REVIEWED

By Melissa (Nikka) Bradley at 11:23 am, Mar 02, 2019

2/28/2019

Worklist: 2992

MB 11:06 am

LAB_CASE	ITEM	TASK_ID	DESCRIPTION
M2019-0688	1	139132	Alcohol Analysis
P2019-0471	1	139304	Alcohol Analysis
P2019-0472	1	139305	Alcohol Analysis
P2019-0484	1	139431	Alcohol Analysis
P2019-0509	1	139627	Alcohol Analysis
P2019-0529	2	139830	Alcohol Analysis
P2019-0540	1	142000	Alcohol Analysis
P2019-0551	1	142053	Alcohol Analysis
P2019-0552	1	142077	Alcohol Analysis
P2019-0553	1	142081	Alcohol Analysis
P2019-0555	1	142172	Alcohol Analysis
P2019-0573	1	142226	Alcohol Analysis
P2019-0577	1	142246	Alcohol Analysis
P2019-0584	1	142383	Alcohol Analysis
P2019-0589	1	142393	Alcohol Analysis
P2019-0592	1	142400	Alcohol Analysis
P2019-0598	1	142442	Alcohol Analysis
P2019-0599	1	142443	Alcohol Analysis
P2019-0600	1	142447	Alcohol Analysis
P2019-0600	2	142451	Alcohol Analysis
P2019-0604	2	142561	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: MD96BC1382

Volatiles Quality Assurance Controls **Run Date(s): 2/27/19**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731 - 0.0893	0.0768 g/100cc
					0.0793 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832 - 0.2238	0.1990 g/100cc
					0.1979 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	11918		
Curve Fit:	**Column 1**	0.99997	**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	0.0479	0.0489	0.001	0.0484
100	0.100	0.090 - 0.110	0.0972	0.0970	0.0002	0.0971
200	0.200	0.180 - 0.220	0.1980	0.1974	0.0006	0.1977
300	0.300	0.270 - 0.330	0.2982	0.2975	0.0007	0.2978
500	0.500	0.450 - 0.550	0.5027	0.5032	0.0005	0.5029

Aqueous Controls

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

RC

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

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Wednesday, February 27, 2019 1:30:44 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

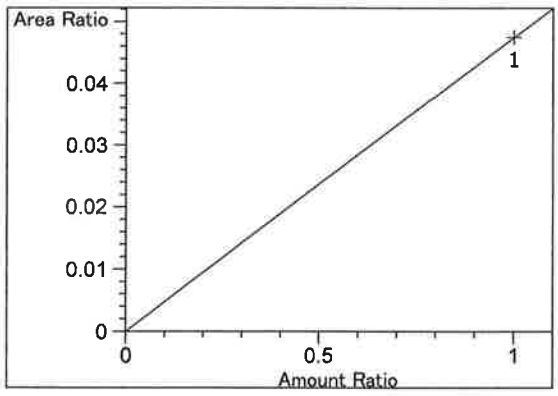
Overview Table

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.227	2	1	1.00000	6.45200	1.54991e-1	No	No	2	Fluorinated ethane
2.271	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
3.317	1	1	5.00000e-2	11.08207	4.51179e-3	No	No	1	Ethanol
		2	1.00000e-1	22.61685	4.42148e-3				
		3	2.00000e-1	48.20628	4.14884e-3				
		4	3.00000e-1	69.12797	4.33978e-3				
		5	5.00000e-1	117.86619	4.24210e-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
4.334	2	1	5.00000e-2	11.24602	4.44602e-3	No	No	2	Ethanol
		2	1.00000e-1	22.35963	4.47235e-3				
		3	2.00000e-1	47.20350	4.23697e-3				
		4	3.00000e-1	67.68433	4.43234e-3				
		5	5.00000e-1	115.28214	4.33719e-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
5.259	1	1	1.00000	133.72021	7.47830e-3	No	Yes	1	n-Propanol
		2	1.00000	134.42337	7.43918e-3				
		3	1.00000	140.65019	7.10984e-3				
		4	1.00000	133.94193	7.46592e-3				
		5	1.00000	135.46065	7.38222e-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
7.789	2	1	1.00000	135.89790	7.35847e-3	No	Yes	2	n-Propanol
		2	1.00000	136.19337	7.34250e-3				
		3	1.00000	141.33327	7.07548e-3				
		4	1.00000	134.49538	7.43520e-3				
		5	1.00000	135.41518	7.38470e-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

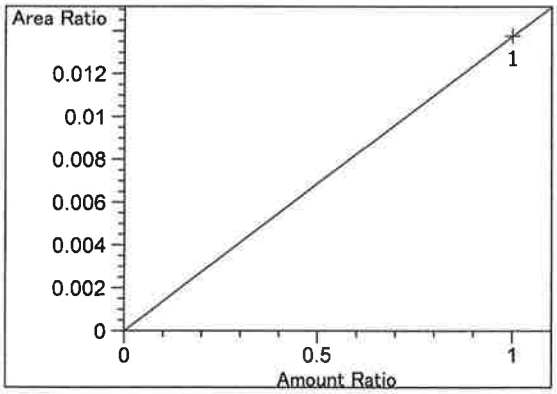
Peak Sum Table

No Entries in table

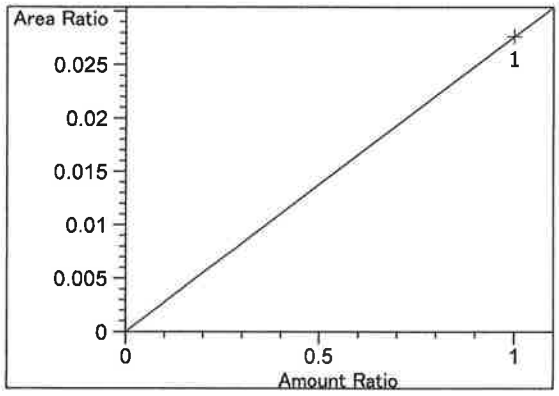
Calibration Curves



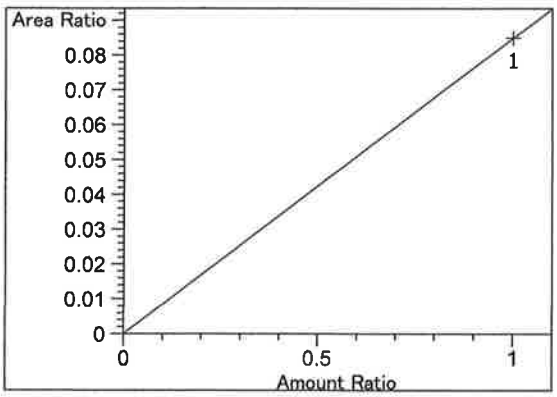
Fluorinated ethane at exp. RT: 2.227
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.74768e-2
x: Amount Ratio
y: Area Ratio



