REVIEWED
By Jeremy Johnston at 4:53 pm, Jun 10, 2020

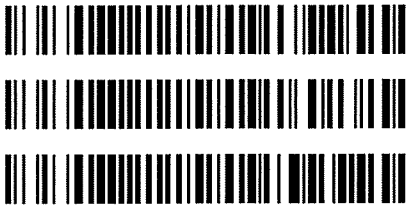
6/10/2020

Worklist: 4295

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-1571	1	BCK	Alcohol Analysis
M2020-1620	1	UCK	Alcohol Analysis
P2020-1413	1	BCK	Alcohol Analysis
P2020-1418	1	BCK	Alcohol Analysis
P2020-1422	1	BCK	Alcohol Analysis
P2020-1434	1	BCK	Alcohol Analysis
P2020-1440	1	BCK	Alcohol Analysis
P2020-1452	1	BCK	Alcohol Analysis
P2020-1454	1	BCK	Alcohol Analysis
P2020-1464	1	BCK	Alcohol Analysis
P2020-1489	2	BCK	Alcohol Analysis
P2020-1500	1	BCK	Alcohol Analysis
P2020-1518	1	BCK	Alcohol Analysis
P2020-1519	1	BCK	Alcohol Analysis
P2020-1524	1	BCK	Alcohol Analysis
P2020-1527	1	BCK	Alcohol Analysis
P2020-1537	1	BCK	Alcohol Analysis
P2020-1564	1	BCK	Alcohol Analysis
P2020-1564	2	BCK	Alcohol Analysis
P2020-1565	1	BCK	Alcohol Analysis
P2020-1566	1	BCK	Alcohol Analysis

Worklist: 4295

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-1587	1	BCK	Alcohol Analysis
P2020-1603	1	BCK	Alcohol Analysis
P2020-1626	1	BCK	Alcohol Analysis



Worklist: 4296

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-1470	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: ML600GB9897

Volatiles Quality Assurance Controls **Run Date(s): 06/09/2020**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0820 g/100cc
					0.0790 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1976 g/100cc
					0.1996 g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	11918	ok
Curve Fit:		**Column 1**	1.00000	**Column2**	1.00000

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0501	0.0508	0.0007	0.0504
100	0.100	0.090 - 0.110	0.1003	0.1006	0.0003	0.1004
200	0.200	0.180 - 0.220	0.2008	0.2011	0.0001	0.2009
300	0.300	0.270 - 0.330	0.3005	0.3002	0.0003	0.3003
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5004	0.5001	0.0003	0.5002

Aqueous Controls

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

REVIEWED
By Jeremy Johnston at 4:53 pm, Jun 10, 2020

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Tuesday, June 09, 2020 12:50:47 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

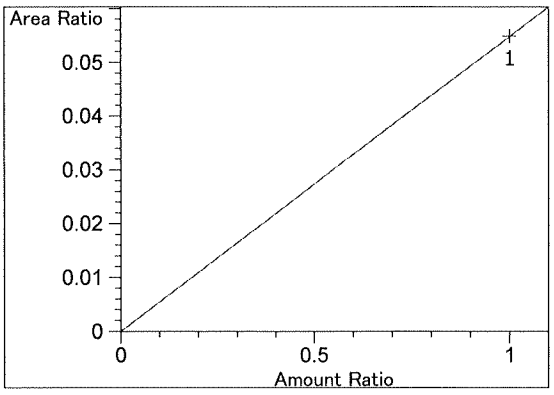
Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.470	2	1	1.00000	6.45200	1.54991e-1	No	No	2	Fluorinated ethane
2.480	1	1	1.00000	1.84105	5.43168e-1	No	No	1	Fluorinated ethane
2.866	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
3.177	1	1	1.00000	10.52400	9.50209e-2	No	No	1	Acetaldehyde
3.250	2	1	1.00000	11.54700	8.66026e-2	No	No	2	Acetaldehyde
3.529	1	1	5.00000e-2	11.27546	4.43441e-3	No	No	1	Ethanol
		2	1.00000e-1	22.96205	4.35501e-3				
		3	2.00000e-1	44.81889	4.46240e-3				
		4	3.00000e-1	69.15588	4.33803e-3				
		5	5.00000e-1	111.72987	4.47508e-3				
3.732	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
4.245	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.847	2	1	5.00000e-2	11.08040	4.51247e-3	No	No	2	Ethanol
		2	1.00000e-1	22.35436	4.47340e-3				
		3	2.00000e-1	43.48568	4.59922e-3				
		4	3.00000e-1	67.00923	4.47700e-3				
		5	5.00000e-1	108.19361	4.62134e-3				
5.159	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
5.278	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
5.583	1	1	1.00000	121.95167	8.19997e-3	No	Yes	1	n-Propanol
		2	1.00000	124.12134	8.05663e-3				
		3	1.00000	120.97140	8.26642e-3				
		4	1.00000	124.56965	8.02764e-3				
		5	1.00000	120.43742	8.30307e-3				
		6	1.00000	111.45872	8.97193e-3				
5.657	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
8.846	2	1	1.00000	117.64585	8.50009e-3	No	Yes	2	n-Propanol
		2	1.00000	119.74327	8.35120e-3				
		3	1.00000	116.48006	8.58516e-3				
		4	1.00000	120.09264	8.32691e-3				
		5	1.00000	116.11844	8.61190e-3				
		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

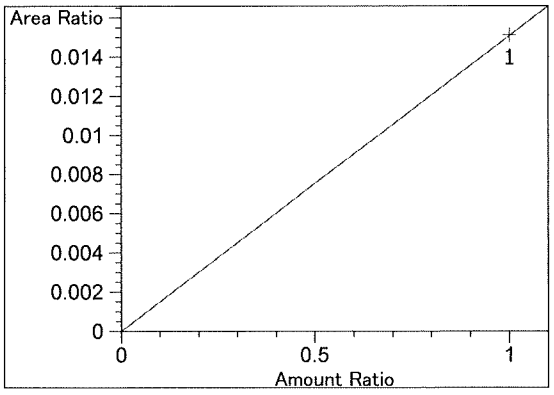
Peak Sum Table

No Entries in table

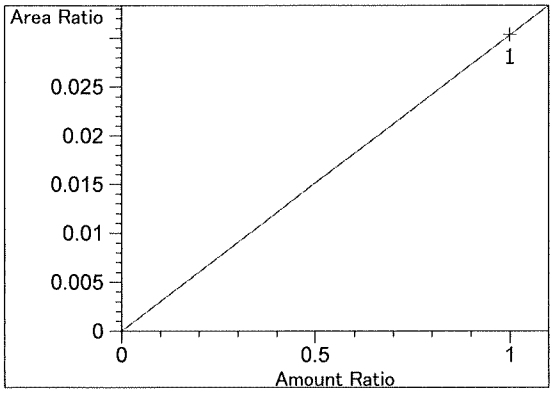
Calibration Curves



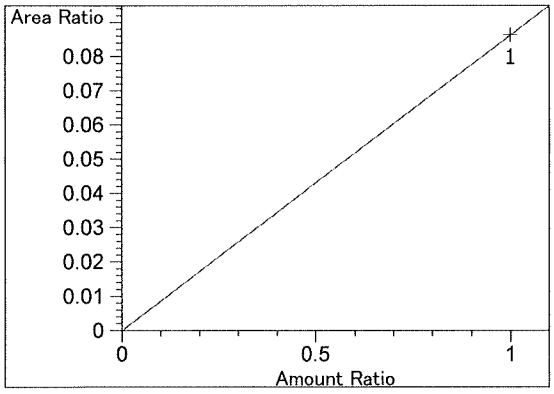
Fluorinated ethane at exp. RT: 2.470
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.48426e-2
x: Amount Ratio
y: Area Ratio



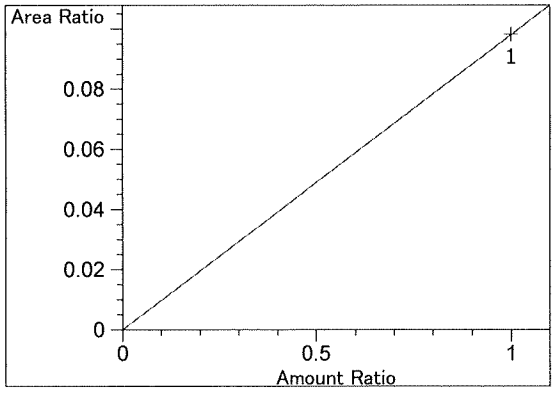
Fluorinated ethane at exp. RT: 2.480
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.50966e-2
x: Amount Ratio
y: Area Ratio



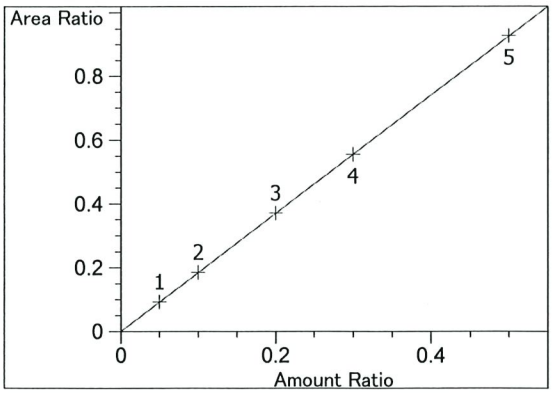
Methanol at exp. RT: 2.866
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.03128e-2
x: Amount Ratio
y: Area Ratio



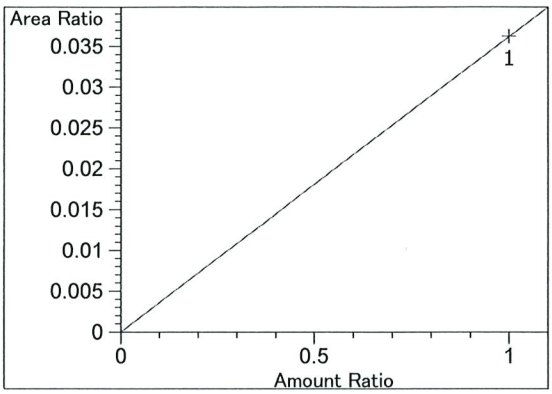
Acetaldehyde at exp. RT: 3.177
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.62965e-2
x: Amount Ratio
y: Area Ratio



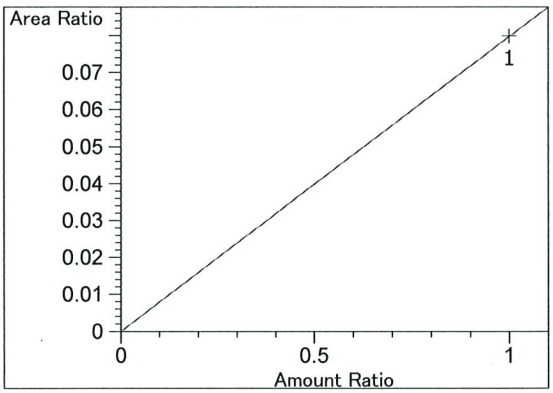
Acetaldehyde at exp. RT: 3.250
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.81505e-2
x: Amount Ratio
y: Area Ratio



