3/10/2020

Worklist: 4079

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
P2020-0668	1	BCK	Alcohol Analysis	
P2020-0678	1	BCK	Alcohol Analysis	
P2020-0680	1	BCK	Alcohol Analysis	
P2020-0683	1	BCK	Alcohol Analysis	
P2020-0688	1	BCK	Alcohol Analysis	
P2020-0689	1	BCK	Alcohol Analysis	
P2020-0692 *	1	BCK	Alcohol Analysis	*Sample will be re-analyzed at a later time. RC 3/12/20
P2020-0693	1	BCK	Alcohol Analysis	
P2020-0728	1	BCK	Alcohol Analysis	
P2020-0734	1	BCK	Alcohol Analysis	
P2020-0740	1	BCK	Alcohol Analysis	
P2020-0740	2	BCK	Alcohol Analysis	
P2020-0752	1	BCK	Alcohol Analysis	
P2020-0769	1	BCK	Alcohol Analysis	
P2020-0770	1	BCK	Alcohol Analysis	
P2020-0793	1	BCK	Alcohol Analysis	
P2020-0806	1	BCK	Alcohol Analysis	
P2020-0807	1	BCK	Alcohol Analysis	
P2020-0809	1	BCK	Alcohol Analysis	
P2020-0817	1	BCK	Alcohol Analysis	
P2020-0826	1	BCK	Alcohol Analysis	

REVIEWED
By Jeremy Johnston at 3:34 pm, Mar 15, 2020

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): 03/10/2020-3/11/2020**

Calibration curve ran 3/10/20

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0806 g/100cc
					0.0819 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.2129 g/100cc
					0.2144 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701		ok
Curve Fit:	**Column 1**	0.99999	**Column2**	0.99983	

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0531	0.0483	0.0048	0.0507
100	0.100	0.090 - 0.110	0.0999	0.0934	0.0065	0.0966
200	0.200	0.180 - 0.220	0.1996	0.1934	0.0062	0.1965
300	0.300	0.270 - 0.330	0.2996	0.2970	0.0026	0.2983
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5001	0.5059	0.0058	0.503

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.081 g/100cc

Revision: 2

Issue Date: 12/23/2019

Issuing Authority: Quality Manager

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, March 10, 2020 1:08:10 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

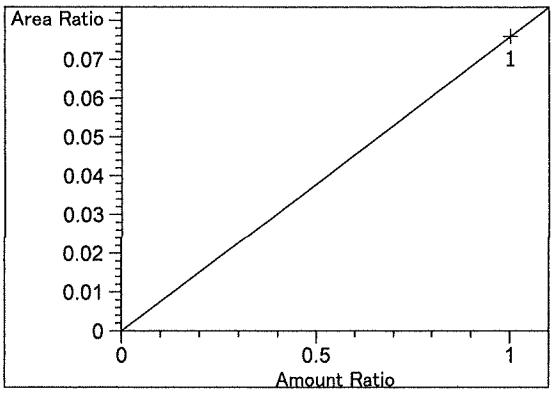
Overview Table

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
3.321	1	1	5.00000e-2	11.03346	4.53167e-3	No	No	1	Ethanol
		2	1.00000e-1	23.04004	4.34027e-3				
		3	2.00000e-1	45.82597	4.36434e-3				
		4	3.00000e-1	68.82703	4.35875e-3				
		5	5.00000e-1	114.64923	4.36113e-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
4.310	2	1	5.00000e-2	9.25457	5.40274e-3	No	No	2	Ethanol
		2	1.00000e-1	19.94043	5.01494e-3				
		3	2.00000e-1	40.92942	4.88646e-3				
		4	3.00000e-1	62.76397	4.77981e-3				
		5	5.00000e-1	106.05350	4.71460e-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
5.265	1	1	1.00000	92.87801	1.07668e-2	No	Yes	1	n-Propanol
		2	1.00000	103.04972	9.70405e-3				
		3	1.00000	102.57491	9.74897e-3				
		4	1.00000	102.63660	9.74311e-3				
		5	1.00000	102.44411	9.76142e-3				
		6	1.00000	111.45872	8.97193e-3				
7.728	2	1	1.00000	84.98203	1.17672e-2	No	Yes	2	n-Propanol
		2	1.00000	94.59727	1.05711e-2				
		3	1.00000	93.80811	1.06601e-2				
		4	1.00000	93.68411	1.06742e-2				
		5	1.00000	92.91919	1.07620e-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

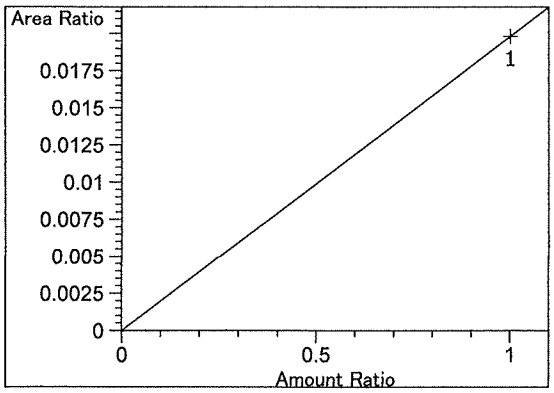
Peak Sum Table

No Entries in table

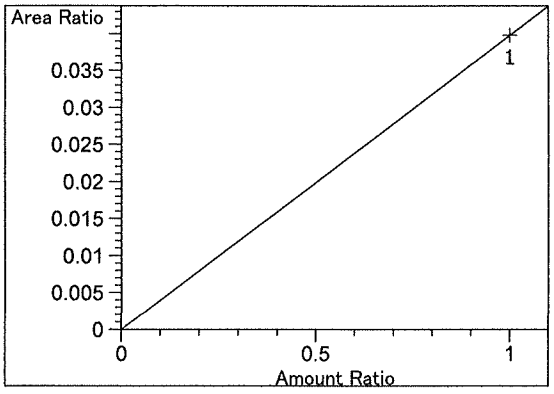
Calibration Curves



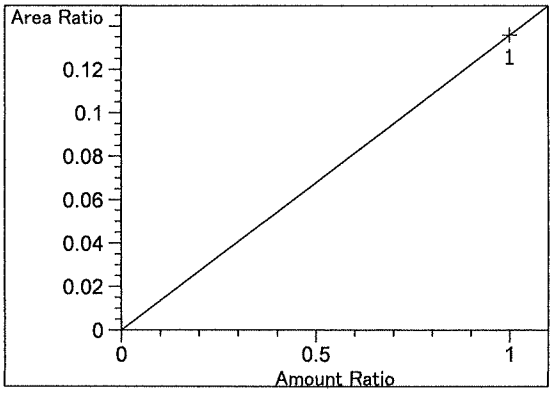
Fluorinated ethane at exp. RT: 2.311
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.59219e-2
x: Amount Ratio
y: Area Ratio



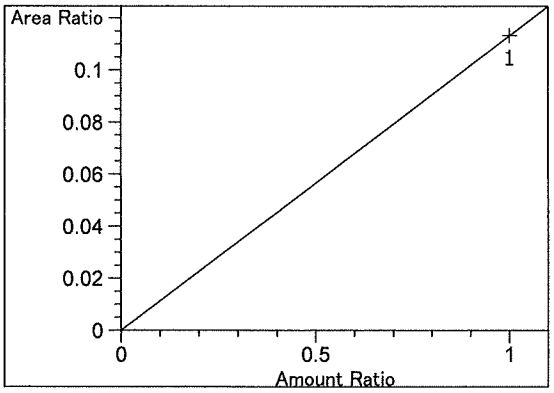
Fluorinated ethane at exp. RT: 2.365
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.98223e-2
x: Amount Ratio
y: Area Ratio



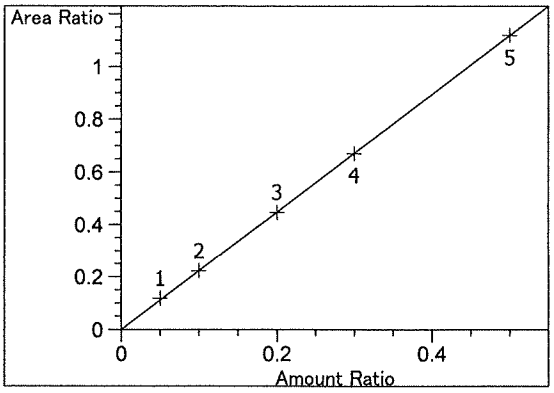
Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.98016e-2
x: Amount Ratio
y: Area Ratio



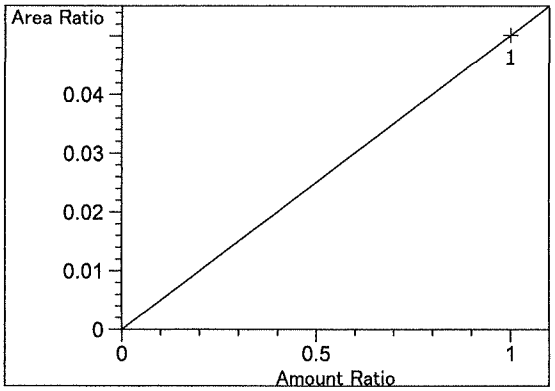
Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.35876e-1
x: Amount Ratio
y: Area Ratio



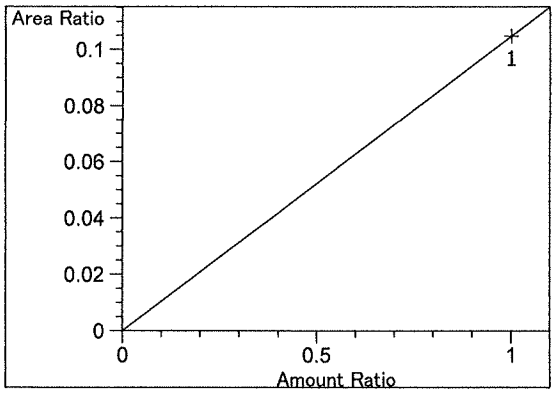
Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.13310e-1
x: Amount Ratio
y: Area Ratio



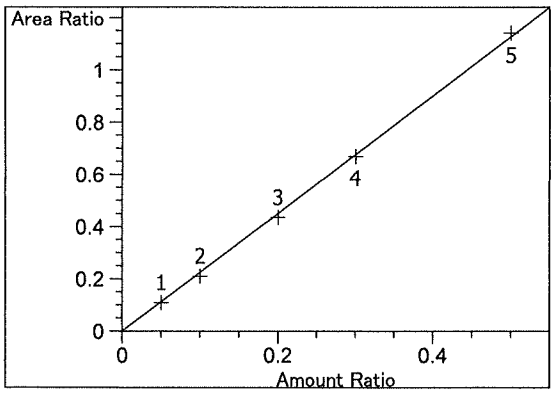
Ethanol at exp. RT: 3.321
FID1 A, Front Signal
Correlation: 0.99999 RC
Residual Std. Dev.: 0.00350
Formula: y = mx
m: 2.23795
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.01356e-2
x: Amount Ratio
y: Area Ratio

