5/10/2019

Worklist: 3384

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
P2019-1226	1	149170	Alcohol Analysis
P2019-1231	1	149369	Alcohol Analysis
P2019-1236	1	149545	Alcohol Analysis
P2019-1237	1	149546	Alcohol Analysis
P2019-1238	1	149547	Alcohol Analysis
P2019-1270	1	149769	Alcohol Analysis
P2019-1271	1	149770	Alcohol Analysis
P2019-1272	1	149771	Alcohol Analysis
P2019-1285	1	149894	Alcohol Analysis
P2019-1287	1	149938	Alcohol Analysis
P2019-1288	1	149939	Alcohol Analysis
P2019-1302	1	150125	Alcohol Analysis
P2019-1304	1	150127	Alcohol Analysis
P2019-1319	1	150437	Alcohol Analysis
P2019-1328	1	150547	Alcohol Analysis
P2019-1366	1	150659	Alcohol Analysis
P2019-1367	1	150663	Alcohol Analysis
P2019-1369	1	150672	Alcohol Analysis
P2019-1370	1	150673	Alcohol Analysis
P2019-1379	1	150710	Alcohol Analysis
P2019-1394	1	150858	Alcohol Analysis
P2019-1411	1	151036	Alcohol Analysis
P2019-1420	1	151122	Alcohol Analysis

original review date 5-14-19

REVIEWED
By Jeremy Johnston at 9:47 am, May 20, 2019

original review date 5-14-19 JJ

REVIEWED
By Jeremy Johnston at 9:48 am, May 20, 2019

Worklist: 3384

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
P2019-1420	3	151126	Alcohol Analysis

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 5/9/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731 - 0.0893	0.0760 g/100cc
					0.0788 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832 - 0.2238	0.1948 g/100cc
					0.2001 g/100cc
					g/100cc
Multi-Component mixture:			**Lot #**	11918	
Curve Fit:		**Column 1**	0.99994	**Column2**	0.99996

Ethanol Calibration Reference Material

Calibrator level	Target Value	Acceptable Range	Column 1	Column 2	Precision	Mean
50	0.050	0.045 - 0.055	0.0474	0.0478	0.0004	0.0476
100	0.100	0.090 - 0.110	0.0969	0.0969	0	0.0969
200	0.200	0.180 - 0.220	0.2047	0.2023	0.0024	0.2035
300	0.300	0.270 - 0.330	0.2972	0.2970	0.0002	0.3
500	0.500	0.450 - 0.550	0.5007	0.5017	0.001	0.5012

Aqueous Controls

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

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, May 09, 2019 2:09:31 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

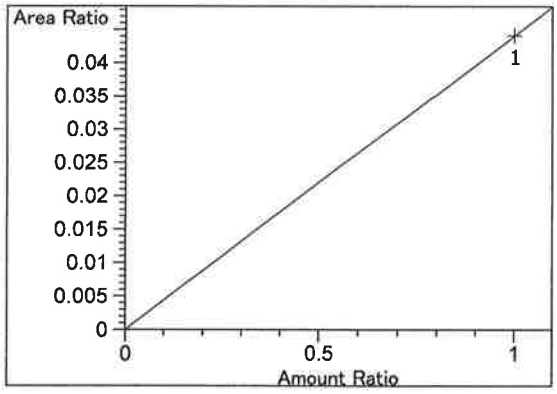
Overview Table

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
3.320	1	1	5.00000e-2	11.24877	4.44493e-3	No	No	1	Ethanol
		2	1.00000e-1	22.82763	4.38066e-3				
		3	2.00000e-1	22.13303	9.03627e-3				
		4	3.00000e-1	71.04272	4.22281e-3				
		5	5.00000e-1	119.73388	4.17593e-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
4.341	2	1	5.00000e-2	11.09474	4.50664e-3	No	No	2	Ethanol
		2	1.00000e-1	22.28437	4.48745e-3				
		3	2.00000e-1	21.33022	9.37637e-3				
		4	3.00000e-1	68.97616	4.34933e-3				
		5	5.00000e-1	115.90552	4.31386e-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
5.263	1	1	1.00000	146.66504	6.81826e-3	No	Yes	1	n-Propanol
		2	1.00000	145.49428	6.87312e-3				
		3	1.00000	66.79368	1.49715e-2				
		4	1.00000	147.64101	6.77319e-3				
		5	1.00000	147.72282	6.76943e-3				
		6	1.00000	111.45872	8.97193e-3				
7.659	2	1	1.00000	5.98700	1.67029e-1	No	No	2	Ethyl Acetate
7.805	2	1	1.00000	146.20476	6.83972e-3	No	Yes	2	n-Propanol
		2	1.00000	144.96567	6.89819e-3				
		3	1.00000	66.46363	1.50458e-2				
		4	1.00000	146.36444	6.83226e-3				
		5	1.00000	145.61508	6.86742e-3				
		6	1.00000	113.50471	8.81021e-3				
8.420	1	1	1.00000	5.56500	1.79695e-1	No	No	1	Ethyl Acetate
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

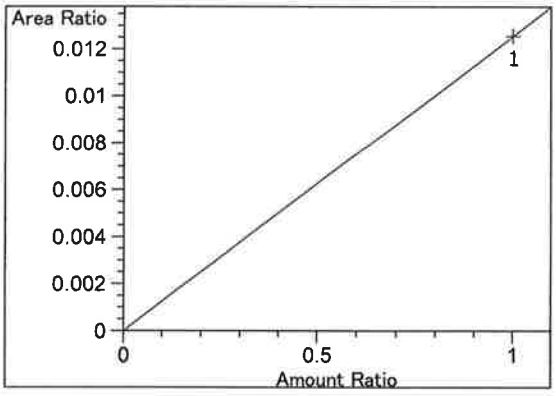
Peak Sum Table

No Entries in table

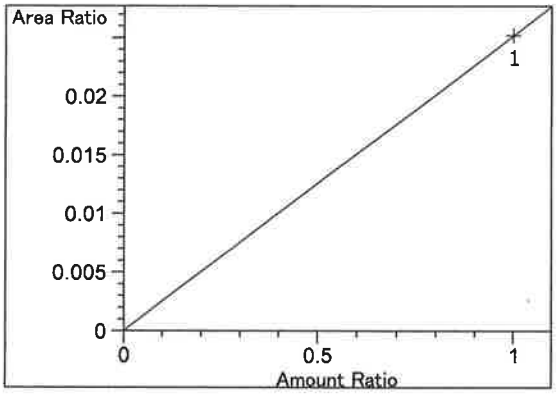
Calibration Curves



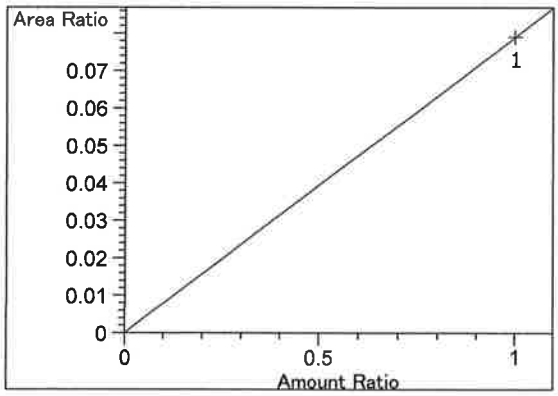
Fluorinated ethane at exp. RT: 2.311
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.41299e-2
x: Amount Ratio
y: Area Ratio



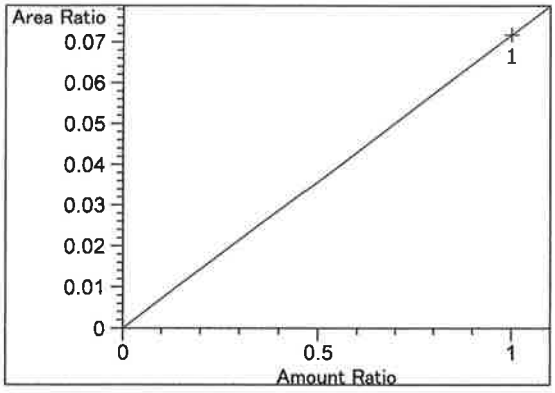
Fluorinated ethane at exp. RT: 2.365
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.25528e-2
x: Amount Ratio
y: Area Ratio



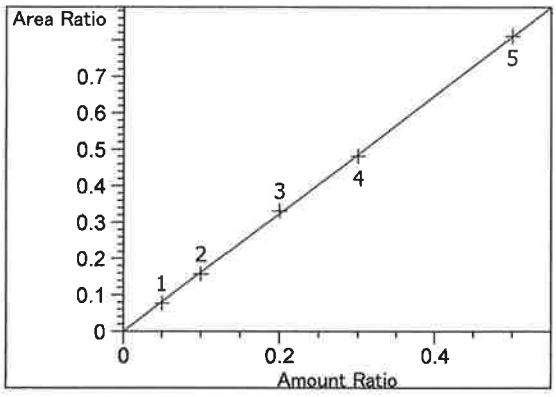
Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.52050e-2
x: Amount Ratio
y: Area Ratio



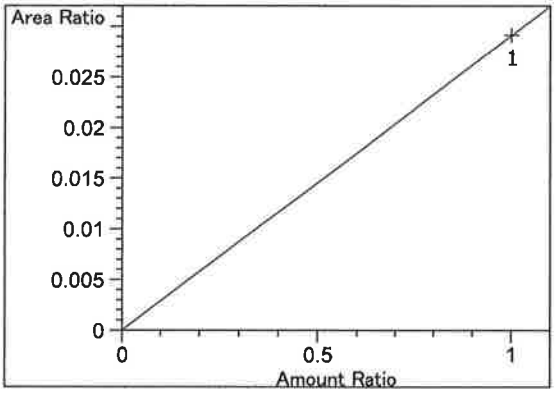
Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.89783e-2
x: Amount Ratio
y: Area Ratio



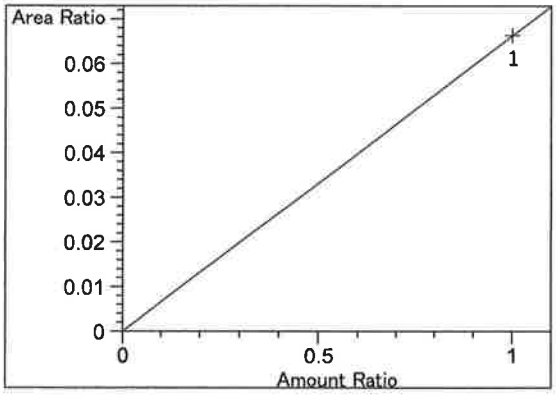
Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.17553e-2
x: Amount Ratio
y: Area Ratio



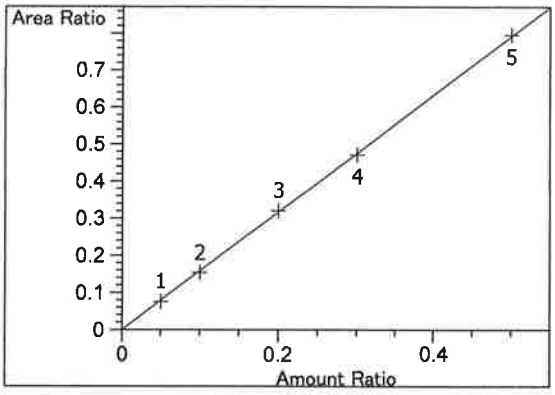
Ethanol at exp. RT: 3.320
FID1 A, Front Signal
Correlation: 0.99994
Residual Std. Dev.: 0.00552
Formula: y = mx
m: 1.61890
x: Amount Ratio
y: Area Ratio