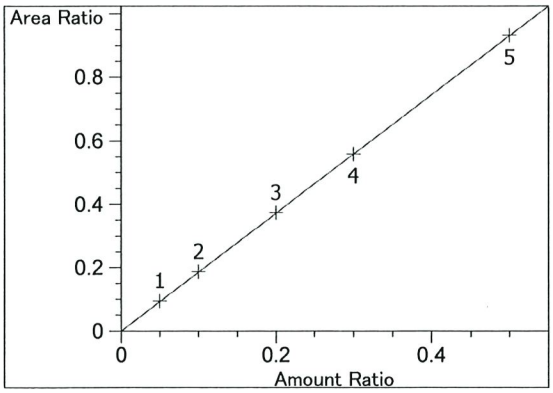
Ethanol at exp. RT: 3.529
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00069
Formula: y = mx
m: 1.85381
x: Amount Ratio
y: Area Ratio



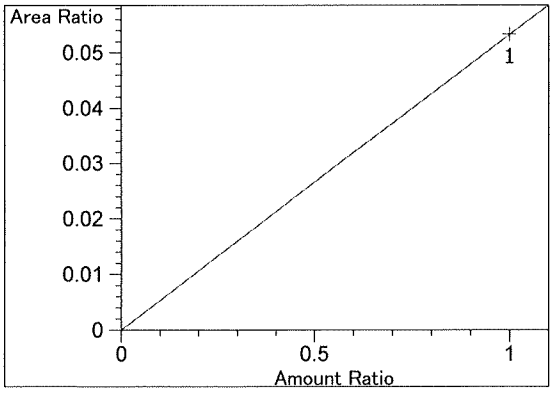
Methanol at exp. RT: 3.732
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.62157e-2
x: Amount Ratio
y: Area Ratio



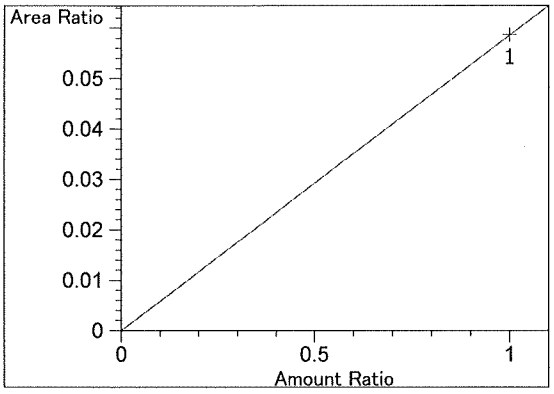
Isopropyl alcohol at exp. RT: 4.245
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.97902e-2
x: Amount Ratio
y: Area Ratio



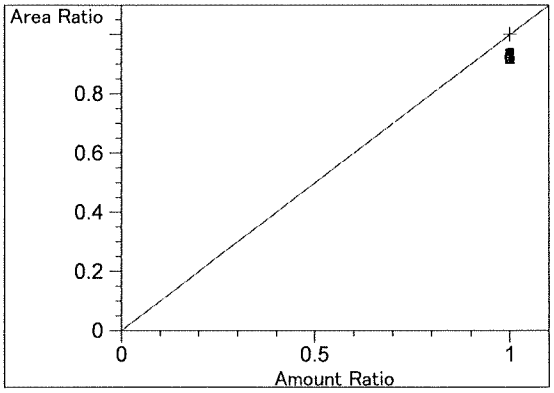
Ethanol at exp. RT: 4.847
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00081
Formula: y = mx
m: 1.86322
x: Amount Ratio
y: Area Ratio



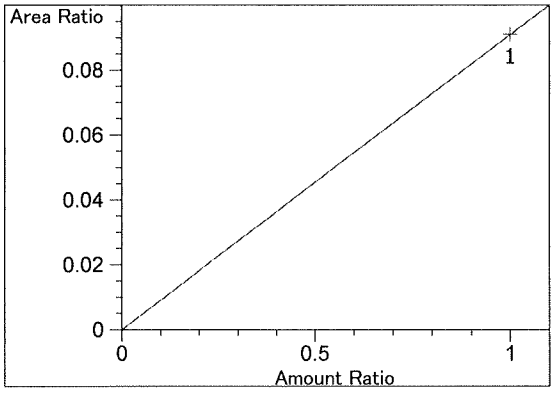
Acetone at exp. RT: 5.159
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.32949e-2
x: Amount Ratio
y: Area Ratio



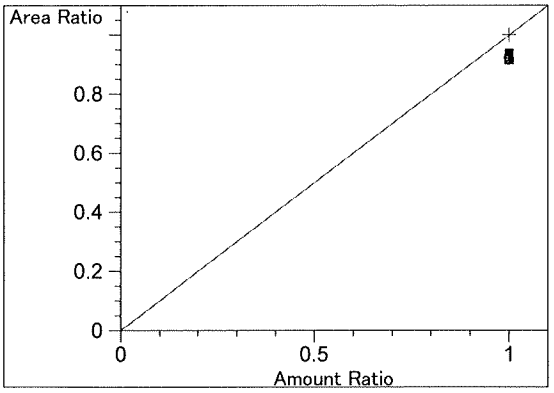
Acetone at exp. RT: 5.278
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.85912e-2
x: Amount Ratio
y: Area Ratio



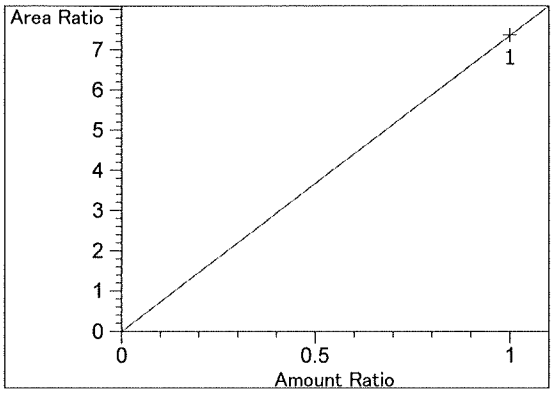
n-Propanol at exp. RT: 5.583
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



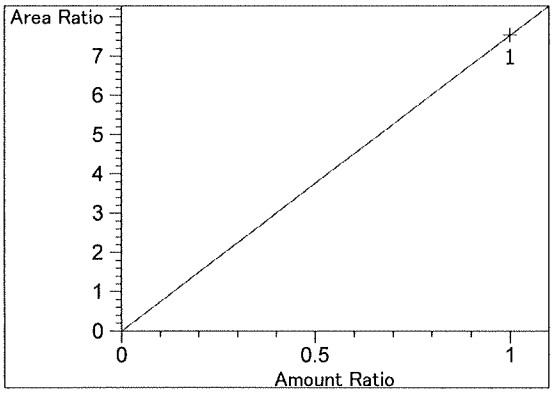
Isopropyl alcohol at exp. RT: 5.657
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.10055e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 8.846
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: 7.35124
x: Amount Ratio
y: Area Ratio

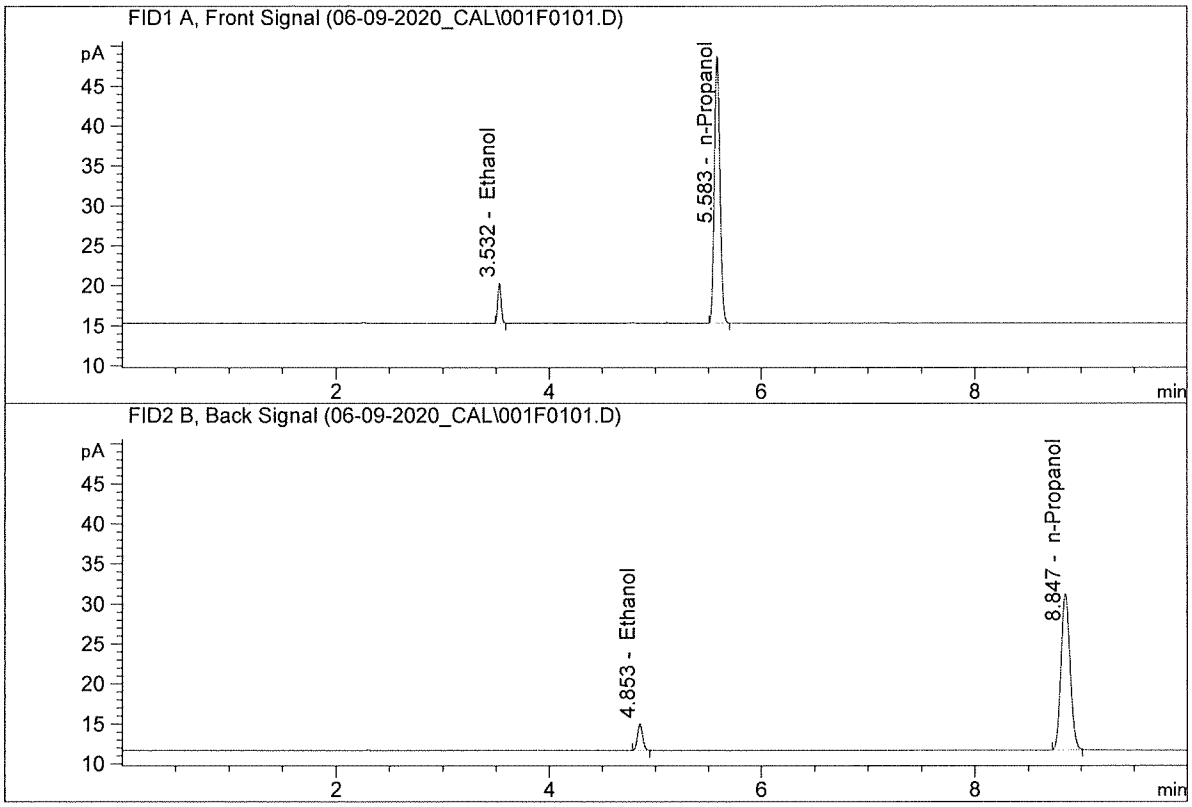


Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.53154
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

