Yes	1	n-Propanol
		2	1.00000	104.84975	9.53746e-3				
		3	1.00000	105.24194	9.50192e-3				
		4	1.00000	103.81126	9.63287e-3				
		5	1.00000	103.55622	9.65659e-3				
		6	1.00000	111.45872	8.97193e-3				
7.746	2	1	1.00000	99.23103	1.00775e-2	No	Yes	2	n-Propanol
		2	1.00000	98.19037	1.01843e-2				
		3	1.00000	98.95718	1.01054e-2				
		4	1.00000	97.96475	1.02078e-2				
		5	1.00000	97.78963	1.02260e-2				
		6	1.00000	113.50471	8.81021e-3				
11.631	2	1	1.00000	864.84247	1.15628e-3	No	No	2	Toluene
12.229	1	1	1.00000	918.48389	1.08875e-3	No	No	1	Toluene

Peak Sum Table

No Entries in table

==
Calibration Curves
==
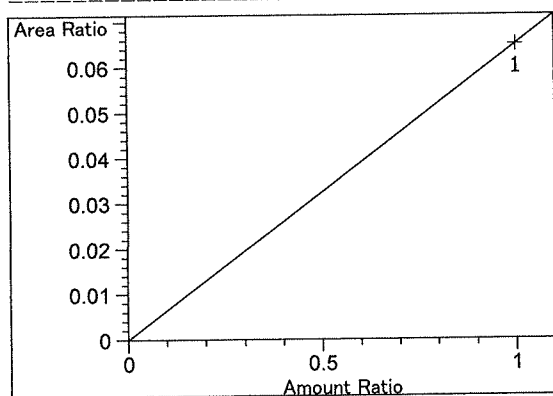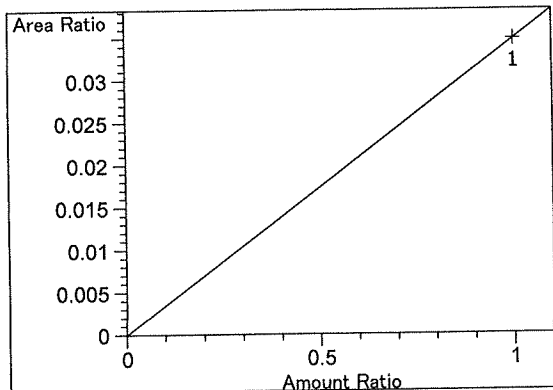

Fluorinated ethane at exp. RT: 2.311
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
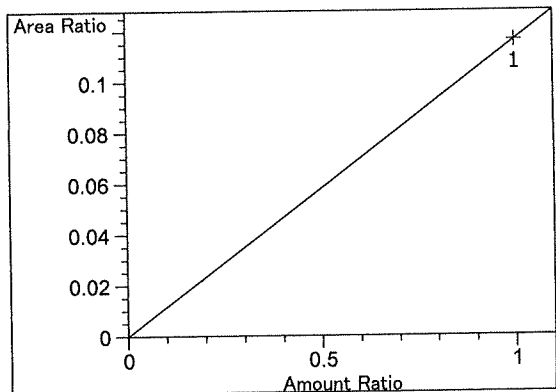   m: 6.50200e-2
    x: Amount Ratio
    y: Area Ratio

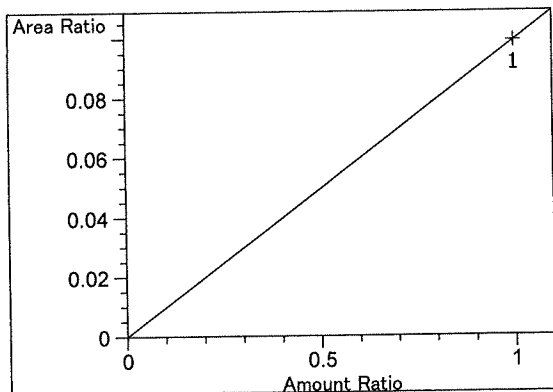Method C:\CHEM32\1\METHODS\ALCOHOL.M
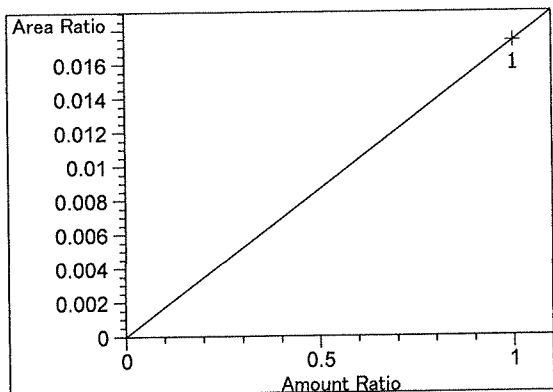
Fluorinated ethane at exp. RT: 2.365
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.73390e-2
        x: Amount Ratio
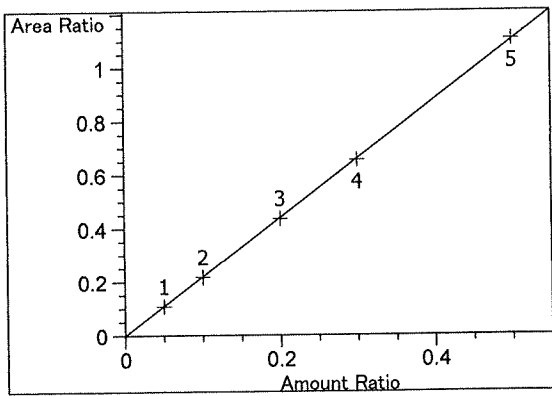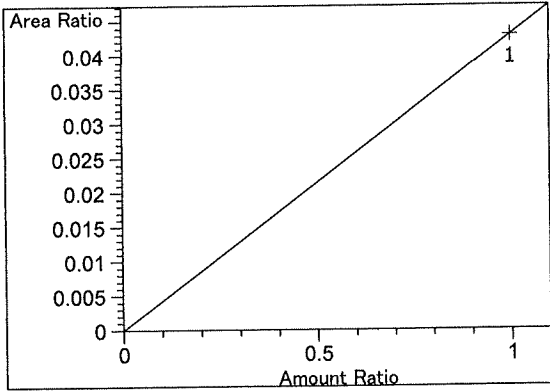   y: Area Ratio

Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 3.48154e-2
        x: Amount Ratio
        y: Area Ratio

Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.16365e-1
        x: Amount Ratio
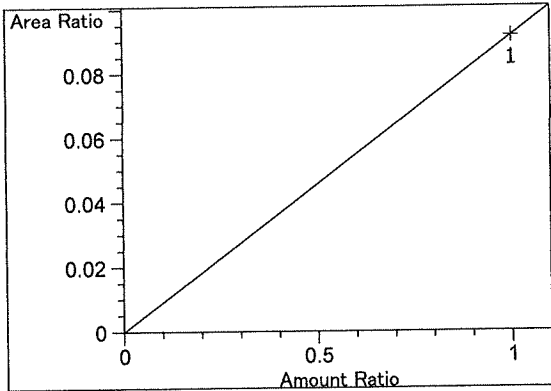   y: Area Ratio

Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 9.91147e-2
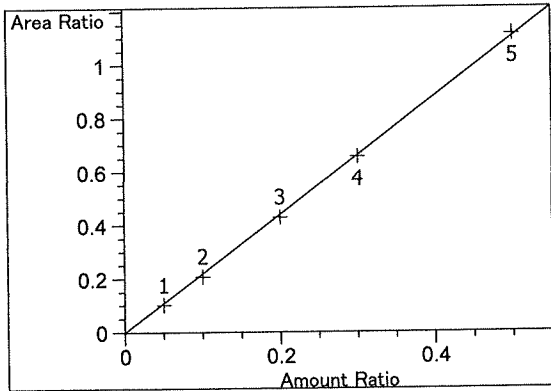   x: Amount Ratio
        y: Area Ratio

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

Ethanol at exp. RT: 3.328
FID1 A, Front Signal
Correlation: 0.99998
Residual Std. Dev.:   0.00407
Formula: y = mx
        m: 2.20266
        x: Amount Ratio
        y: Area Ratio

Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 4.29364e-2
        x: Amount Ratio
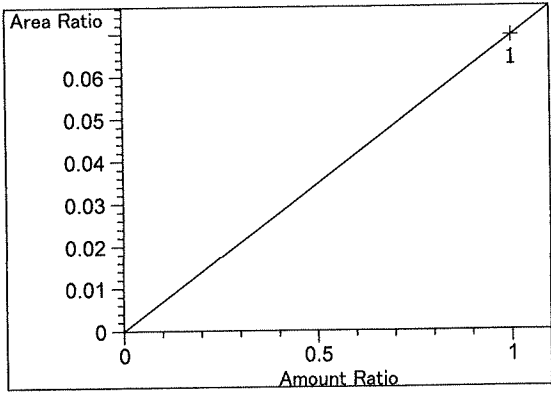   y: Area Ratio

Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 9.16421e-2
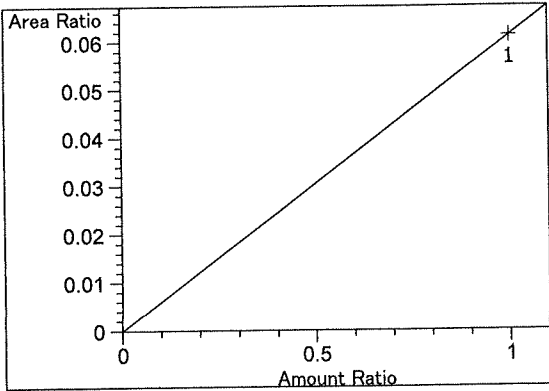   x: Amount Ratio
        y: Area Ratio

Ethanol at exp. RT: 4.322
FID2 B, Back Signal
Correlation: 0.99988
Residual Std. Dev.:   0.01074
Formula: y = mx
        m: 2.20700
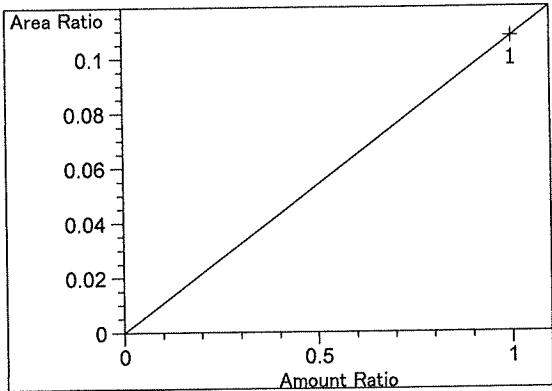   x: Amount Ratio
        y: Area Ratio

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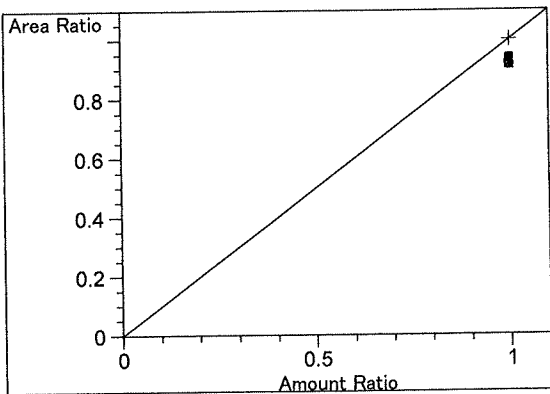

Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 6.94643e-2
        x: Amount Ratio
        y: Area Ratio

Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 6.12112e-2
        x: Amount Ratio
        y: Area Ratio

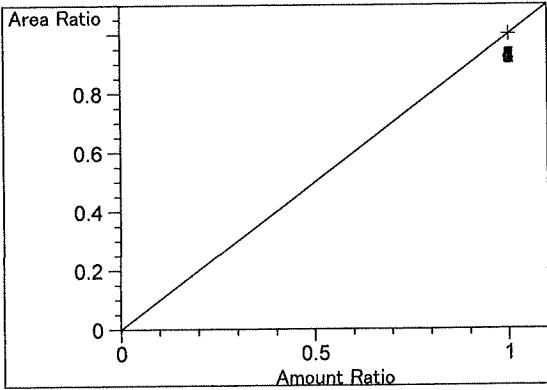Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.07894e-1
        x: Amount Ratio
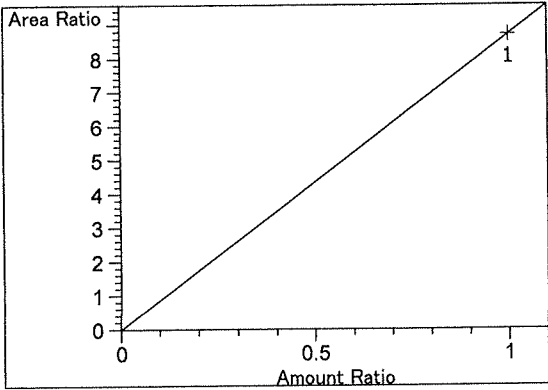   y: Area Ratio

n-Propanol at exp. RT: 5.272
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: 7.746
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 1.00000
        x: Amount Ratio
        y: Area Ratio