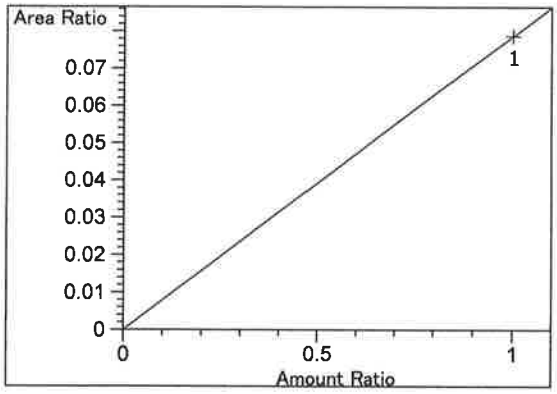
Fluorinated ethane at exp. RT: 2.271
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.37679e-2
x: Amount Ratio
y: Area Ratio



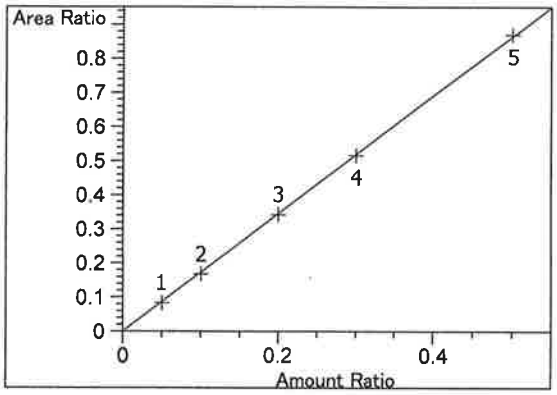
Methanol at exp. RT: 2.685
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 2.76450e-2
x: Amount Ratio
y: Area Ratio



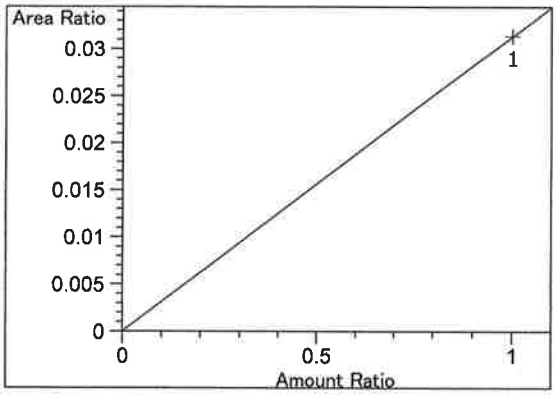
Acetaldehyde at exp. RT: 2.950
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.49682e-2
x: Amount Ratio
y: Area Ratio



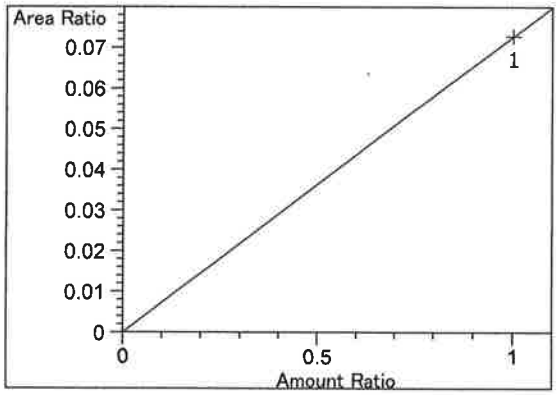
Acetaldehyde at exp. RT: 2.975
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.87016e-2
x: Amount Ratio
y: Area Ratio



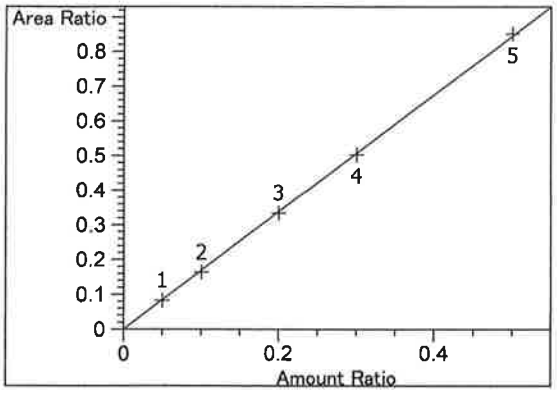
Ethanol at exp. RT: 3.317
FID1 A, Front Signal
Correlation: 0.99997
Residual Std. Dev.: 0.00449
Formula: y = mx
m: 1.73097
x: Amount Ratio
y: Area Ratio



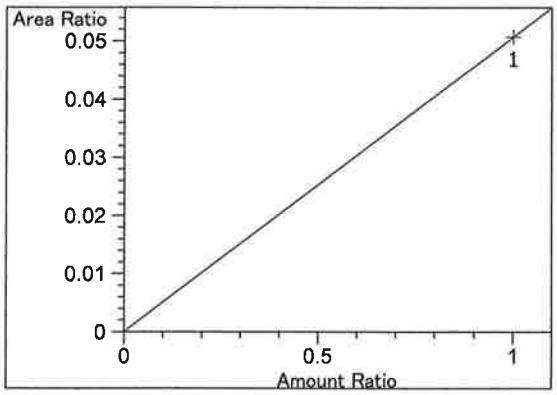
Methanol at exp. RT: 3.372
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.13517e-2
x: Amount Ratio
y: Area Ratio



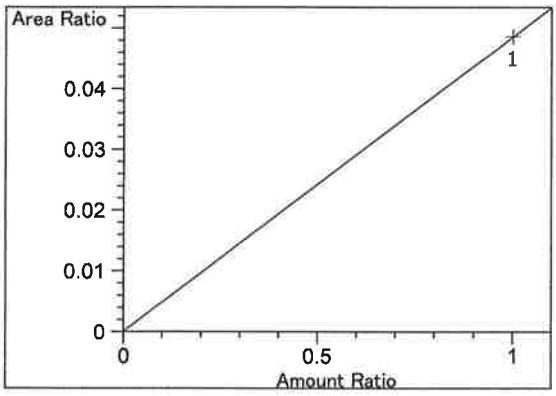
Isopropyl alcohol at exp. RT: 3.993
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.27680e-2
x: Amount Ratio
y: Area Ratio



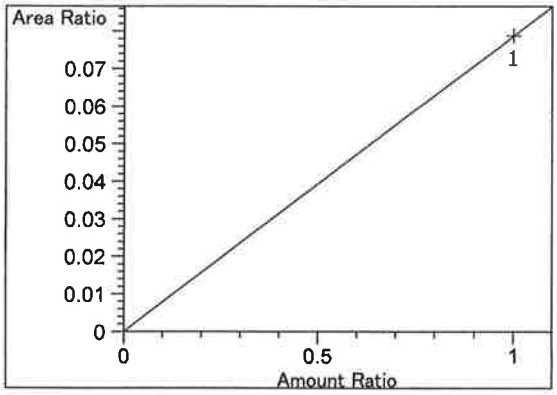
Ethanol at exp. RT: 4.334
FID2 B, Back Signal
Correlation: 0.99996
Residual Std. Dev.: 0.00488
Formula: y = mx
m: 1.69169
x: Amount Ratio
y: Area Ratio