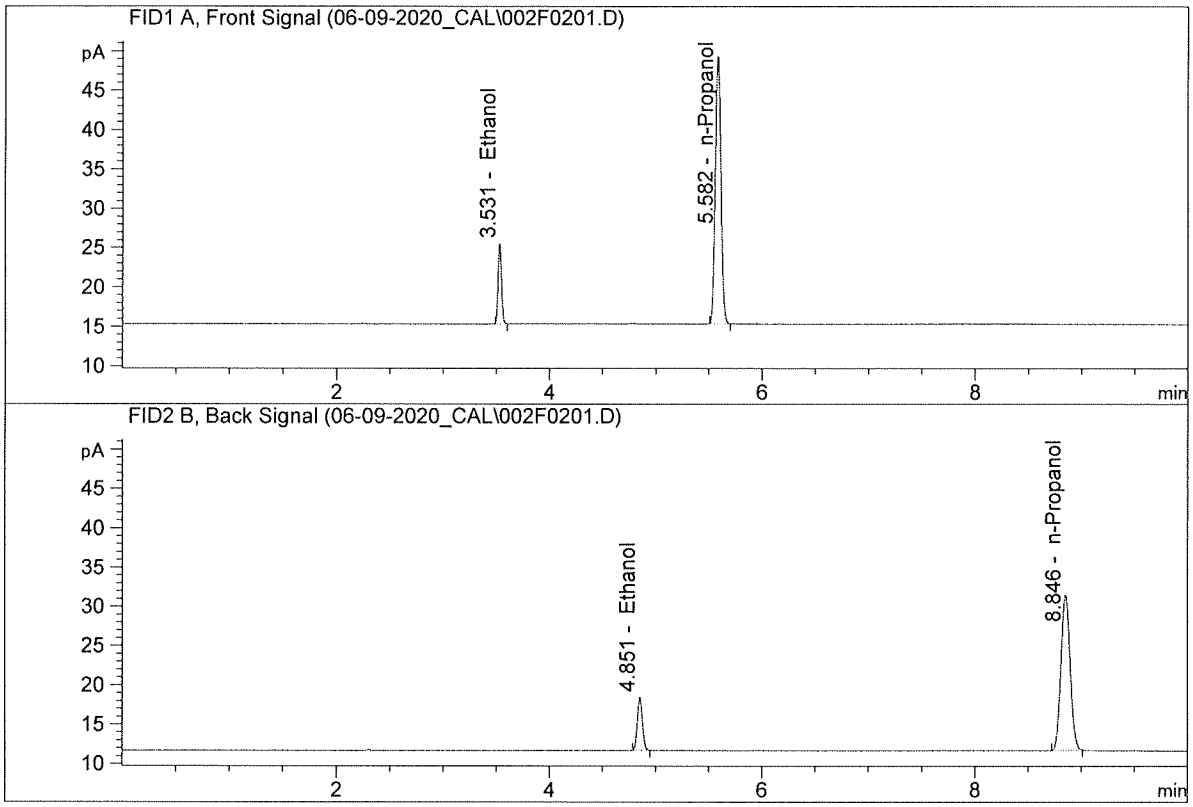
Sample Name : 0.050
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.27546	0.0501	g/100cc
2.	Ethanol	Column 2:	11.08040	0.0508	g/100cc
3.	n-Propanol	Column 1:	121.95167	1.0000	g/100cc
4.	n-Propanol	Column 2:	117.64585	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

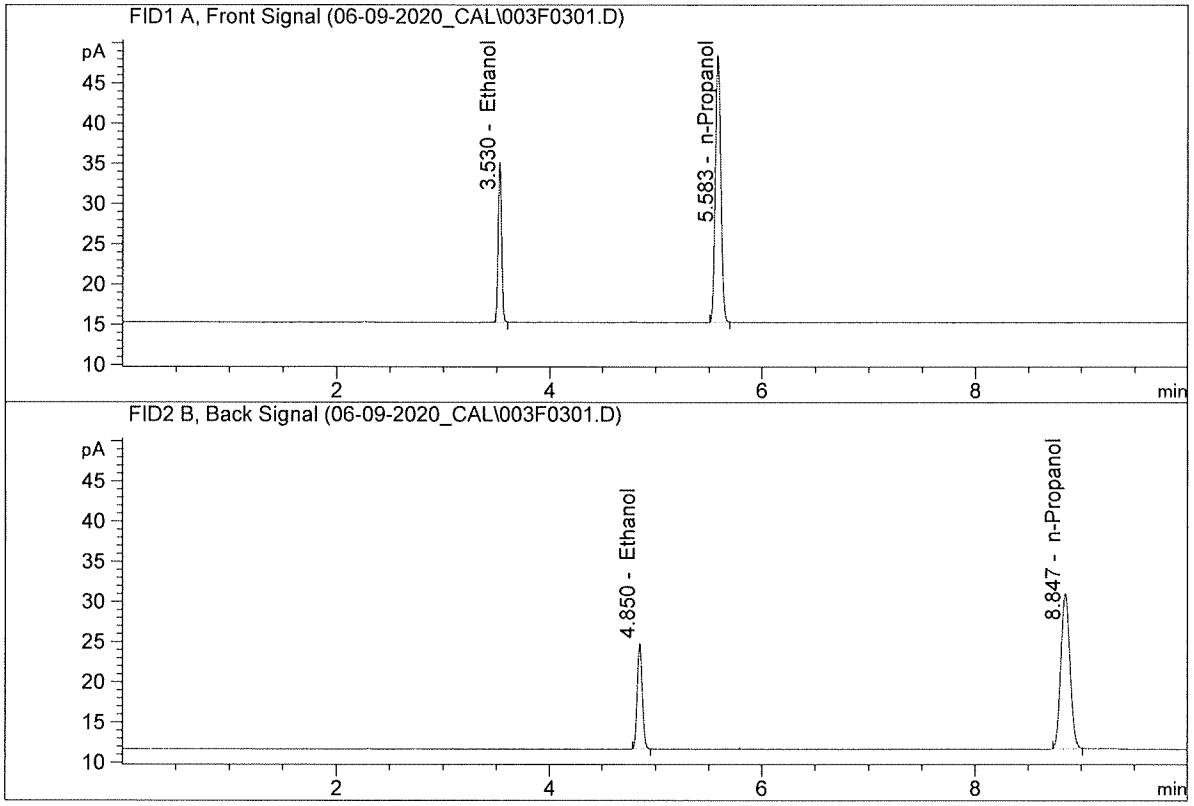
Sample Name : 0.100
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.96205	0.1003	g/100cc
2.	Ethanol	Column 2:	22.35436	0.1006	g/100cc
3.	n-Propanol	Column 1:	124.12134	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.74327	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

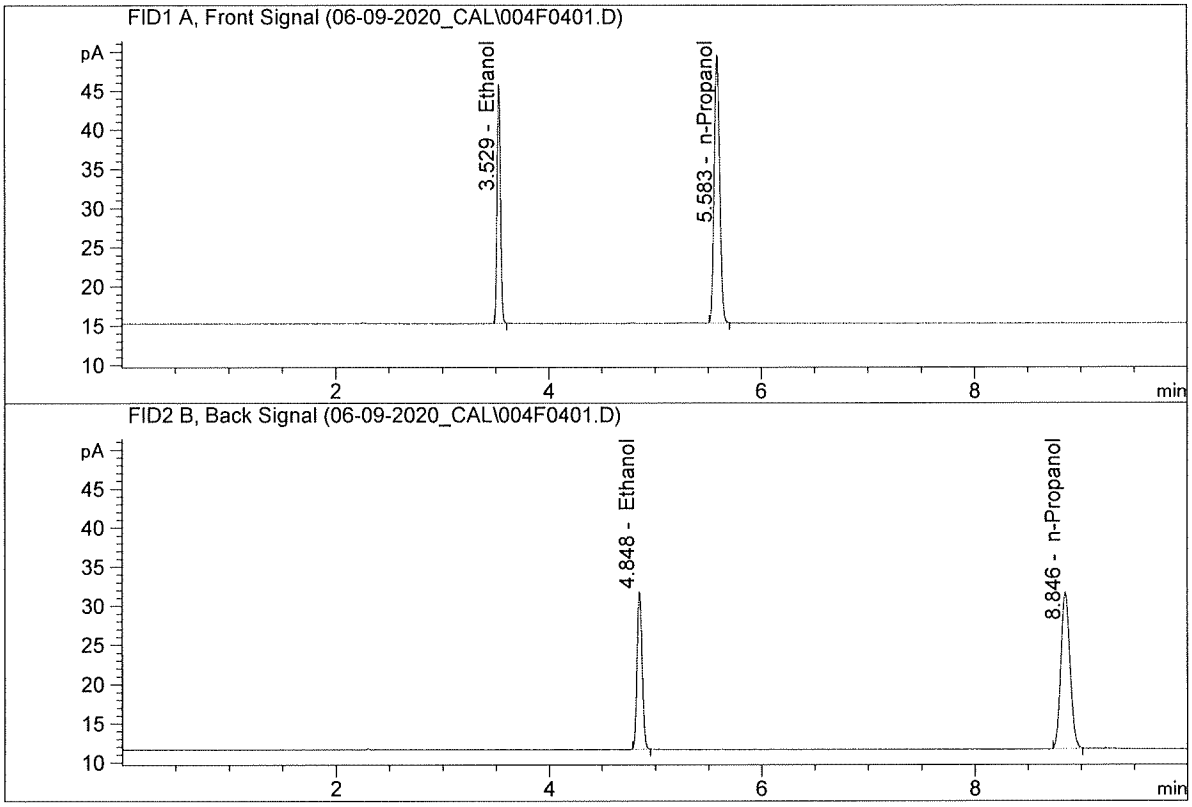
Sample Name : 0.200
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.81889	0.2008	g/100cc
2.	Ethanol	Column 2:	43.48568	0.2011	g/100cc
3.	n-Propanol	Column 1:	120.97140	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.48006	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

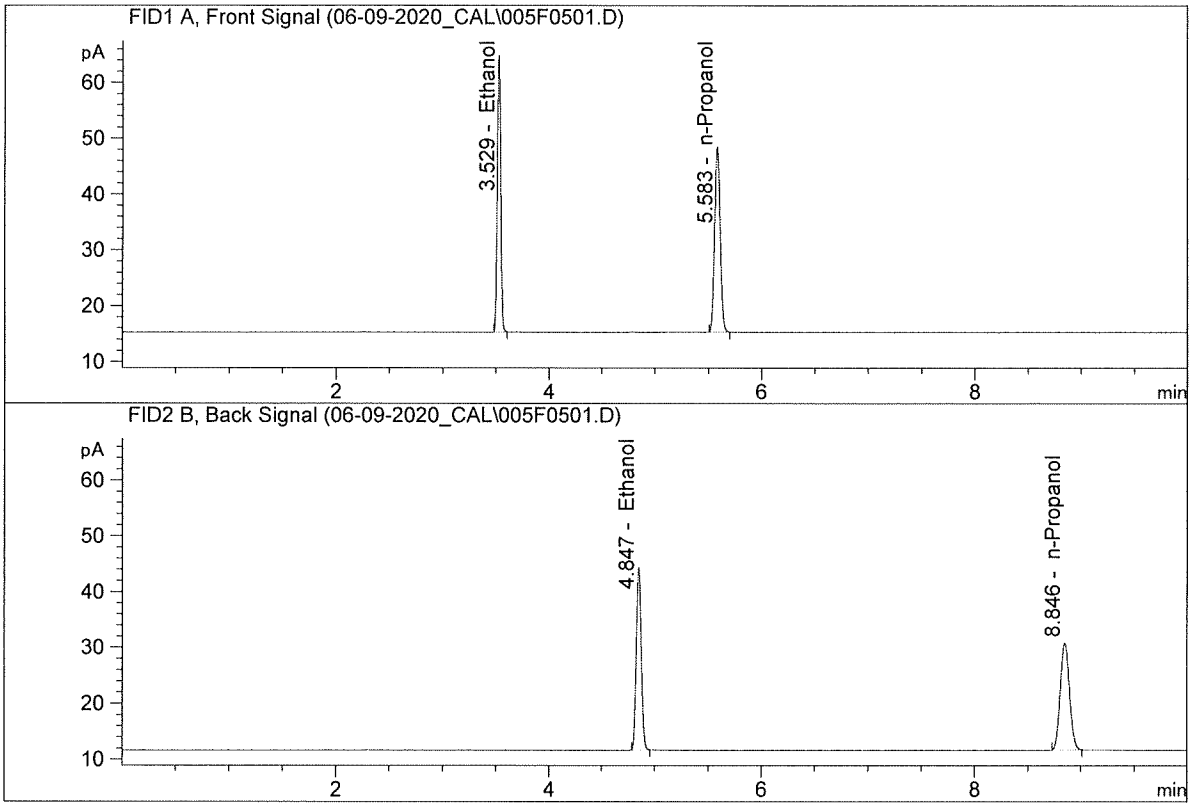
Sample Name : 0.300
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	69.15588	0.3005	g/100cc
2.	Ethanol	Column 2:	67.00923	0.3002	g/100cc
3.	n-Propanol	Column 1:	124.56965	1.0000	g/100cc
4.	n-Propanol	Column 2:	120.09264	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