Toluene at exp. RT: 11.631
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 8.71544
        x: Amount Ratio
        y: Area Ratio

Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.:   0.00000
Formula: y = mx
        m: 8.65026
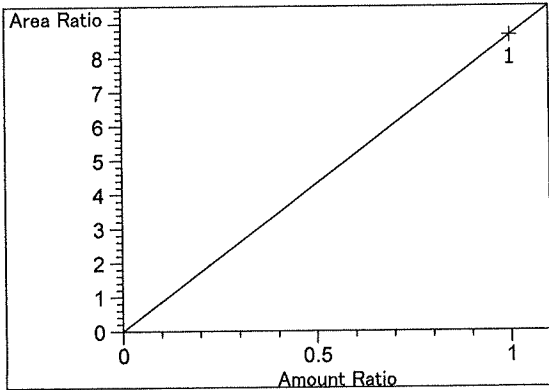   x: Amount Ratio
        y: Area Ratio

===

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.050
Laboratory   :   Pocatello
Injection Date :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010
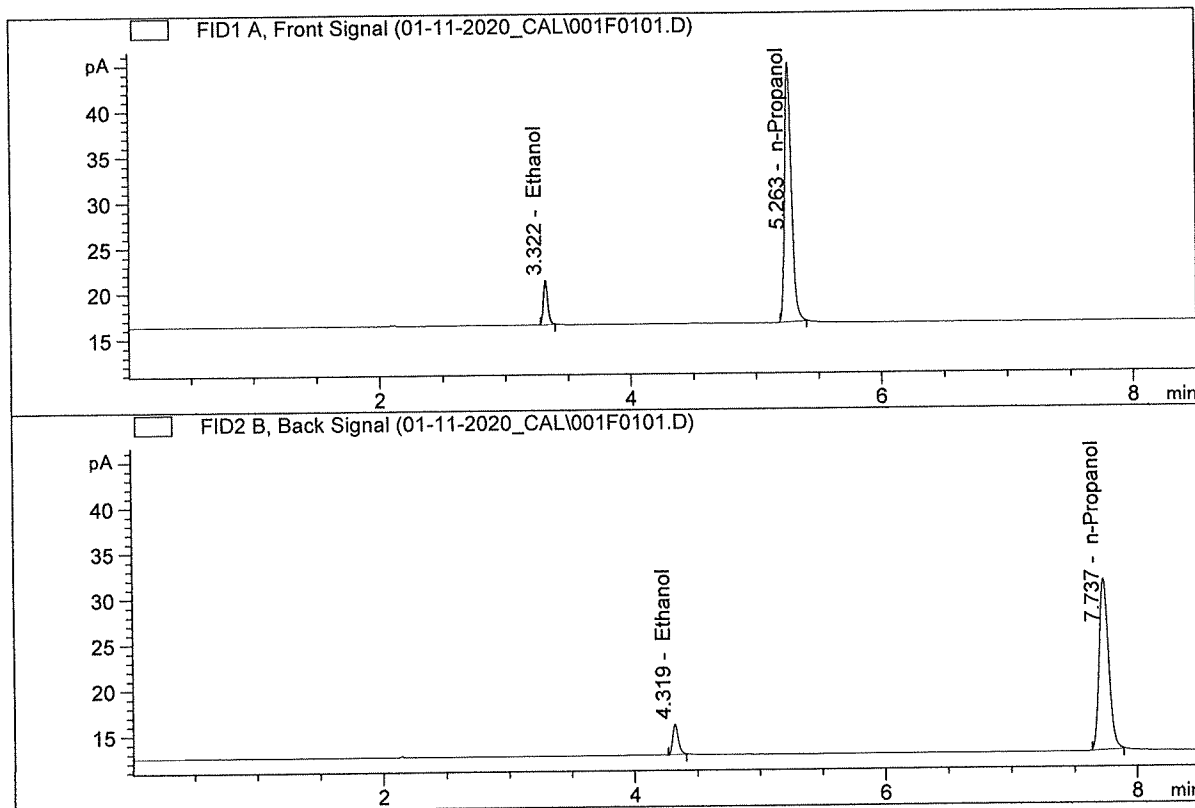
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.52539	0.0493	g/100cc
2.	Ethanol	Column 2:	10.16626	0.0464	g/100cc
3.	n-Propanol	Column 1:	106.17996	1.0000	g/100cc
4.	n-Propanol	Column 2:	99.23103	1.0000	g/100cc

Sample Name   :   0.100
Laboratory   :   Pocatello
Injection Date :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010
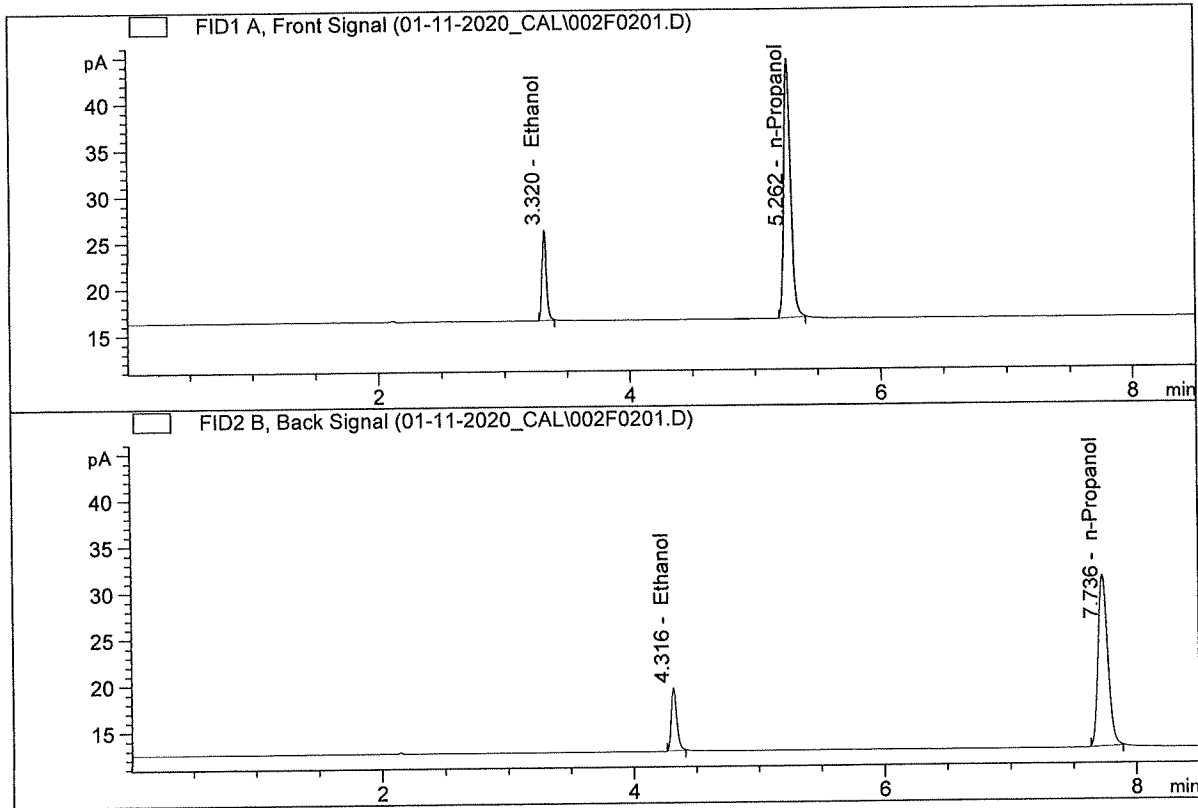
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.81040	0.0988	g/100cc
2.	Ethanol	Column 2:	20.49380	0.0946	g/100cc
3.	n-Propanol	Column 1:	104.84975	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.19037	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :    0.200
Laboratory      :    Pocatello
Injection Date  :    Jan 11, 2020
Method          :    ALCOHOL.M
Acq. Instrument :    CN10742043-IT00741010
```
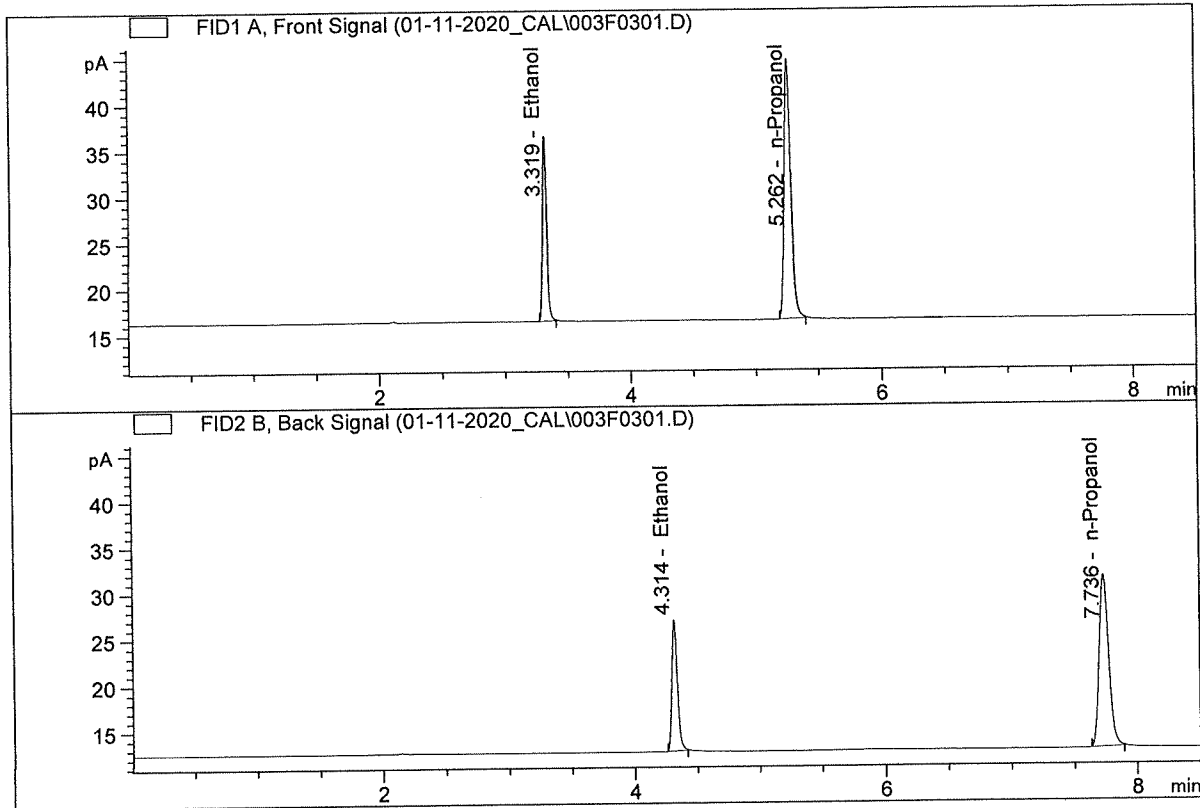

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.96497	0.1983	g/100cc
2.	Ethanol	Column 2:	42.62117	0.1952	g/100cc
3.	n-Propanol	Column 1:	105.24194	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.95718	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   0.300
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

FID1 A, Front Signal (01-11-2020_CAL\004F0401.D)

3.318 - Ethanol
5.261 - n-Propanol

FID2 B, Back Signal (01-11-2020_CAL\004F0401.D)

4.313 - Ethanol
7.735 - n-Propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	68.14643	0.2980	g/100cc
2.	Ethanol	Column 2:	64.34679	0.2976	g/100cc
3.	n-Propanol	Column 1:	103.81126	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.96475	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   0.500
Laboratory      :   Pocatello
Injection Date  :   Jan 11, 2020
Method          :   ALCOHOL.M
Acq. Instrument:    CN10742043-IT00741010
```
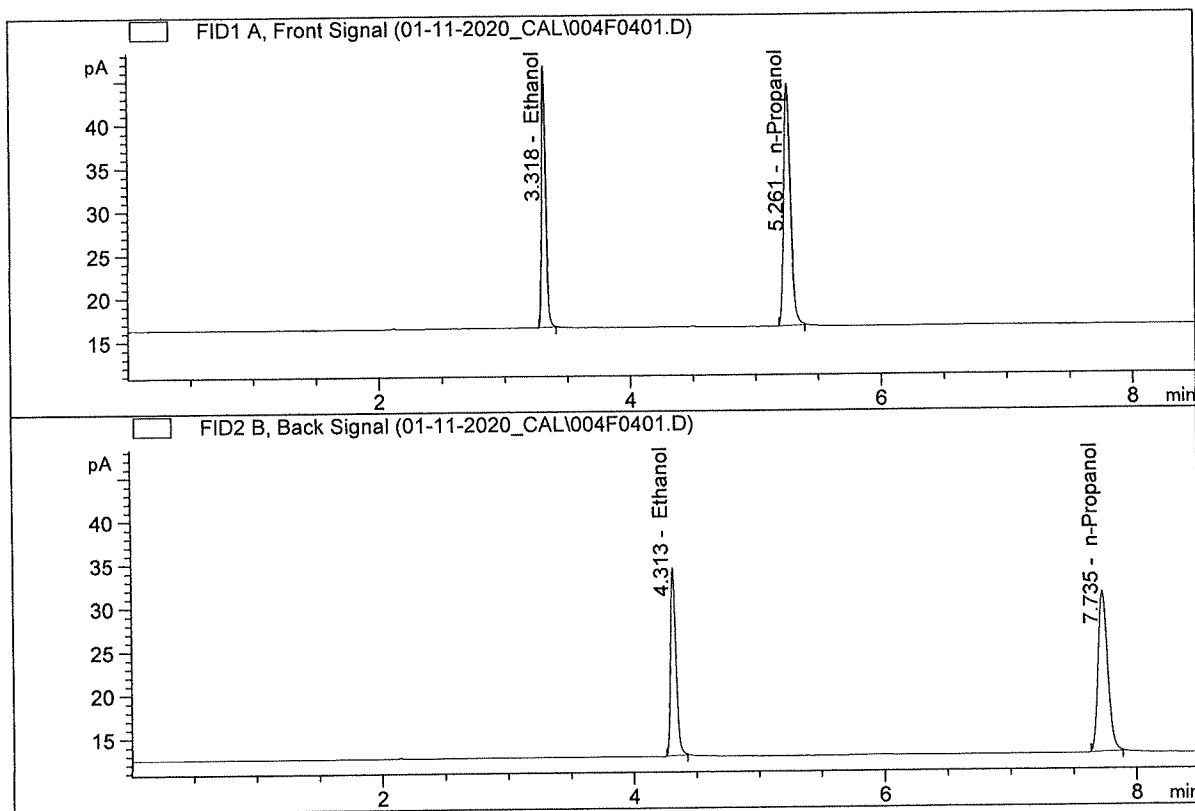