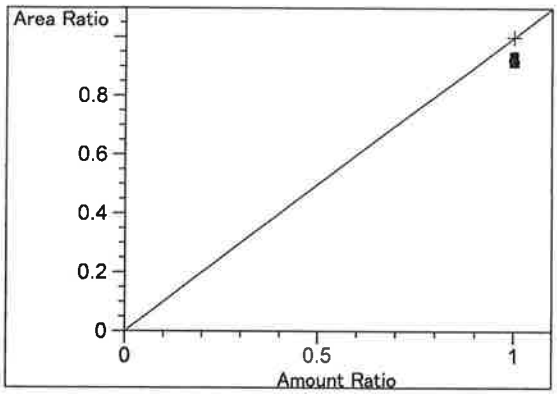
Acetone at exp. RT: 4.704
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.07220e-2
x: Amount Ratio
y: Area Ratio



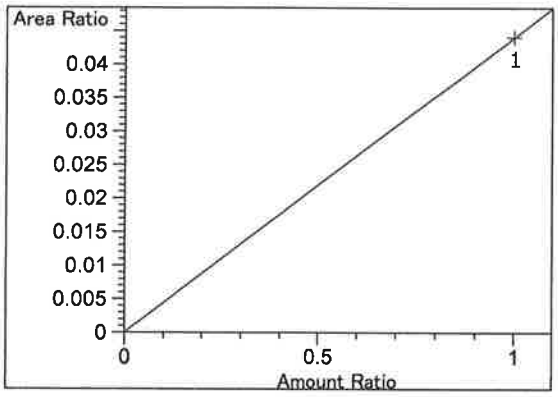
Acetone at exp. RT: 4.853
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.86045e-2
x: Amount Ratio
y: Area Ratio



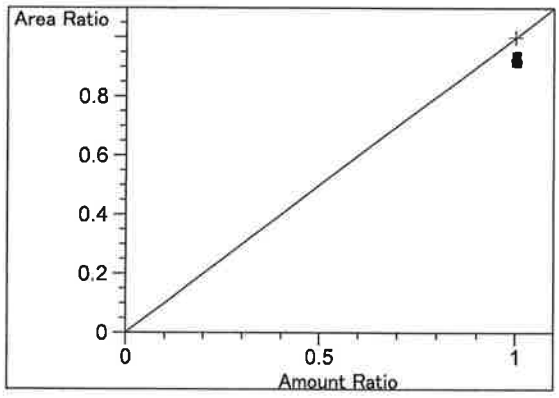
Isopropyl alcohol at exp. RT: 5.050
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.87828e-2
x: Amount Ratio
y: Area Ratio



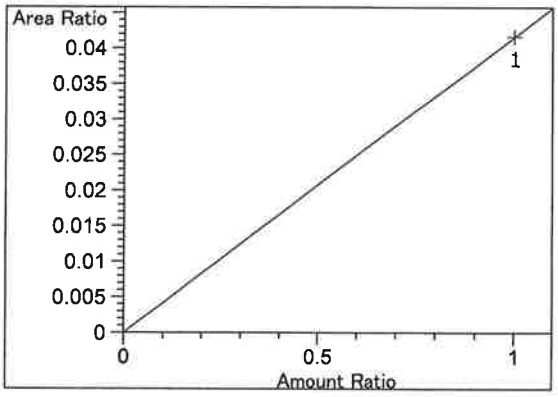
n-Propanol at exp. RT: 5.259
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



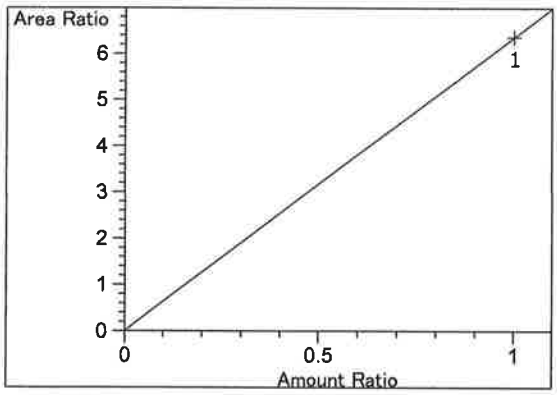
Ethyl Acetate at exp. RT: 7.659
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.40551e-2
x: Amount Ratio
y: Area Ratio



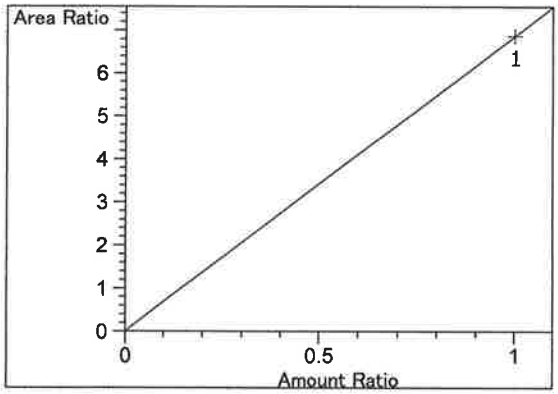
n-Propanol at exp. RT: 7.789
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



Ethyl Acetate at exp. RT: 8.420
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.16167e-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: 6.36391
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: 6.86870
x: Amount Ratio
y: Area Ratio

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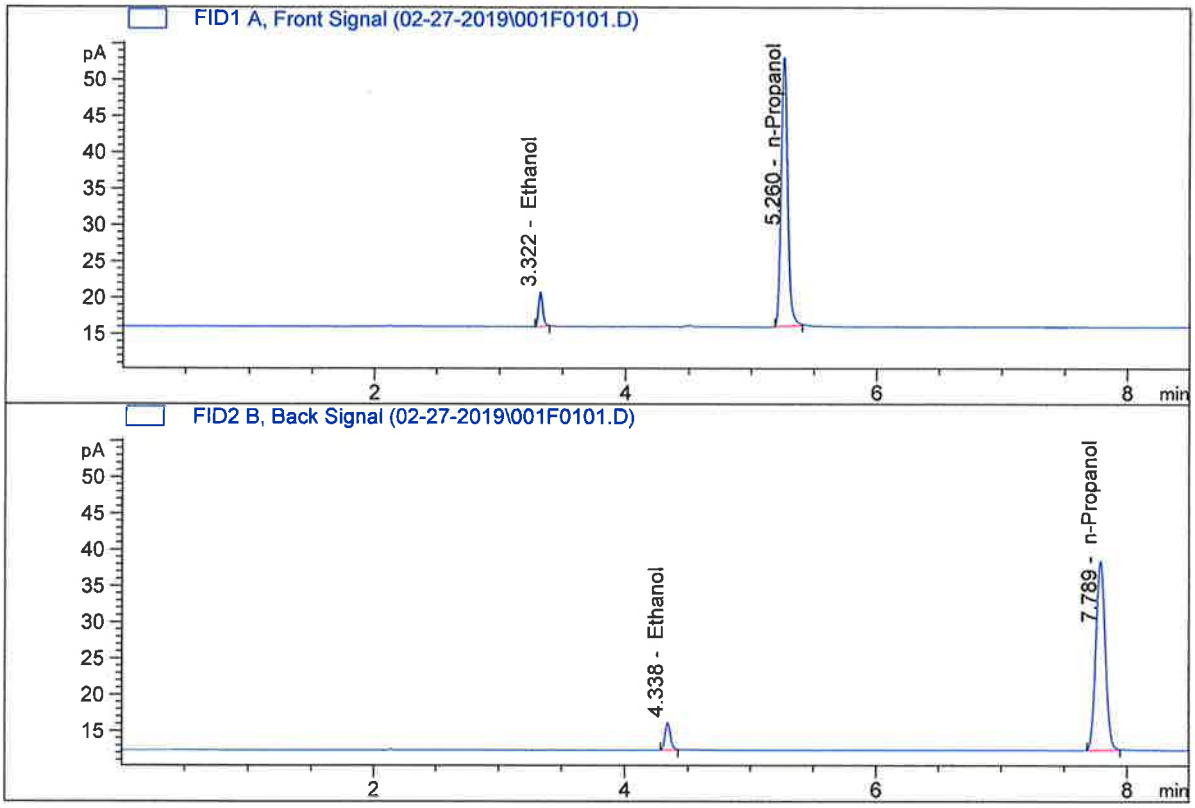
ISP Forensic Services Blood Alcohol Report