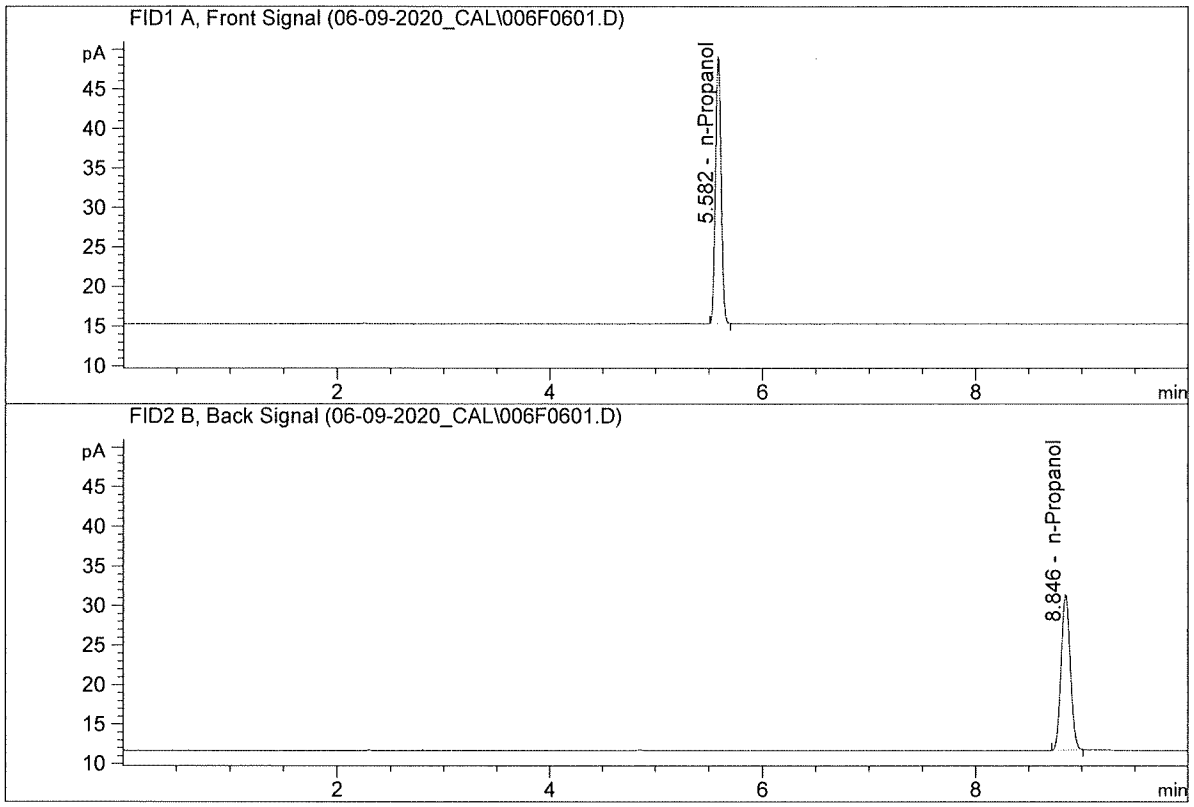
Sample Name : 0.500
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	111.72987	0.5004	g/100cc
2.	Ethanol	Column 2:	108.19361	0.5001	g/100cc
3.	n-Propanol	Column 1:	120.43742	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.11844	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD
Laboratory : Pocatello
Injection Date : Jun 9, 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:	123.24239	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.84023	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.06.2020_11.28.23\MASTERCAL.S

Sample Summary

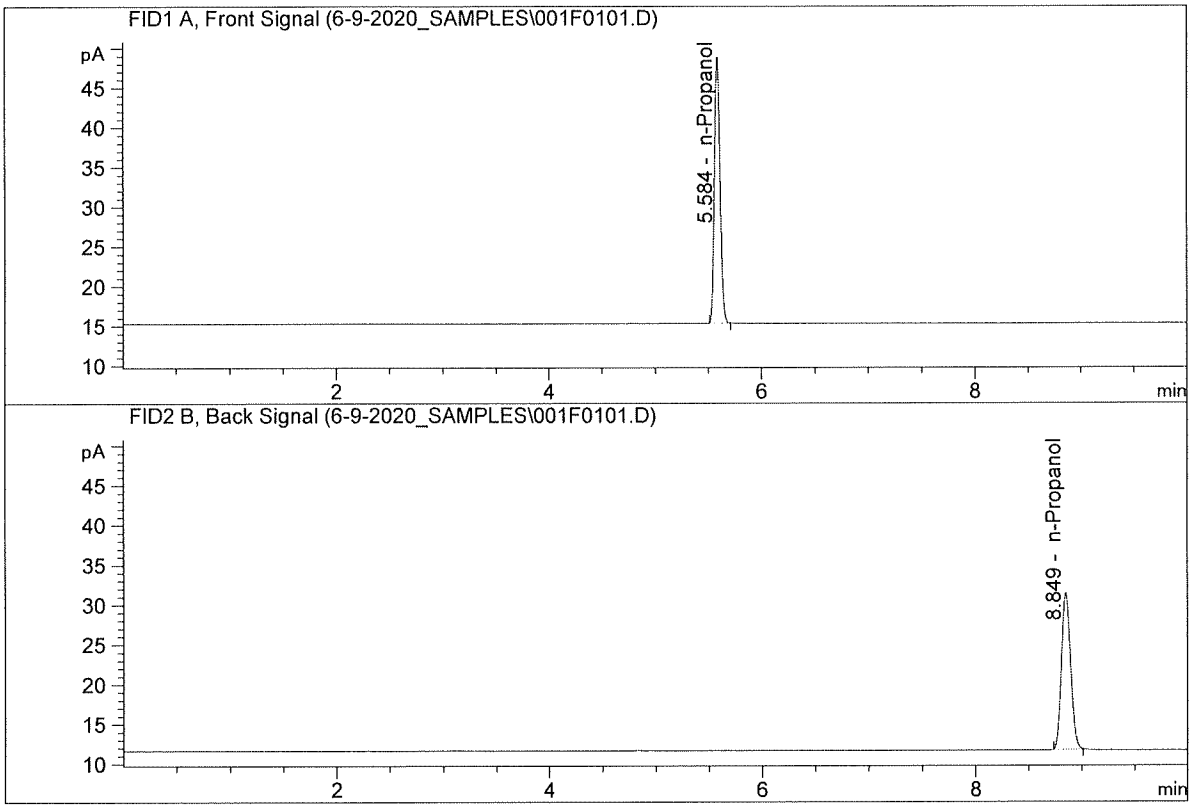
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.06.2020_11.28.23\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\06-09-2020_CAL
Logbook: C:\Chem32\1\Data\06-09-2020_CAL\MASTERCAL.LOG
Sequence start: 6/9/2020 11:42:10 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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

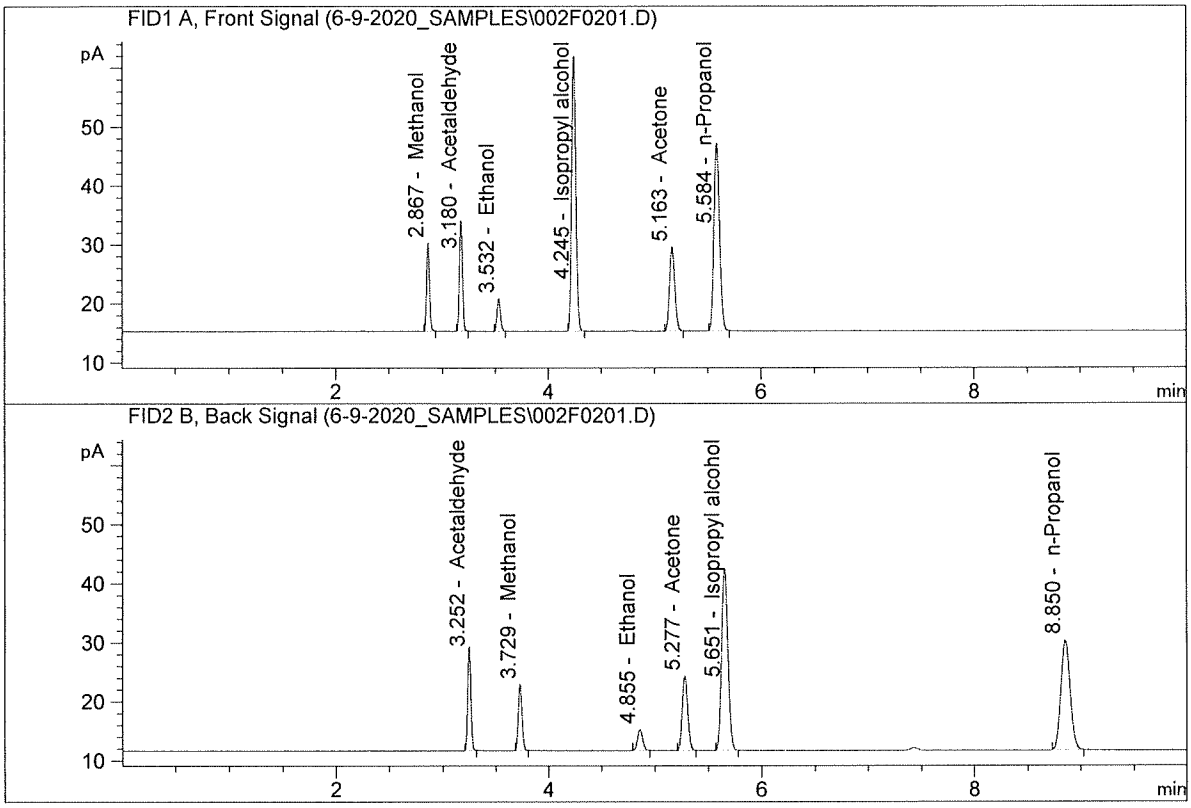
Sample Name : INT STD 1
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	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:	122.84849	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.91440	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