FID1 A, Front Signal (01-11-2020_CAL\005F0501.D)

FID2 B, Back Signal (01-11-2020_CAL\005F0501.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	114.54920	0.5022	g/100cc
2.	Ethanol	Column 2:	108.94952	0.5048	g/100cc
3.	n-Propanol	Column 1:	103.55622	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.78963	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INTERNAL STANDARD
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
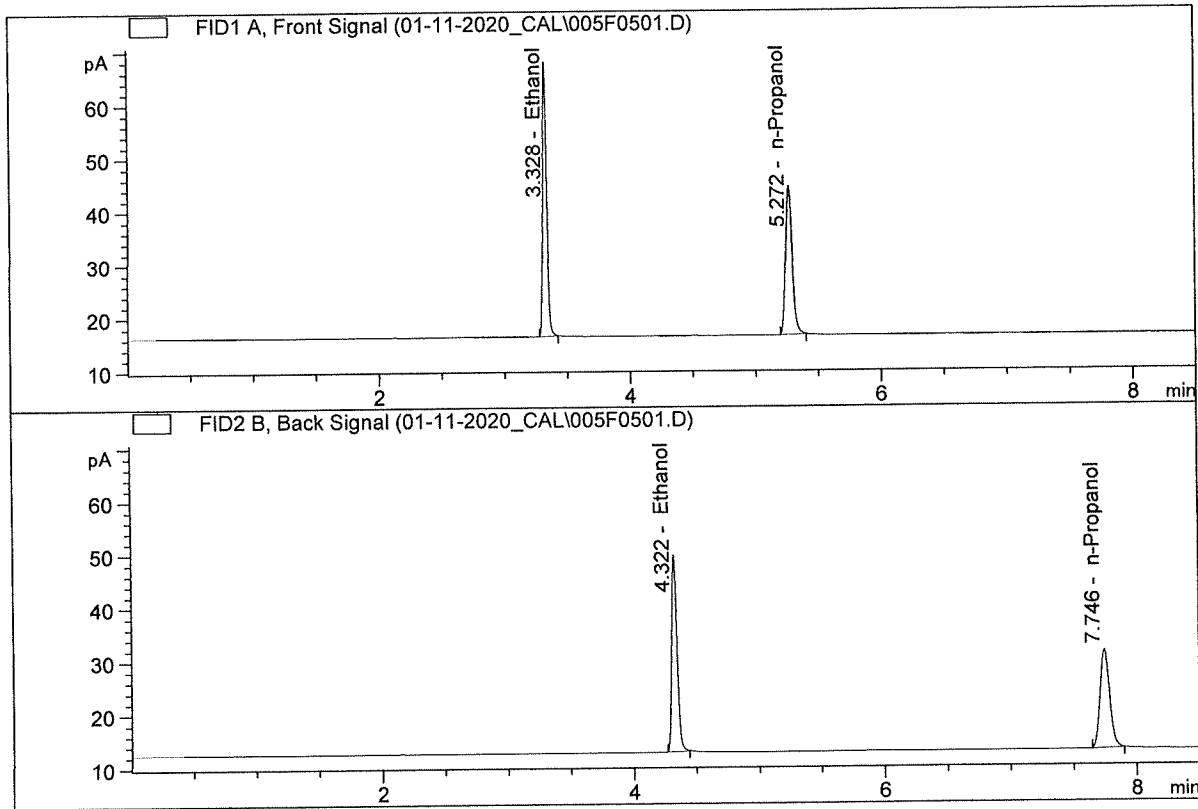Acq. Instrument: CN10742043-IT00741010
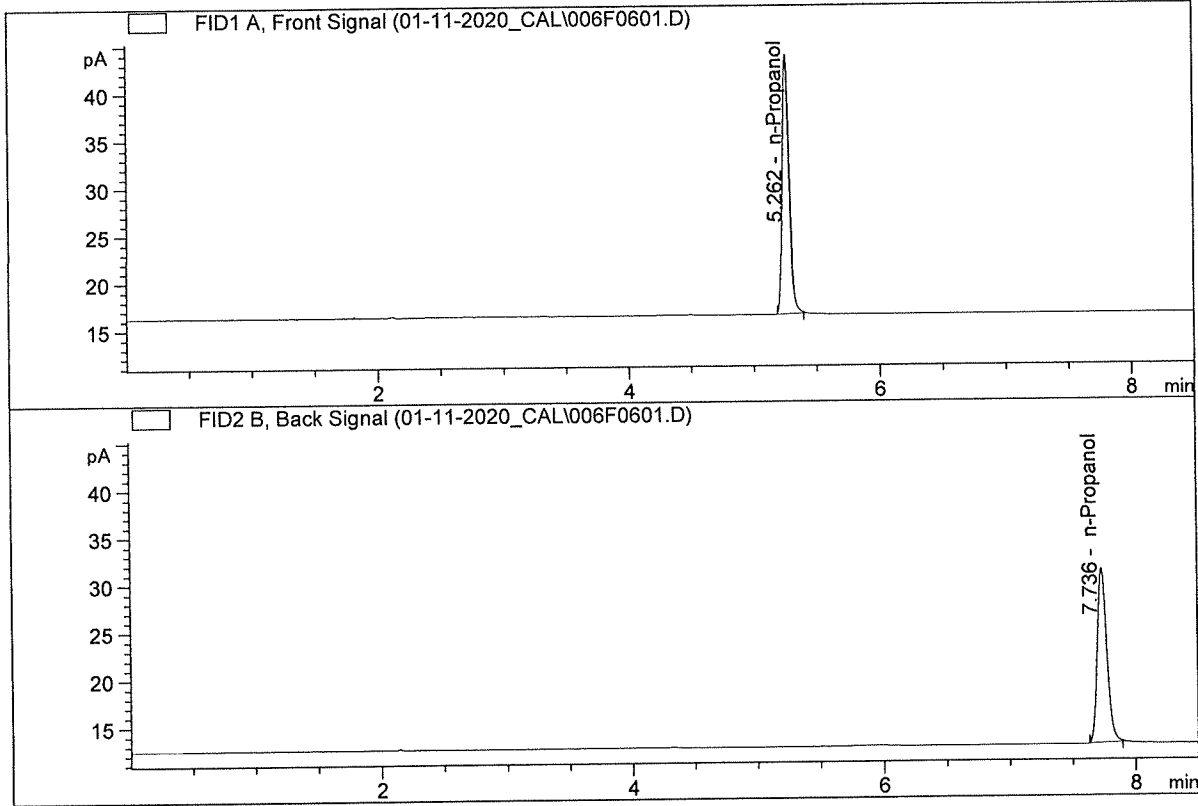
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	101.55785	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.68507	1.0000	g/100cc

Sample Summary

Sequence table:	C:\Chem32\1\TEMP\AESEQ\QS_11.01.2020_10.02.00\MASTERCAL.S
Data directory path:	C:\Chem32\1\Data\01-11-2020_CAL
Logbook:	C:\Chem32\1\Data\01-11-2020_CAL\MASTERCAL.LOG
Sequence start:	1/11/2020 10:15:49 AM
Sequence Operator:	SYSTEM
Operator:	SYSTEM

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

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
1	1	1	0.050	–	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	INTERNAL STANDAR	–	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   INT STD 1
Laboratory       :   Pocatello
Injection Date   :   Jan 11, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```


FID1 A, Front Signal (01-11-2020_SAMPLES\001F0101.D)