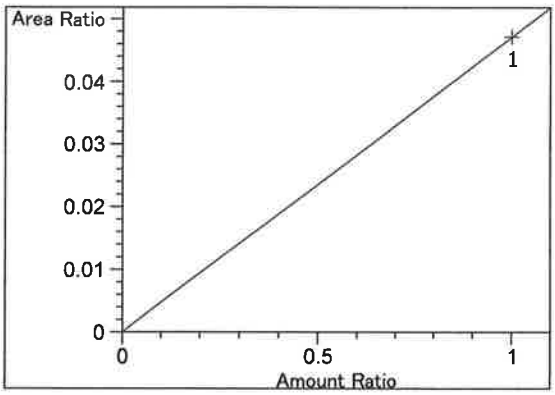
Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.91415e-2
x: Amount Ratio
y: Area Ratio



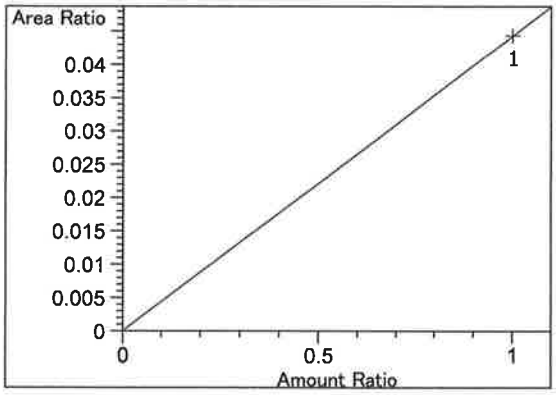
Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.63454e-2
x: Amount Ratio
y: Area Ratio



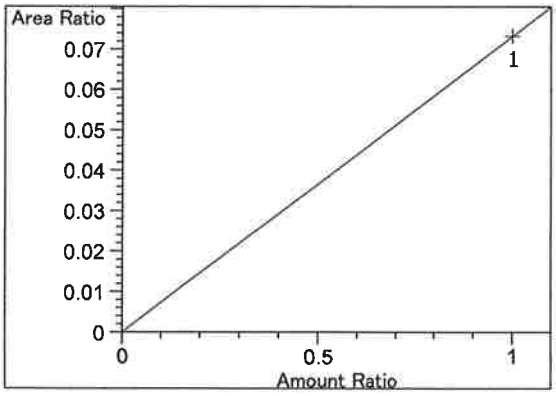
Ethanol at exp. RT: 4.341
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00444
Formula: y = mx
m: 1.58654
x: Amount Ratio
y: Area Ratio



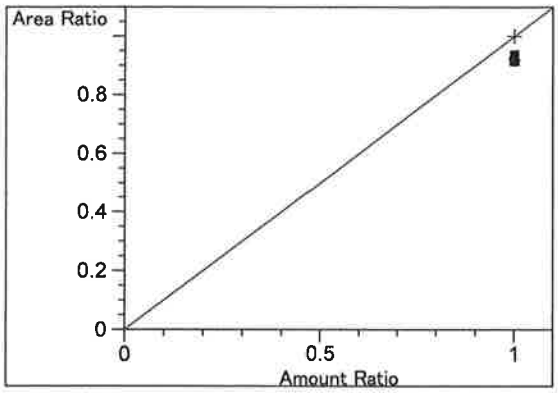
Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.71463e-2
x: Amount Ratio
y: Area Ratio



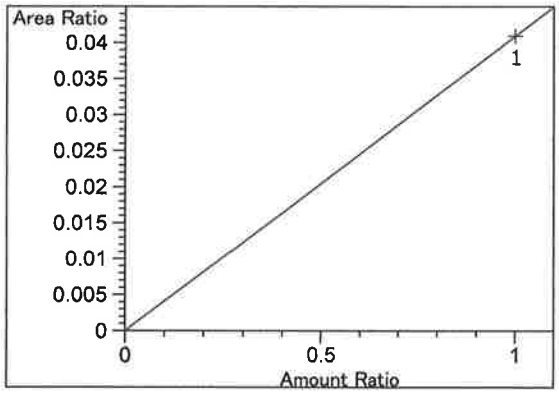
Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.43146e-2
x: Amount Ratio
y: Area Ratio



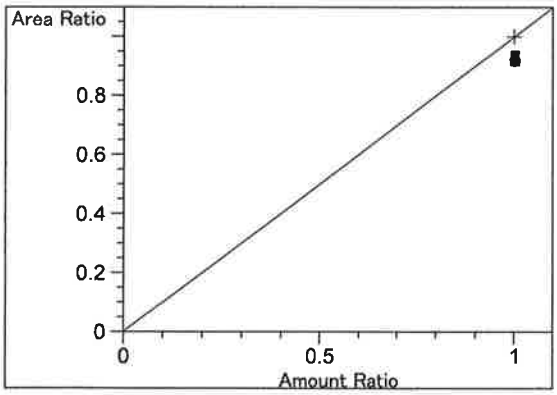
Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.32289e-2
x: Amount Ratio
y: Area Ratio



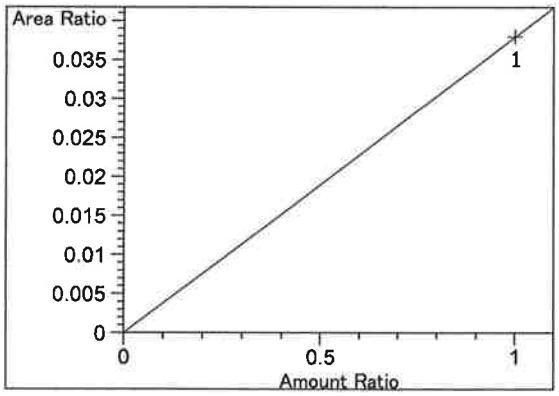
n-Propanol at exp. RT: 5.263
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



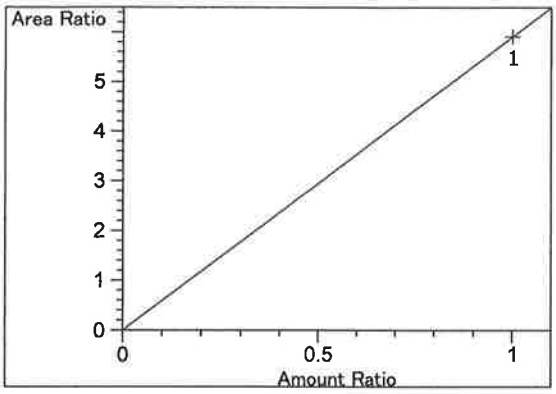
Ethyl Acetate at exp. RT: 7.659
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.09494e-2
x: Amount Ratio
y: Area Ratio



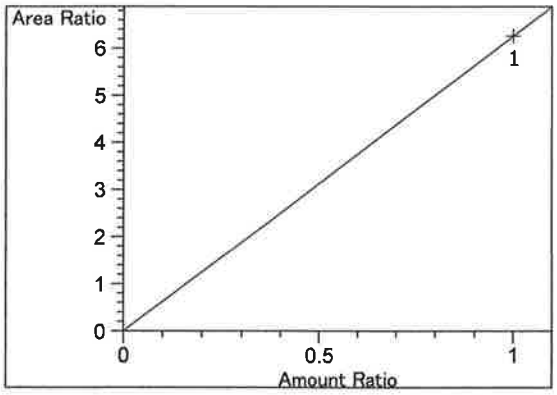
n-Propanol at exp. RT: 7.805
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



Ethyl Acetate at exp. RT: 8.420
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.79436e-2
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: 5.91528
x: Amount Ratio
y: Area Ratio

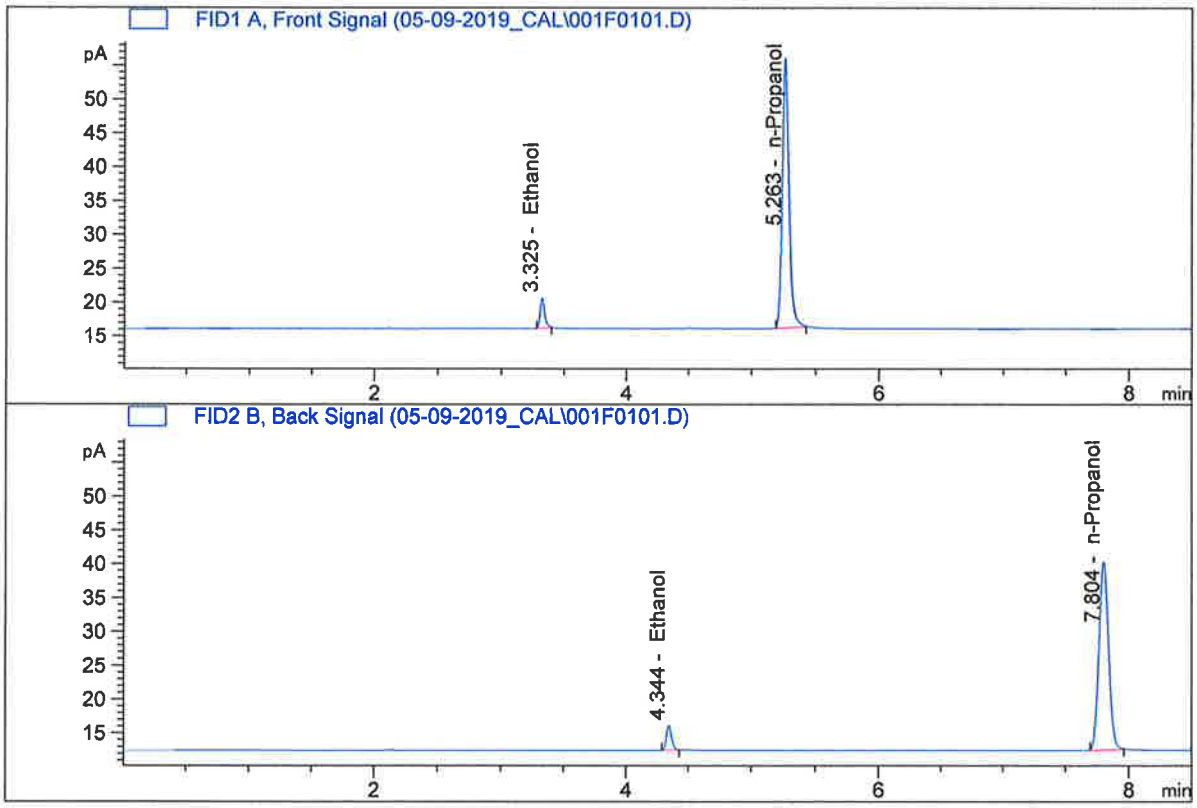


Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.26246
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