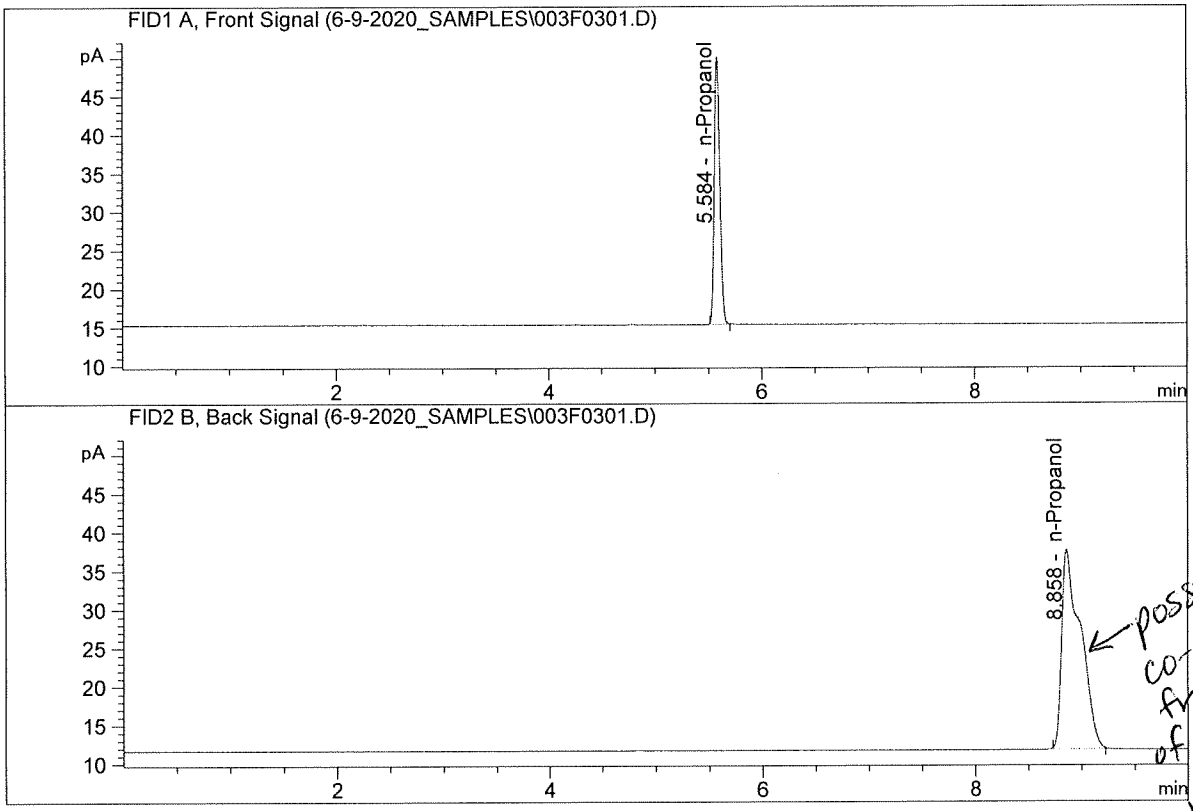
Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.30455	0.0570	g/100cc
2.	Ethanol	Column 2:	12.07106	0.0575	g/100cc
3.	n-Propanol	Column 1:	116.53190	1.0000	g/100cc
4.	n-Propanol	Column 2:	112.66752	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 2
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



possible co-elution from component of mixed volatiles standard. 6-10-20 RC

#	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:	126.81119	1.0000	g/100cc
4.	n-Propanol	Column 2:	321.56134	1.0000	g/100cc

RC

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 09 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0809	0.0811	0.0002	0.0810	0.0021	0.0820
(g/100cc)	0.0829	0.0834	0.0005	0.0831		

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
0.082	0.077	0.087	0.005

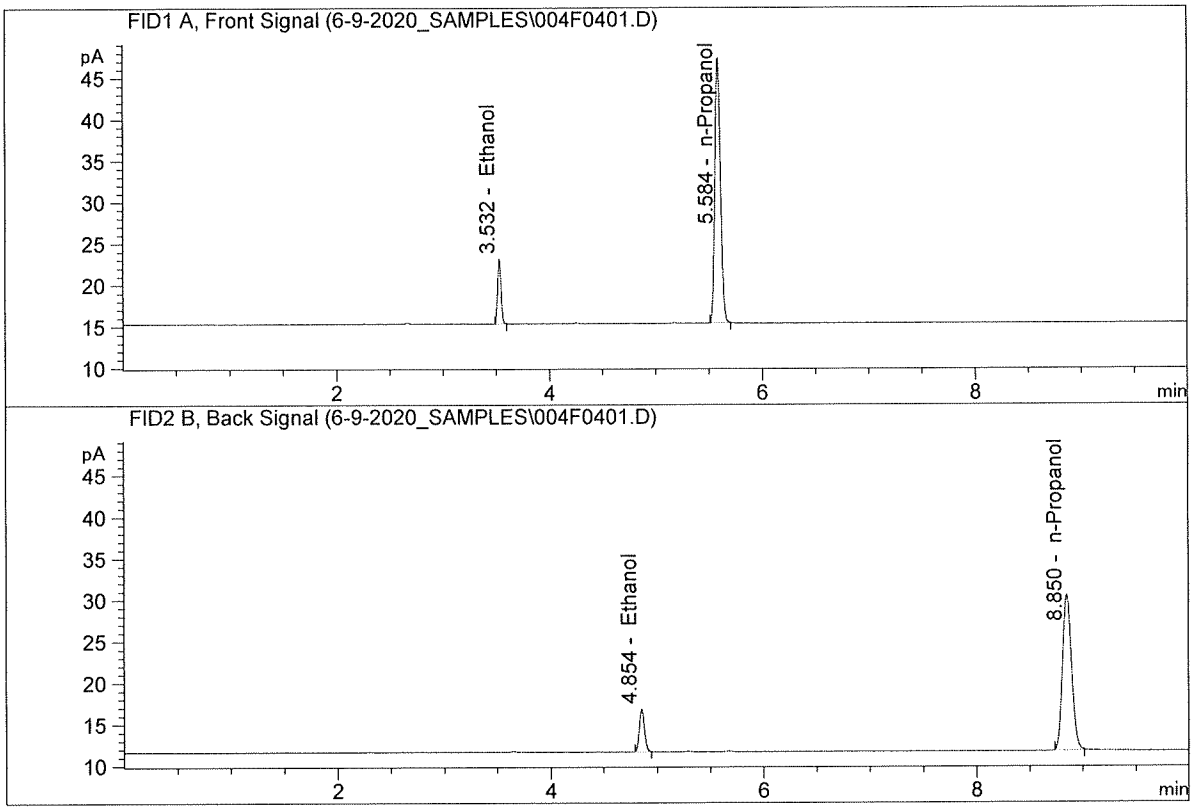
Reported Result

0.082

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

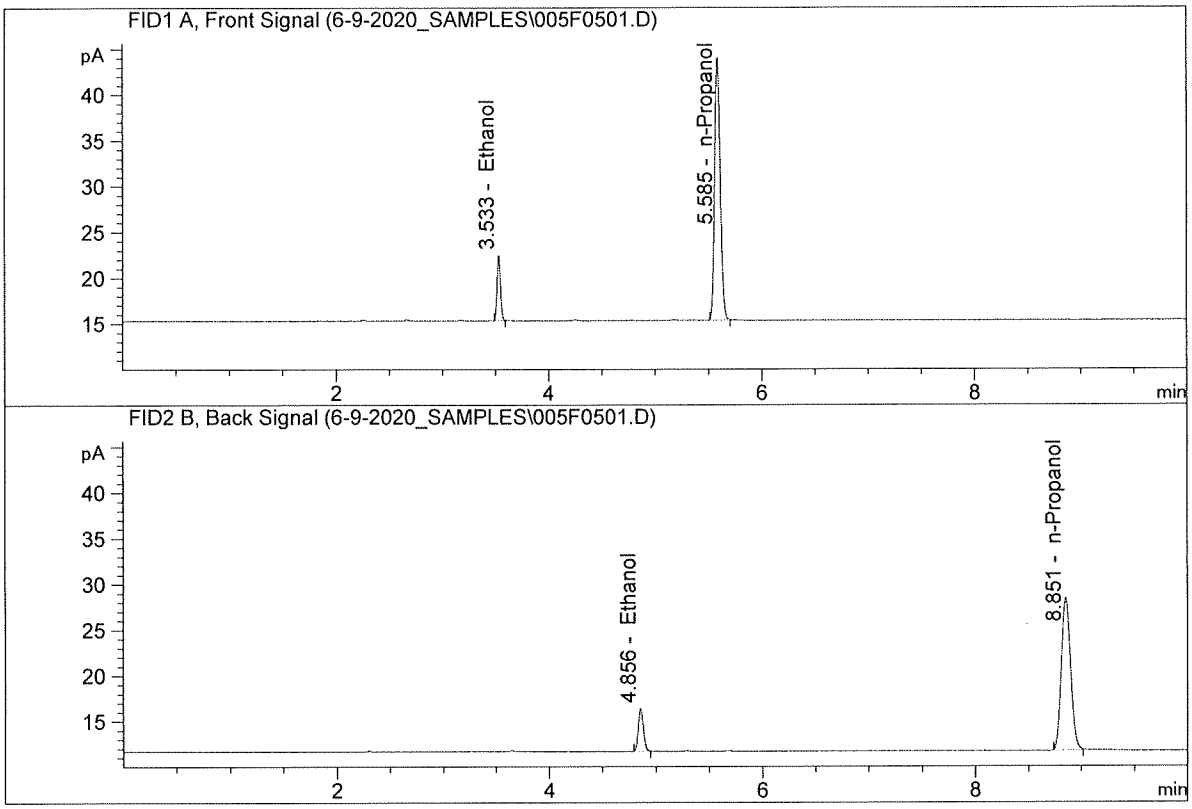
Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.56719	0.0809	g/100cc
2.	Ethanol	Column 2:	17.10105	0.0811	g/100cc
3.	n-Propanol	Column 1:	117.07413	1.0000	g/100cc
4.	n-Propanol	Column 2:	113.15607	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.12158	0.0829	g/100cc
2.	Ethanol	Column 2:	15.71532	0.0834	g/100cc
3.	n-Propanol	Column 1:	104.85033	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.08231	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA **Analysis Date(s): 09 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0798	0.0803	0.0005	0.0800	0.0001	0.0801
(g/100cc)	0.0798	0.0805	0.0007	0.0801		