5.262 - n-Propanol

FID2 B, Back Signal (01-11-2020_SAMPLES\001F0101.D)
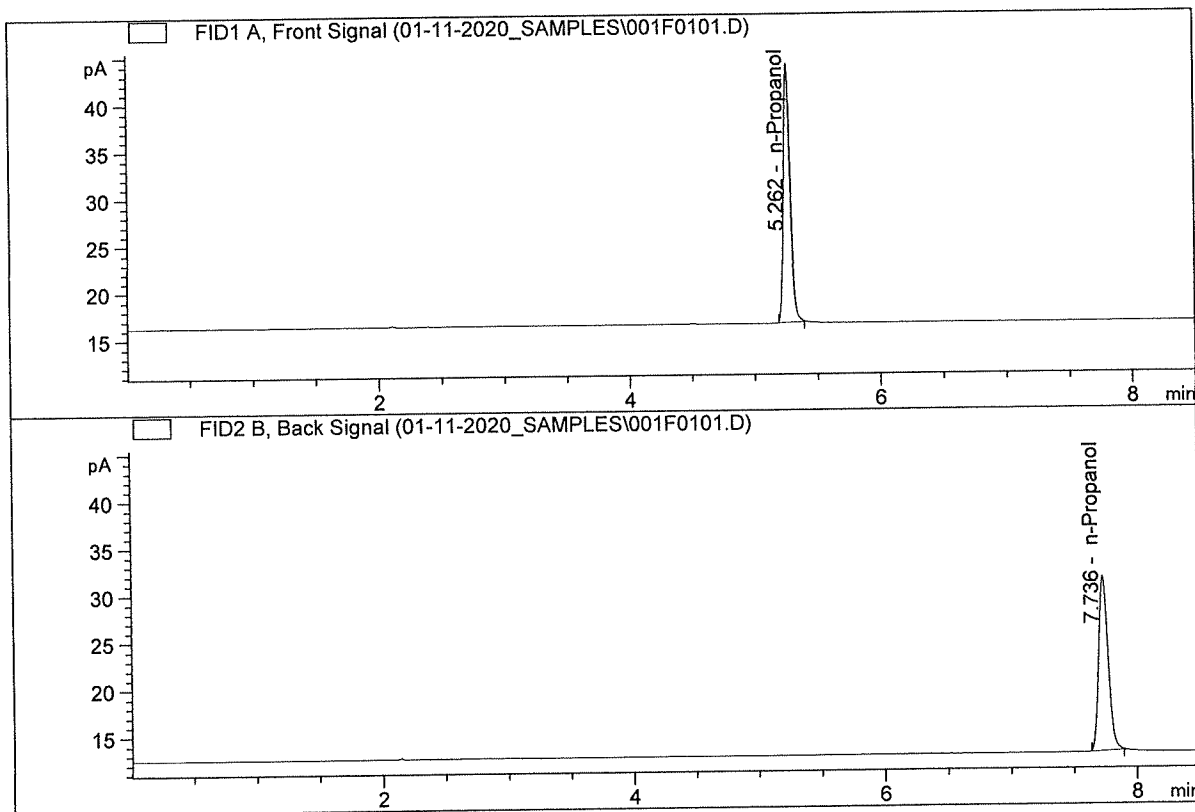
7.736 - n-Propanol

#	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:	101.64348	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.03004	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   MULTI-COMP MIX
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

FID1 A, Front Signal (01-11-2020_SAMPLES\002F0201.D)

FID2 B, Back Signal (01-11-2020_SAMPLES\002F0201.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.05887	0.1282	g/100cc
2.	Ethanol	Column 2:	16.19834	0.1201	g/100cc
3.	n-Propanol	Column 1:	63.95063	1.0000	g/100cc
4.	n-Propanol	Column 2:	61.12554	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   INT STD 2
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
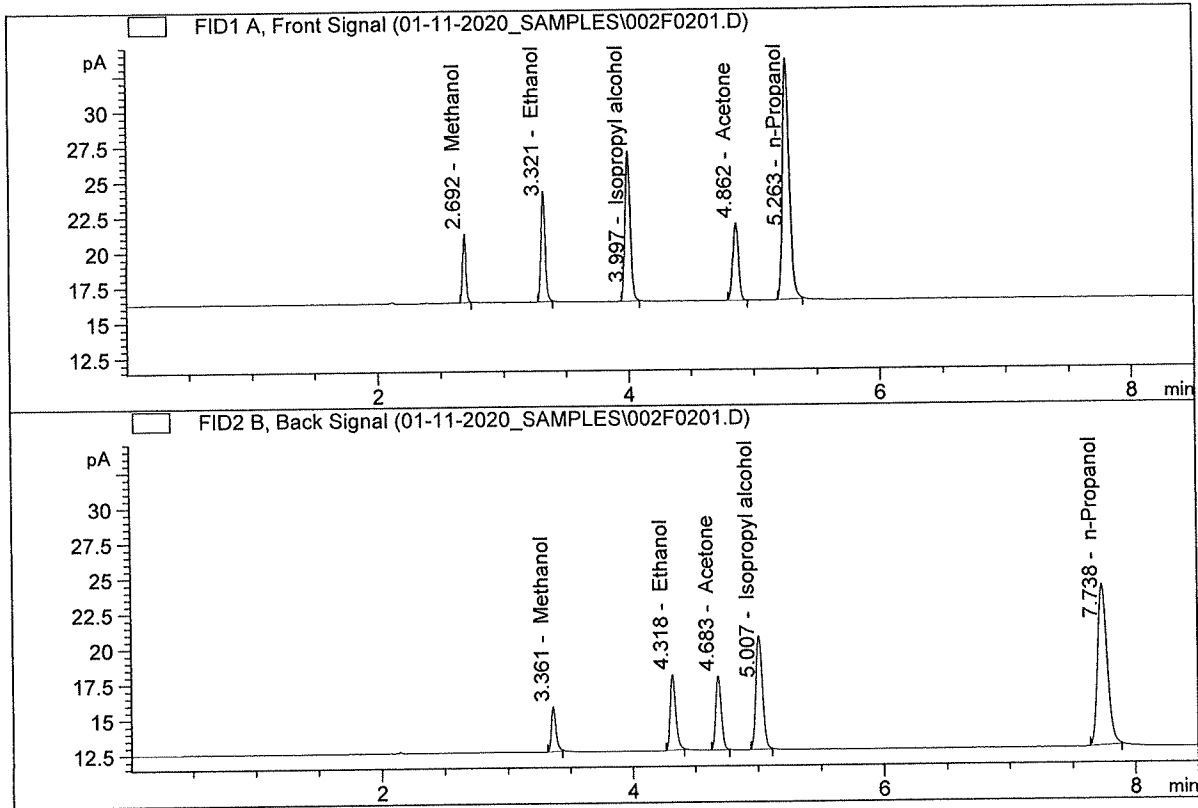Acq. Instrument: CN10742043-IT00741010
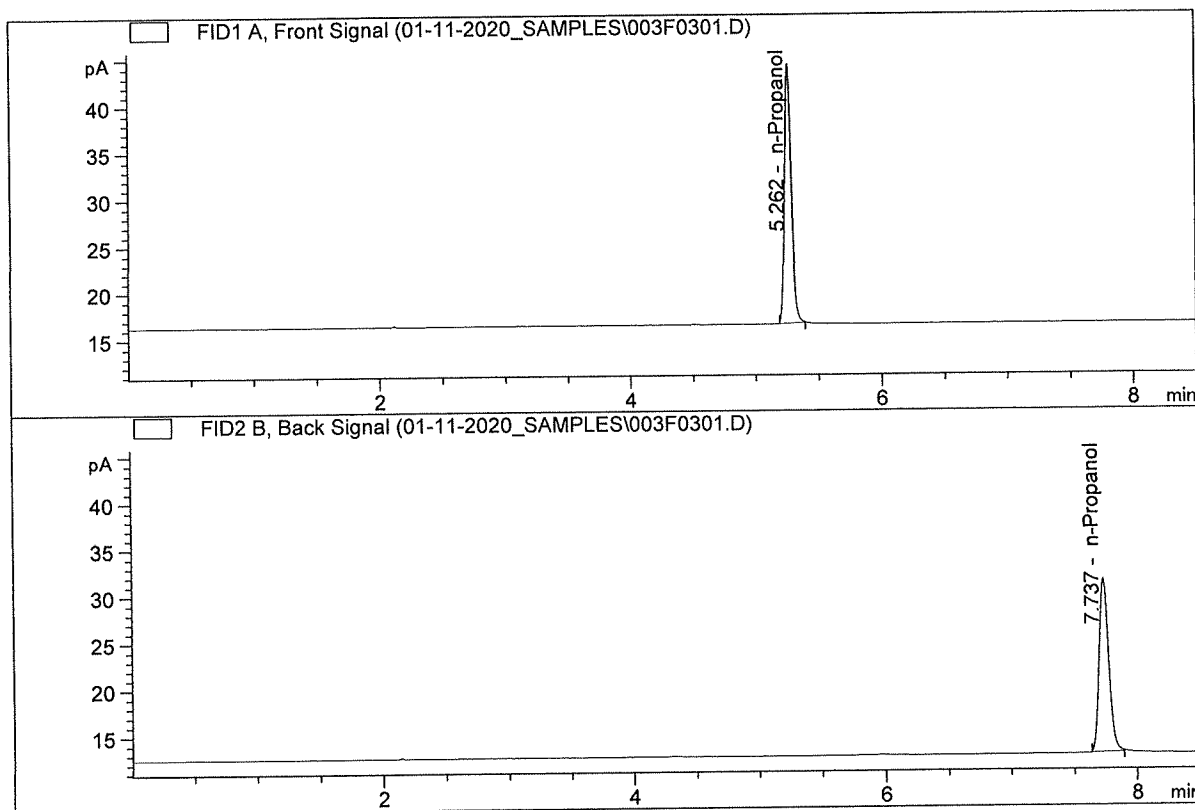
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	102.07973	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.46725	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1   **Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0797	0.0740	0.0057	0.0768	0.0005	0.0770
(g/100cc)	0.0800	0.0746	0.0054	0.0773		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

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

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC1-1-A
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010
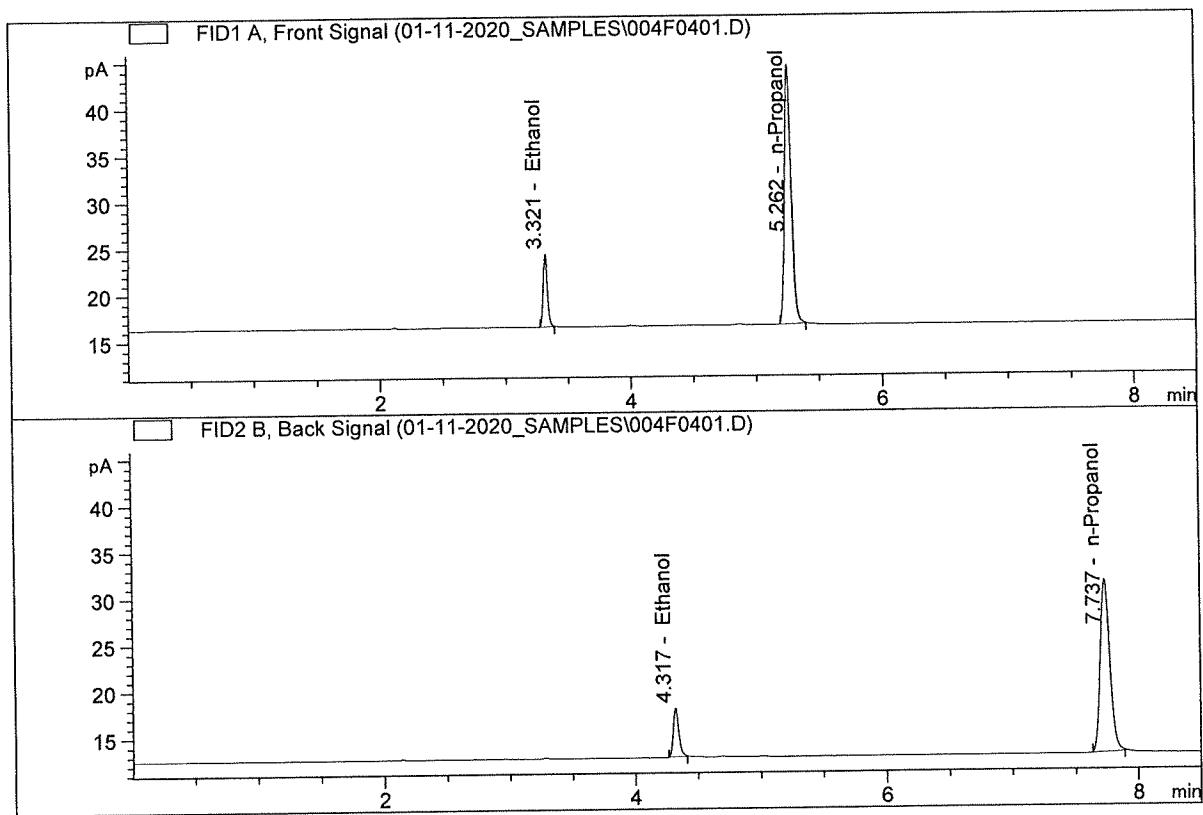
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.00646	0.0797	g/100cc
2.	Ethanol	Column 2:	16.03253	0.0740	g/100cc
3.	n-Propanol	Column 1:	102.56791	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.10485	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-1-B
Laboratory       :   Pocatello
Injection Date   :   Jan 11, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```


FID1 A, Front Signal (01-11-2020_SAMPLES\005F0501.D)

3.320 - Ethanol
5.262 - n-Propanol

FID2 B, Back Signal (01-11-2020_SAMPLES\005F0501.D)

4.317 - Ethanol
7.736 - n-Propanol

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	19.34929	0.0800	g/100cc
2.	Ethanol	Column 2:	17.21504	0.0746	g/100cc
3.	n-Propanol	Column 1:	109.84618	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.56767	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 QA   **Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0808	0.0747	0.0061	0.0777	0.0000	0.0777
(g/100cc)	0.0807	0.0748	0.0059	0.0777		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

	Reported Result	
	0.077	

Calibration and control data are stored centrally.