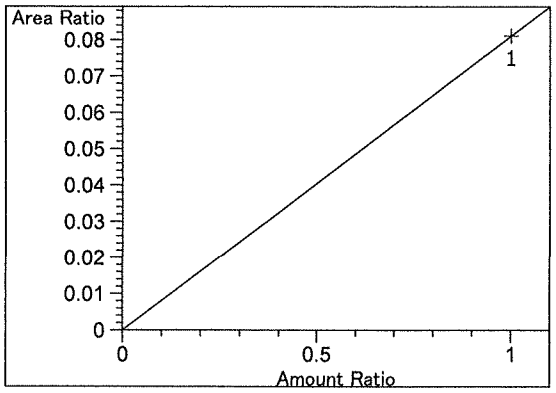


Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.04767e-1
x: Amount Ratio
y: Area Ratio

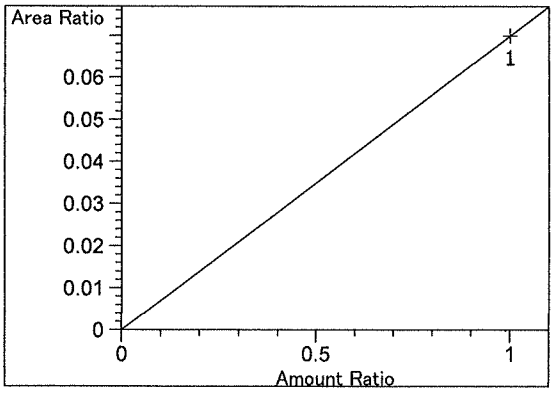


Ethanol at exp. RT: 4.310
FID2 B, Back Signal
Correlation: 0.99983 RC
Residual Std. Dev.: 0.01305
Formula: y = mx
m: 2.25592
x: Amount Ratio
y: Area Ratio

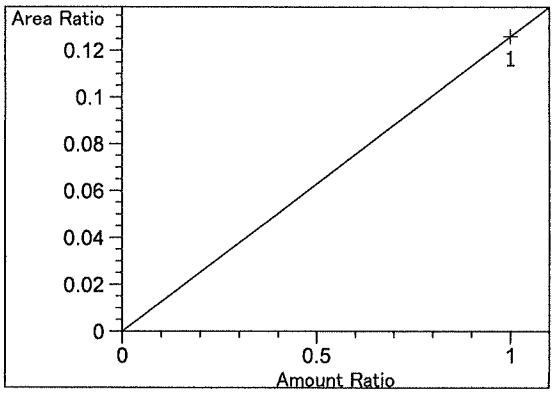
RC



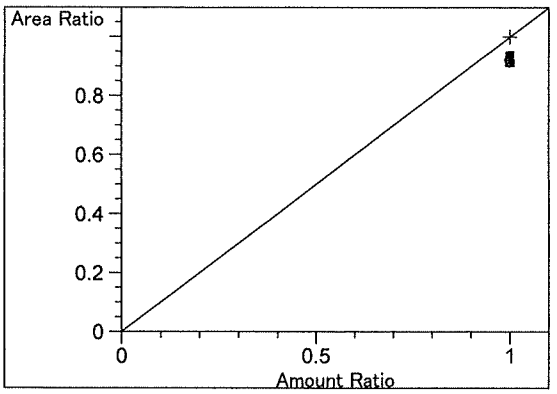
Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.11114e-2
x: Amount Ratio
y: Area Ratio



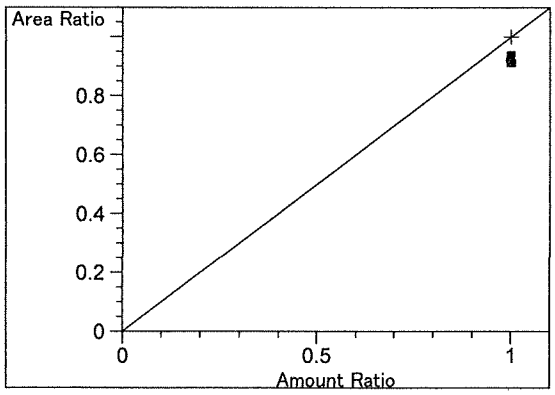
Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.99778e-2
x: Amount Ratio
y: Area Ratio



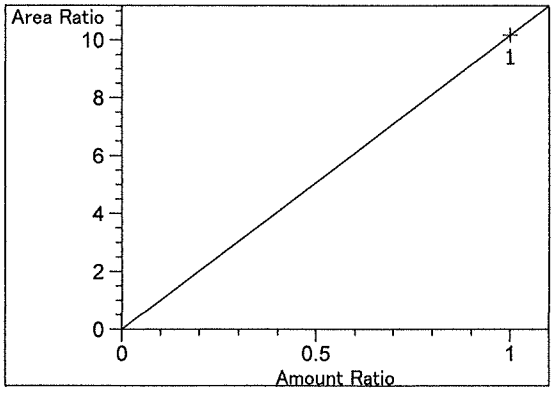
Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.25984e-1
x: Amount Ratio
y: Area Ratio



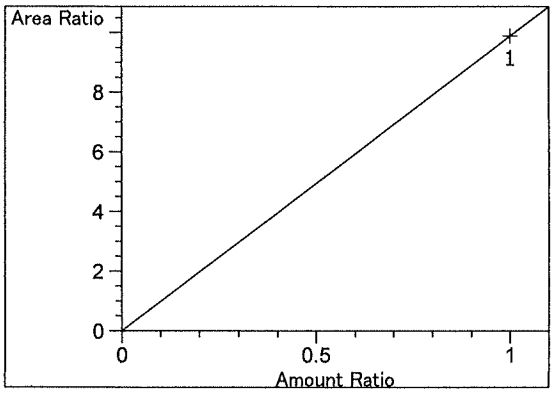
n-Propanol at exp. RT: 5.265
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 7.728
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: 10.17677
x: Amount Ratio
y: Area Ratio

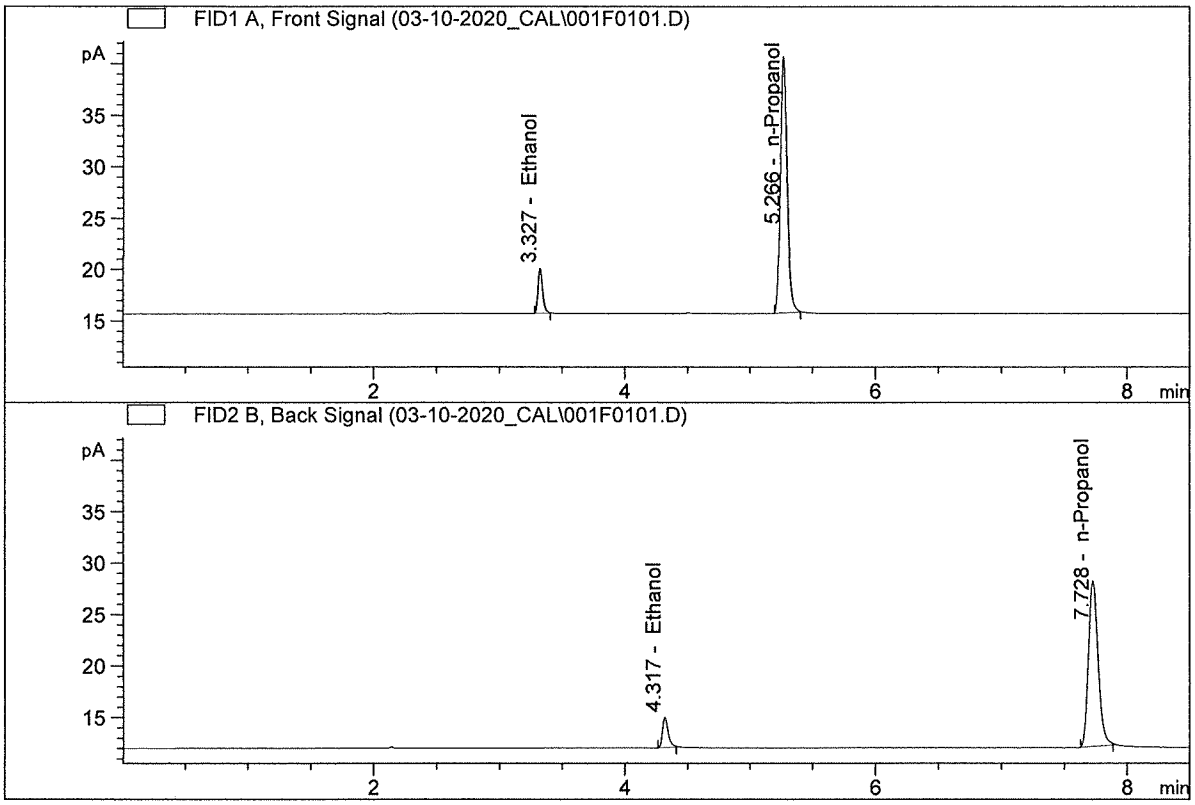


Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.88914
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

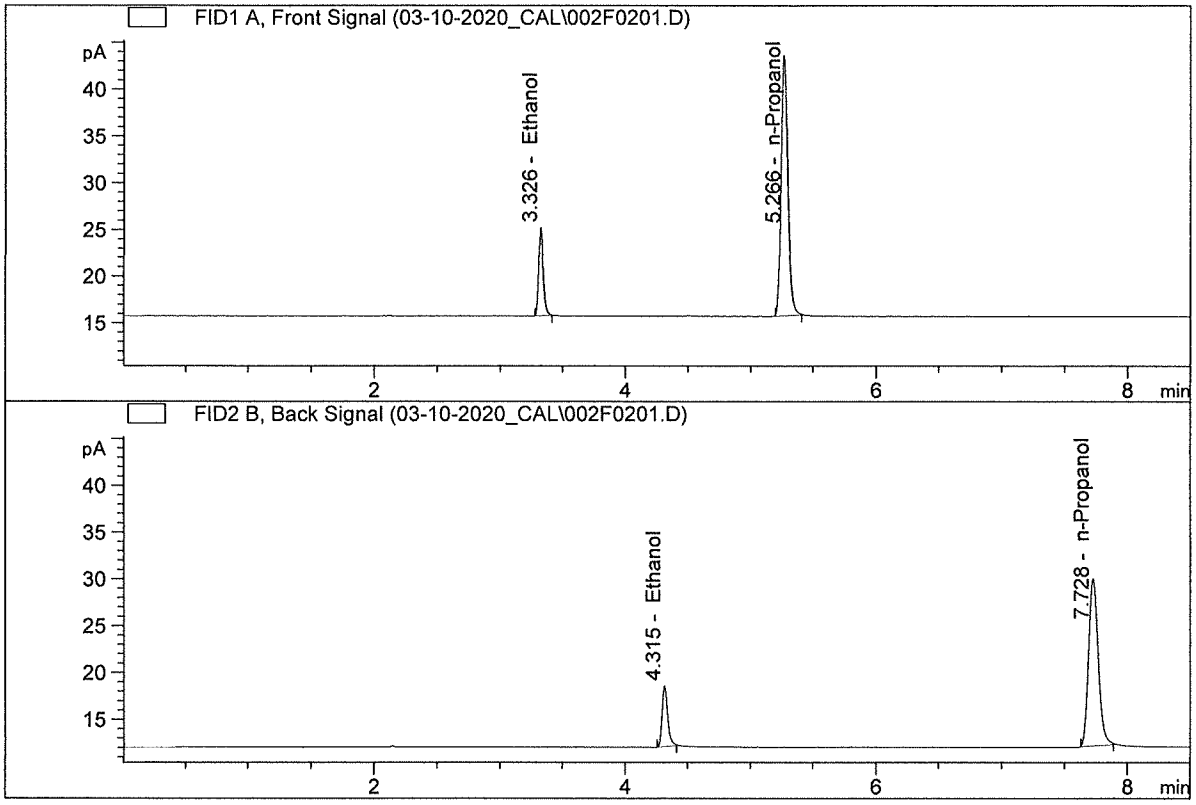
Sample Name : 0.050
Laboratory : Pocatello
Injection Date : Mar 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.03346	0.0531	g/100cc
2.	Ethanol	Column 2:	9.25457	0.0483	g/100cc
3.	n-Propanol	Column 1:	92.87801	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.98203	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