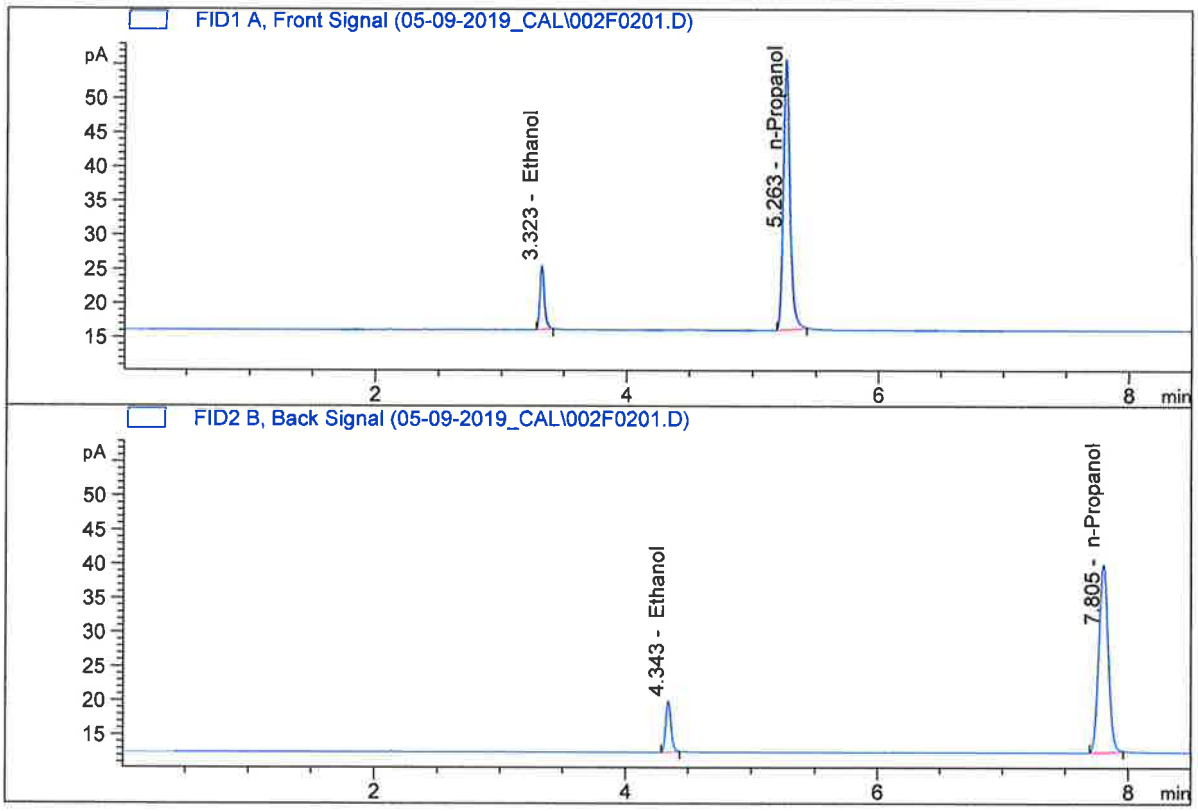
Sample Name : 0.050
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.24877	0.0474	g/100cc
2.	Ethanol	Column 2:	11.09474	0.0478	g/100cc
3.	n-Propanol	Column 1:	146.66504	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.20476	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

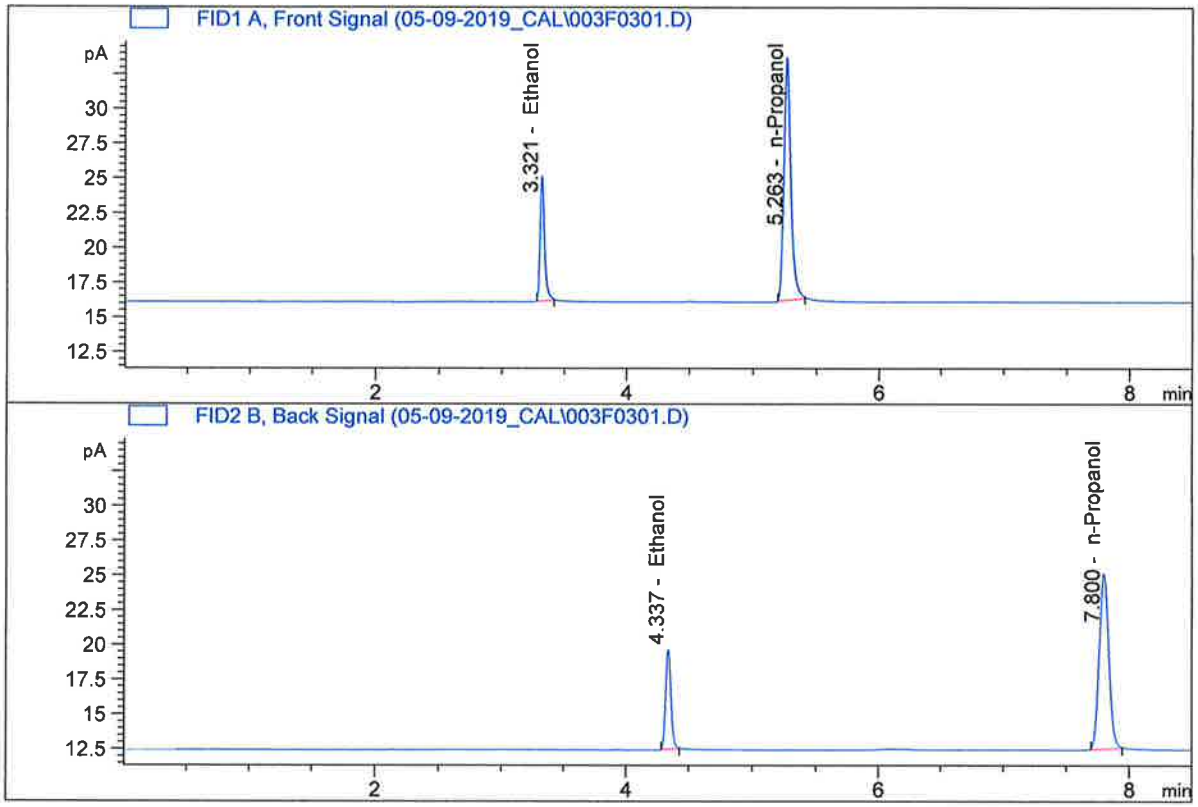
Sample Name : 0.100
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.82763	0.0969	g/100cc
2.	Ethanol	Column 2:	22.28437	0.0969	g/100cc
3.	n-Propanol	Column 1:	145.49428	1.0000	g/100cc
4.	n-Propanol	Column 2:	144.96567	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

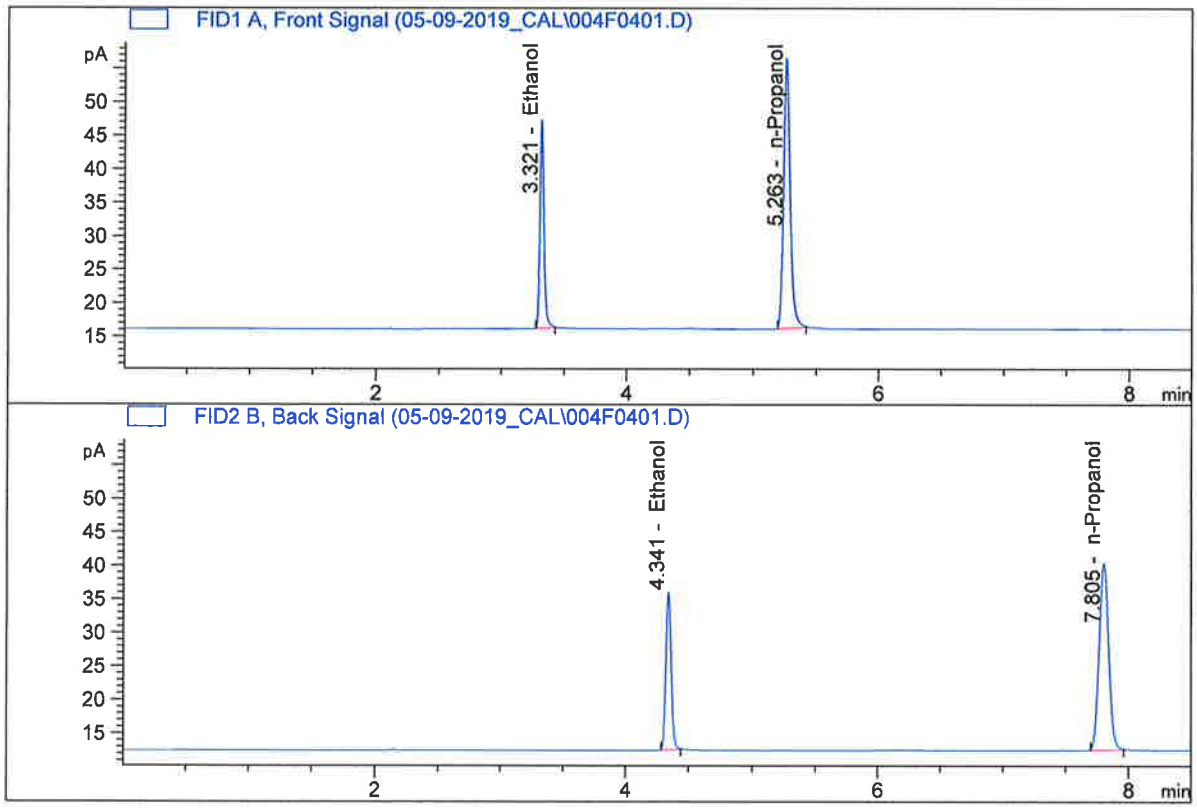
Sample Name : 0.200
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.13303	0.2047	g/100cc
2.	Ethanol	Column 2:	21.33022	0.2023	g/100cc
3.	n-Propanol	Column 1:	66.79368	1.0000	g/100cc
4.	n-Propanol	Column 2:	66.46363	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

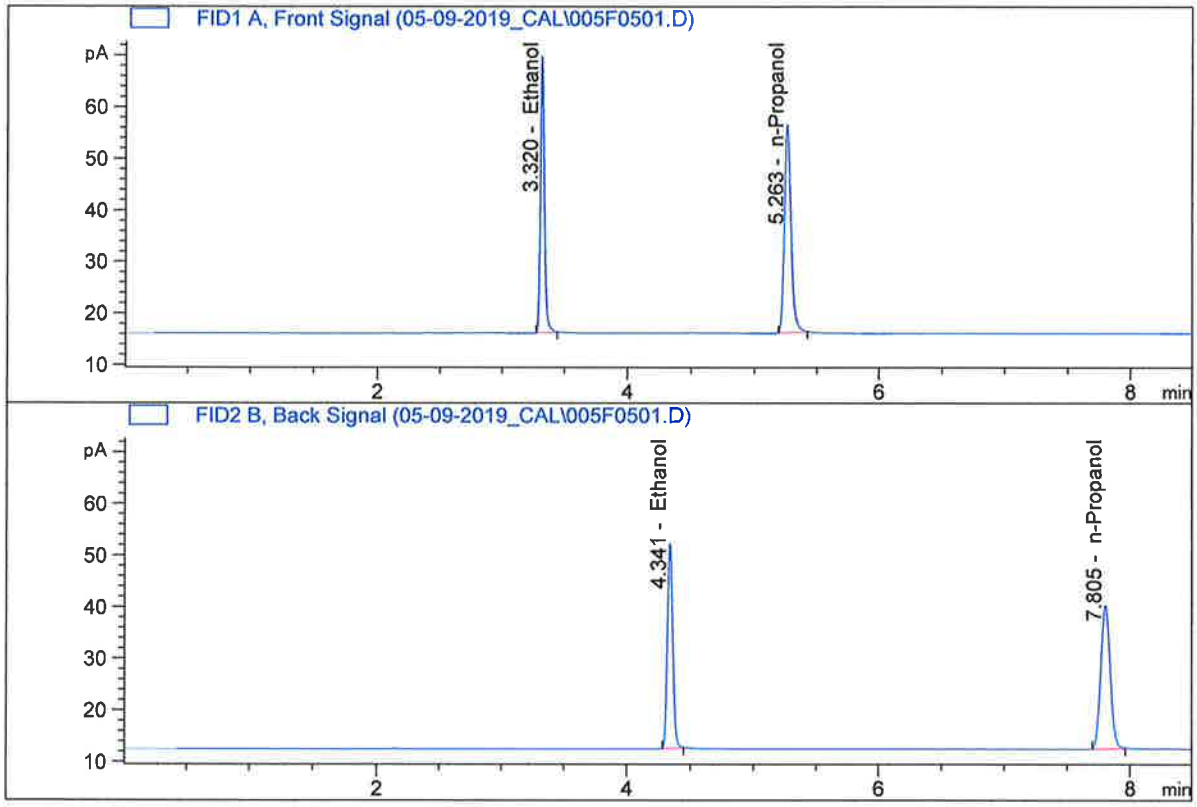
Sample Name : 0.300
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	71.04272	0.2972	g/100cc
2.	Ethanol	Column 2:	68.97616	0.2970	g/100cc
3.	n-Propanol	Column 1:	147.64101	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.36444	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