$\mathcal{RC}$

Revision: 2

Issue Date: 12/23/2019

ISP Forensic Services Blood Alcohol Report

Sample Name   :   08 QA-A
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
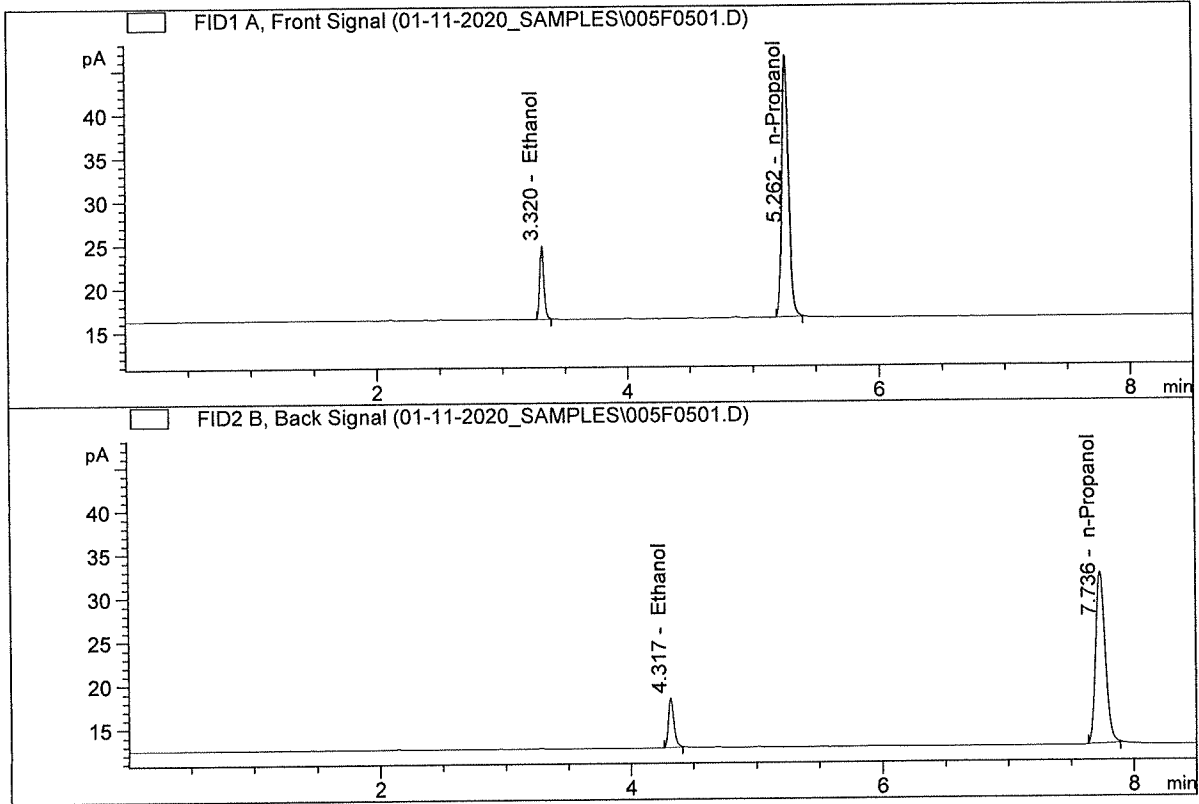Acq. Instrument: CN10742043-IT00741010
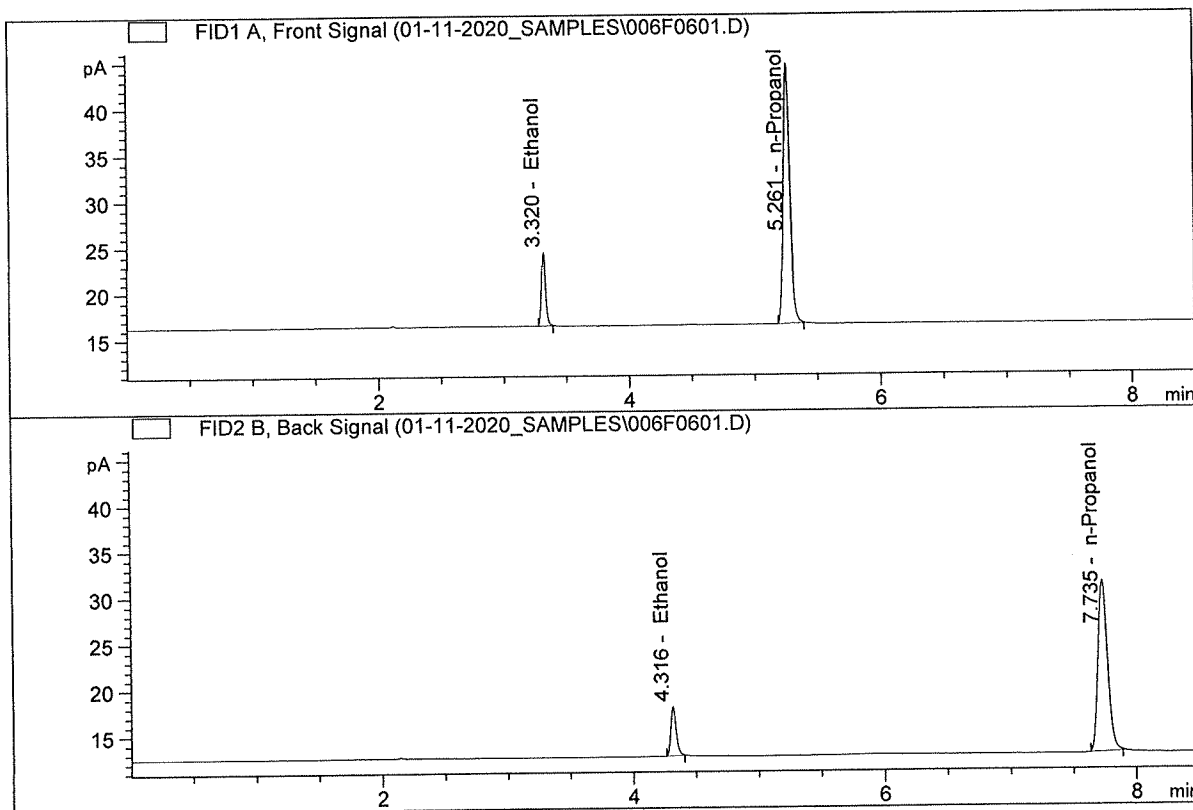
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.36182	0.0808	g/100cc
2.	Ethanol	Column 2:	16.19227	0.0747	g/100cc
3.	n-Propanol	Column 1:	103.20673	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.22001	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    08 QA-B
Laboratory       :    Pocatello
Injection Date   :    Jan 11, 2020
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742043-IT00741010
```
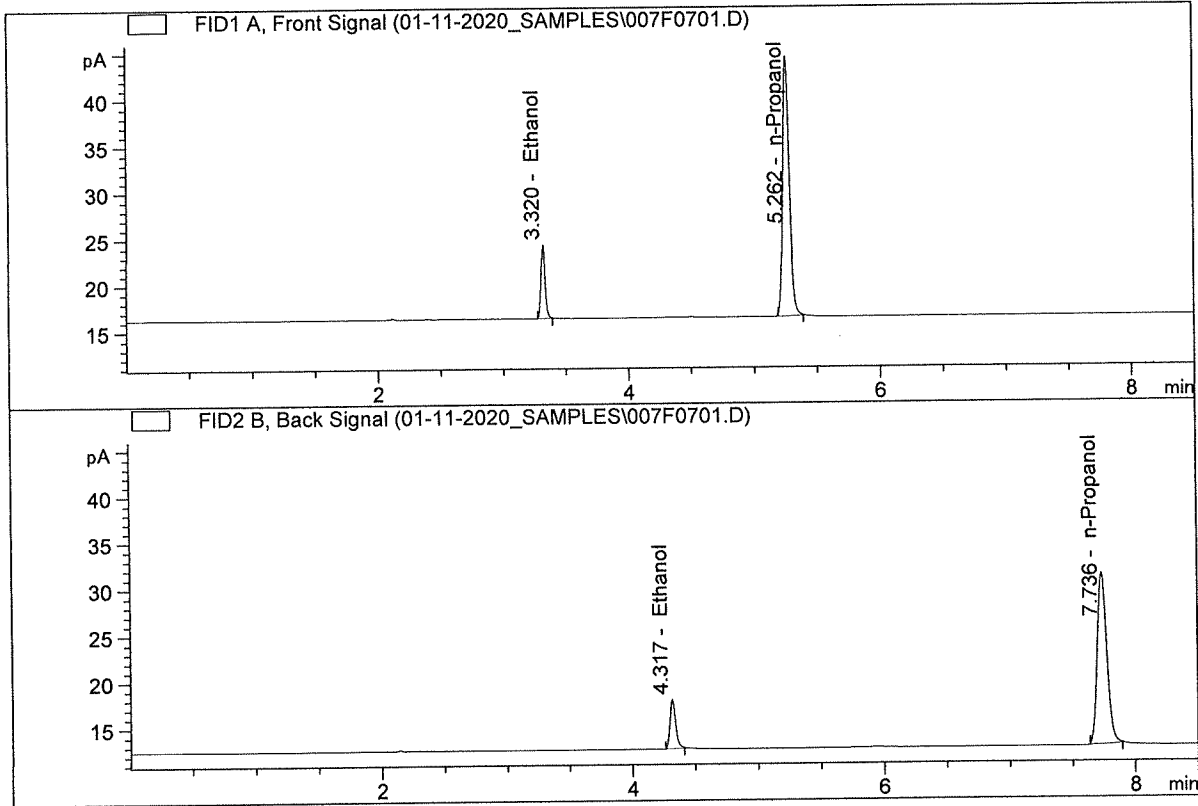

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.26965	0.0807	g/100cc
2.	Ethanol	Column 2:	16.17130	0.0748	g/100cc
3.	n-Propanol	Column 1:	102.81805	1.0000	g/100cc
4.	n-Propanol	Column 2:	97.90562	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1   **Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2011	0.1940	0.0071	0.1975	0.0023	0.1986
(g/100cc)	0.2033	0.1963	0.0070	0.1998		

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
0.198	0.188	0.208	0.010

	Reported Result	
	0.198	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-A
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

FID1 A, Front Signal (01-11-2020_SAMPLES\026F2601.D)

FID2 B, Back Signal (01-11-2020_SAMPLES\026F2601.D)
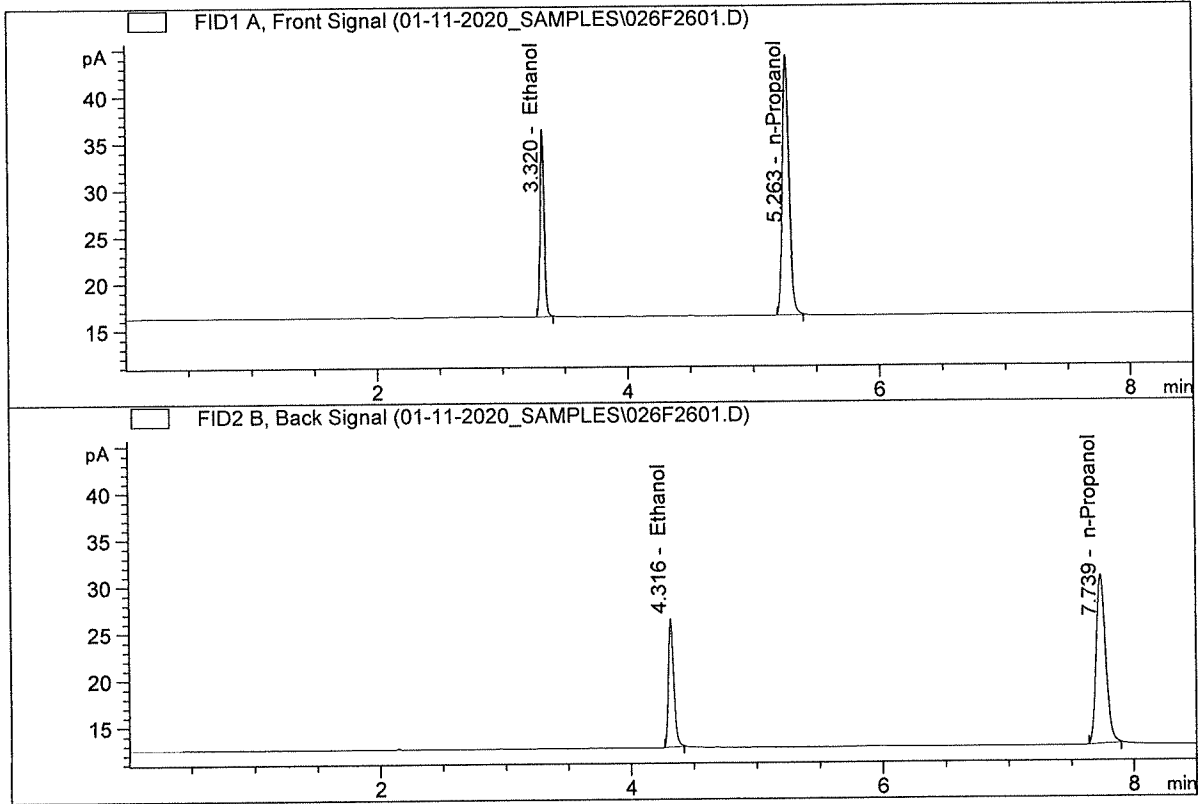
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.99831	0.2011	g/100cc
2.	Ethanol	Column 2:	41.05887	0.1940	g/100cc
3.	n-Propanol	Column 1:	101.59847	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.87408	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name   :   QC2-1-B
Laboratory   :   Pocatello
Injection Date   :   Jan 11, 2020
Method   :   ALCOHOL.M
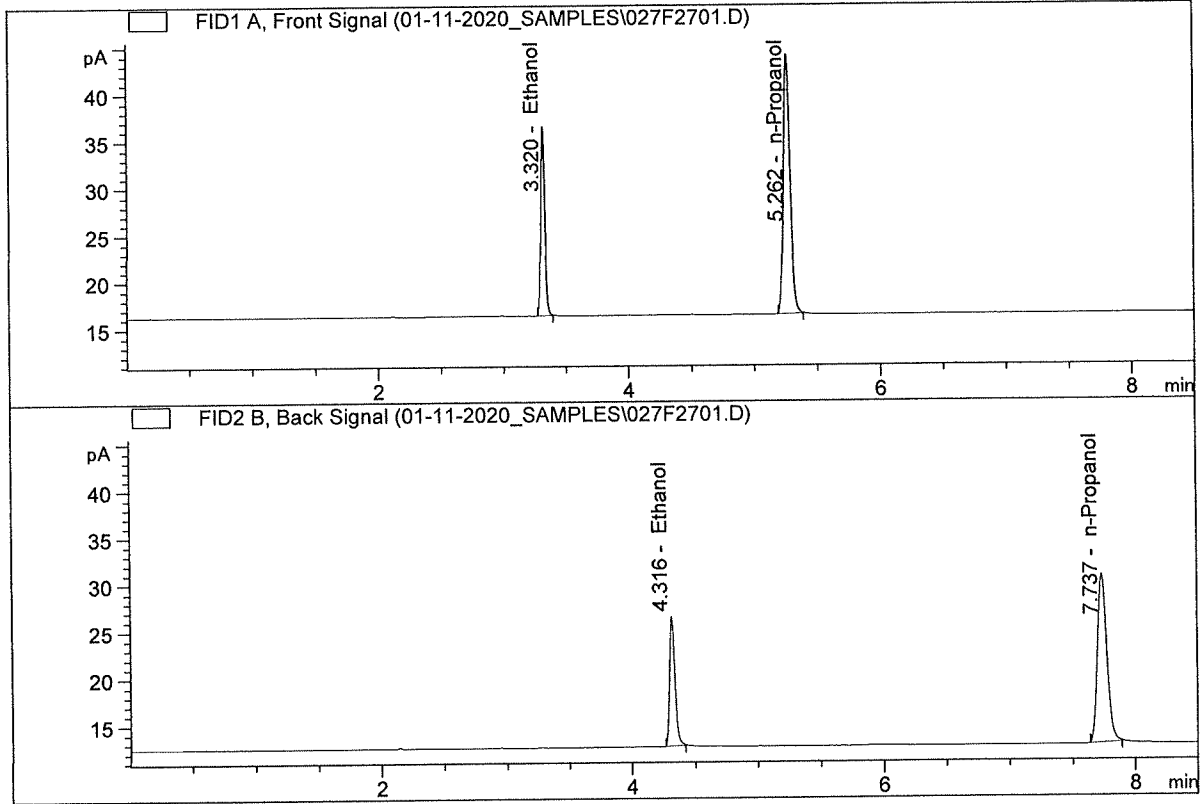Acq. Instrument: CN10742043-IT00741010

FID1 A, Front Signal (01-11-2020_SAMPLES\027F2701.D)

FID2 B, Back Signal (01-11-2020_SAMPLES\027F2701.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.19287	0.2033	g/100cc
2.	Ethanol	Column 2:	41.33070	0.1963	g/100cc
3.	n-Propanol	Column 1:	100.92968	1.0000	g/100cc
4.	n-Propanol	Column 2:	95.39310	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2   **Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0826	0.0771	0.0055	0.0798		
(g/100cc)	0.0818	0.0760	0.0058	0.0789	0.0009	0.0793

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information   *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

Revision: 2

Issue Date: 12/23/2019

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC1-2-A
Laboratory       :    Pocatello
Injection Date   :    Jan 11, 2020
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742043-IT00741010
```