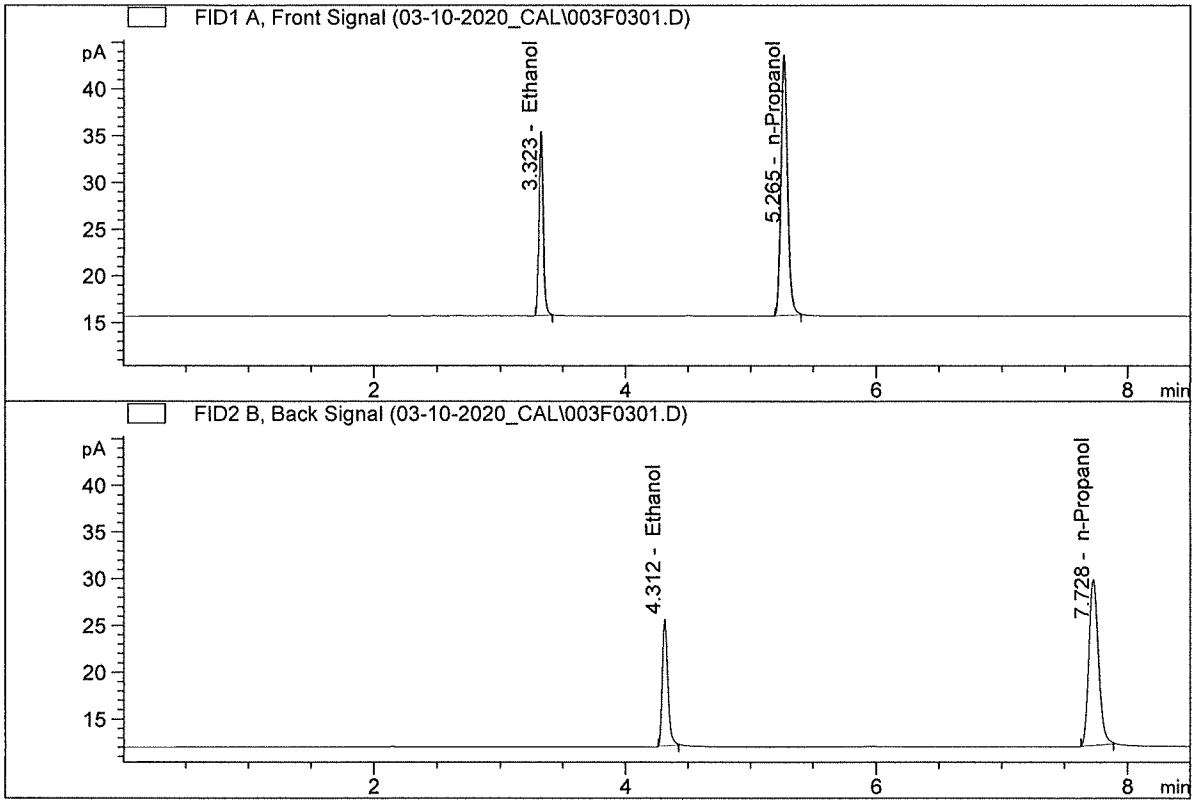
Sample Name : 0.100
Laboratory : Pocatello
Injection Date : Mar 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	23.04004	0.0999	g/100cc
2.	Ethanol	Column 2:	19.94043	0.0934	g/100cc
3.	n-Propanol	Column 1:	103.04972	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.59727	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

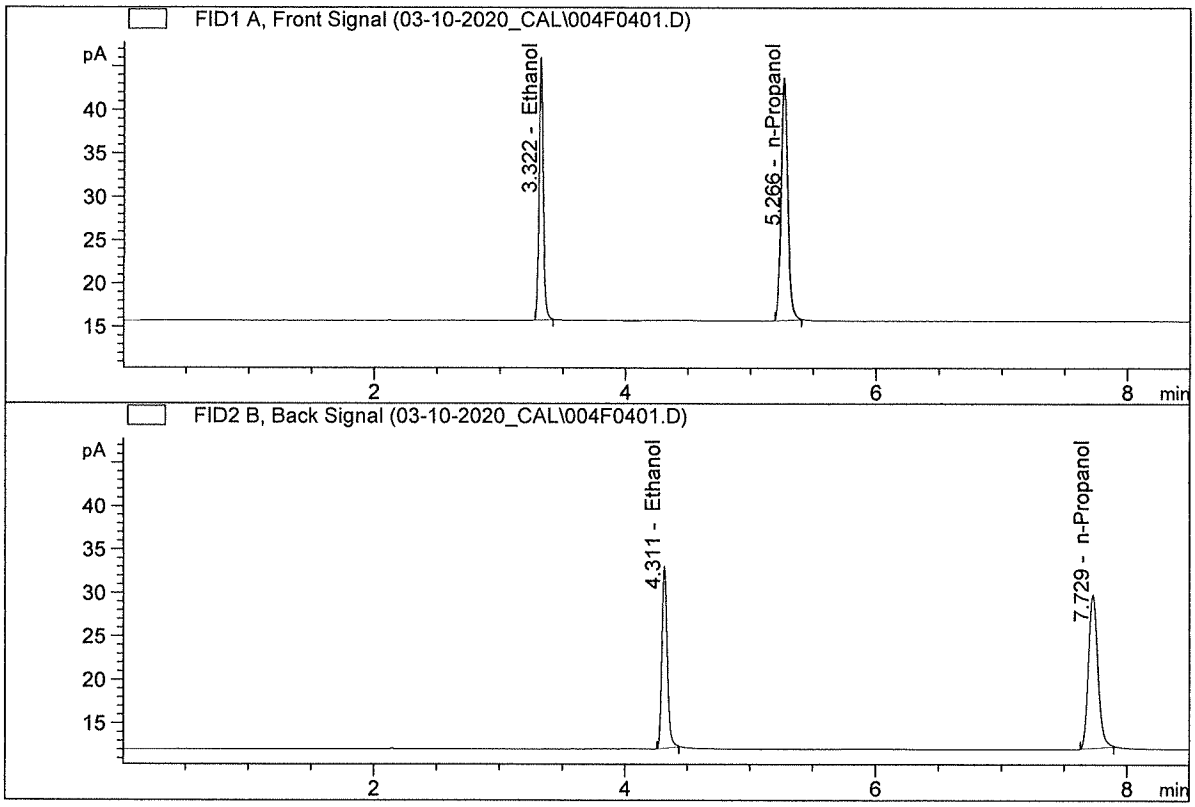
Sample Name : 0.200
Laboratory : Pocatello
Injection Date : Mar 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.82597	0.1996	g/100cc
2.	Ethanol	Column 2:	40.92942	0.1934	g/100cc
3.	n-Propanol	Column 1:	102.57491	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.80811	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

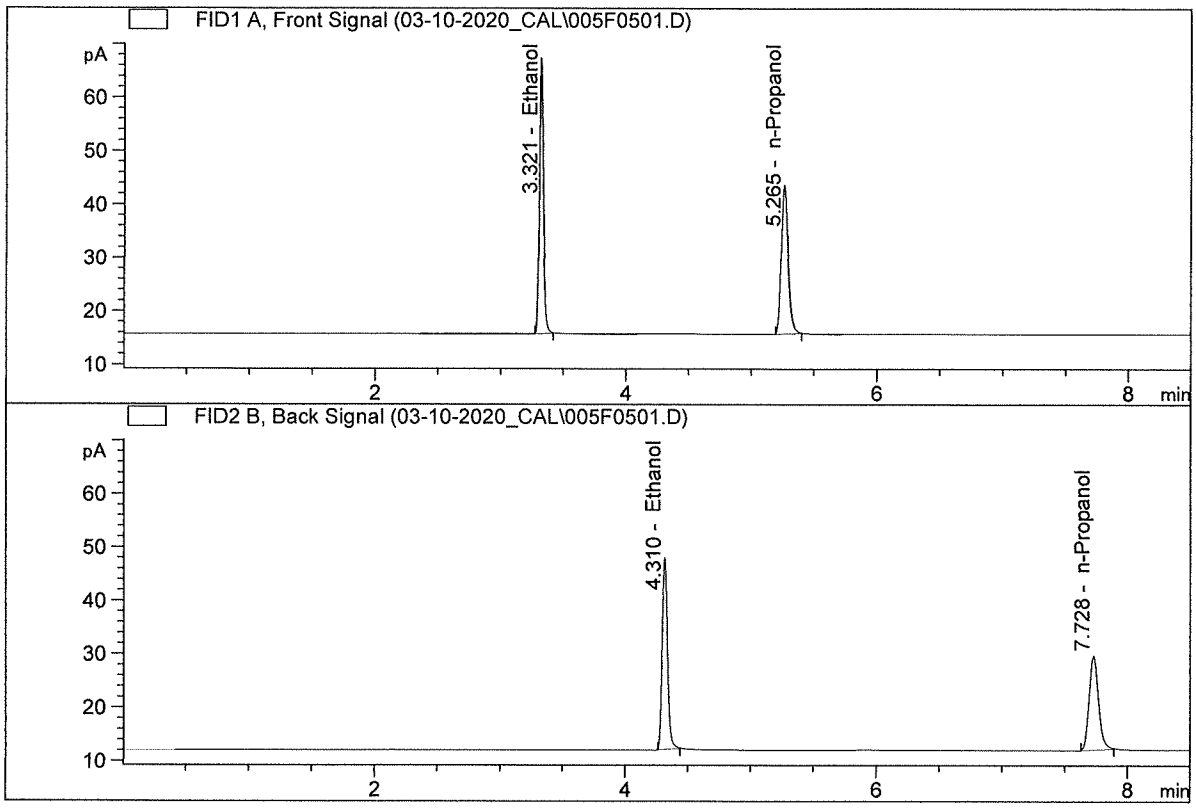
Sample Name : 0.300
Laboratory : Pocatello
Injection Date : Mar 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	68.82703	0.2996	g/100cc
2.	Ethanol	Column 2:	62.76397	0.2970	g/100cc
3.	n-Propanol	Column 1:	102.63660	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.68411	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