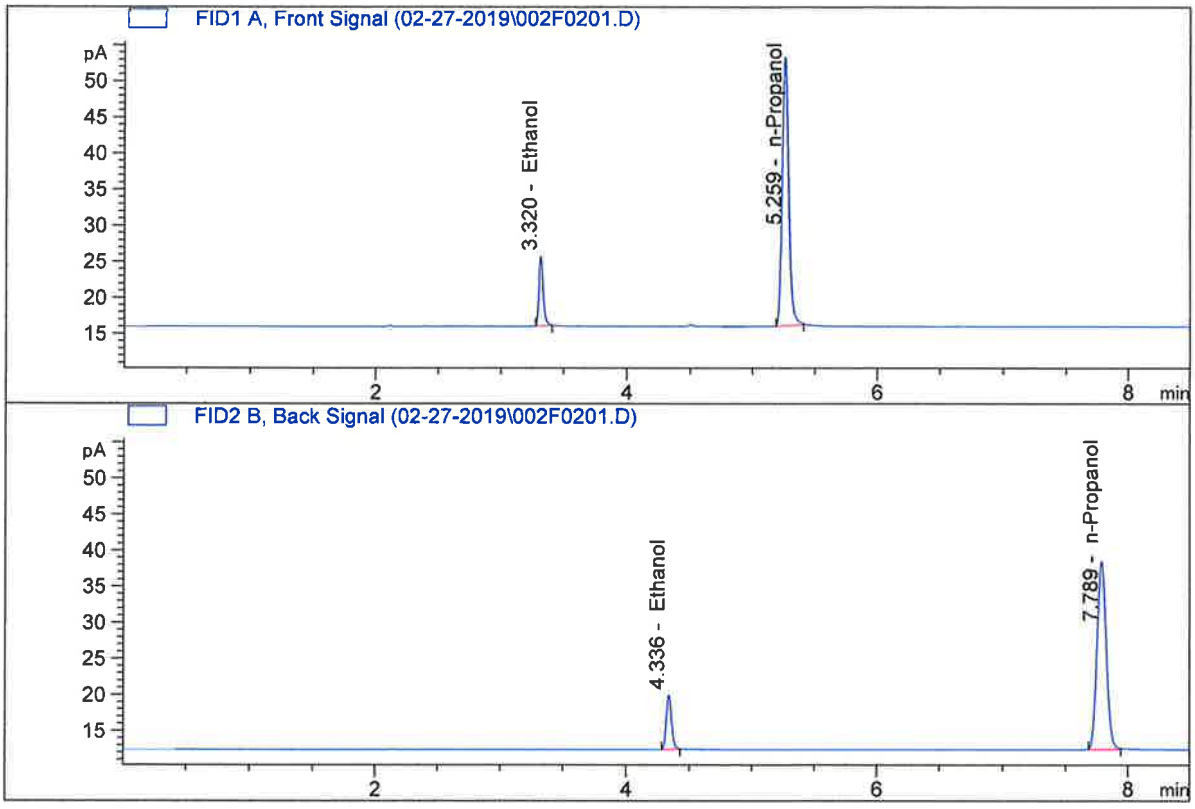
Sample Name : 0.05
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.08207	0.0479	g/100cc
2.	Ethanol	Column 2:	11.24602	0.0489	g/100cc
3.	n-Propanol	Column 1:	133.72021	1.0000	g/100cc
4.	n-Propanol	Column 2:	135.89790	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

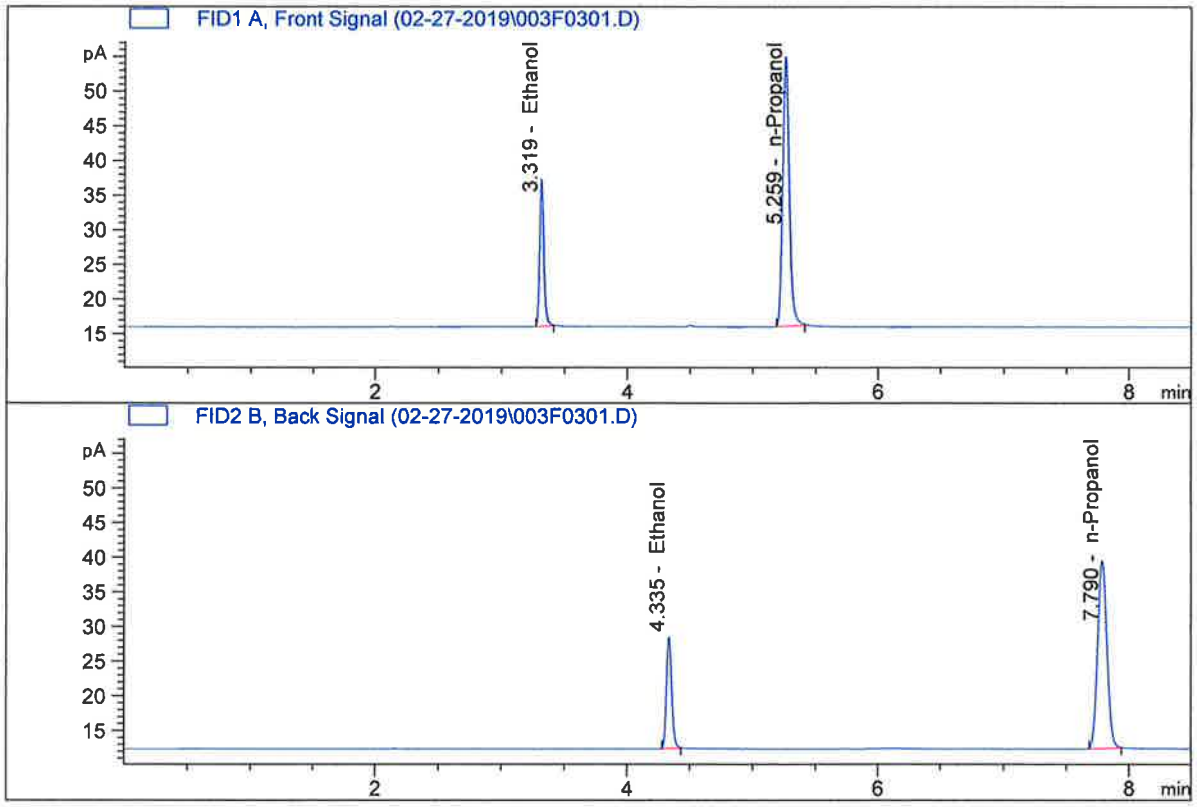
Sample Name : 0.10
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	22.61685	0.0972	g/100cc
2.	Ethanol	Column 2:	22.35963	0.0970	g/100cc
3.	n-Propanol	Column 1:	134.42337	1.0000	g/100cc
4.	n-Propanol	Column 2:	136.19337	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