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.97479	0.0826	g/100cc
2.	Ethanol	Column 2:	14.12684	0.0771	g/100cc
3.	n-Propanol	Column 1:	87.80401	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.02546	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-2-B
Laboratory       :   Pocatello
Injection Date   :   Jan 11, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.78864	0.0818	g/100cc
2.	Ethanol	Column 2:	14.73839	0.0760	g/100cc
3.	n-Propanol	Column 1:	93.15202	1.0000	g/100cc
4.	n-Propanol	Column 2:	87.87150	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2　　　　　　　　　**Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2071	0.2004	0.0067	0.2037	0.0011	0.2032
(g/100cc)	0.2058	0.1995	0.0063	0.2026		

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
0.203	0.192	0.214	0.011

	Reported Result	
	0.203	

Calibration and control data are stored centrally.

Revision: 2
Issue Date: 12/23/2019

ISP Forensic Services Blood Alcohol Report

```
Sample Name     :   QC2-2-A
Laboratory      :   Pocatello
Injection Date  :   Jan 11, 2020
Method          :   ALCOHOL.M
Acq. Instrument:    CN10742043-IT00741010
```
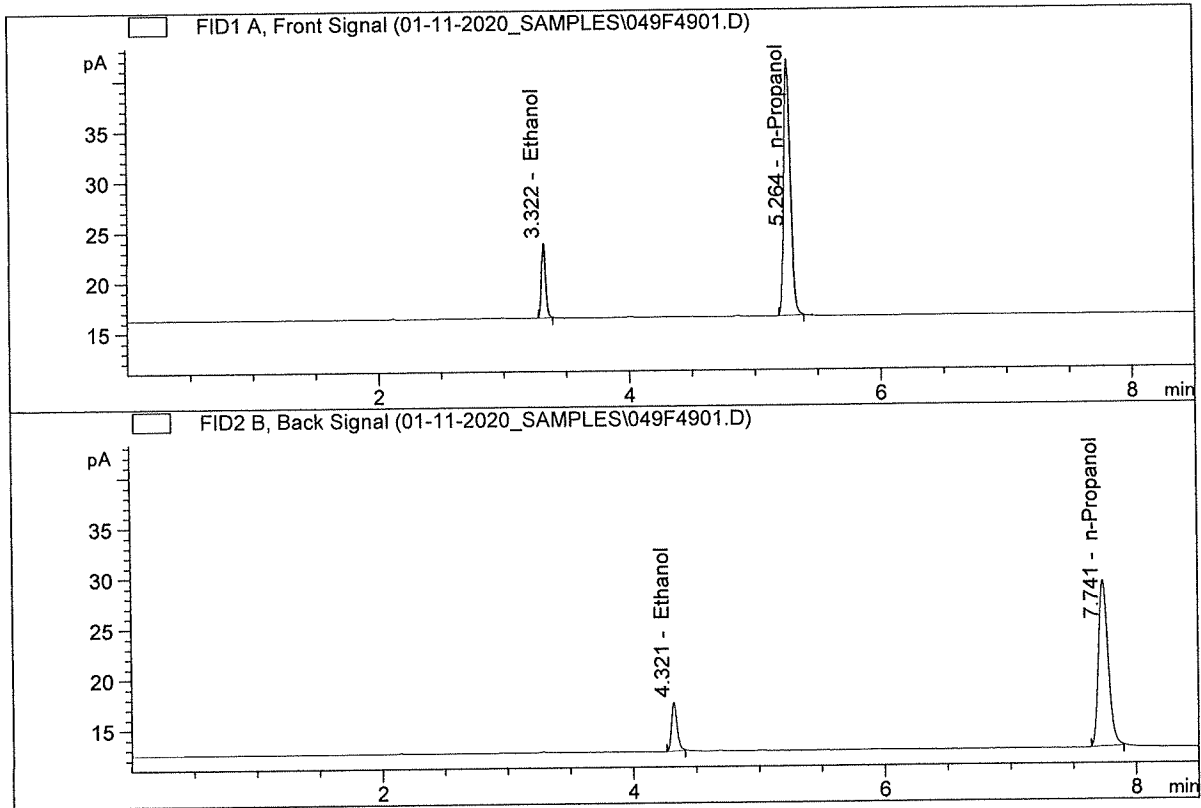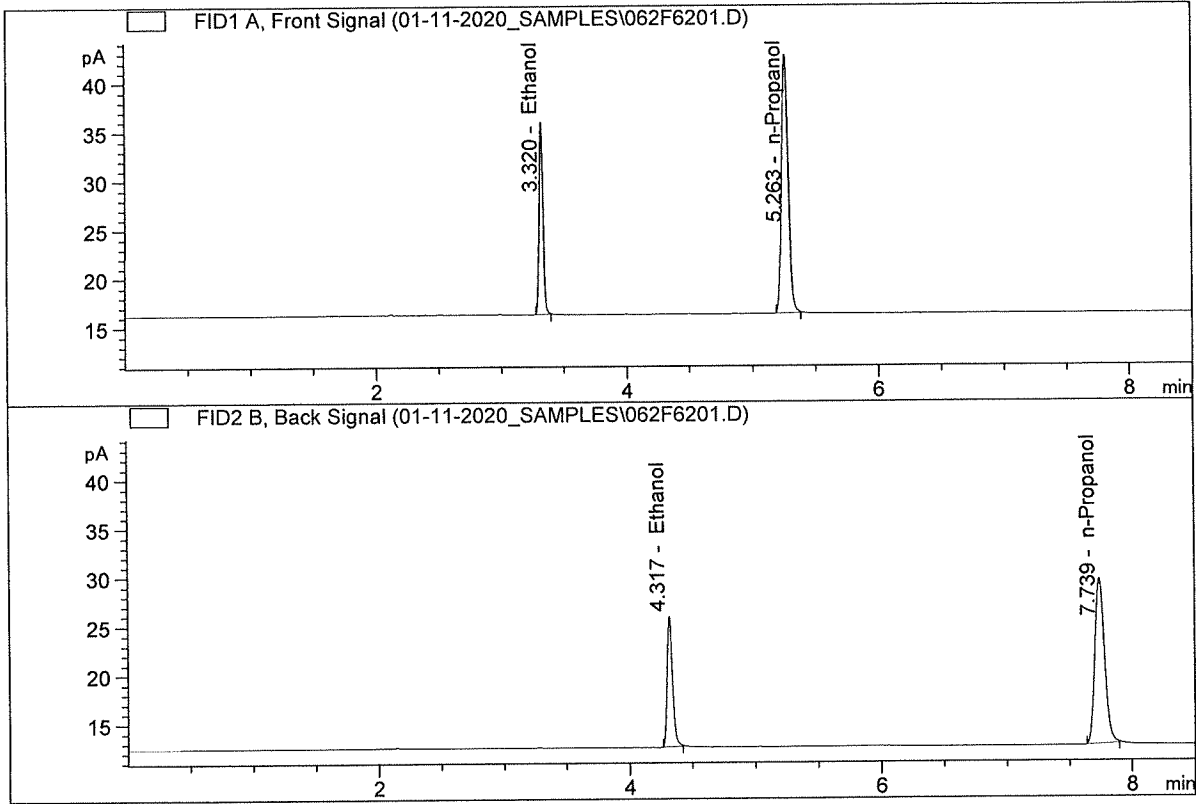