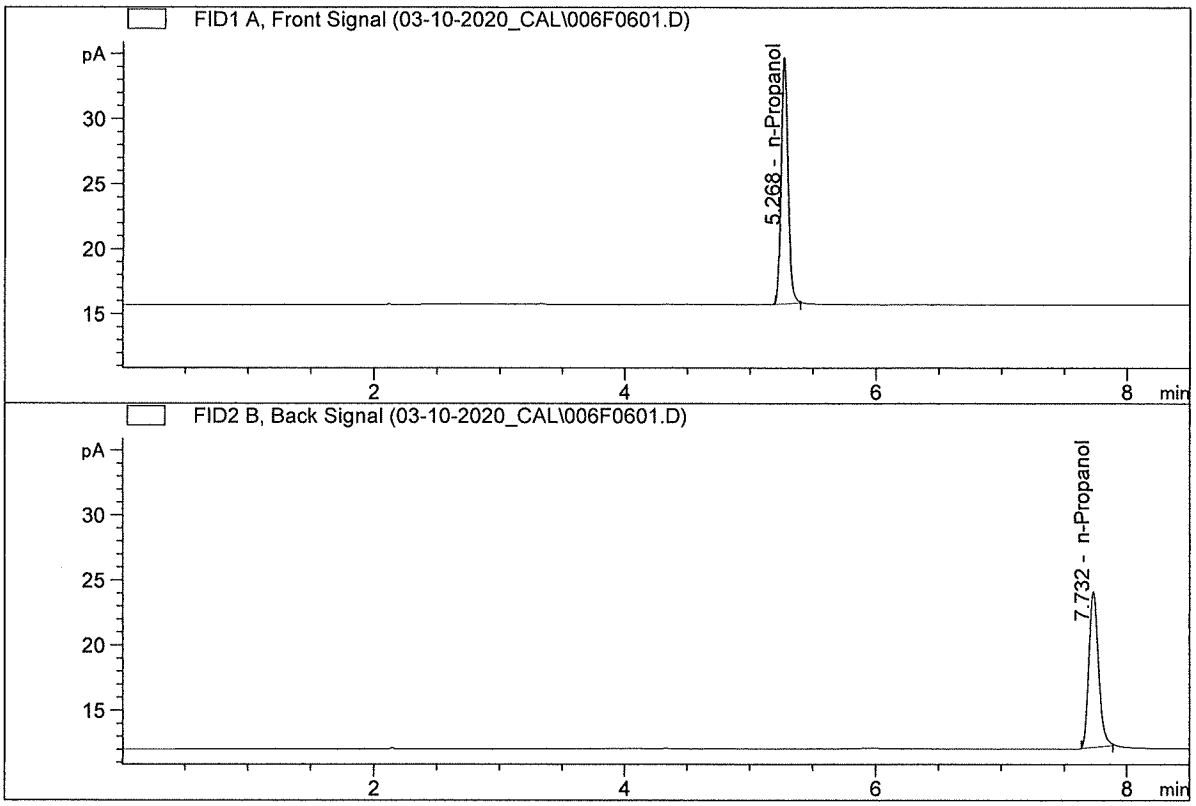
Sample Name : 0.500
Laboratory : Pocatello
Injection Date : Mar 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	114.64923	0.5001	g/100cc
2.	Ethanol	Column 2:	106.05350	0.5059	g/100cc
3.	n-Propanol	Column 1:	102.44411	1.0000	g/100cc
4.	n-Propanol	Column 2:	92.91919	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD
Laboratory : Pocatello
Injection Date : Mar 10, 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:	70.42471	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.78439	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_10.03.2020_11.50.25\MASTERCAL.S

Sample Summary

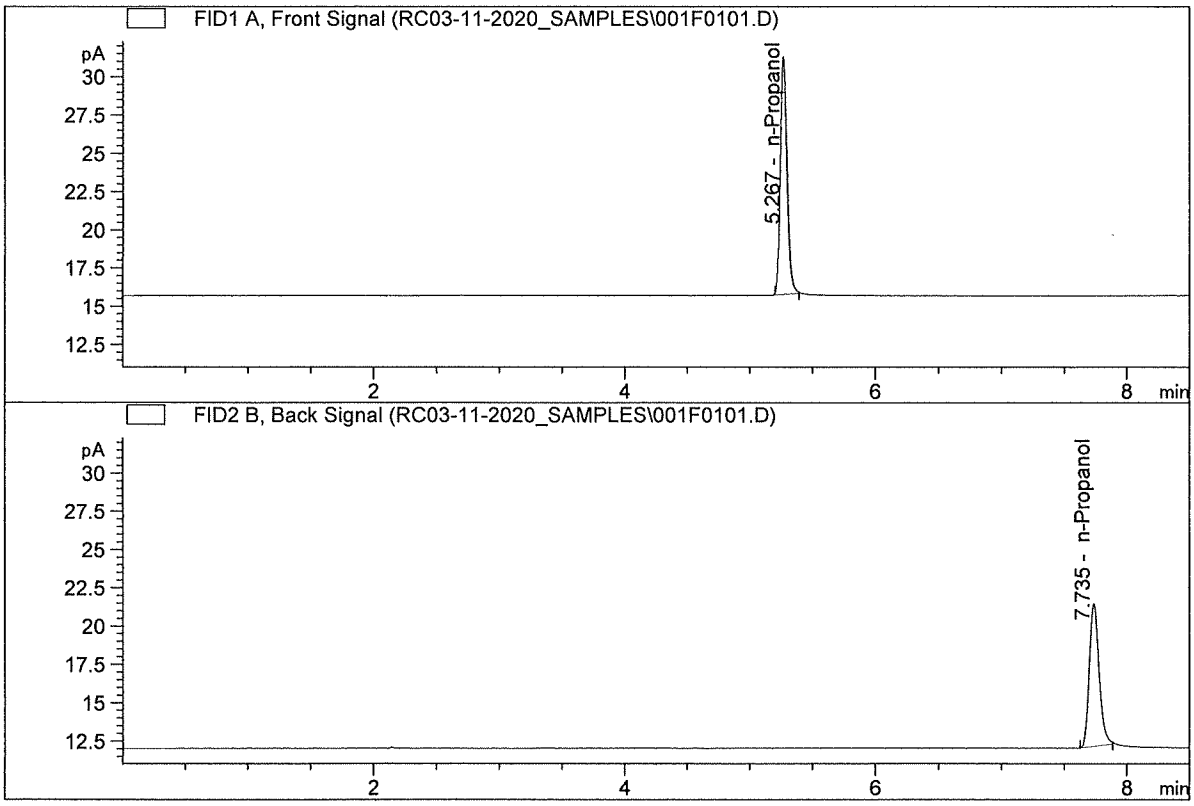
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_10.03.2020_11.50.25\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\03-10-2020_CAL
Logbook: C:\Chem32\1\Data\03-10-2020_CAL\MASTERCAL.LOG
Sequence start: 3/10/2020 12:04:13 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	0.050	-	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

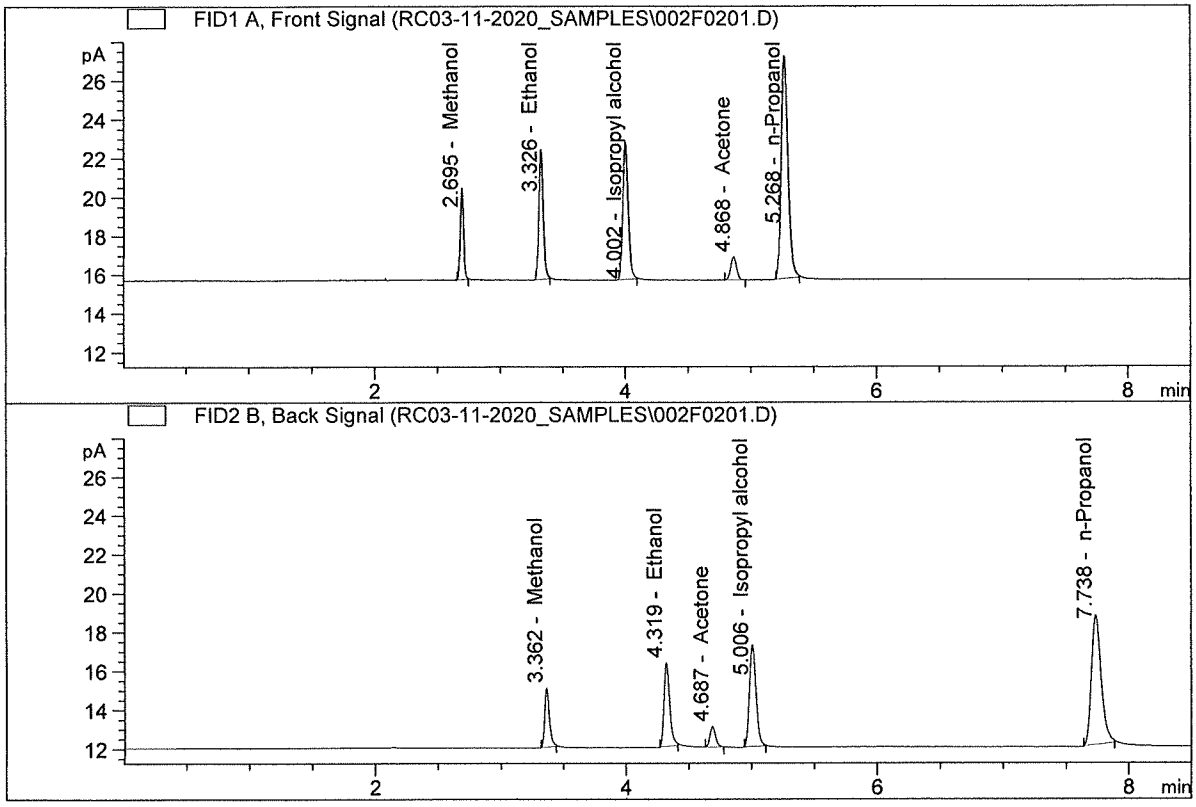
Sample Name : INT STD 1
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	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:	56.88205	1.0000	g/100cc
4.	n-Propanol	Column 2:	50.66504	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