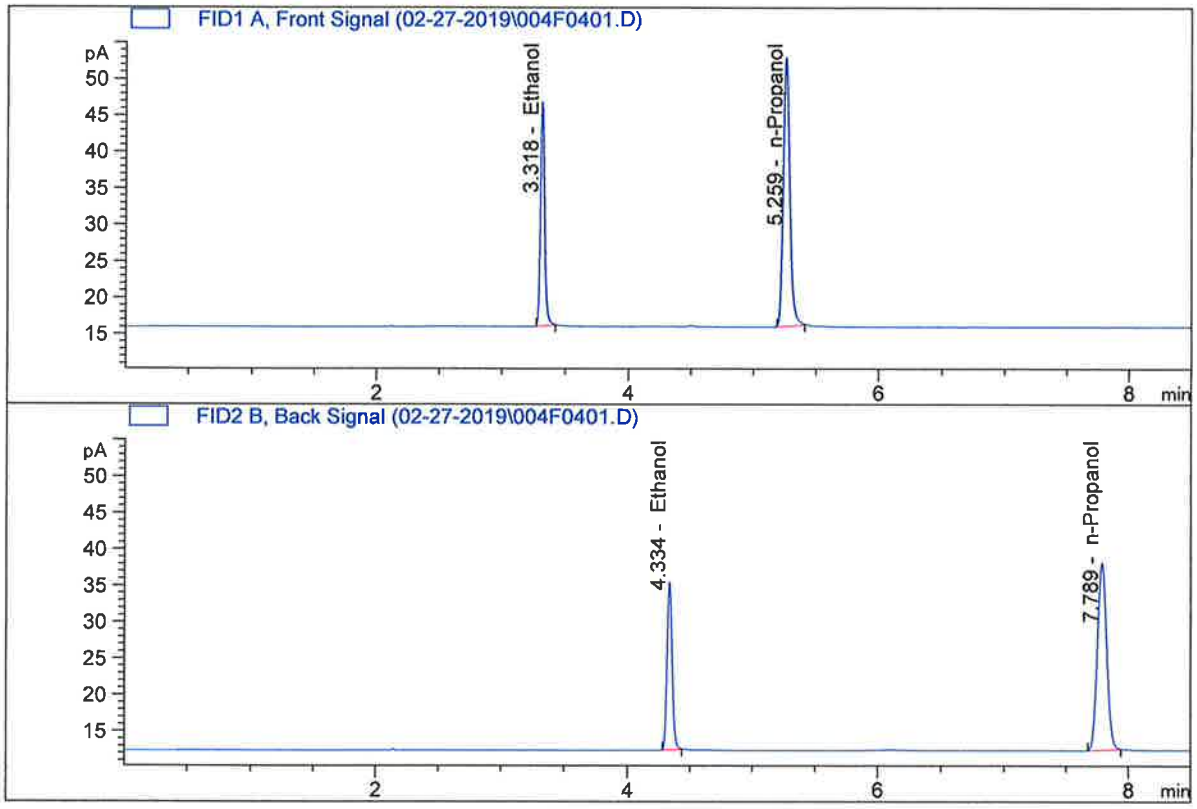
Sample Name : 0.20
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	48.20628	0.1980	g/100cc
2.	Ethanol	Column 2:	47.20350	0.1974	g/100cc
3.	n-Propanol	Column 1:	140.65019	1.0000	g/100cc
4.	n-Propanol	Column 2:	141.33327	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

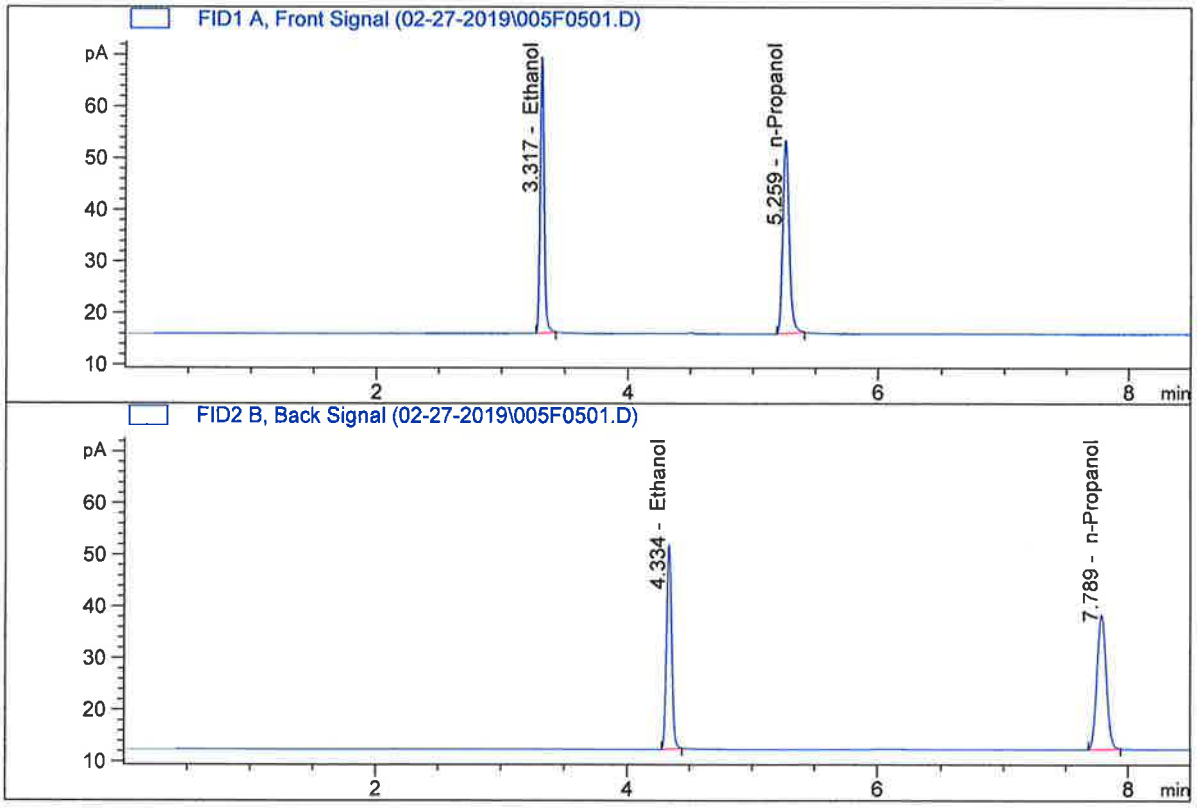
Sample Name	:	0.300
Laboratory	:	Pocatello
Injection Date	:	Feb 27, 2019
Method	:	ALCOHOL.M
Acq. Instrument	:	CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	69.12797	0.2982	g/100cc
2.	Ethanol	Column 2:	67.68433	0.2975	g/100cc
3.	n-Propanol	Column 1:	133.94193	1.0000	g/100cc
4.	n-Propanol	Column 2:	134.49538	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