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.84760	0.2071	g/100cc
2.	Ethanol	Column 2:	39.85564	0.2004	g/100cc
3.	n-Propanol	Column 1:	96.13213	1.0000	g/100cc
4.	n-Propanol	Column 2:	90.10869	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    QC2-2-B
Laboratory       :    Pocatello
Injection Date   :    Jan 11, 2020
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742043-IT00741010
```
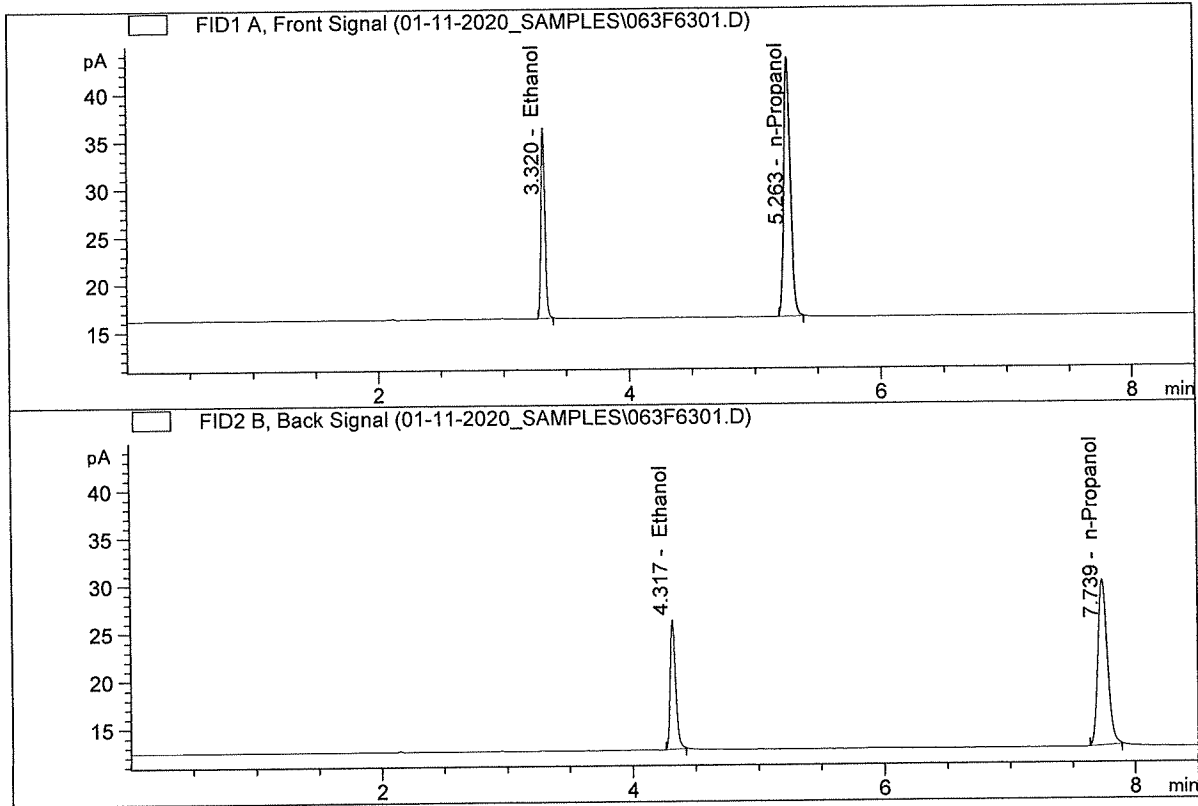

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.73474	0.2058	g/100cc
2.	Ethanol	Column 2:	40.70701	0.1995	g/100cc
3.	n-Propanol	Column 1:	98.67989	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.43861	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-3 **Analysis Date(s): 11 Jan 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0781	0.0055	0.0808		
(g/100cc)	0.0833	0.0778	0.0055	0.0805	0.0003	0.0807

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
0.080	0.076	0.084	0.004

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

JC

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-3-A
Laboratory       :   Pocatello
Injection Date   :   Jan 11, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```


FID1 A, Front Signal (01-11-2020_SAMPLES\066F6601.D)

FID2 B, Back Signal (01-11-2020_SAMPLES\066F6601.D)

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.70285	0.0836	g/100cc
2.	Ethanol	Column 2:	13.82802	0.0781	g/100cc
3.	n-Propanol	Column 1:	85.23320	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.25541	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   QC1-3-B
Laboratory       :   Pocatello
Injection Date   :   Jan 11, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.73713	0.0833	g/100cc
2.	Ethanol	Column 2:	13.82570	0.0778	g/100cc
3.	n-Propanol	Column 1:	85.74618	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.55462	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   INT STD 3
Laboratory       :   Pocatello
Injection Date :     Jan 12, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```
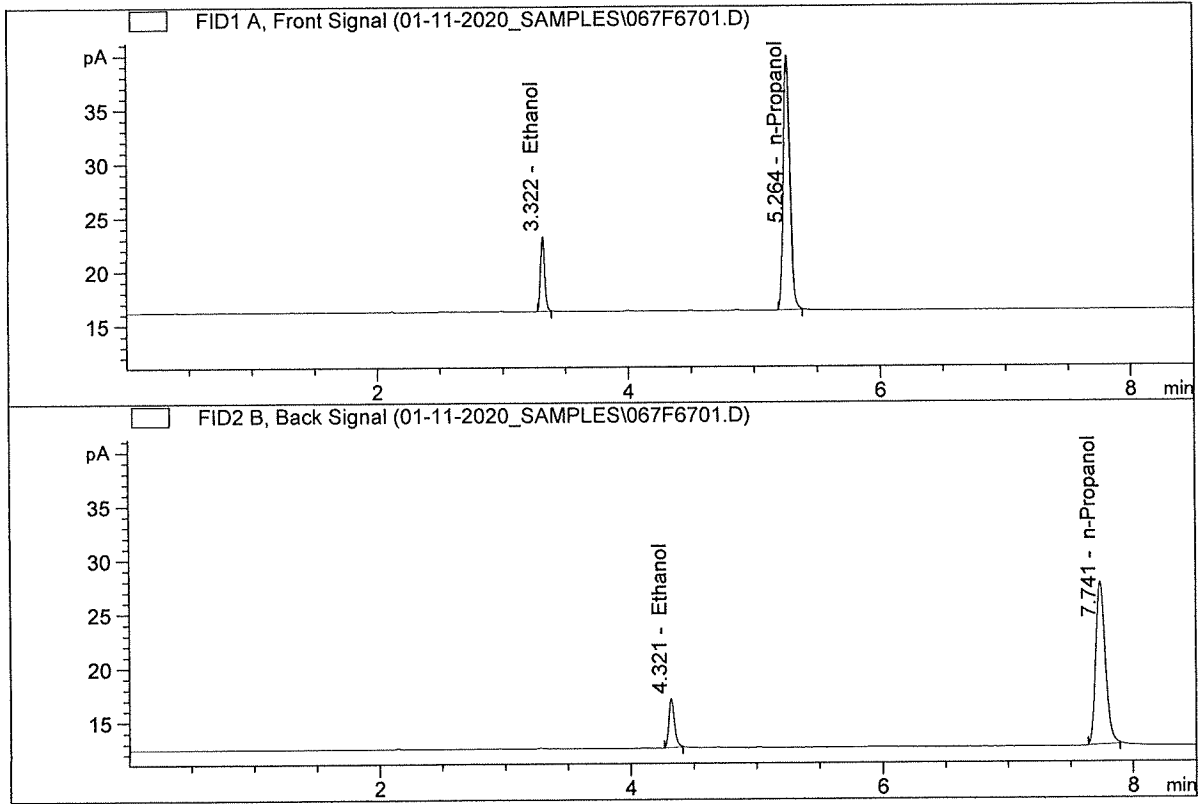

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	88.05254	1.0000	g/100cc
4.	n-Propanol	Column 2:	82.91763	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :   TFE
Laboratory       :   Pocatello
Injection Date   :   Jan 12, 2020
Method           :   ALCOHOL.M
Acq. Instrument:     CN10742043-IT00741010
```
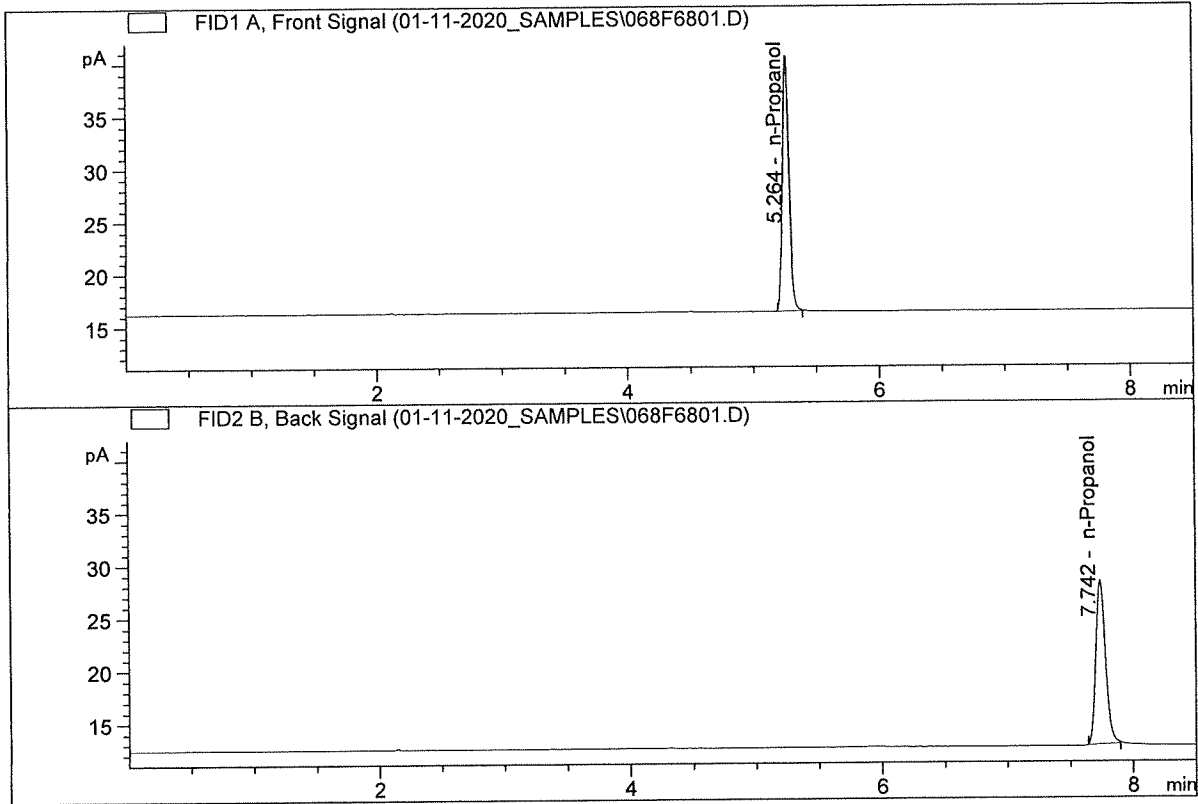