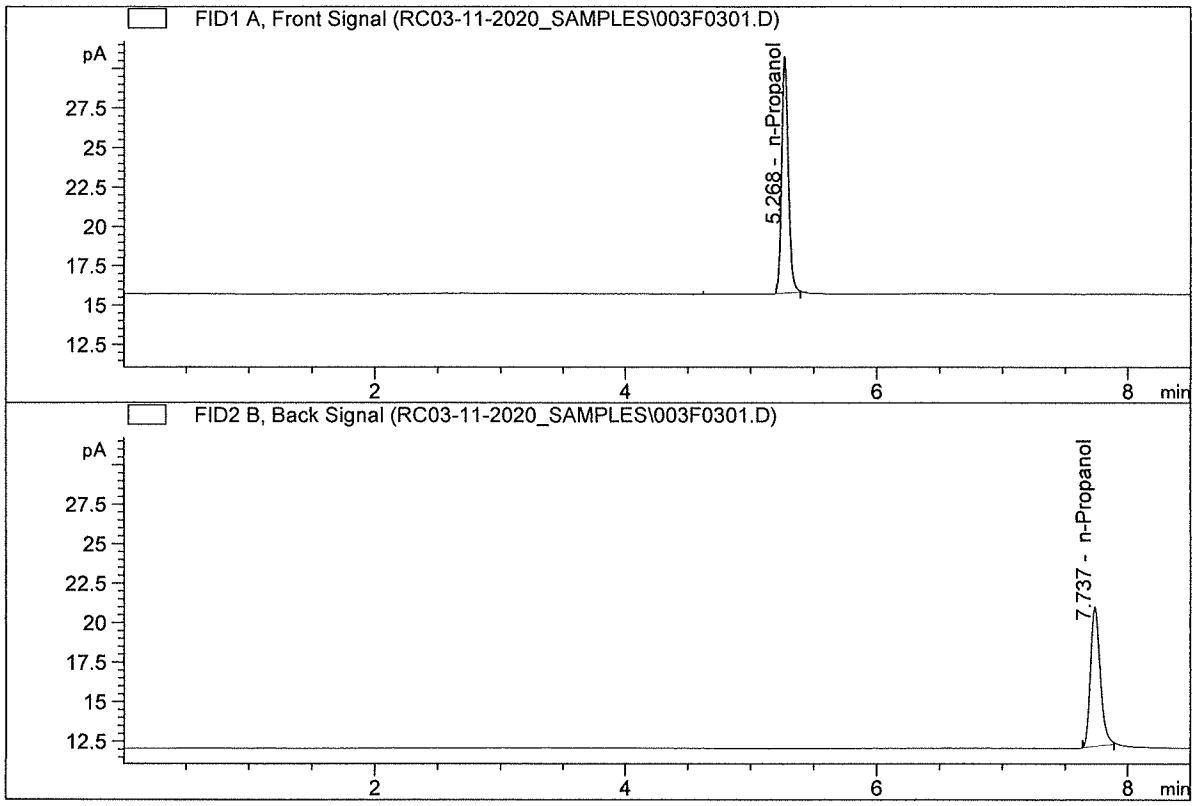
Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.77882	0.1668	g/100cc
2.	Ethanol	Column 2:	13.34424	0.1619	g/100cc
3.	n-Propanol	Column 1:	42.26621	1.0000	g/100cc
4.	n-Propanol	Column 2:	36.52601	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 2
Laboratory : Pocatello
Injection Date : Mar 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:	54.78518	1.0000	g/100cc
4.	n-Propanol	Column 2:	47.87720	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0836	0.0784	0.0052	0.0810	0.0007	0.0806
(g/100cc)	0.0828	0.0779	0.0049	0.0803		

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

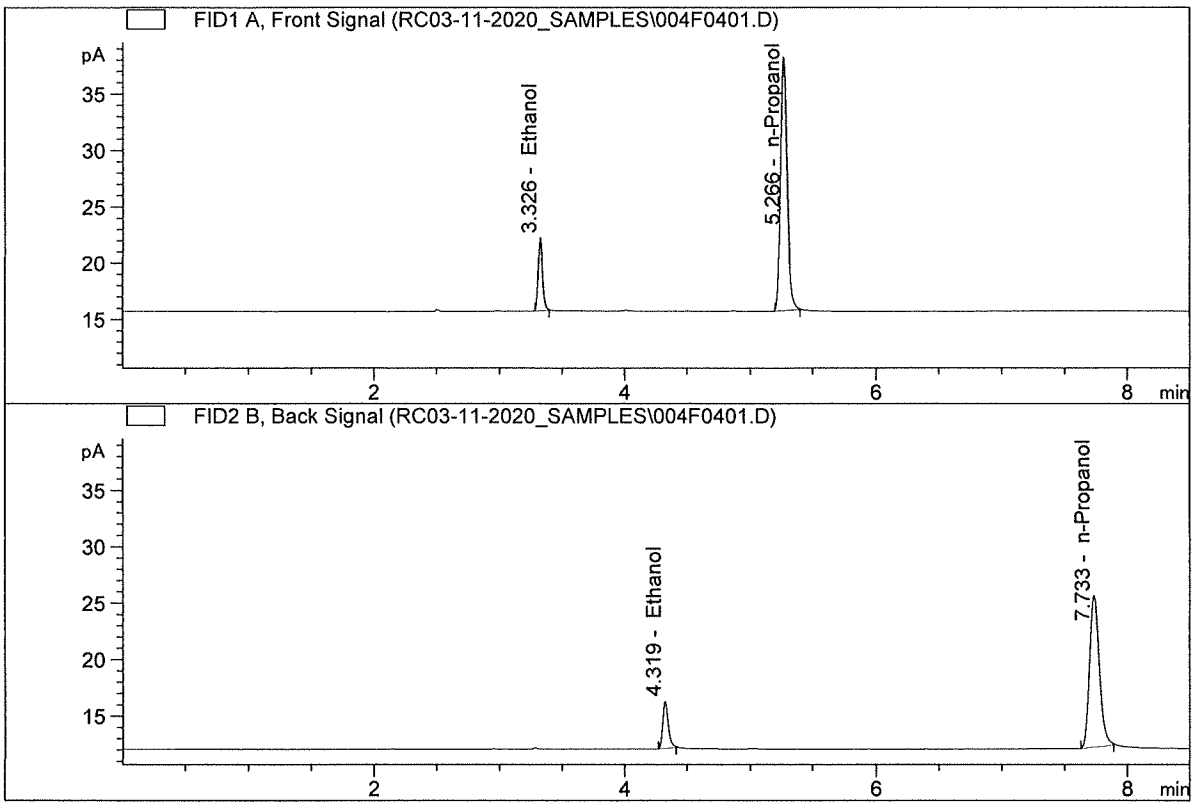
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

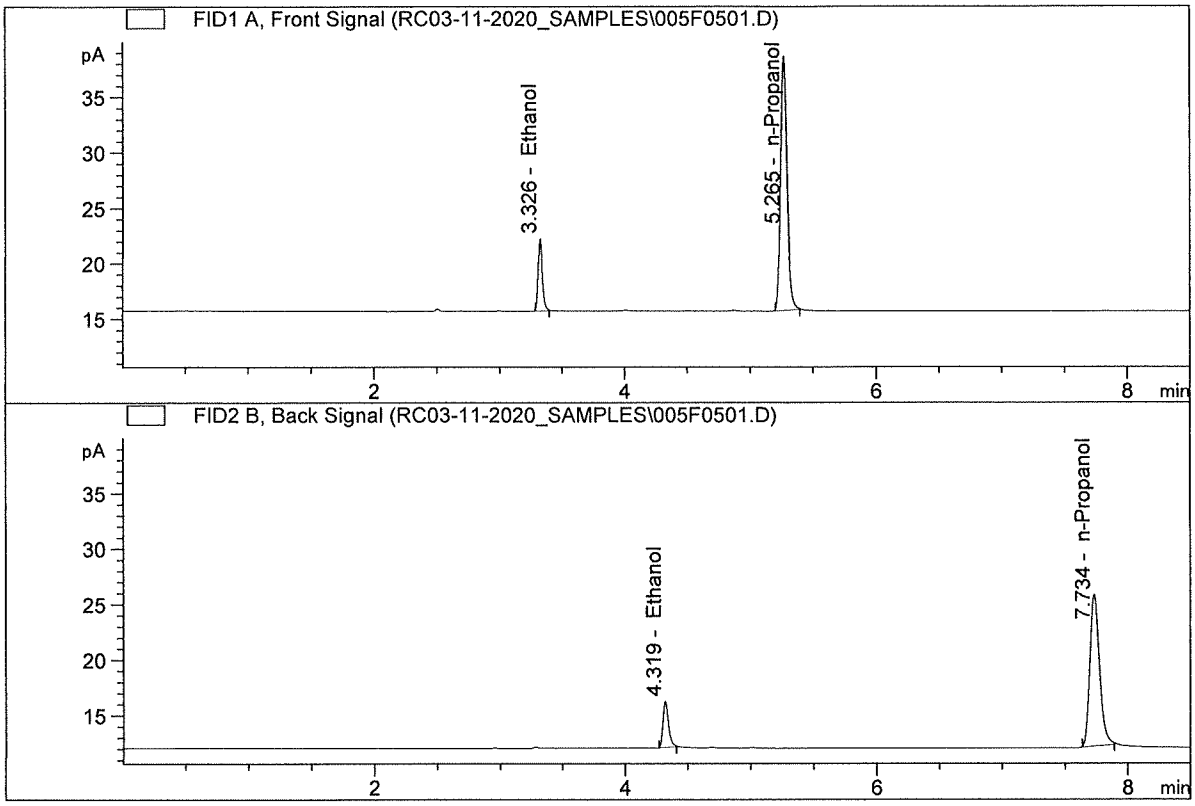
Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.16339	0.0836	g/100cc
2.	Ethanol	Column 2:	12.84300	0.0784	g/100cc
3.	n-Propanol	Column 1:	81.06535	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.58194	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.27544	0.0828	g/100cc
2.	Ethanol	Column 2:	12.89093	0.0779	g/100cc
3.	n-Propanol	Column 1:	82.41424	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.38550	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA **Analysis Date(s): 11 Mar 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0821	0.0778	0.0043	0.0799	0.0027	0.0813
(g/100cc)	0.0846	0.0807	0.0039	0.0826		