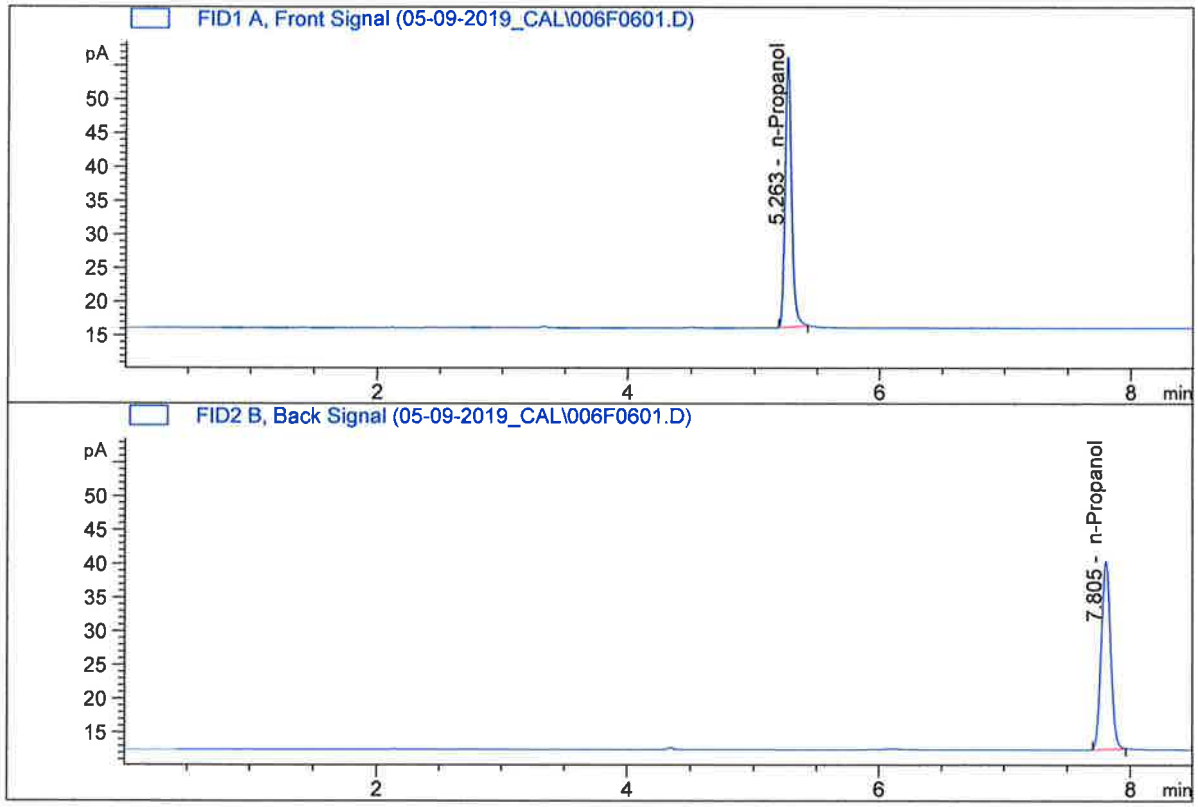
Sample Name : 0.500
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	119.73388	0.5007	g/100cc
2.	Ethanol	Column 2:	115.90552	0.5017	g/100cc
3.	n-Propanol	Column 1:	147.72282	1.0000	g/100cc
4.	n-Propanol	Column 2:	145.61508	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Pocatello
Injection Date : May 9, 2019
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:	146.49760	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.60574	1.0000	g/100cc

Sample Summary

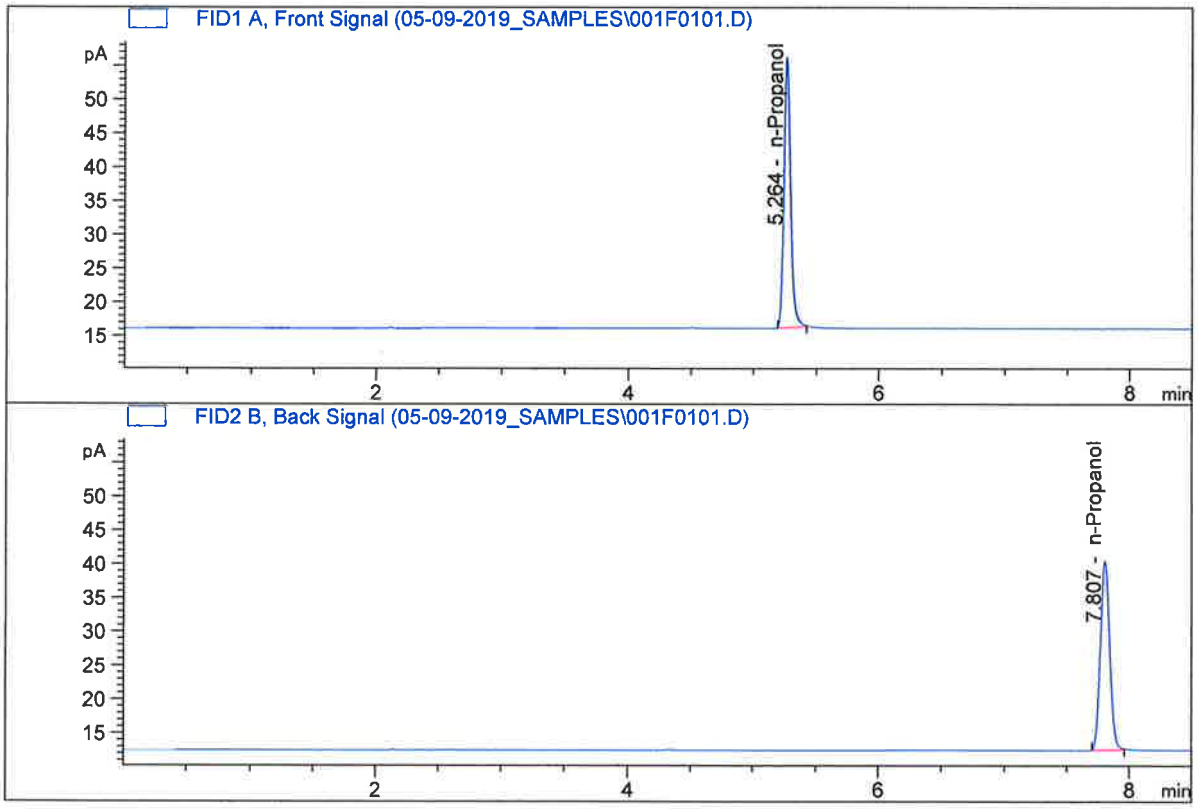
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.05.2019_12.45.04\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\05-09-2019_CAL
Logbook: C:\Chem32\1\Data\05-09-2019_CAL\MASTERCAL.LOG
Sequence start: 5/9/2019 12:58:50 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	ISTD BLANK-1	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

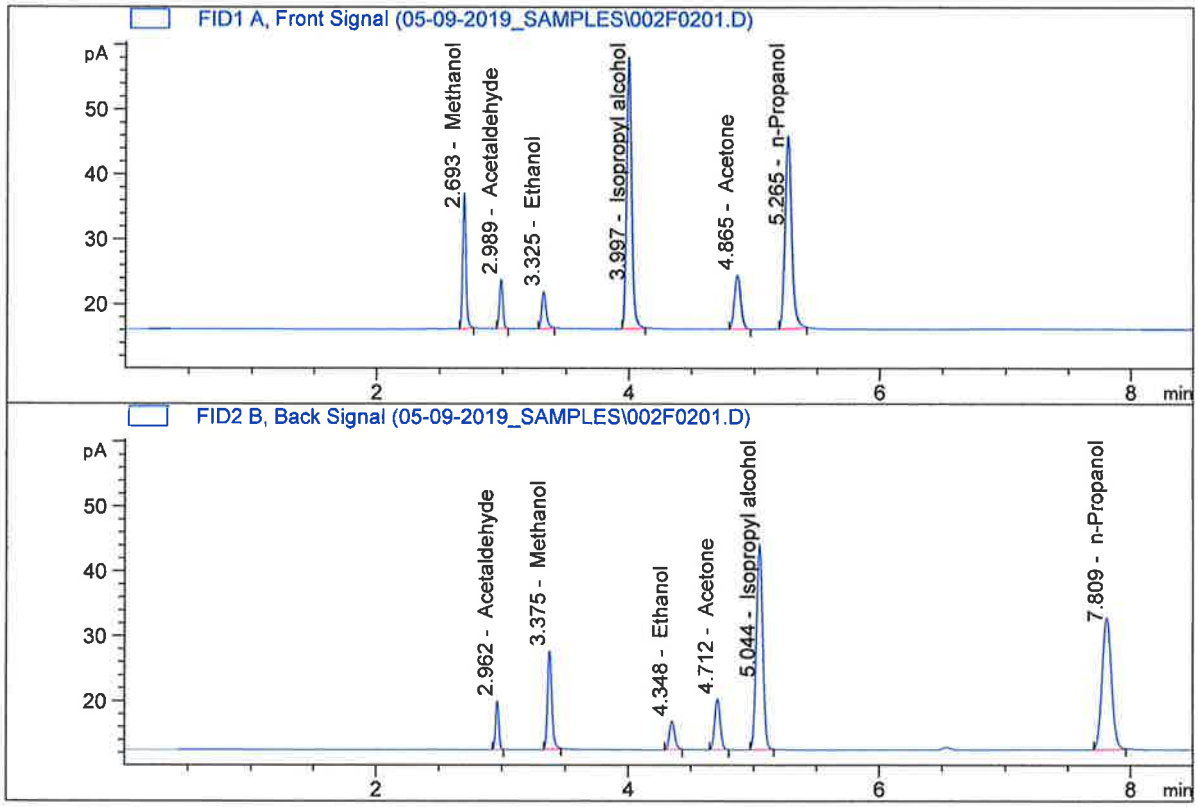
Sample Name : INTERNAL STD BLK
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	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:	145.90388	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.79453	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