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**

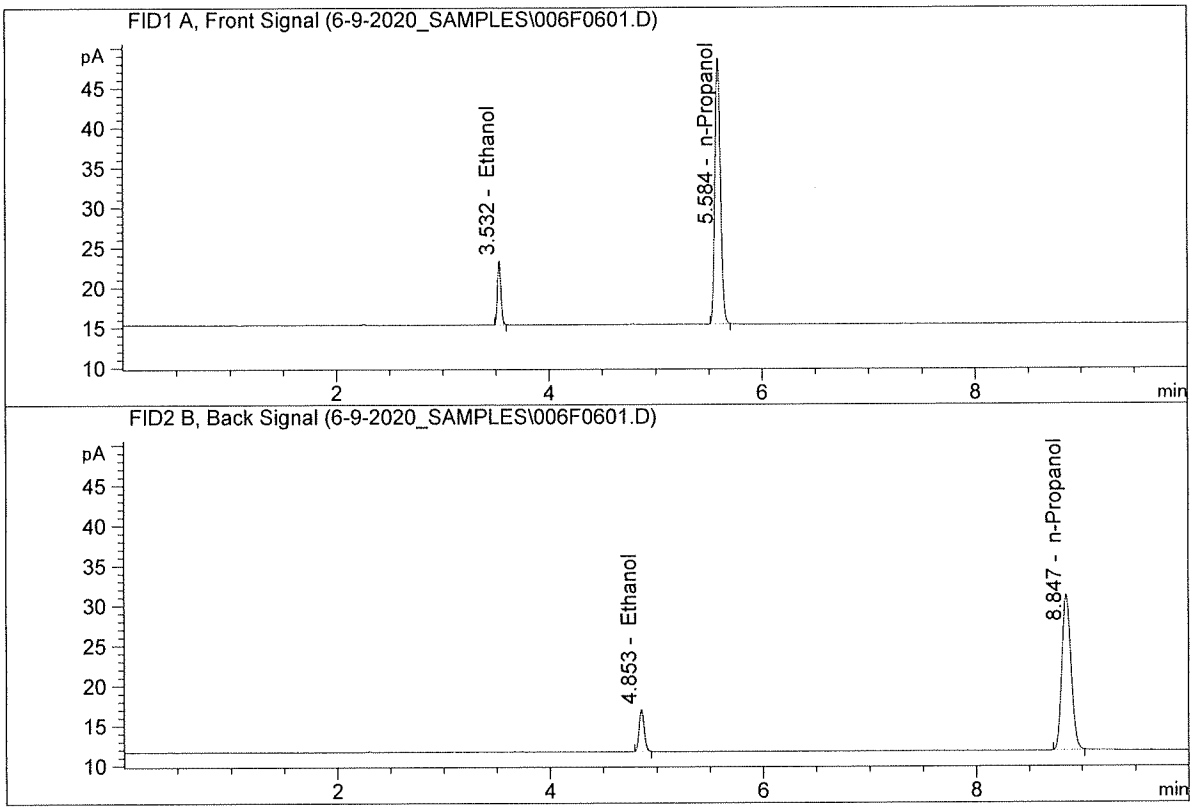
Reported Result

0.080

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

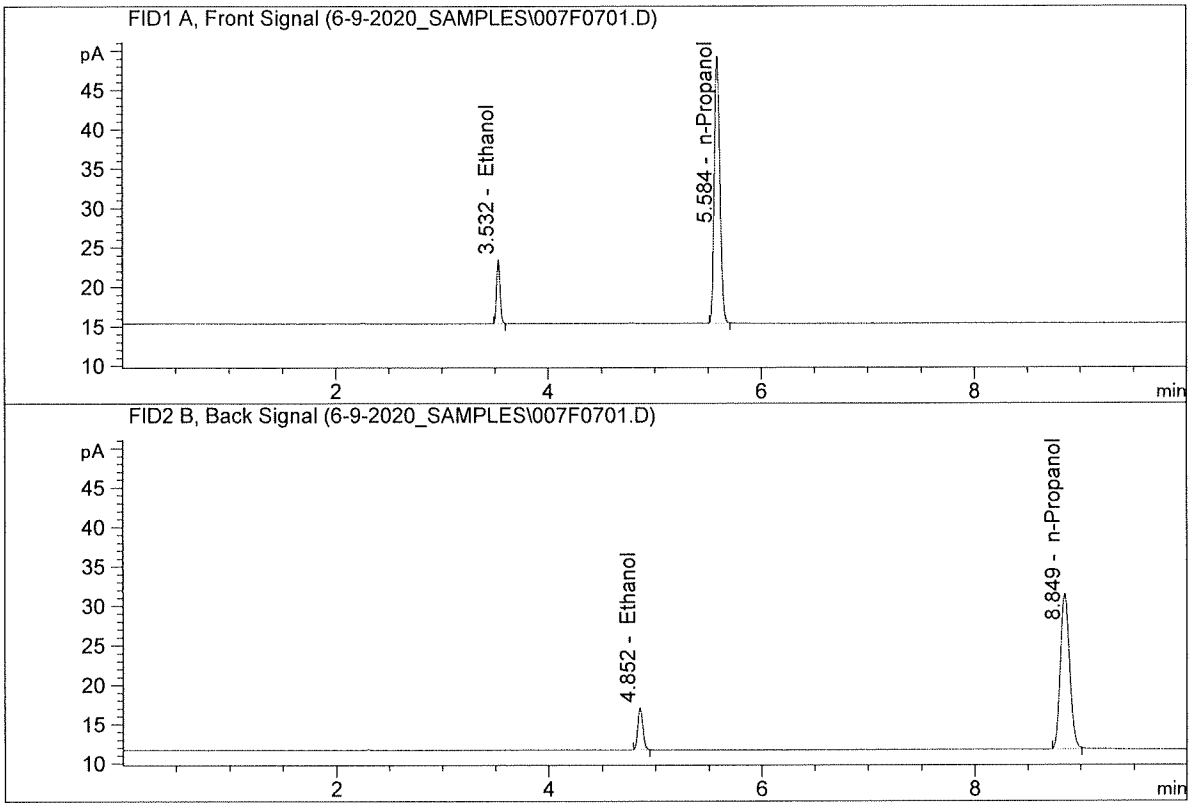
Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.01051	0.0798	g/100cc
2.	Ethanol	Column 2:	17.55134	0.0803	g/100cc
3.	n-Propanol	Column 1:	121.67624	1.0000	g/100cc
4.	n-Propanol	Column 2:	117.30827	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.35839	0.0798	g/100cc
2.	Ethanol	Column 2:	17.90080	0.0805	g/100cc
3.	n-Propanol	Column 1:	124.03156	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.32366	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 09 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1976	0.1981	0.0005	0.1978	0.0005	0.1976
(g/100cc)	0.1970	0.1977	0.0007	0.1973		

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
0.197	**0.187**	**0.207**	**0.010**

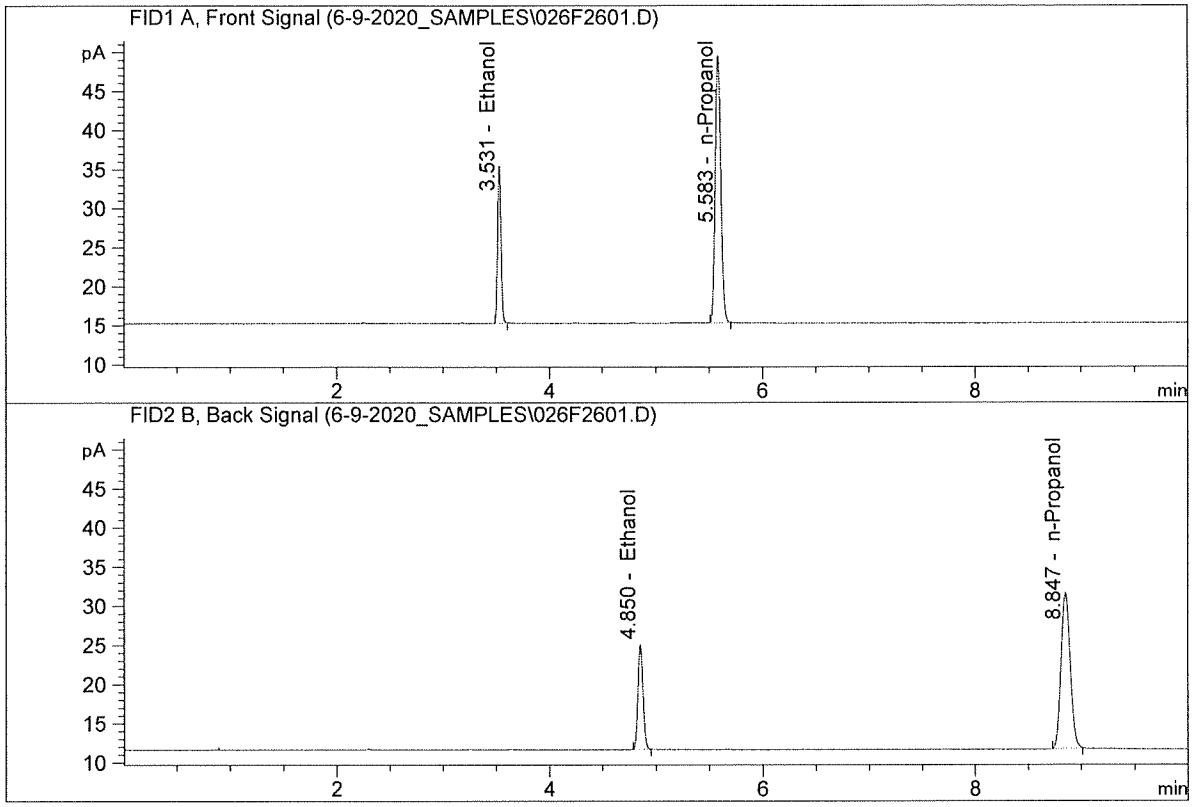
Reported Result

0.197

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

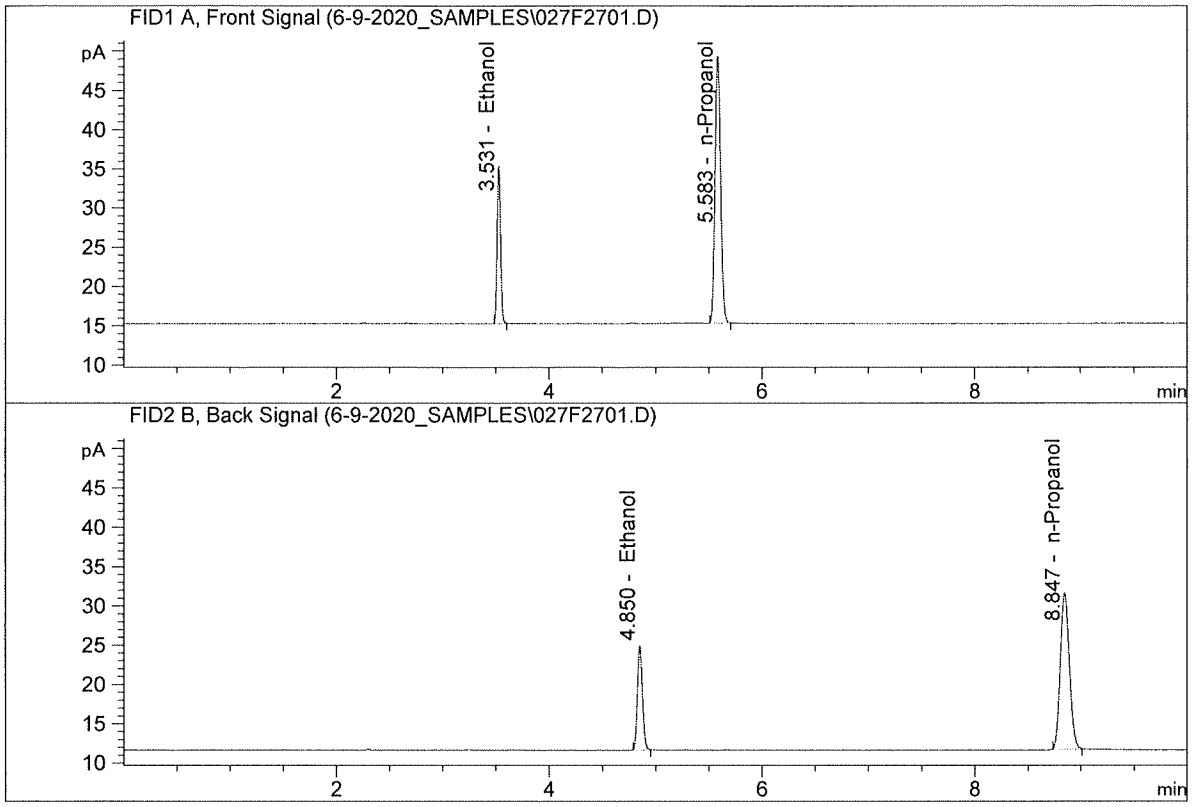
Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.89874	0.1976	g/100cc
2.	Ethanol	Column 2:	44.59109	0.1981	g/100cc
3.	n-Propanol	Column 1:	125.31037	1.0000	g/100cc
4.	n-Propanol	Column 2:	120.83639	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : Jun 9, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.53695	0.1970	g/100cc
2.	Ethanol	Column 2:	44.13891	0.1977	g/100cc
3.	n-Propanol	Column 1:	124.71265	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.81674	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 10 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0787	0.0794	0.0007	0.0790	0.0001	0.0790
(g/100cc)	0.0786	0.0793	0.0007	0.0789		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument information is stored centrally.*