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
0.081	0.076	0.086	0.005

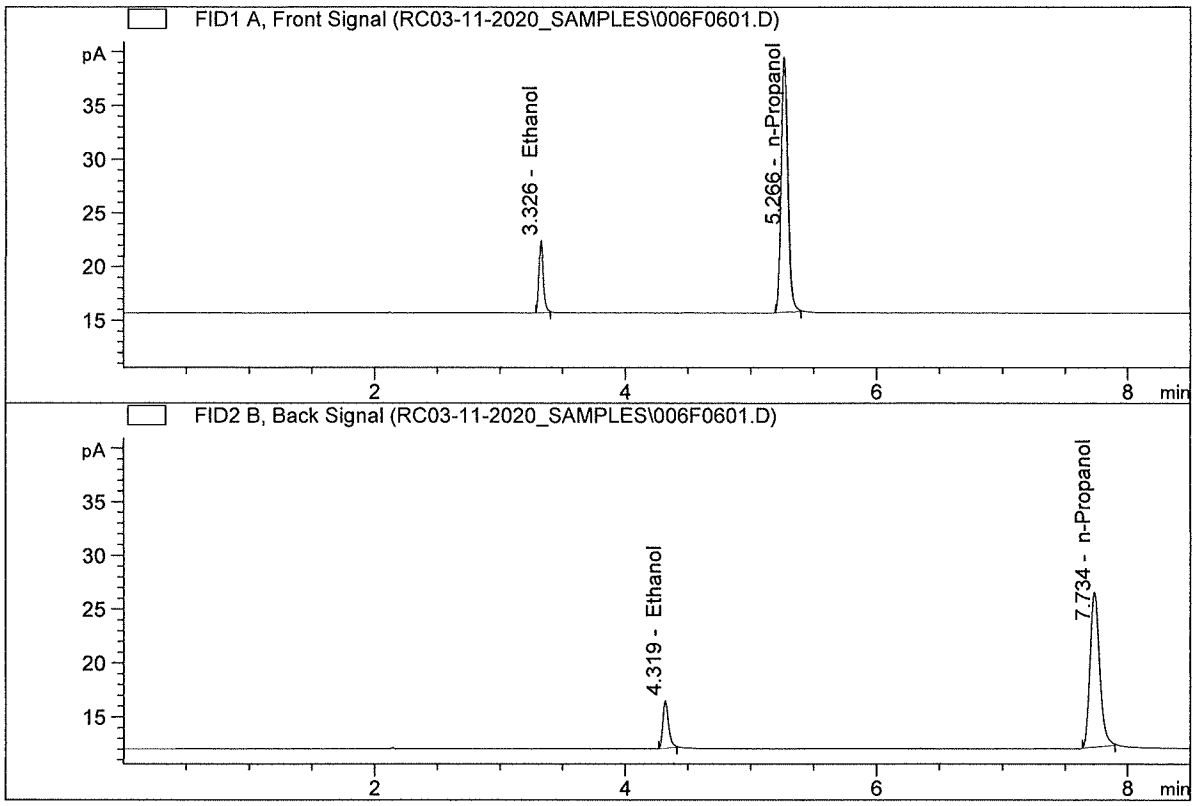
Reported Result

0.081

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

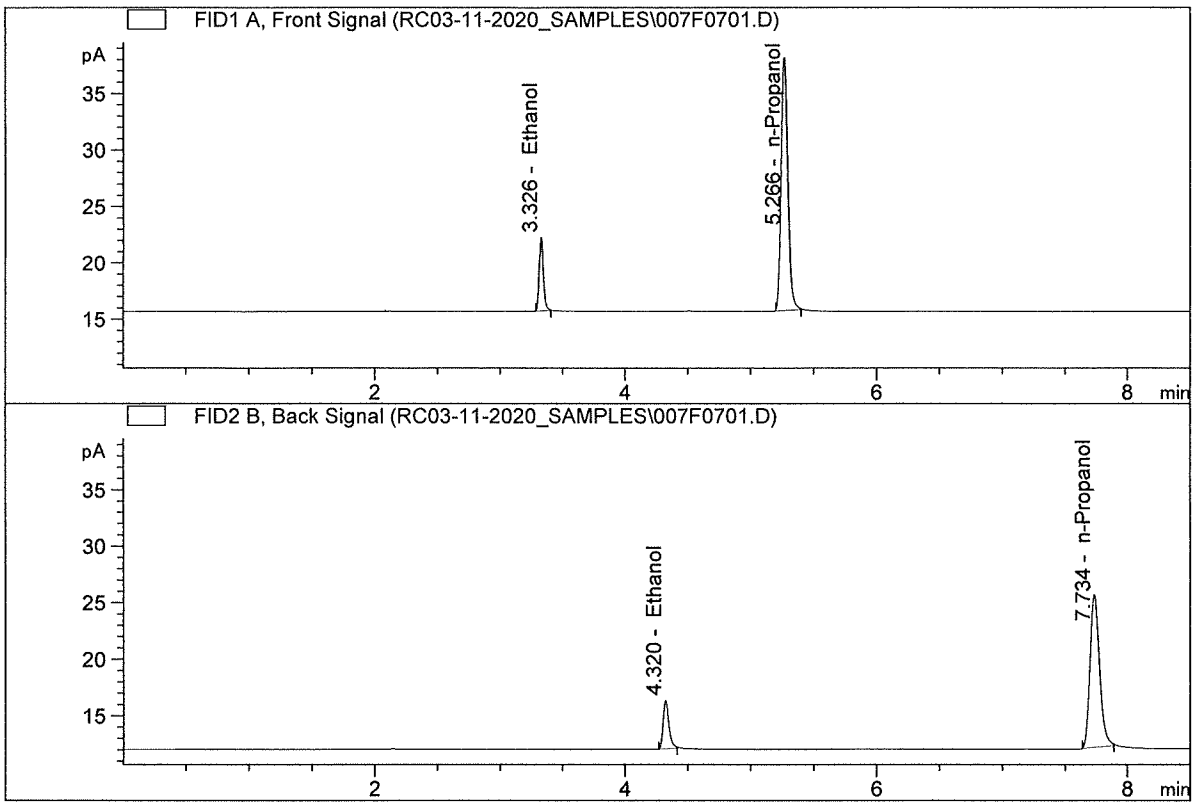
Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.82877	0.0821	g/100cc
2.	Ethanol	Column 2:	13.60896	0.0778	g/100cc
3.	n-Propanol	Column 1:	86.12616	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.56530	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	15.40833	0.0846	g/100cc
2.	Ethanol	Column 2:	13.23181	0.0807	g/100cc
3.	n-Propanol	Column 1:	81.41042	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.69051	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2147	0.2110	0.0037	0.2128	0.0002	0.2129
(g/100cc)	0.2146	0.2114	0.0032	0.2130		

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%**

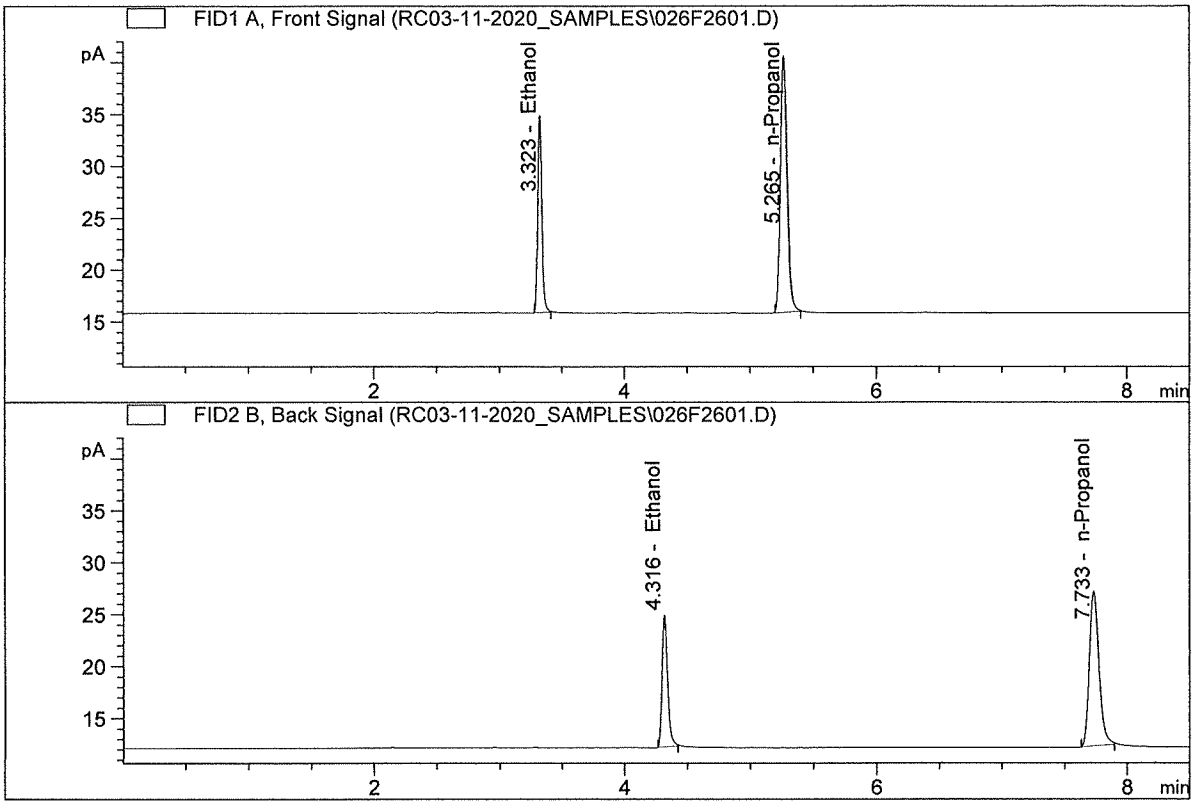
Overall Mean (g/100cc)	Low	High	5% of Mean
0.212	0.201	0.223	0.011

Reported Result
0.212

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

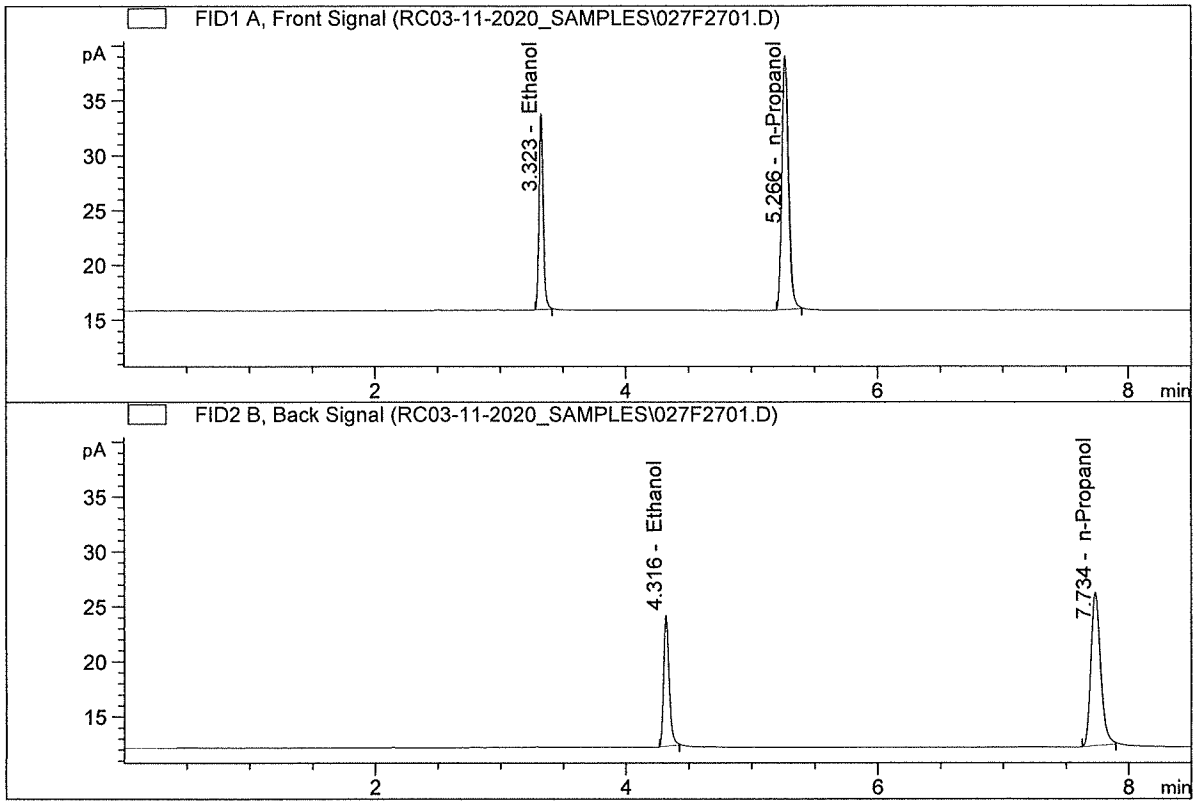
Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.97831	0.2147	g/100cc
2.	Ethanol	Column 2:	38.31018	0.2110	g/100cc
3.	n-Propanol	Column 1:	89.44812	1.0000	g/100cc
4.	n-Propanol	Column 2:	80.47369	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	40.36747	0.2146	g/100cc
2.	Ethanol	Column 2:	36.04456	0.2114	g/100cc
3.	n-Propanol	Column 1:	84.04101	1.0000	g/100cc
4.	n-Propanol	Column 2:	75.56355	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0845	0.0804	0.0041	0.0824	0.0010	0.0819
(g/100cc)	0.0837	0.0792	0.0045	0.0814		