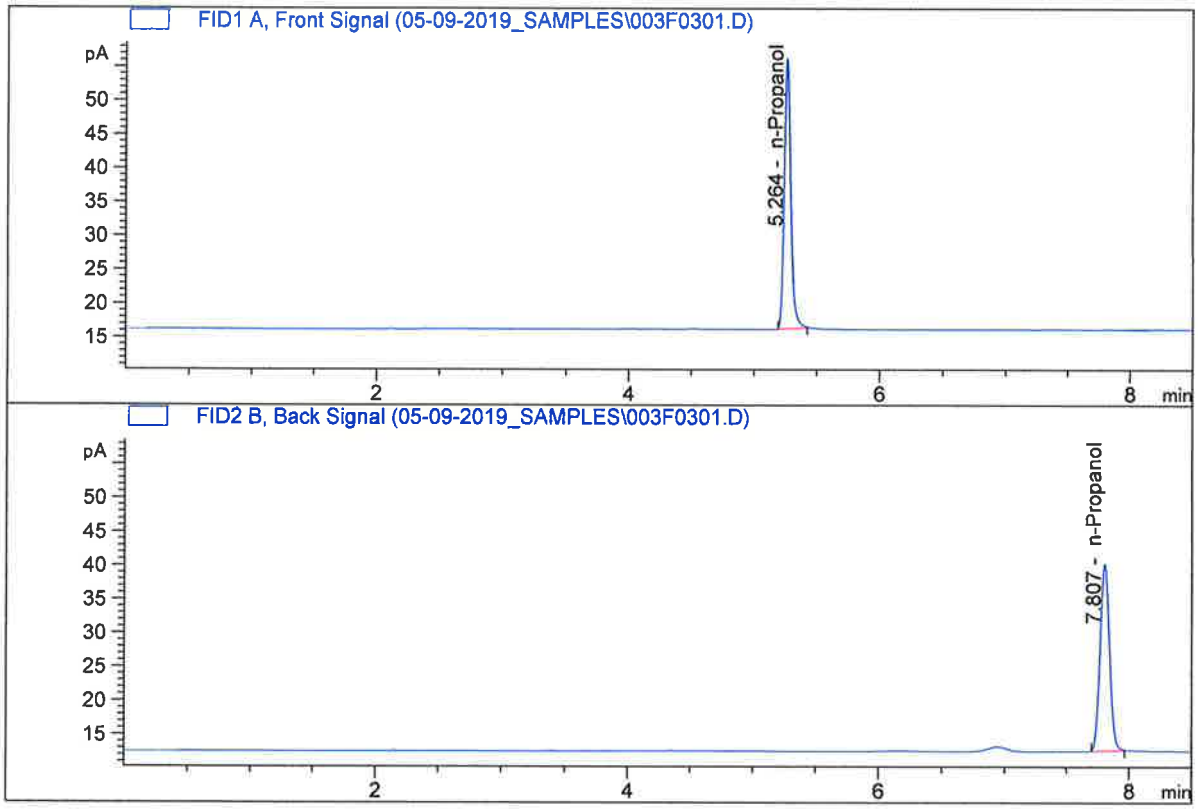
Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.89175	0.0789	g/100cc
2.	Ethanol	Column 2:	13.16938	0.0773	g/100cc
3.	n-Propanol	Column 1:	108.73438	1.0000	g/100cc
4.	n-Propanol	Column 2:	107.37960	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD
Laboratory : Pocatello
Injection Date : May 9, 2019
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:	145.98753	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.11816	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 09 May 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0763	0.0761	0.0002	0.0762	0.0760	
(g/100cc)	0.0761	0.0758	0.0003	0.0759		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

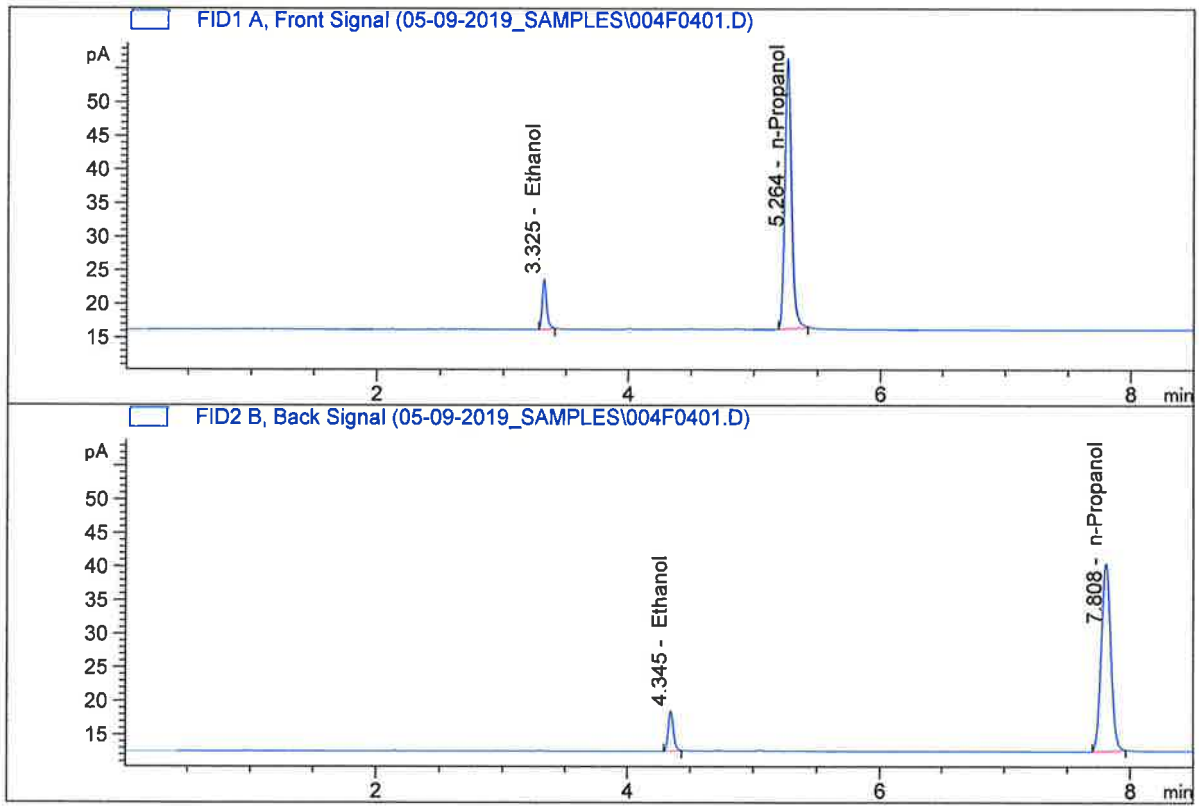
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	0.072	0.080	0.004

Reported Result
0.076

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

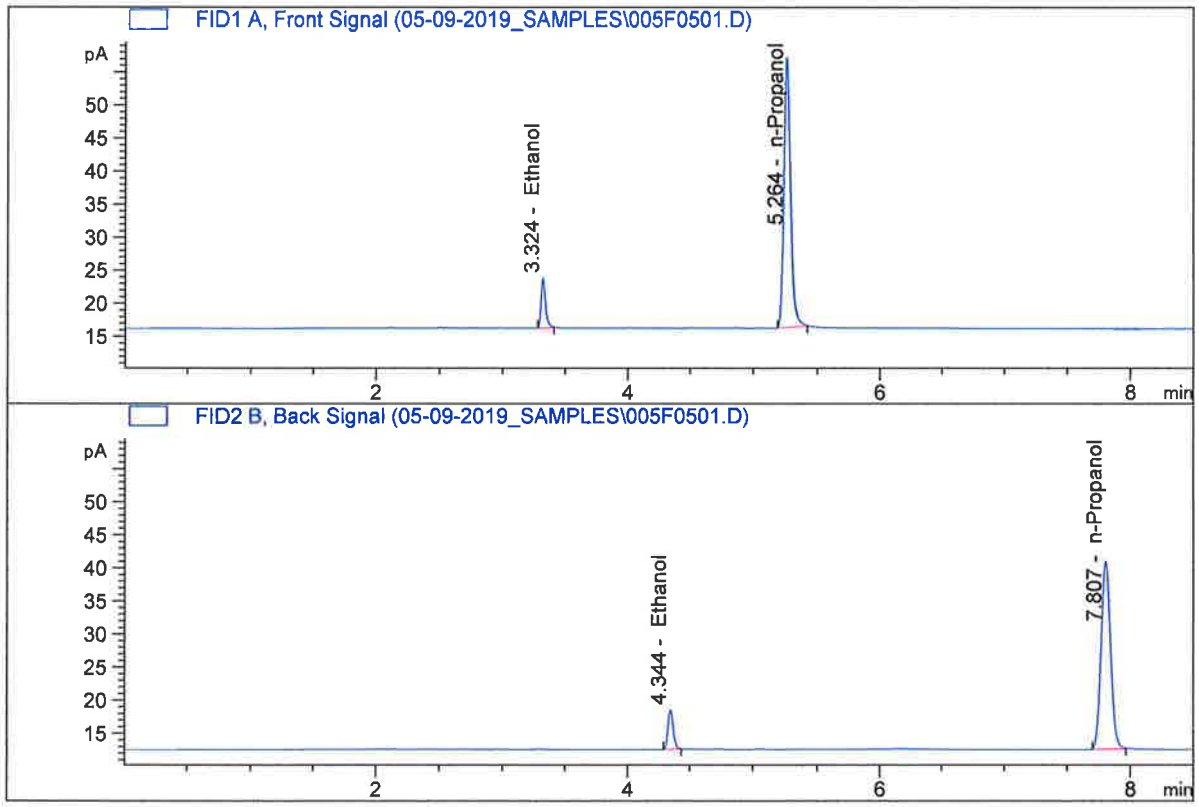
Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.16165	0.0763	g/100cc
2.	Ethanol	Column 2:	17.74346	0.0761	g/100cc
3.	n-Propanol	Column 1:	146.94667	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.90883	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.38273	0.0761	g/100cc
2.	Ethanol	Column 2:	17.93453	0.0758	g/100cc
3.	n-Propanol	Column 1:	149.19562	1.0000	g/100cc
4.	n-Propanol	Column 2:	149.03976	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA **Analysis Date(s): 09 May 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0772	0.0774	0.0002	0.0773	0.0771	
(g/100cc)	0.0770	0.0771	0.0001	0.0770		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