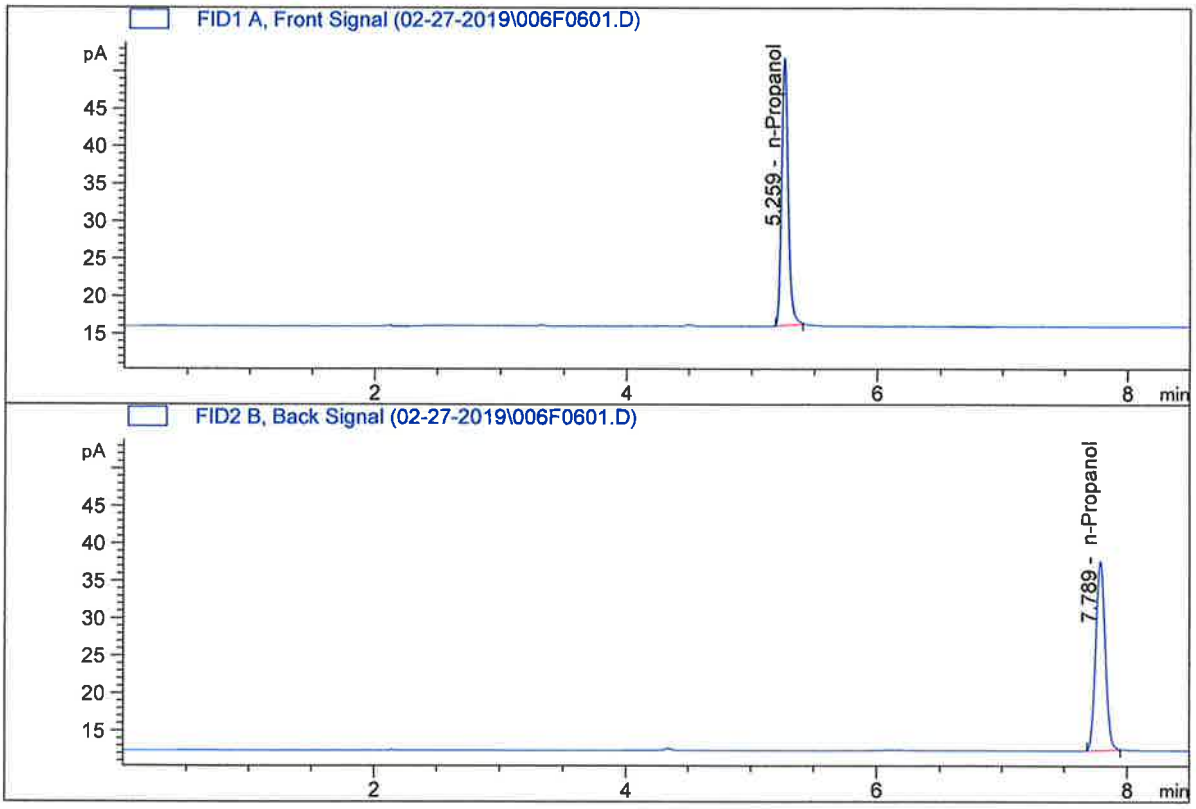
Sample Name : 0.50
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	117.86619	0.5027	g/100cc
2.	Ethanol	Column 2:	115.28214	0.5032	g/100cc
3.	n-Propanol	Column 1:	135.46065	1.0000	g/100cc
4.	n-Propanol	Column 2:	135.41518	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK-1
Laboratory : Pocatello
Injection Date : Feb 27, 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:	129.69971	1.0000	g/100cc
4.	n-Propanol	Column 2:	132.12325	1.0000	g/100cc

Sample Summary

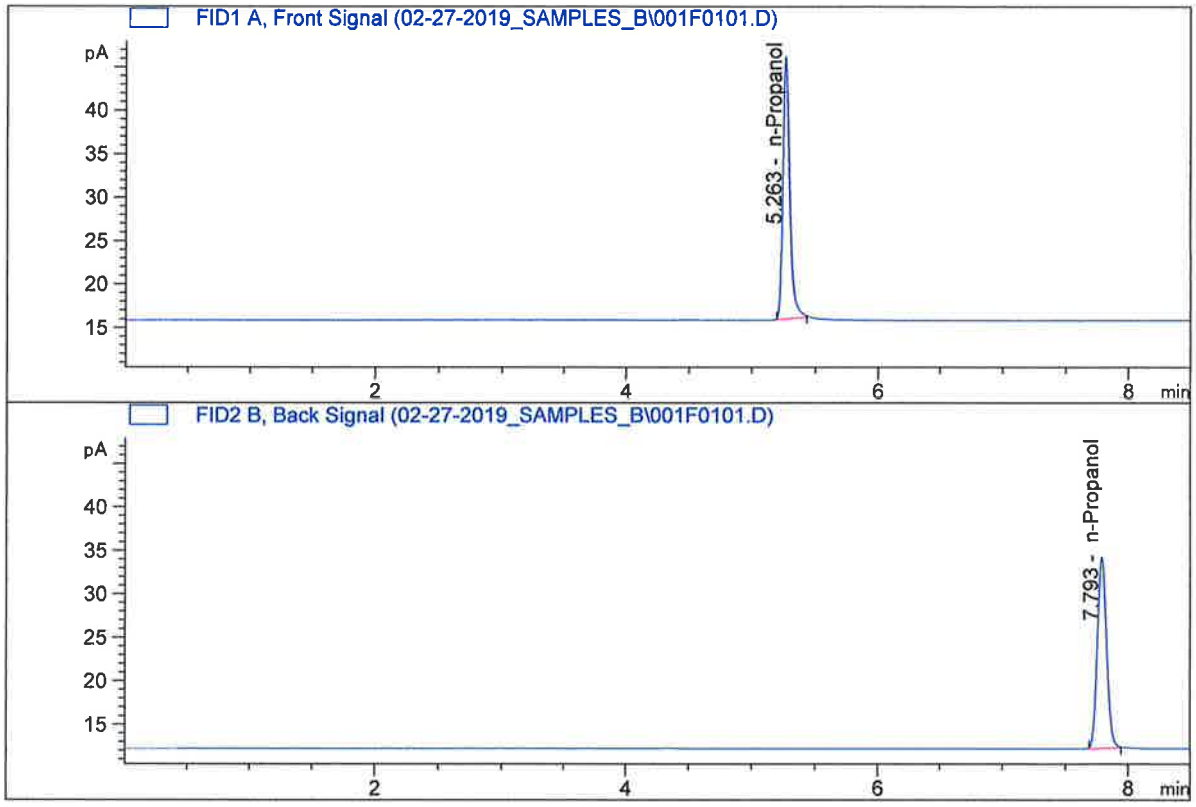
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_27.02.2019_11.45.30\MASTERCAL.S
Data directory path: C:\Chem32\1\Data\02-27-2019
Logbook: C:\Chem32\1\Data\02-27-2019\MASTERCAL.LOG
Sequence start: 2/27/2019 11:59:16 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	0.05	-	1.0000	001F0101.D	*	4
2	2	1	0.10	-	1.0000	002F0201.D	*	4
3	3	1	0.20	-	1.0000	003F0301.D	*	4
4	4	1	0.300	-	1.0000	004F0401.D	*	4
5	5	1	0.50	-	1.0000	005F0501.D	*	4
6	6	1	ISTD BLANK-1	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