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
0.081	0.076	0.086	0.005

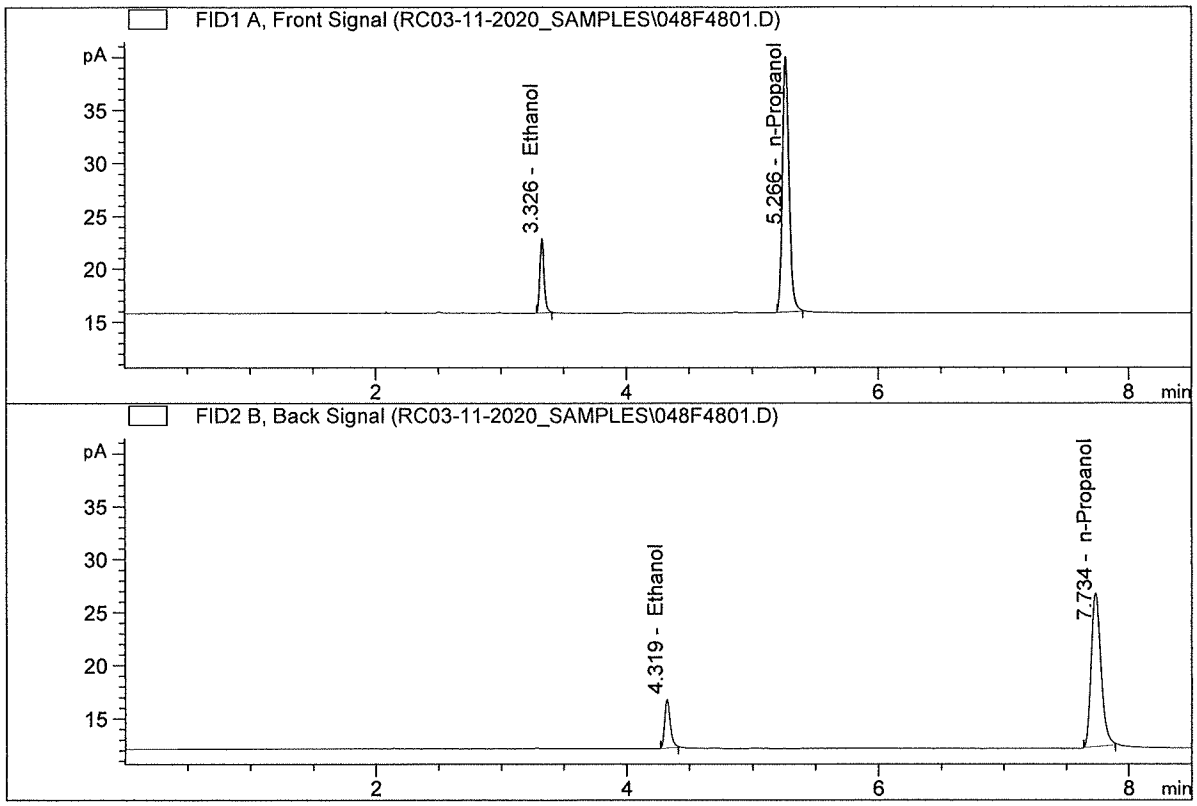
Reported Result

0.081

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

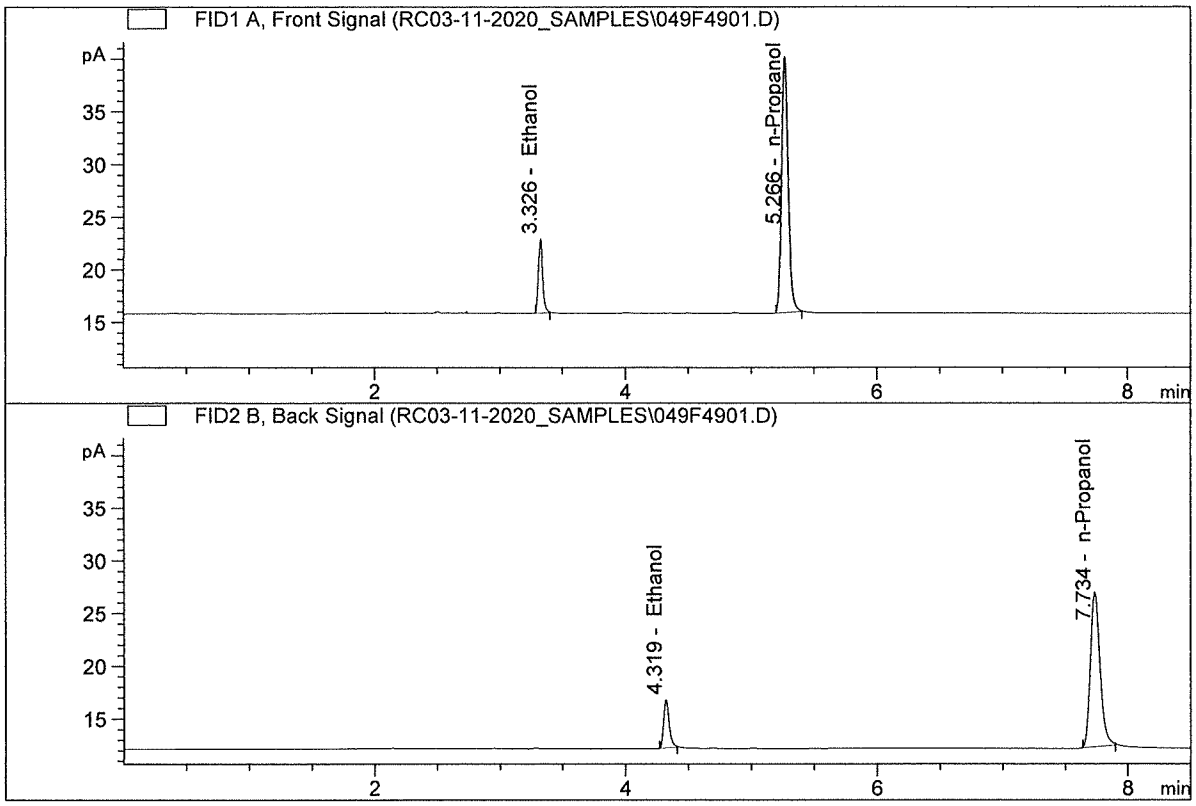
Sample Name : QC1-2-A
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.53125	0.0845	g/100cc
2.	Ethanol	Column 2:	14.22157	0.0804	g/100cc
3.	n-Propanol	Column 1:	87.40417	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.42688	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

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



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.50947	0.0837	g/100cc
2.	Ethanol	Column 2:	14.15279	0.0792	g/100cc
3.	n-Propanol	Column 1:	88.08488	1.0000	g/100cc
4.	n-Propanol	Column 2:	79.21688	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

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

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results (g/100cc)	0.2156	0.2137	0.0019	0.2146	0.0005	0.2144
	0.2148	0.2135	0.0013	0.2141		

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
0.214	**0.203**	**0.225**	**0.011**