#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

```
Sample Name      :    DFE
Laboratory       :    Pocatello
Injection Date   :    Jan 12, 2020
Method           :    ALCOHOL.M
Acq. Instrument:      CN10742043-IT00741010
```
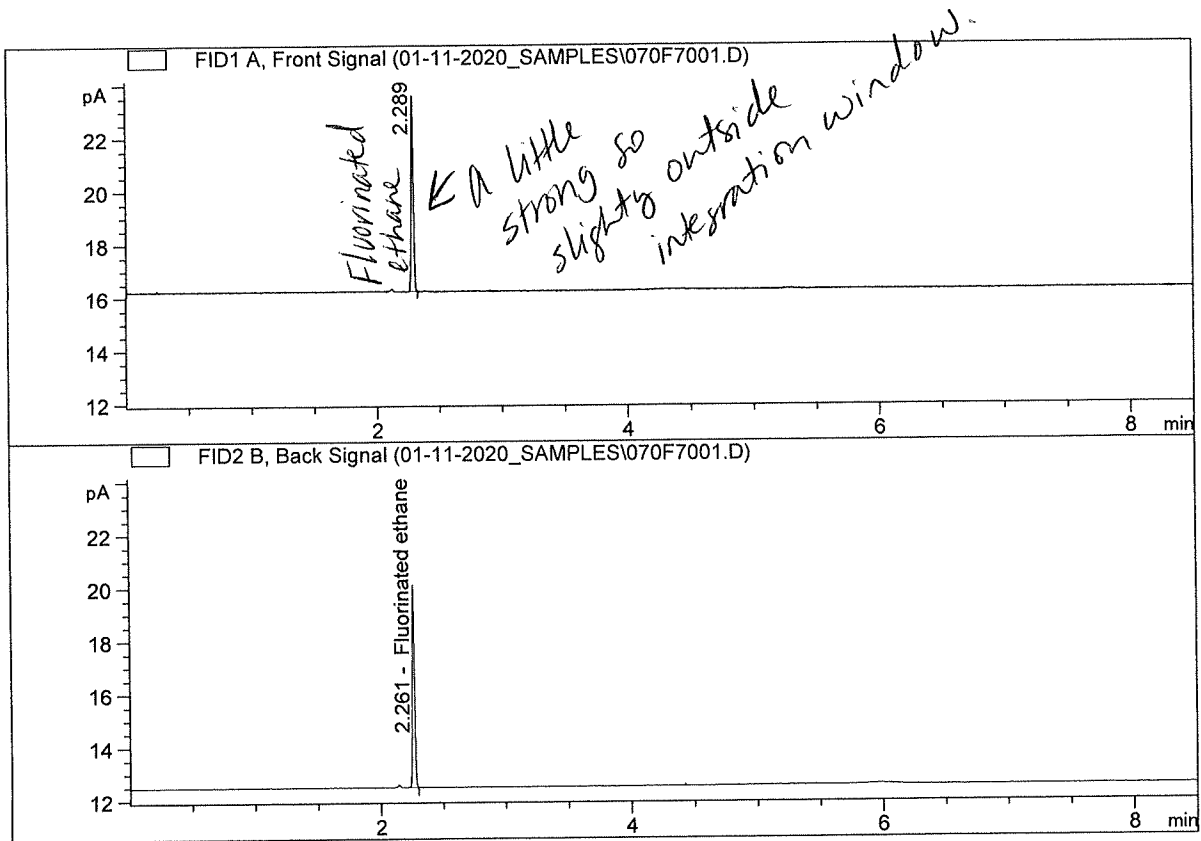
FID1 A, Front Signal (01-11-2020_SAMPLES\069F6901.D)

weak but integrated OK. (handwritten note)

FID2 B, Back Signal (01-11-2020_SAMPLES\069F6901.D)
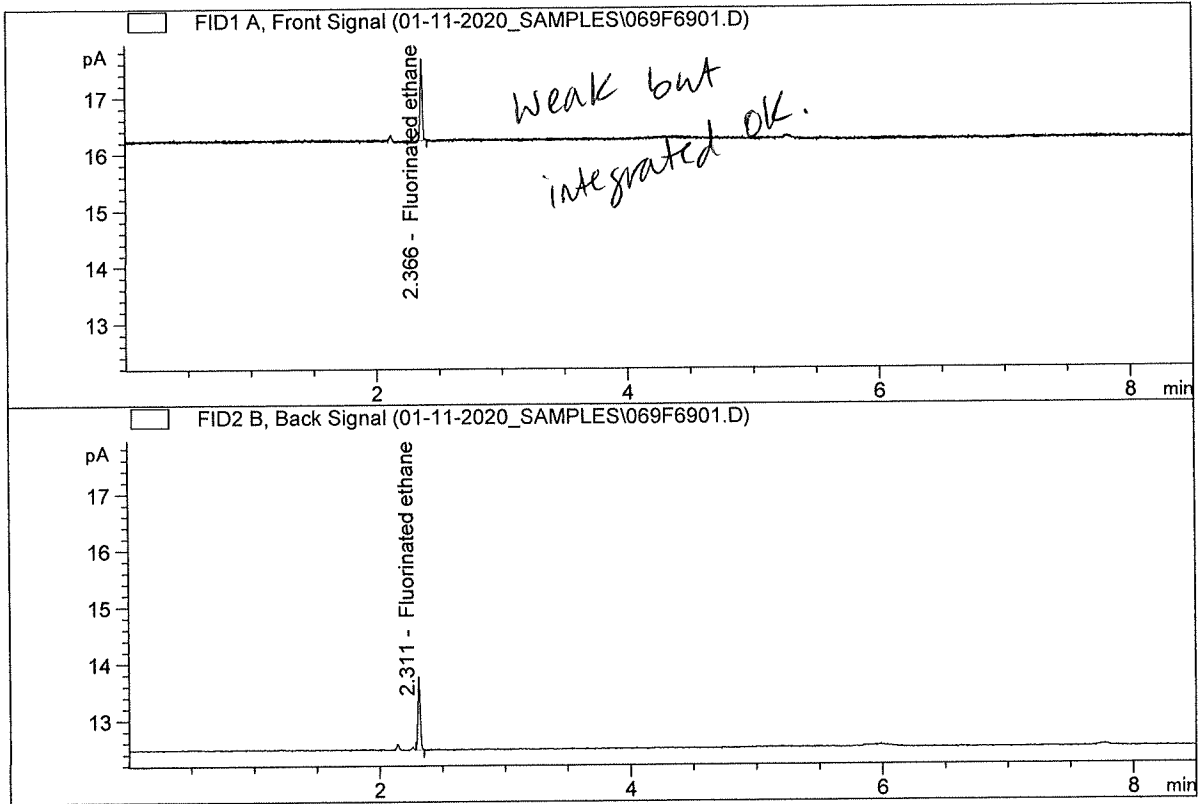
#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_11.01.2020_11.41.46\01-11-2020_SAMPLES.S
Data directory path: C:\Chem32\1\Data\01-11-2020_SAMPLES
Logbook: C:\Chem32\1\Data\01-11-2020_SAMPLES\01-11-2020_SAMPLES.LOG
Sequence start: 1/11/2020 11:55:46 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	INT STD 1	–	1.0000	001F0101.D		2
2	2	1	MULTI-COMP MIX	–	1.0000	002F0201.D		10
3	3	1	INT STD 2	–	1.0000	003F0301.D		2
4	4	1	QC1-1-A	–	1.0000	004F0401.D		4
5	5	1	QC1-1-B	–	1.0000	005F0501.D		4
6	6	1	08 QA-A	–	1.0000	006F0601.D		4
7	7	1	08 QA-B	–	1.0000	007F0701.D		4
8	8	1	P2019-3293-1-A	–	1.0000	008F0801.D		6
9	9	1	P2019-3293-1-B	–	1.0000	009F0901.D		6
10	10	1	P2019-3426-1-A	–	1.0000	010F1001.D		6
11	11	1	P2019-3426-1-B	–	1.0000	011F1101.D		6
12	12	1	P2019-3427-1-A	–	1.0000	012F1201.D		6
13	13	1	P2019-3427-1-B	–	1.0000	013F1301.D		6
14	14	1	P2019-3434-1-A	–	1.0000	014F1401.D		4
15	15	1	P2019-3434-1-B	–	1.0000	015F1501.D		4
16	16	1	P2019-3439-1-A	–	1.0000	016F1601.D		6
17	17	1	P2019-3439-1-B	–	1.0000	017F1701.D		6
18	18	1	P2019-3445-1-A	–	1.0000	018F1801.D		6
19	19	1	P2019-3445-1-B	–	1.0000	019F1901.D		6
20	20	1	P2019-3446-1-A	–	1.0000	020F2001.D		6
21	21	1	P2019-3446-1-B	–	1.0000	021F2101.D		6
22	22	1	P2019-3456-1-A	–	1.0000	022F2201.D		6
23	23	1	P2019-3456-1-B	–	1.0000	023F2301.D		6
24	24	1	P2019-3461-1-A	–	1.0000	024F2401.D		6
25	25	1	P2019-3461-1-B	–	1.0000	025F2501.D		6
26	26	1	QC2-1-A	–	1.0000	026F2601.D		4
27	27	1	QC2-1-B	–	1.0000	027F2701.D		4
28	28	1	P2019-3510-2-A	–	1.0000	028F2801.D		4
29	29	1	P2019-3510-2-B	–	1.0000	029F2901.D		4
30	30	1	P2019-3698-1-A	–	1.0000	030F3001.D		4
31	31	1	P2019-3698-1-B	–	1.0000	031F3101.D		4
32	32	1	P2019-3717-1-A	–	1.0000	032F3201.D		6
33	33	1	P2019-3717-1-B	–	1.0000	033F3301.D		6
34	34	1	P2019-3839-2-A	–	1.0000	034F3401.D		6
35	35	1	P2019-3839-2-B	–	1.0000	035F3501.D		6
36	36	1	P2019-3847-1-A	–	1.0000	036F3601.D		4
37	37	1	P2019-3847-1-B	–	1.0000	037F3701.D		4
38	38	1	P2019-3848-1-A	–	1.0000	038F3801.D		6
39	39	1	P2019-3848-1-B	–	1.0000	039F3901.D		4
40	40	1	P2019-3849-1-A	–	1.0000	040F4001.D		6
41	41	1	P2019-3849-1-B	–	1.0000	041F4101.D		6
42	42	1	P2019-3850-1-A	–	1.0000	042F4201.D		4
43	43	1	P2019-3850-1-B	–	1.0000	043F4301.D		5
44	44	1	P2019-3868-1-A	–	1.0000	044F4401.D		6
45	45	1	P2019-3868-1-B	–	1.0000	045F4501.D		6
46	46	1	P2019-3873-1-A	–	1.0000	046F4601.D		4

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	P2019-3873-1-B	–	1.0000	047F4701.D		4
48	48	1	QC1-2-A	–	1.0000	048F4801.D		4
49	49	1	QC1-2-B	–	1.0000	049F4901.D		4
50	50	1	P2019-3875-1-A	–	1.0000	050F5001.D		4
51	51	1	P2019-3875-1-B	–	1.0000	051F5101.D		4
52	52	1	P2019-3876-1-A	–	1.0000	052F5201.D		4
53	53	1	P2019-3876-1-B	–	1.0000	053F5301.D		4
54	54	1	P2019-3879-1-A	–	1.0000	054F5401.D		6
55	55	1	P2019-3879-1-B	–	1.0000	055F5501.D		6
56	56	1	P2019-3880-1-A	–	1.0000	056F5601.D		6
57	57	1	P2019-3880-1-B	–	1.0000	057F5701.D		6
58	58	1	P2019-3886-1-A	–	1.0000	058F5801.D		4
59	59	1	P2019-3886-1-B	–	1.0000	059F5901.D		4
60	60	1	P2019-3887-1-A	–	1.0000	060F6001.D		4
61	61	1	P2019-3887-1-B	–	1.0000	061F6101.D		4
62	62	1	QC2-2-A	–	1.0000	062F6201.D		4
63	63	1	QC2-2-B	–	1.0000	063F6301.D		4
64	64	1	P2019-3892-1-A	–	1.0000	064F6401.D		4
65	65	1	P2019-3892-1-B	–	1.0000	065F6501.D		4
66	66	1	QC1-3-A	–	1.0000	066F6601.D		4
67	67	1	QC1-3-B	–	1.0000	067F6701.D		4
68	68	1	INT STD 3	–	1.0000	068F6801.D		2
69	69	1	DFE	–	1.0000	069F6901.D		2
70	70	1	TFE	–	1.0000	070F7001.D		1