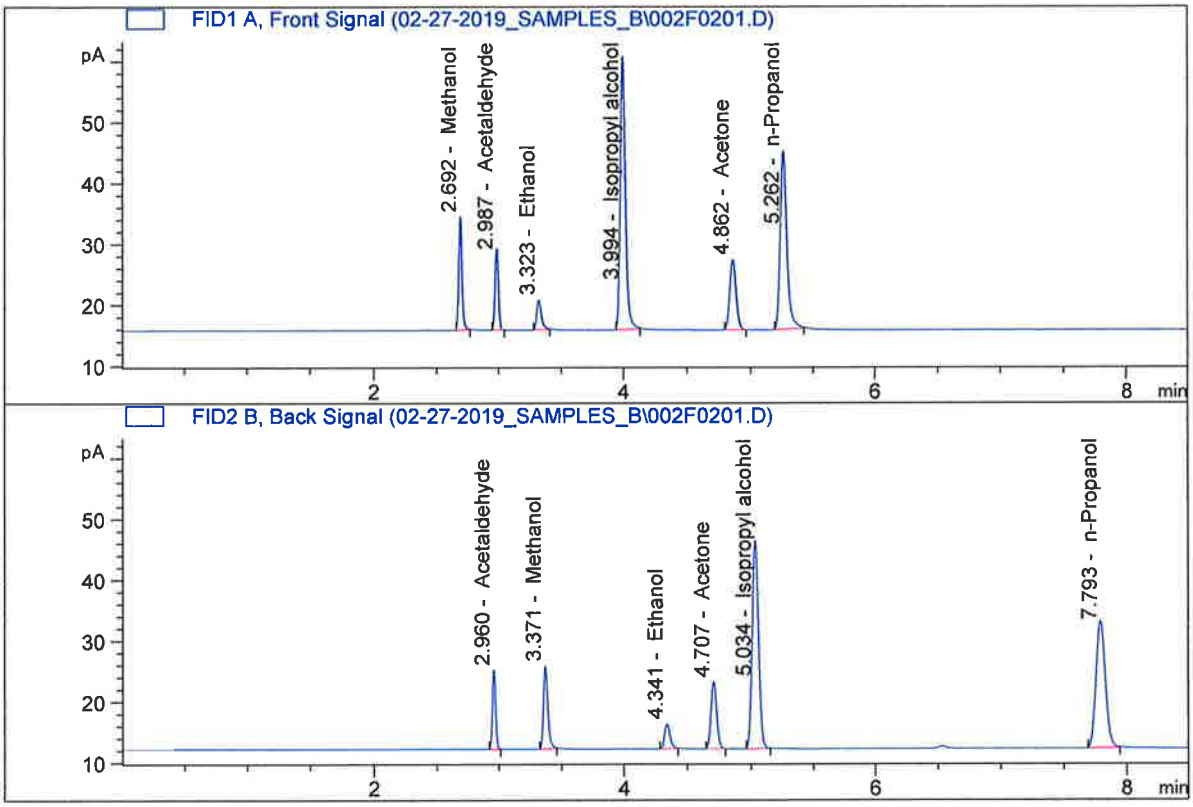
Sample Name : INTERNAL STD BLK
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	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:	113.38217	1.0000	g/100cc
4.	n-Propanol	Column 2:	115.14743	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

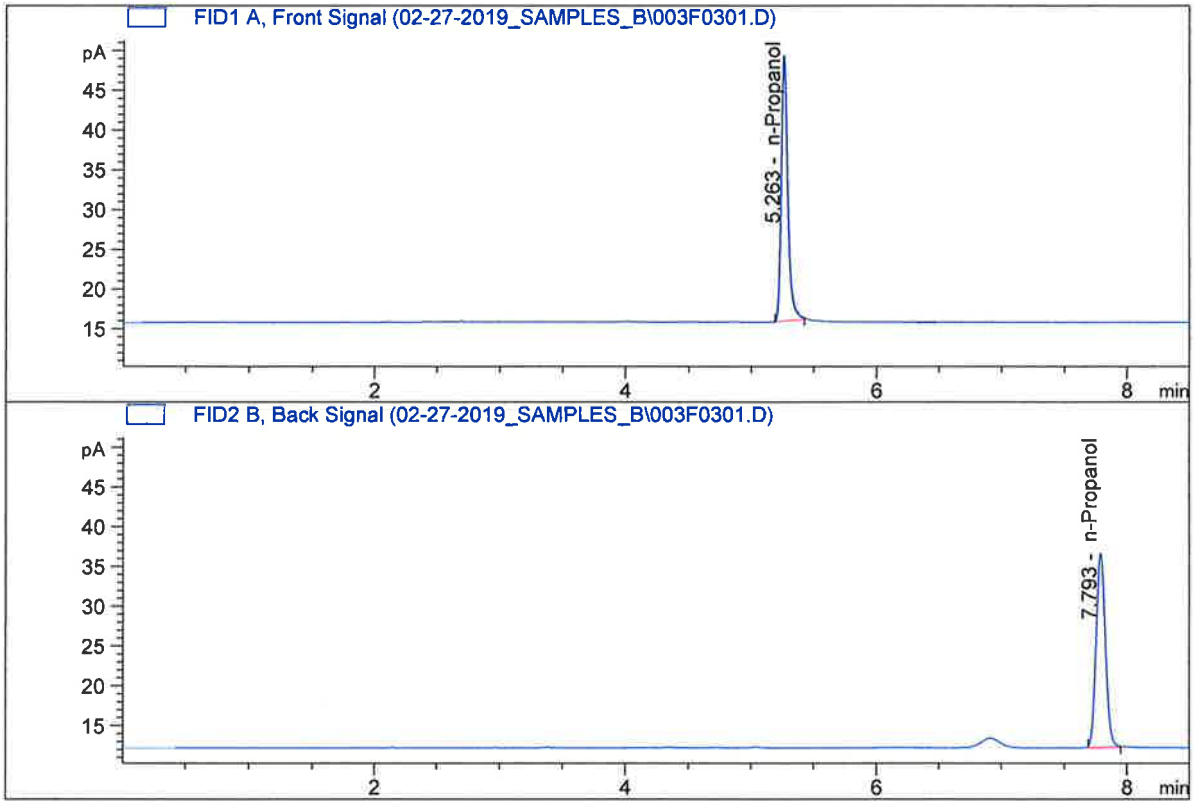
Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.35300	0.0661	g/100cc
2.	Ethanol	Column 2:	12.20346	0.0663	g/100cc
3.	n-Propanol	Column 1:	107.88389	1.0000	g/100cc
4.	n-Propanol	Column 2:	108.80396	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STD
Laboratory : Pocatello
Injection Date : Feb 27, 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:	123.38689	1.0000	g/100cc
4.	n-Propanol	Column 2:	127.38589	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 27 Feb 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0748	0.0753	0.0005	0.0750	0.0768	
(g/100cc)	0.0791	0.0782	0.0009	0.0786		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