Refer to Instrument Method: Alcohol.m

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

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

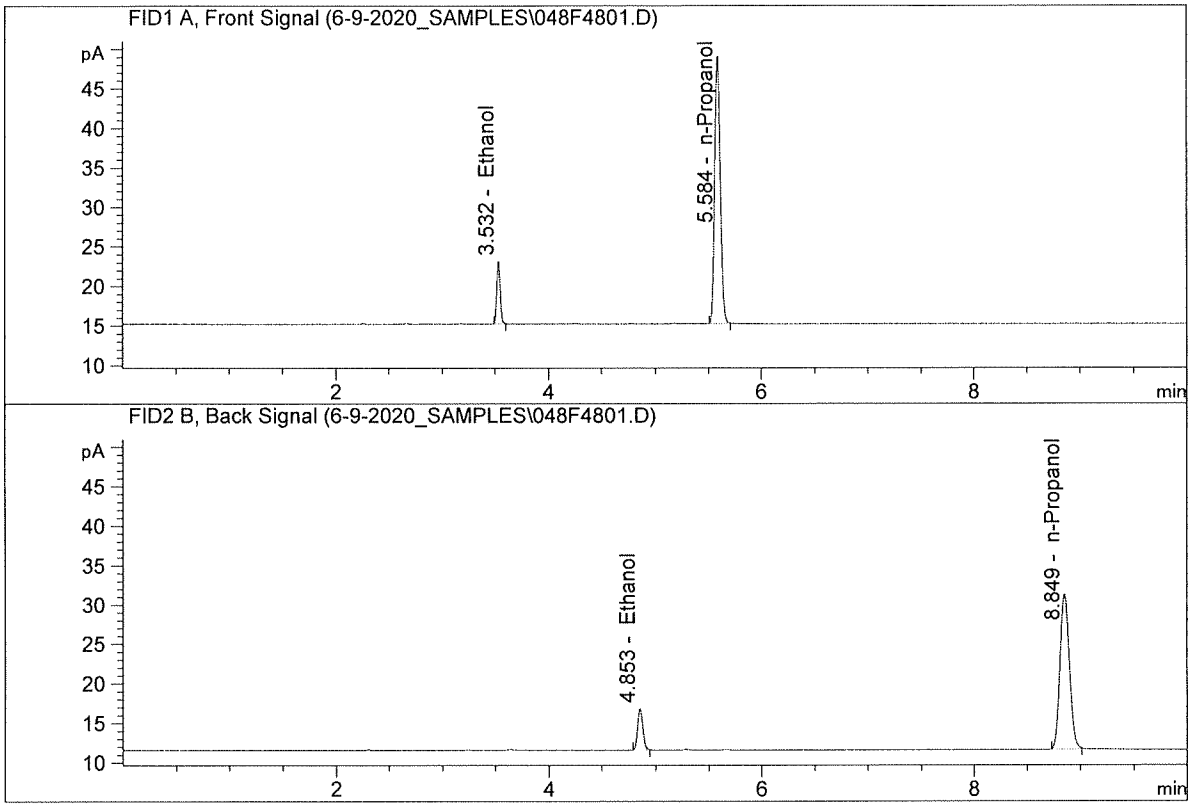
Reported Result

0.079

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

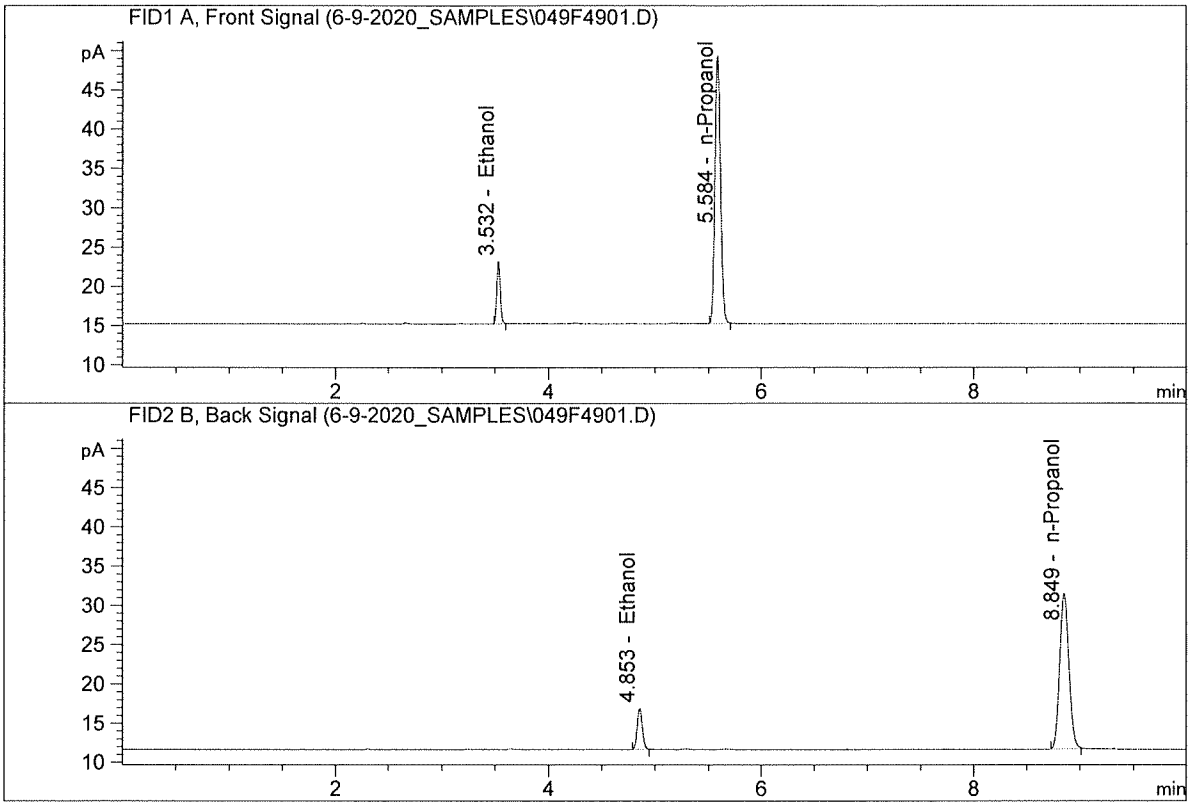
Sample Name : QC1-2-A
Laboratory : Pocatello
Injection Date : Jun 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.05210	0.0787	g/100cc
2.	Ethanol	Column 2:	17.59990	0.0794	g/100cc
3.	n-Propanol	Column 1:	123.70412	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.03799	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Pocatello
Injection Date : Jun 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.15055	0.0786	g/100cc
2.	Ethanol	Column 2:	17.68089	0.0793	g/100cc
3.	n-Propanol	Column 1:	124.59064	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.74031	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 10 Jun 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2000	0.2005	0.0005	0.2002	0.0011	0.1996
(g/100cc)	0.1986	0.1996	0.0010	0.1991		