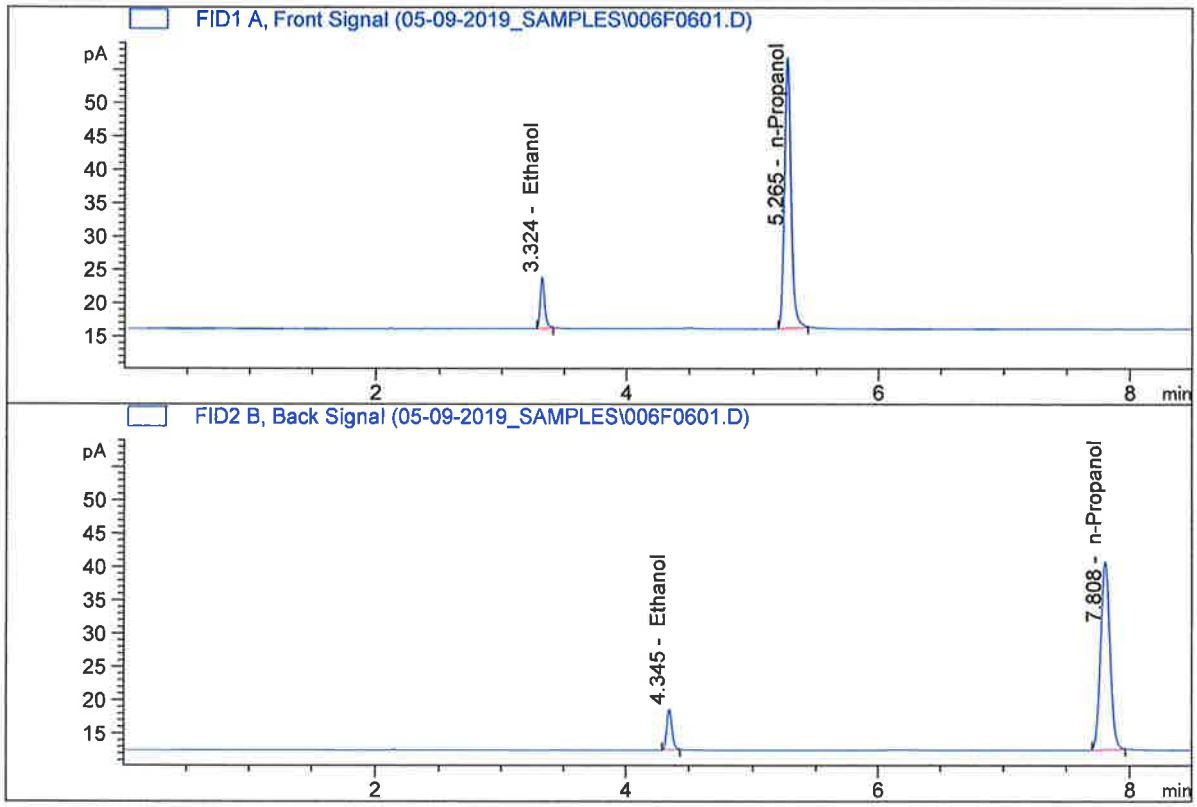
0.077

Calibration and control data are stored centrally.

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

ISP Forensic Services Blood Alcohol Report

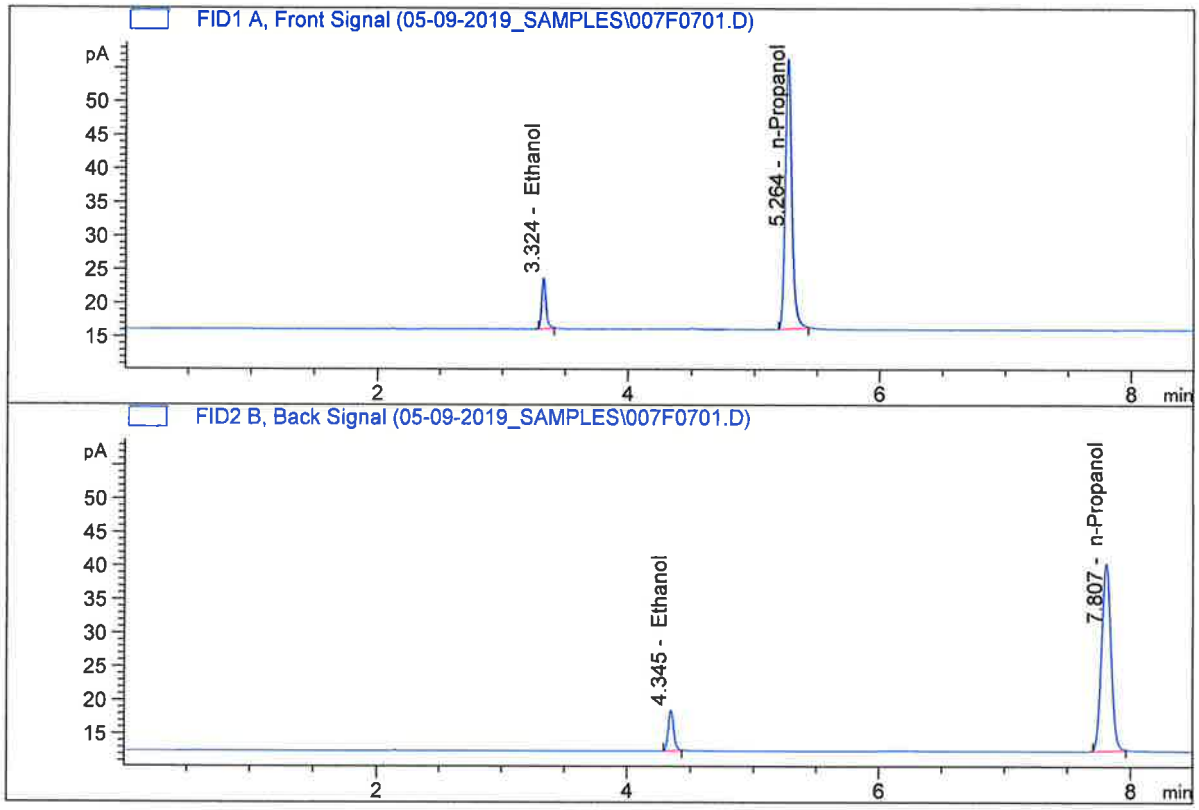
Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.59625	0.0772	g/100cc
2.	Ethanol	Column 2:	18.21170	0.0774	g/100cc
3.	n-Propanol	Column 1:	148.72998	1.0000	g/100cc
4.	n-Propanol	Column 2:	148.34230	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.39550	0.0770	g/100cc
2.	Ethanol	Column 2:	17.98665	0.0771	g/100cc
3.	n-Propanol	Column 1:	147.47864	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.98894	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 09 May 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1944	0.1947	0.0003	0.1945	0.1948	
(g/100cc)	0.1951	0.1953	0.0002	0.1952		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

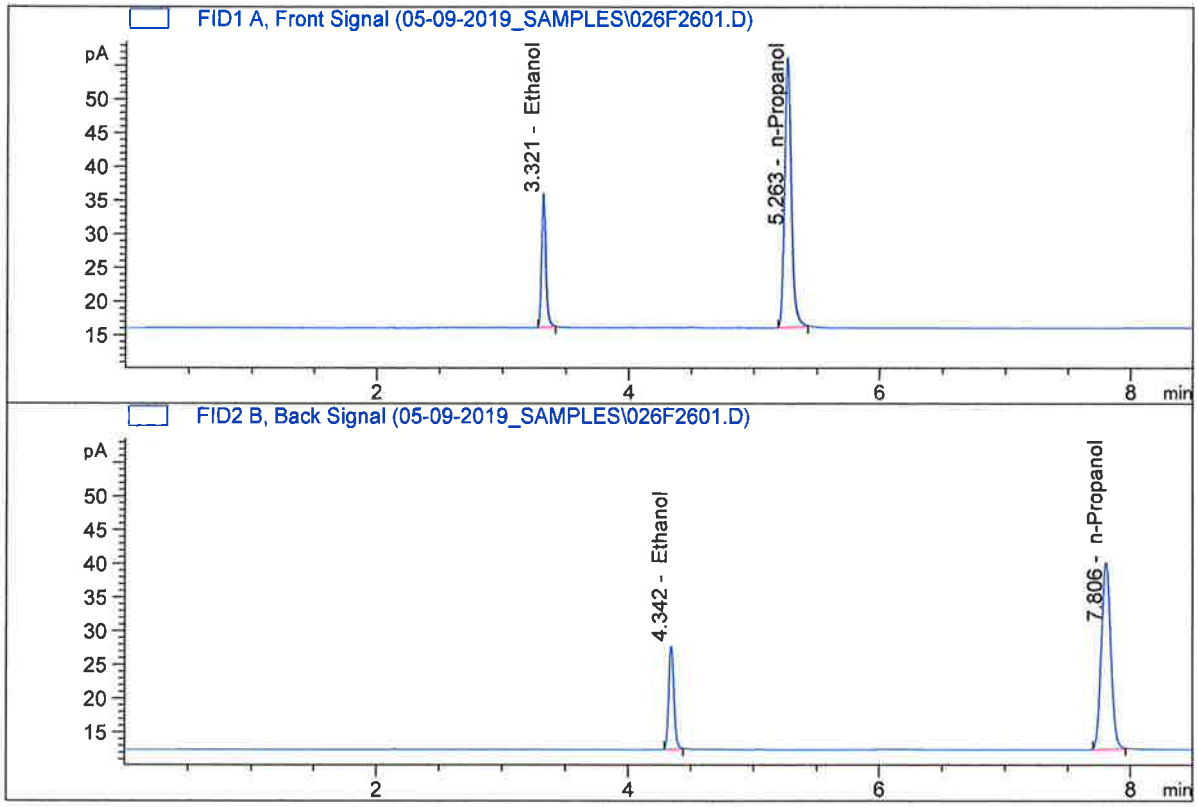
Overall Mean (g/100cc)	Low	High	5% of Mean
0.194	0.184	0.204	0.010

	Reported Result	
	0.194	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

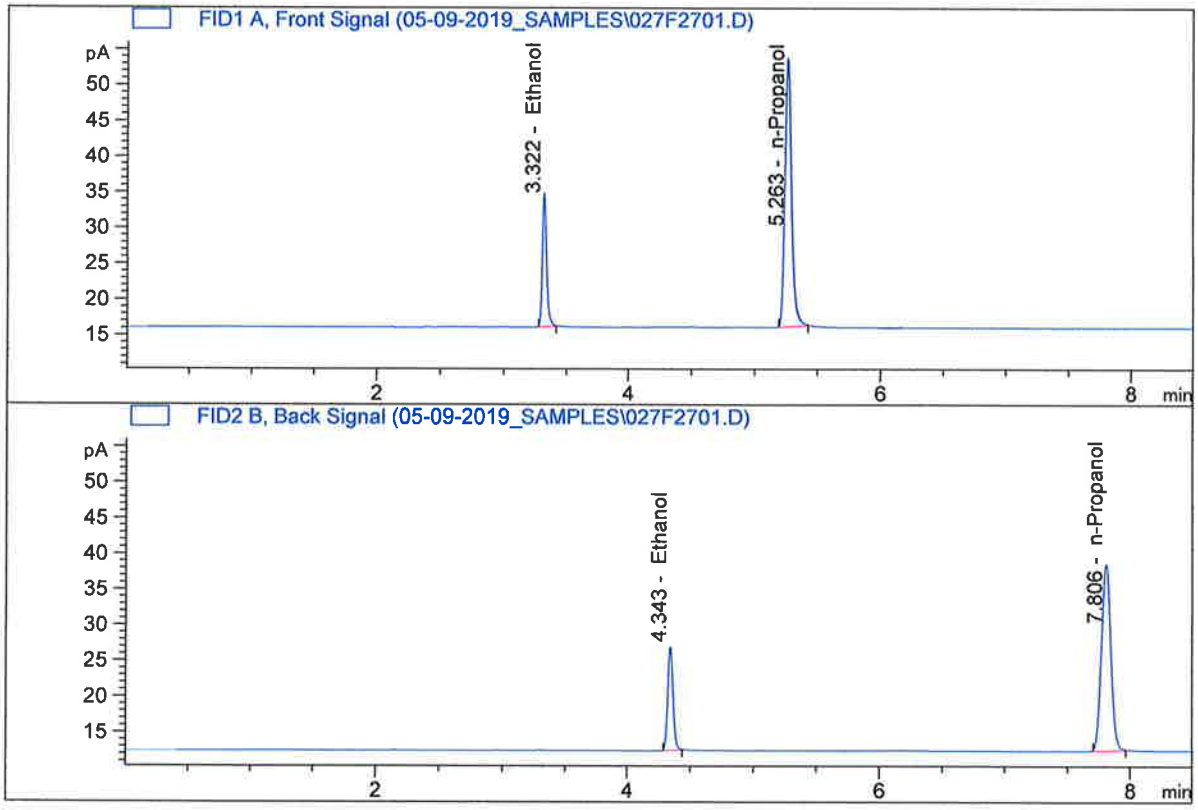
Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	46.28003	0.1944	g/100cc
2.	Ethanol	Column 2:	45.10973	0.1947	g/100cc
3.	n-Propanol	Column 1:	147.08545	1.0000	g/100cc
4.	n-Propanol	Column 2:	146.05637	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : May 9, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.68181	0.1951	g/100cc
2.	Ethanol	Column 2:	42.64686	0.1953	g/100cc
3.	n-Propanol	Column 1:	138.28291	1.0000	g/100cc
4.	n-Propanol	Column 2:	137.61653	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 10 May 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0794	0.0791	0.0003	0.0792	0.0788	
(g/100cc)	0.0786	0.0782	0.0004	0.0784		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