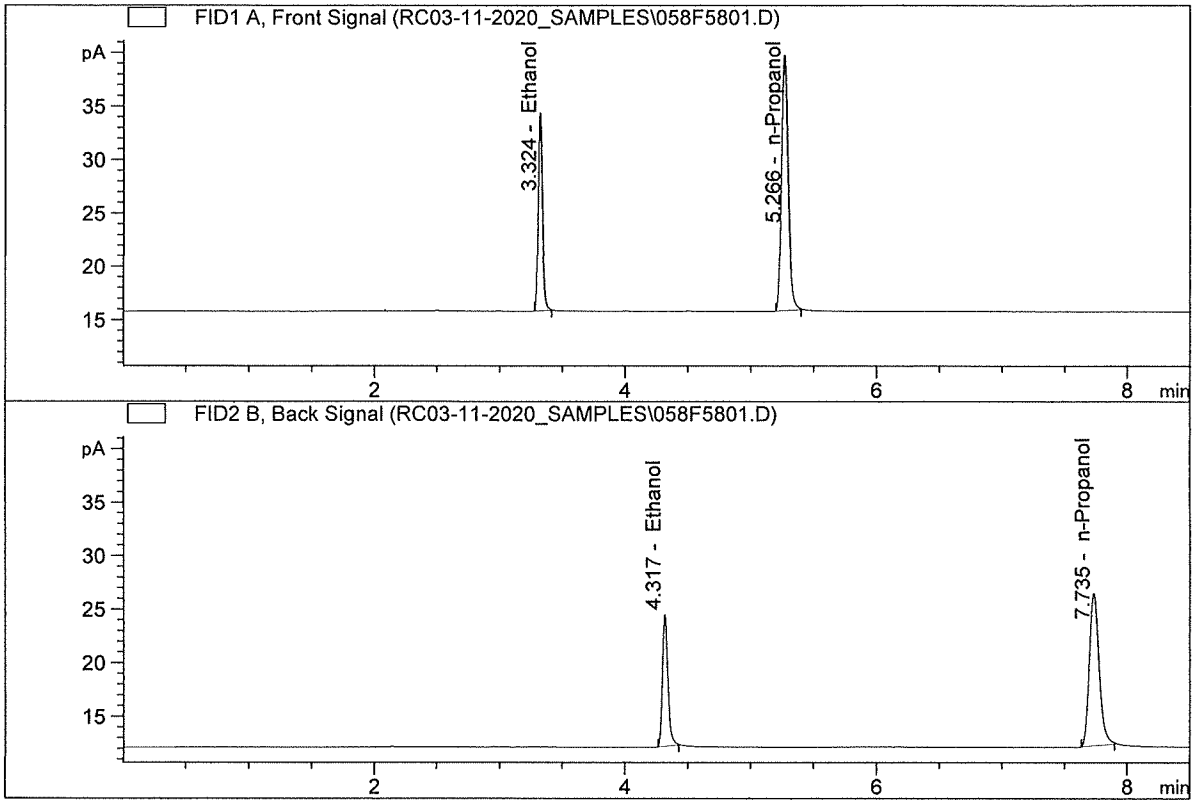
Reported Result

0.214

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

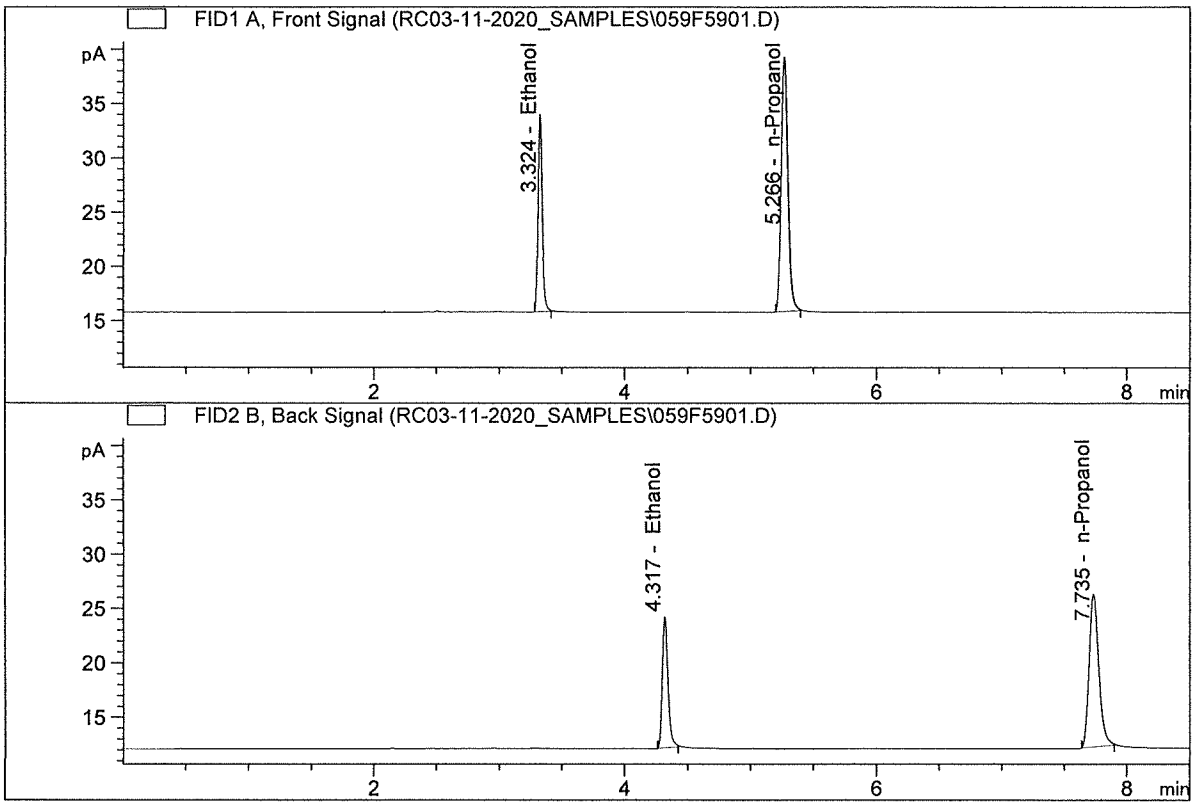
Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	41.73223	0.2156	g/100cc
2.	Ethanol	Column 2:	37.37040	0.2137	g/100cc
3.	n-Propanol	Column 1:	86.48843	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.51233	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

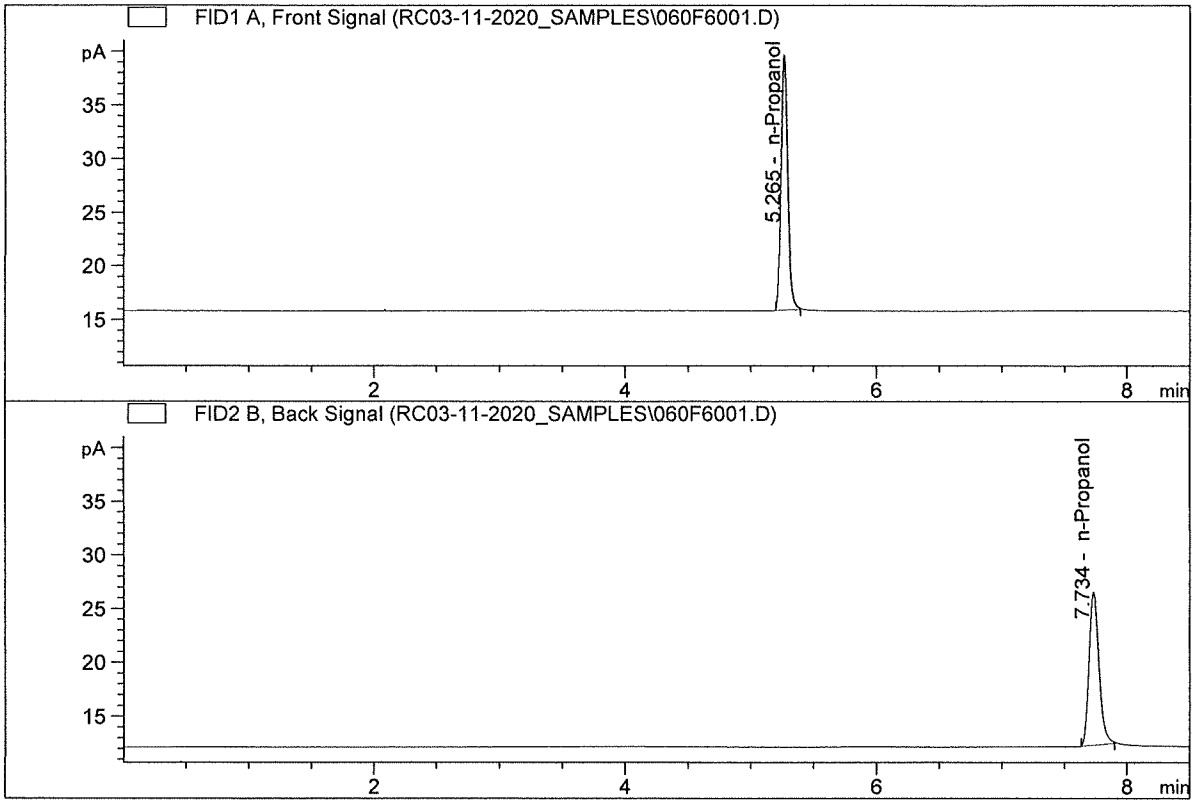
Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : Mar 11, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	40.89154	0.2148	g/100cc
2.	Ethanol	Column 2:	36.67271	0.2135	g/100cc
3.	n-Propanol	Column 1:	85.06166	1.0000	g/100cc
4.	n-Propanol	Column 2:	76.13573	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 3
Laboratory : Pocatello
Injection Date : Mar 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:	85.96126	1.0000	g/100cc
4.	n-Propanol	Column 2:	77.32600	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_11.03.2020_11.19.55\RC03-11-2020_SAMPLES.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_11.03.2020_11.19.55\RC03-11-2020_SAMPLES.S
Data directory path: C:\Chem32\1\Data\RC03-11-2020_SAMPLES
Logbook: C:\Chem32\1\Data\RC03-11-2020_SAMPLES\RC03-11-2020_SAMPLES.LOG
Sequence start: 3/11/2020 11:33:45 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	1907006-A	-	1.0000	008F0801.D		4
9	9	1	1907006-B	-	1.0000	009F0901.D		4
10	10	1	1907007-A	-	1.0000	010F1001.D		4
11	11	1	1907007-B	-	1.0000	011F1101.D		4
12	12	1	P2020-0668-1-A	-	1.0000	012F1201.D		6
13	13	1	P2020-0668-1-B	-	1.0000	013F1301.D		6
14	14	1	P2020-0678-1-A	-	1.0000	014F1401.D		6
15	15	1	P2020-0678-1-B	-	1.0000	015F1501.D		6
16	16	1	P2020-0680-1-A	-	1.0000	016F1601.D		6
17	17	1	P2020-0680-1-B	-	1.0000	017F1701.D		6
18	18	1	P2020-0683-1-A	-	1.0000	018F1801.D		6
19	19	1	P2020-0683-1-B	-	1.0000	019F1901.D		6
20	20	1	P2020-0688-1-A	-	1.0000	020F2001.D		6
21	21	1	P2020-0688-1-B	-	1.0000	021F2101.D		6
22	22	1	P2020-0689-1-A	-	1.0000	022F2201.D		6
23	23	1	P2020-0689-1-B	-	1.0000	023F2301.D		6
24	24	1	P2020-0692-1-A	-	1.0000	024F2401.D		6
25	25	1	P2020-0692-1-B	-	1.0000	025F2501.D		4
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	P2020-0693-1-A	-	1.0000	028F2801.D		6
29	29	1	P2020-0693-1-B	-	1.0000	029F2901.D		6
30	30	1	P2020-0728-1-A	-	1.0000	030F3001.D		6
31	31	1	P2020-0728-1-B	-	1.0000	031F3101.D		6
32	32	1	P2020-0734-1-A	-	1.0000	032F3201.D		3
33	33	1	P2020-0734-1-B	-	1.0000	033F3301.D		3
34	34	1	P2020-0740-1-A	-	1.0000	034F3401.D		3
35	35	1	P2020-0740-1-B	-	1.0000	035F3501.D		3
36	36	1	P2020-0740-2-A	-	1.0000	036F3601.D		2
37	37	1	P2020-0740-2-B	-	1.0000	037F3701.D		2
38	38	1	P2020-0752-1-A	-	1.0000	038F3801.D		6
39	39	1	P2020-0752-1-B	-	1.0000	039F3901.D		6
40	40	1	P2020-0769-1-A	-	1.0000	040F4001.D		6
41	41	1	P2020-0769-1-B	-	1.0000	041F4101.D		6
42	42	1	P2020-0770-1-A	-	1.0000	042F4201.D		6
43	43	1	P2020-0770-1-B	-	1.0000	043F4301.D		6
44	44	1	P2020-0793-1-A	-	1.0000	044F4401.D		6
45	45	1	P2020-0793-1-B	-	1.0000	045F4501.D		6
46	46	1	P2020-0806-1-A	-	1.0000	046F4601.D		6

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_11.03.2020_11.19.55\RC03-11-2020_SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	P2020-0806-1-B	-	1.0000	047F4701.D		6
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	P2020-0807-1-A	-	1.0000	050F5001.D		6
51	51	1	P2020-0807-1-B	-	1.0000	051F5101.D		6
52	52	1	P2020-0809-1-A	-	1.0000	052F5201.D		6
53	53	1	P2020-0809-1-B	-	1.0000	053F5301.D		6
54	54	1	P2020-0817-1-A	-	1.0000	054F5401.D		6
55	55	1	P2020-0817-1-B	-	1.0000	055F5501.D		6
56	56	1	P2020-0826-1-A	-	1.0000	056F5601.D		6
57	57	1	P2020-0826-1-B	-	1.0000	057F5701.D		6
58	58	1	QC2-2-A	-	1.0000	058F5801.D		4
59	59	1	QC2-2-B	-	1.0000	059F5901.D		4
60	60	1	INT STD 3	-	1.0000	060F6001.D		2