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
0.199	0.189	0.209	0.010

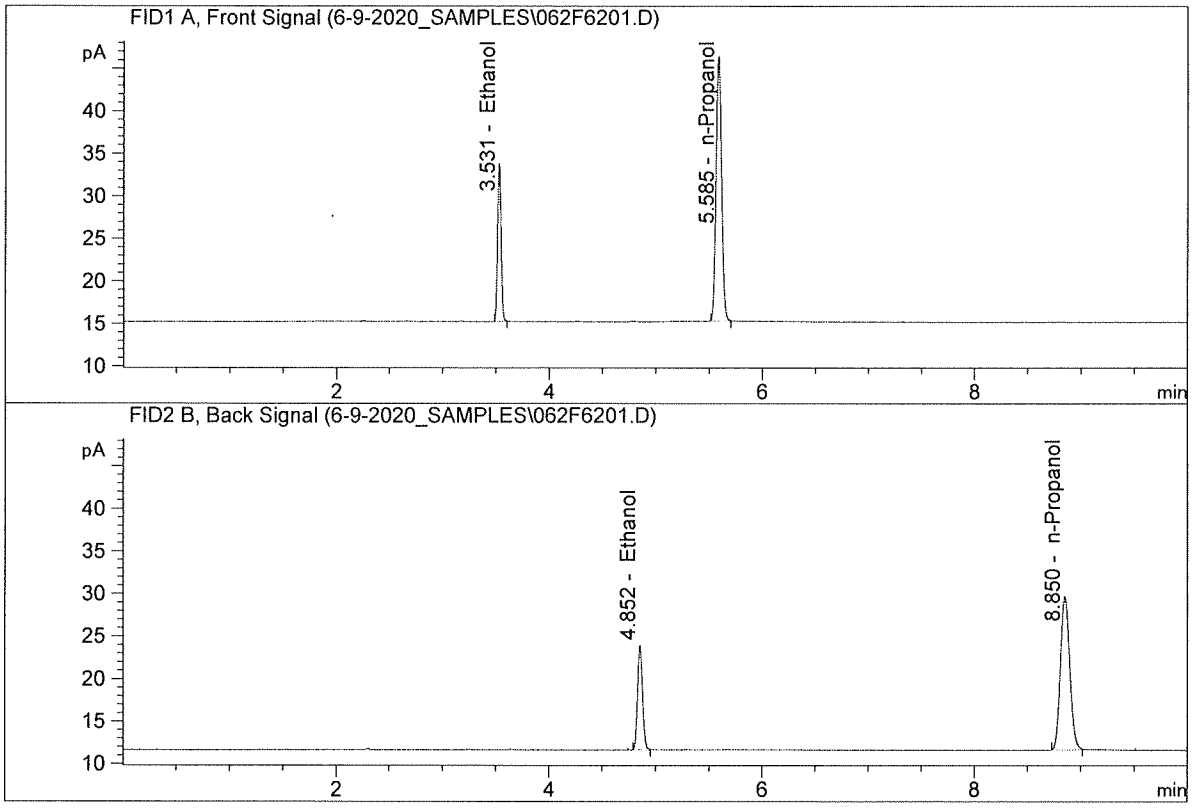
Reported Result

0.199

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

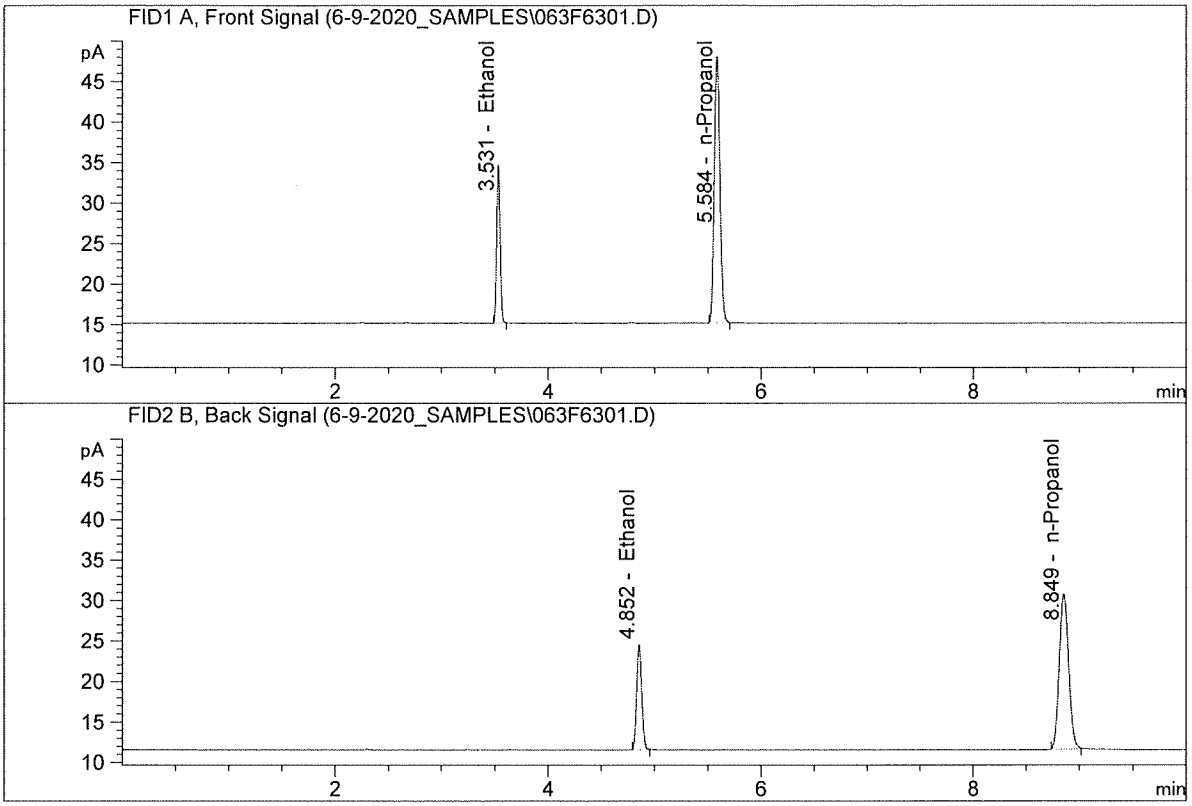
Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : Jun 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.18517	0.2000	g/100cc
2.	Ethanol	Column 2:	40.96101	0.2005	g/100cc
3.	n-Propanol	Column 1:	113.77457	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.65372	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

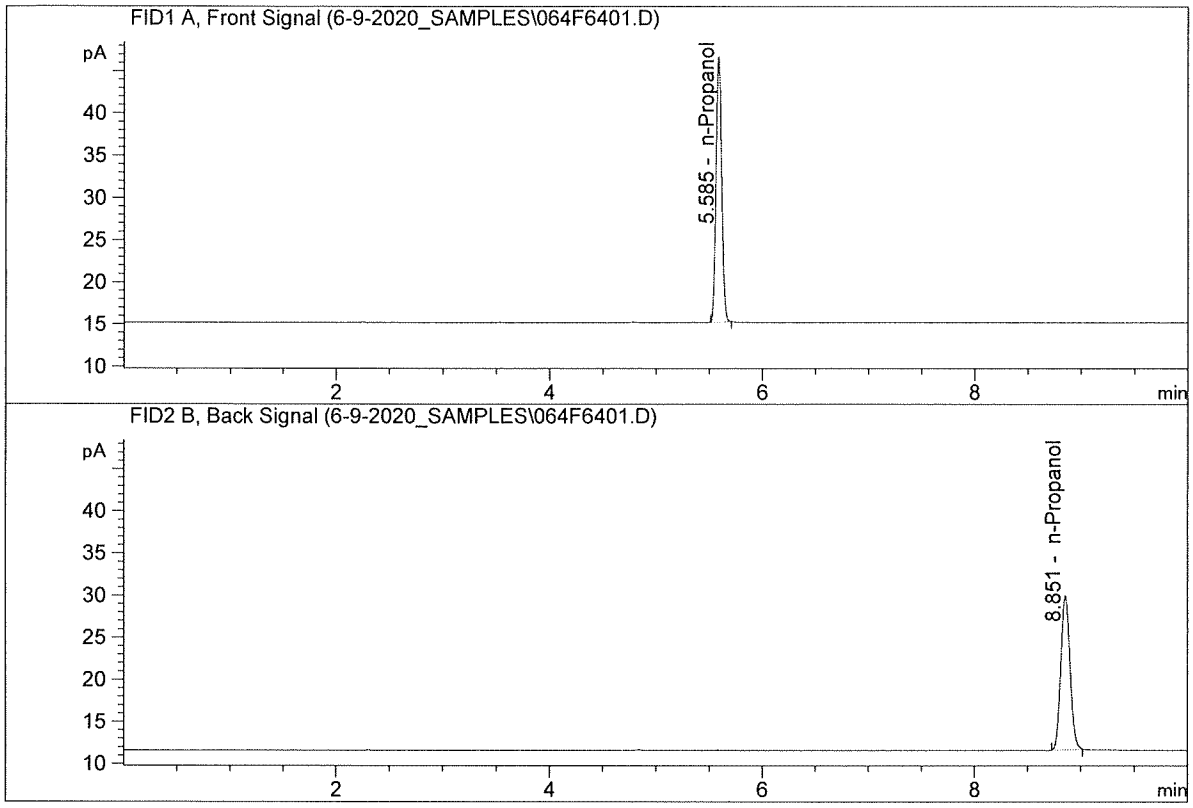
Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : Jun 10, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.48318	0.1986	g/100cc
2.	Ethanol	Column 2:	43.27641	0.1996	g/100cc
3.	n-Propanol	Column 1:	120.82657	1.0000	g/100cc
4.	n-Propanol	Column 2:	116.39134	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 3
Laboratory : Pocatello
Injection Date : Jun 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:	115.37788	1.0000	g/100cc
4.	n-Propanol	Column 2:	111.13134	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.06.2020_04.26.59\6-9-2020SAMPLES.S
Data directory path: C:\Chem32\1\Data\6-9-2020_SAMPLES
Logbook: C:\Chem32\1\Data\6-9-2020_SAMPLES\6-9-2020SAMPLES.LOG
Sequence start: 6/9/2020 4:40:49 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	INT STD 1	-	1.0000	001F0101.D	2
2	2	1	MULTI-COMP MIX	-	1.0000	002F0201.D	12
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	M2020-1571-1-A	-	1.0000	008F0801.D	6
9	9	1	M2020-1571-1-B	-	1.0000	009F0901.D	6
10	10	1	M2020-1620-1-A	-	1.0000	010F1001.D	2
11	11	1	M2020-1620-1-B	-	1.0000	011F1101.D	2
12	12	1	P2020-1413-1-A	-	1.0000	012F1201.D	6
13	13	1	P2020-1413-1-B	-	1.0000	013F1301.D	6
14	14	1	P2020-1418-1-A	-	1.0000	014F1401.D	6
15	15	1	P2020-1418-1-B	-	1.0000	015F1501.D	6
16	16	1	P2020-1422-1-A	-	1.0000	016F1601.D	6
17	17	1	P2020-1422-1-B	-	1.0000	017F1701.D	6
18	18	1	P2020-1434-1-A	-	1.0000	018F1801.D	6
19	19	1	P2020-1434-1-B	-	1.0000	019F1901.D	6
20	20	1	P2020-1440-1-A	-	1.0000	020F2001.D	2
21	21	1	P2020-1440-1-B	-	1.0000	021F2101.D	2
22	22	1	P2020-1452-1-A	-	1.0000	022F2201.D	6
23	23	1	P2020-1452-1-B	-	1.0000	023F2301.D	6
24	24	1	P2020-1454-1-A	-	1.0000	024F2401.D	2
25	25	1	P2020-1454-1-B	-	1.0000	025F2501.D	2
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	P2020-1464-1-A	-	1.0000	028F2801.D	2
29	29	1	P2020-1464-1-B	-	1.0000	029F2901.D	2
30	30	1	P2020-1470-1-A	-	1.0000	030F3001.D	2
31	31	1	P2020-1470-1-B	-	1.0000	031F3101.D	2
32	32	1	P2020-1489-2-A	-	1.0000	032F3201.D	6
33	33	1	P2020-1489-2-B	-	1.0000	033F3301.D	6
34	34	1	P2020-1500-1-A	-	1.0000	034F3401.D	6
35	35	1	P2020-1500-1-B	-	1.0000	035F3501.D	6
36	36	1	P2020-1518-1-A	-	1.0000	036F3601.D	5
37	37	1	P2020-1518-1-B	-	1.0000	037F3701.D	6
38	38	1	P2020-1519-1-A	-	1.0000	038F3801.D	6
39	39	1	P2020-1519-1-B	-	1.0000	039F3901.D	6
40	40	1	P2020-1524-1-A	-	1.0000	040F4001.D	2
41	41	1	P2020-1524-1-B	-	1.0000	041F4101.D	2
42	42	1	P2020-1527-1-A	-	1.0000	042F4201.D	2
43	43	1	P2020-1527-1-B	-	1.0000	043F4301.D	2
44	44	1	P2020-1537-1-A	-	1.0000	044F4401.D	6
45	45	1	P2020-1537-1-B	-	1.0000	045F4501.D	6
46	46	1	P2020-1564-1-A	-	1.0000	046F4601.D	2

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.06.2020_04.26.59\6-9-2020SAMPLES.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	P2020-1564-1-B	-	1.0000	047F4701.D		2
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	P2020-1564-2-A	-	1.0000	050F5001.D		2
51	51	1	P2020-1564-2-B	-	1.0000	051F5101.D		2
52	52	1	P2020-1565-1-A	-	1.0000	052F5201.D		6
53	53	1	P2020-1565-1-B	-	1.0000	053F5301.D		6
54	54	1	P2020-1566-1-A	-	1.0000	054F5401.D		2
55	55	1	P2020-1566-1-B	-	1.0000	055F5501.D		2
56	56	1	P2020-1587-1-A	-	1.0000	056F5601.D		6
57	57	1	P2020-1587-1-B	-	1.0000	057F5701.D		6
58	58	1	P2020-1603-1-A	-	1.0000	058F5801.D		6
59	59	1	P2020-1603-1-B	-	1.0000	059F5901.D		6
60	60	1	P2020-1626-1-A	-	1.0000	060F6001.D		2
61	61	1	P2020-1626-1-B	-	1.0000	061F6101.D		2
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	INT STD 3	-	1.0000	064F6401.D		2