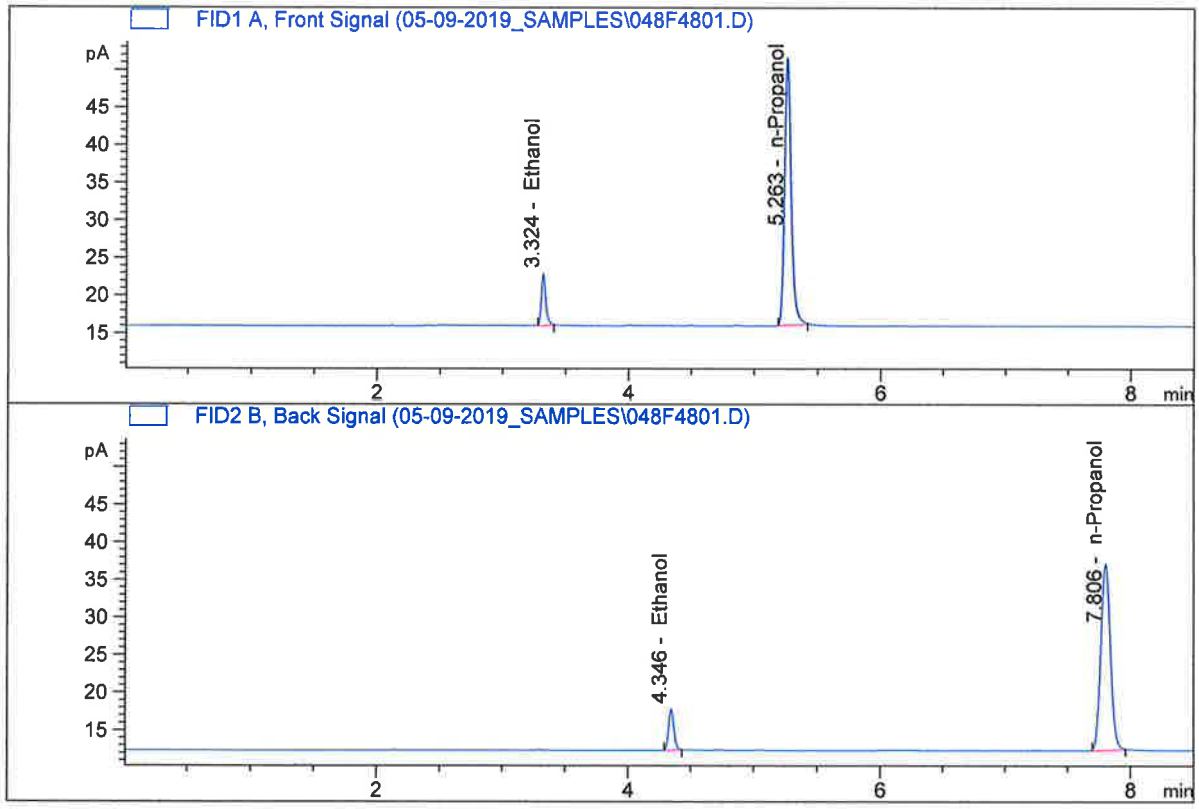
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

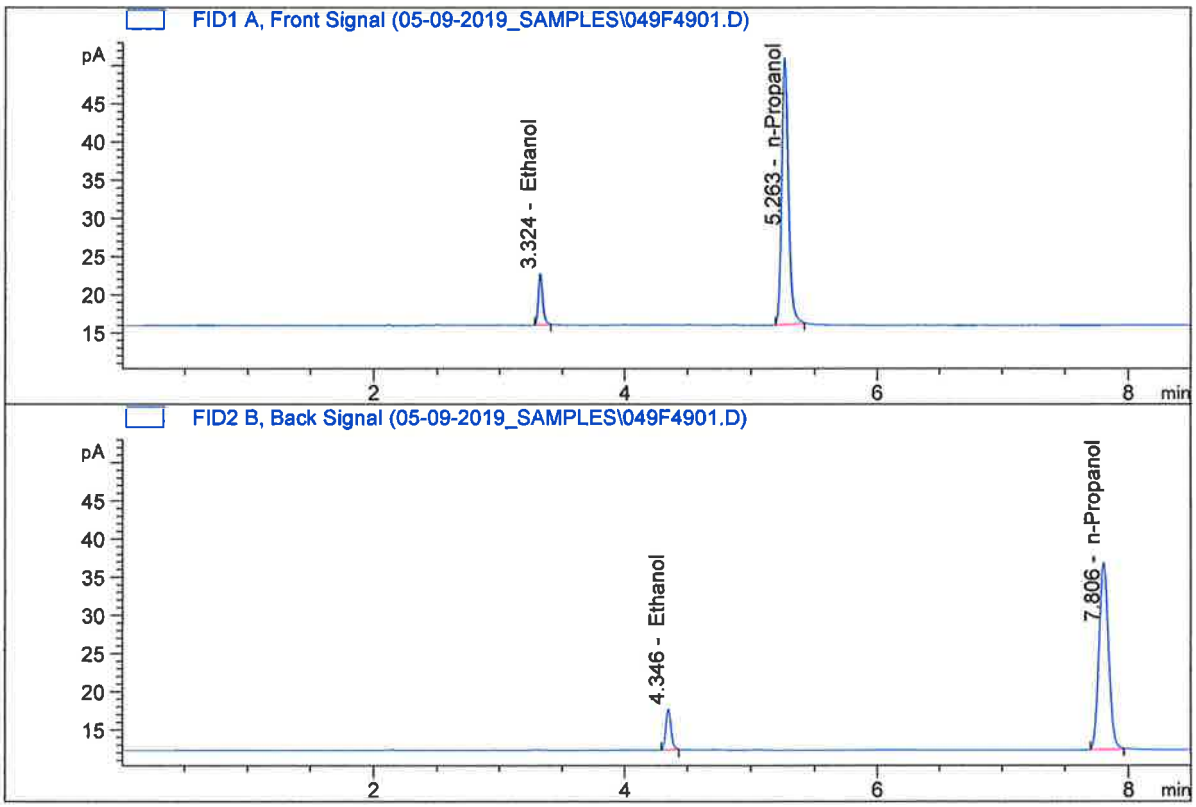
Sample Name : QC1-2-A
Laboratory : Pocatello
Injection Date : May 10, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.77993	0.0794	g/100cc
2.	Ethanol	Column 2:	16.33890	0.0791	g/100cc
3.	n-Propanol	Column 1:	130.55559	1.0000	g/100cc
4.	n-Propanol	Column 2:	130.17387	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Pocatello
Injection Date : May 10, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.31696	0.0786	g/100cc
2.	Ethanol	Column 2:	15.88705	0.0782	g/100cc
3.	n-Propanol	Column 1:	128.17929	1.0000	g/100cc
4.	n-Propanol	Column 2:	128.08711	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 10 May 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1998	0.1998	0.0000	0.1998	0.2001	
(g/100cc)	0.2005	0.2003	0.0002	0.2004		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD96JF1032

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

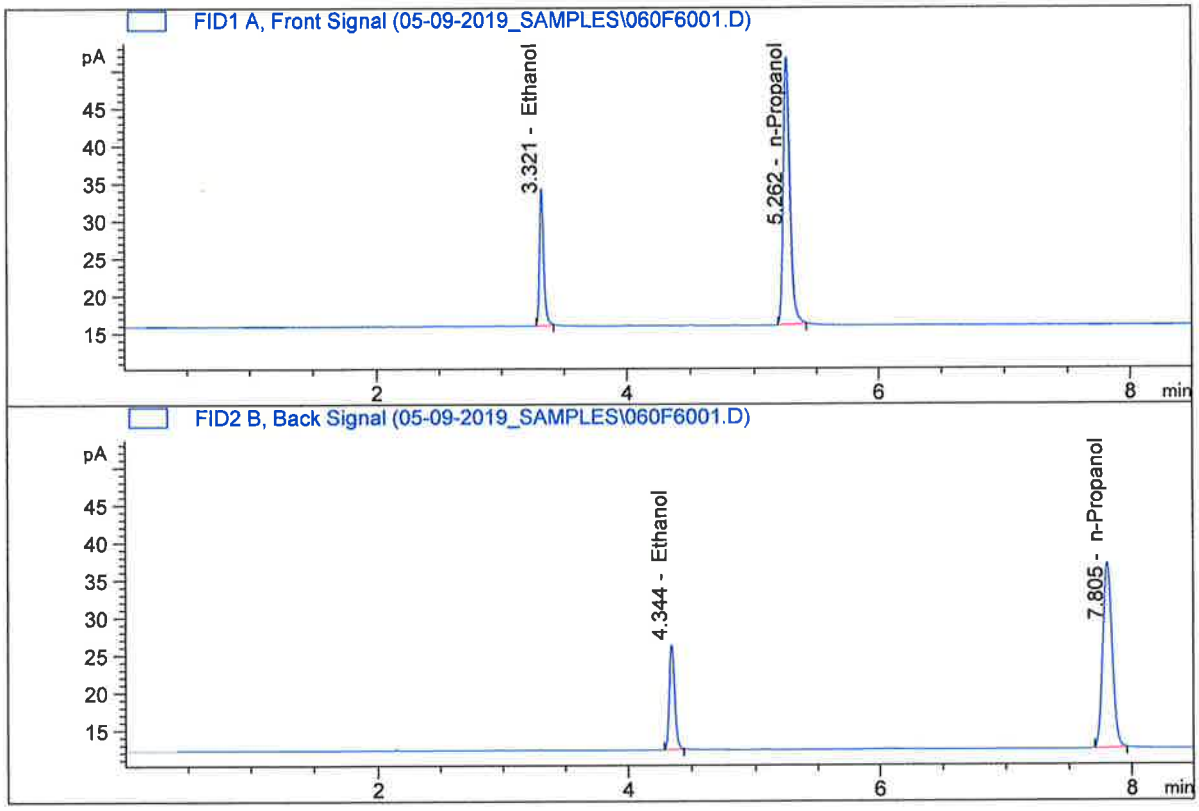
Overall Mean (g/100cc)	Low	High	5% of Mean
0.200	0.190	0.210	0.010

	Reported Result	
	0.200	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

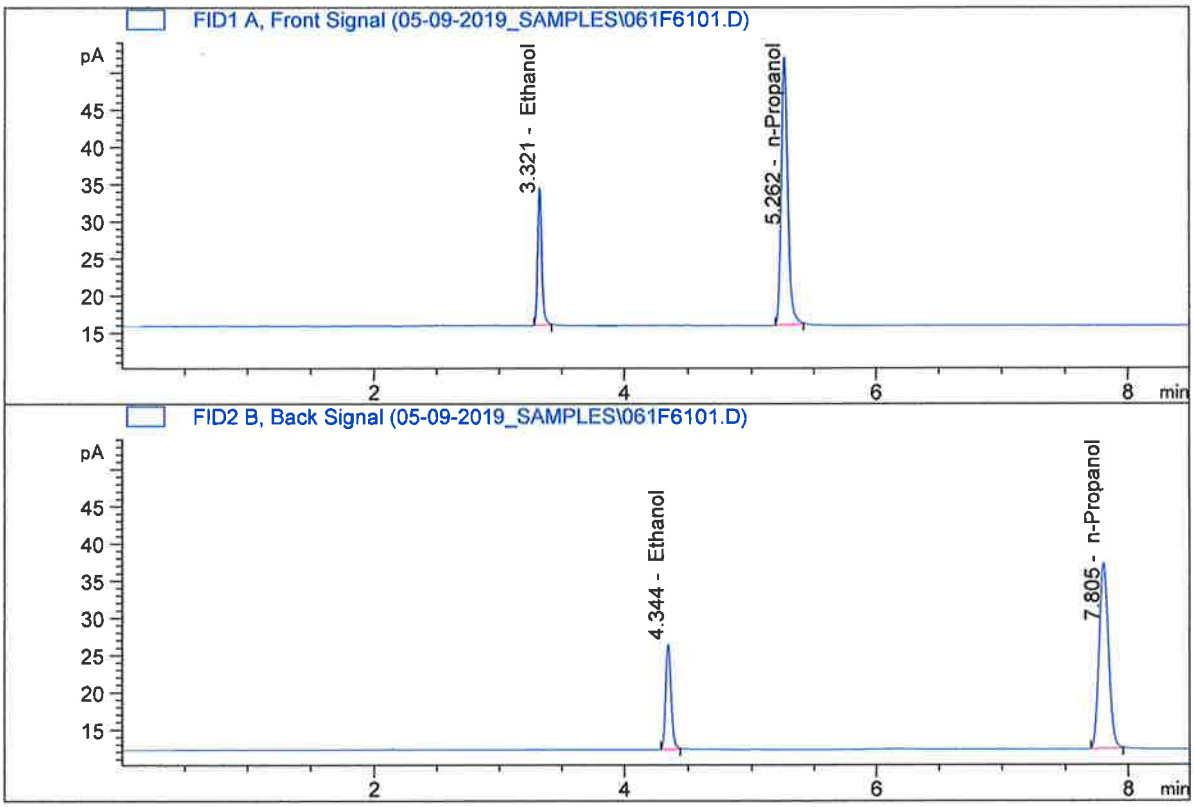
Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : May 10, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.30501	0.1998	g/100cc
2.	Ethanol	Column 2:	41.05695	0.1998	g/100cc
3.	n-Propanol	Column 1:	130.76797	1.0000	g/100cc
4.	n-Propanol	Column 2:	129.53040	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

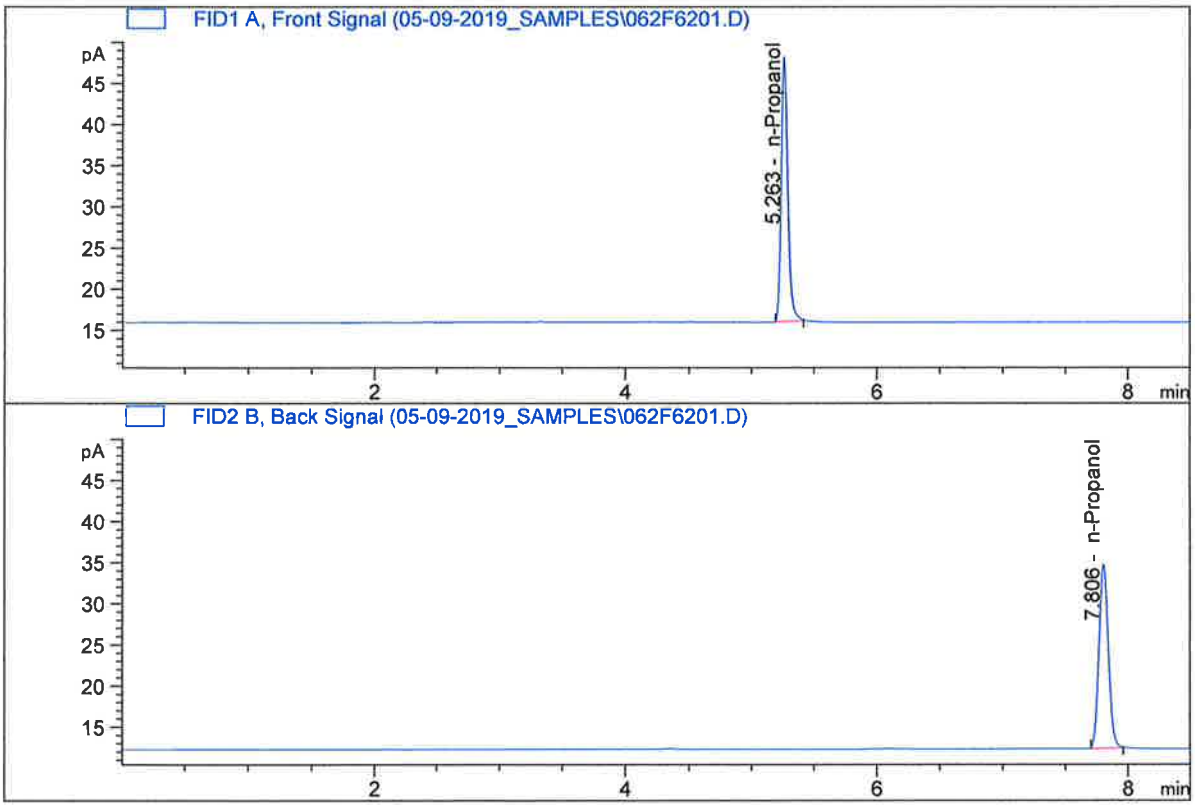
Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : May 10, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	42.80590	0.2005	g/100cc
2.	Ethanol	Column 2:	41.49554	0.2003	g/100cc
3.	n-Propanol	Column 1:	131.86993	1.0000	g/100cc
4.	n-Propanol	Column 2:	130.60834	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
Laboratory : Pocatello
Injection Date : May 10, 2019
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:	118.43150	1.0000	g/100cc
4.	n-Propanol	Column 2:	117.55804	1.0000	g/100cc

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_09.05.2019_03.54.46\05-09-19_SAMPLES.S
Data directory path: C:\Chem32\1\Data\05-09-2019_SAMPLES
Logbook: C:\Chem32\1\Data\05-09-2019_SAMPLES\05-09-19_SAMPLES.LOG
Sequence start: 5/9/2019 4:08:38 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	INTERNAL STD BLK	-	1.0000	001F0101.D	2
2	2	1	MULTI-COMP MIX	-	1.0000	002F0201.D	12
3	3	1	INTERNAL STD	-	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	P2019-1226-1-A	-	1.0000	008F0801.D	6
9	9	1	P2019-1226-1-B	-	1.0000	009F0901.D	6
10	10	1	P2019-1231-1-A	-	1.0000	010F1001.D	6
11	11	1	P2019-1231-1-B	-	1.0000	011F1101.D	6
12	12	1	P2019-1236-1-A	-	1.0000	012F1201.D	6
13	13	1	P2019-1236-1-B	-	1.0000	013F1301.D	6
14	14	1	P2019-1237-1-A	-	1.0000	014F1401.D	6
15	15	1	P2019-1237-1-B	-	1.0000	015F1501.D	6
16	16	1	P2019-1238-1-A	-	1.0000	016F1601.D	6
17	17	1	P2019-1238-1-B	-	1.0000	017F1701.D	6
18	18	1	P2019-1270-1-A	-	1.0000	018F1801.D	4
19	19	1	P2019-1270-1-B	-	1.0000	019F1901.D	4
20	20	1	P2019-1271-1-A	-	1.0000	020F2001.D	6
21	21	1	P2019-1271-1-B	-	1.0000	021F2101.D	6
22	22	1	P2019-1272-1-A	-	1.0000	022F2201.D	4
23	23	1	P2019-1272-1-B	-	1.0000	023F2301.D	4
24	24	1	P2019-1285-1-A	-	1.0000	024F2401.D	6
25	25	1	P2019-1285-1-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	P2019-1287-1-A	-	1.0000	028F2801.D	6
29	29	1	P2019-1287-1-B	-	1.0000	029F2901.D	6
30	30	1	P2019-1288-1-A	-	1.0000	030F3001.D	4
31	31	1	P2019-1288-1-B	-	1.0000	031F3101.D	4
32	32	1	P2019-1302-1-A	-	1.0000	032F3201.D	6
33	33	1	P2019-1302-1-B	-	1.0000	033F3301.D	6
34	34	1	P2019-1304-1-A	-	1.0000	034F3401.D	6
35	35	1	P2019-1304-1-B	-	1.0000	035F3501.D	6
36	36	1	P2019-1319-1-A	-	1.0000	036F3601.D	4
37	37	1	P2019-1319-1-B	-	1.0000	037F3701.D	4
38	38	1	P2019-1328-1-A	-	1.0000	038F3801.D	4
39	39	1	P2019-1328-1-B	-	1.0000	039F3901.D	4
40	40	1	P2019-1366-1-A	-	1.0000	040F4001.D	2
41	41	1	P2019-1366-1-B	-	1.0000	041F4101.D	2
42	42	1	P2019-1367-1-A	-	1.0000	042F4201.D	6
43	43	1	P2019-1367-1-B	-	1.0000	043F4301.D	6
44	44	1	P2019-1369-1-A	-	1.0000	044F4401.D	6
45	45	1	P2019-1369-1-B	-	1.0000	045F4501.D	4
46	46	1	P2019-1370-1-A	-	1.0000	046F4601.D	6

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_09.05.2019_03.54.46\05-09-19_SAMPLES.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	P2019-1370-1-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	P2019-1379-1-A	-	1.0000	050F5001.D		6
51	51	1	P2019-1379-1-B	-	1.0000	051F5101.D		6
52	52	1	P2019-1394-1-A	-	1.0000	052F5201.D		4
53	53	1	P2019-1394-1-B	-	1.0000	053F5301.D		4
54	54	1	P2019-1411-1-A	-	1.0000	054F5401.D		6
55	55	1	P2019-1411-1-B	-	1.0000	055F5501.D		6
56	56	1	P2019-1420-1-A	-	1.0000	056F5601.D		2
57	57	1	P2019-1420-1-B	-	1.0000	057F5701.D		2
58	58	1	P2019-1420-3-A	-	1.0000	058F5801.D		2
59	59	1	P2019-1420-3-B	-	1.0000	059F5901.D		2
60	60	1	QC2-2-A	-	1.0000	060F6001.D		4
61	61	1	QC2-2-B	-	1.0000	061F6101.D		4
62	62	1	INT STD BLK	-	1.0000	062F6201.D		2