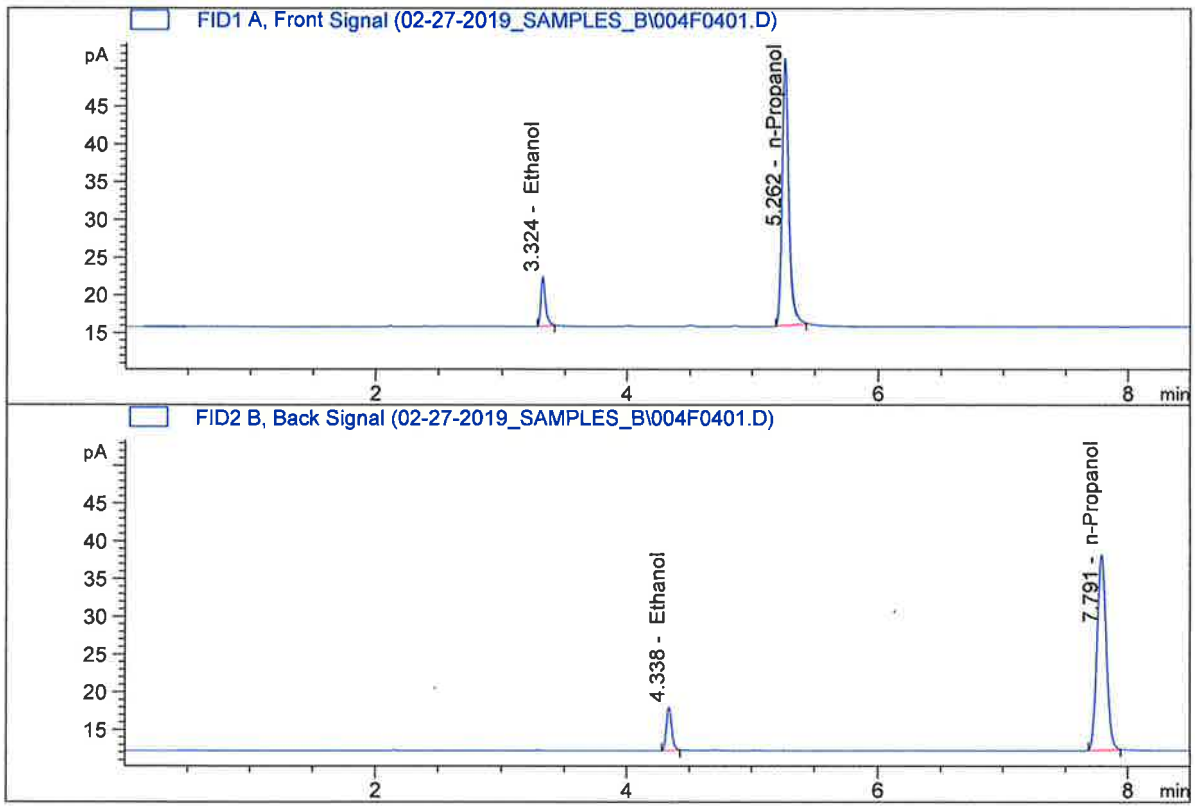
Overall Mean (g/100cc)	Low	High	5% of Mean
0.076	**0.072**	**0.080**	**0.004**

	Reported Result	
	0.076	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

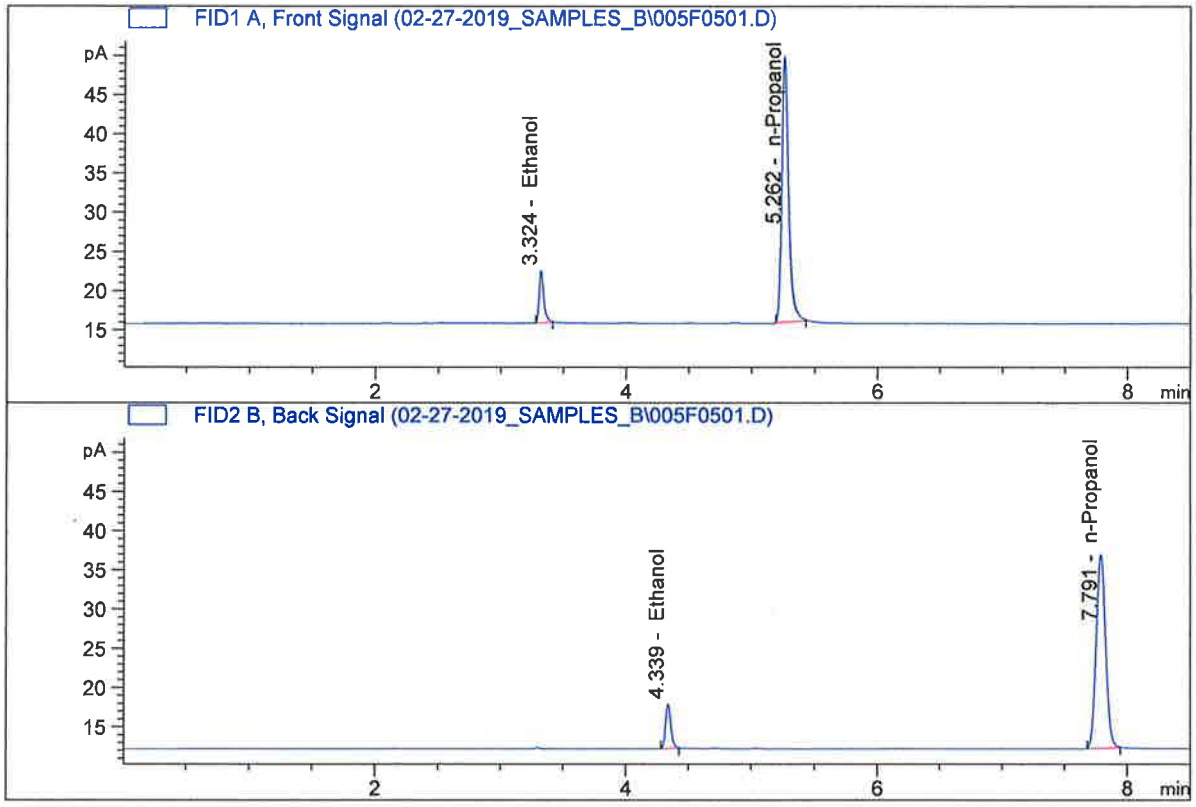
Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.97632	0.0748	g/100cc
2.	Ethanol	Column 2:	17.18571	0.0753	g/100cc
3.	n-Propanol	Column 1:	131.15617	1.0000	g/100cc
4.	n-Propanol	Column 2:	134.95871	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.18659	0.0791	g/100cc
2.	Ethanol	Column 2:	17.05667	0.0782	g/100cc
3.	n-Propanol	Column 1:	125.55871	1.0000	g/100cc
4.	n-Propanol	Column 2:	128.91087	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA **Analysis Date(s): 27 Feb 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0807	0.0805	0.0002	0.0806	0.0801	
(g/100cc)	0.0800	0.0793	0.0007	0.0796		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

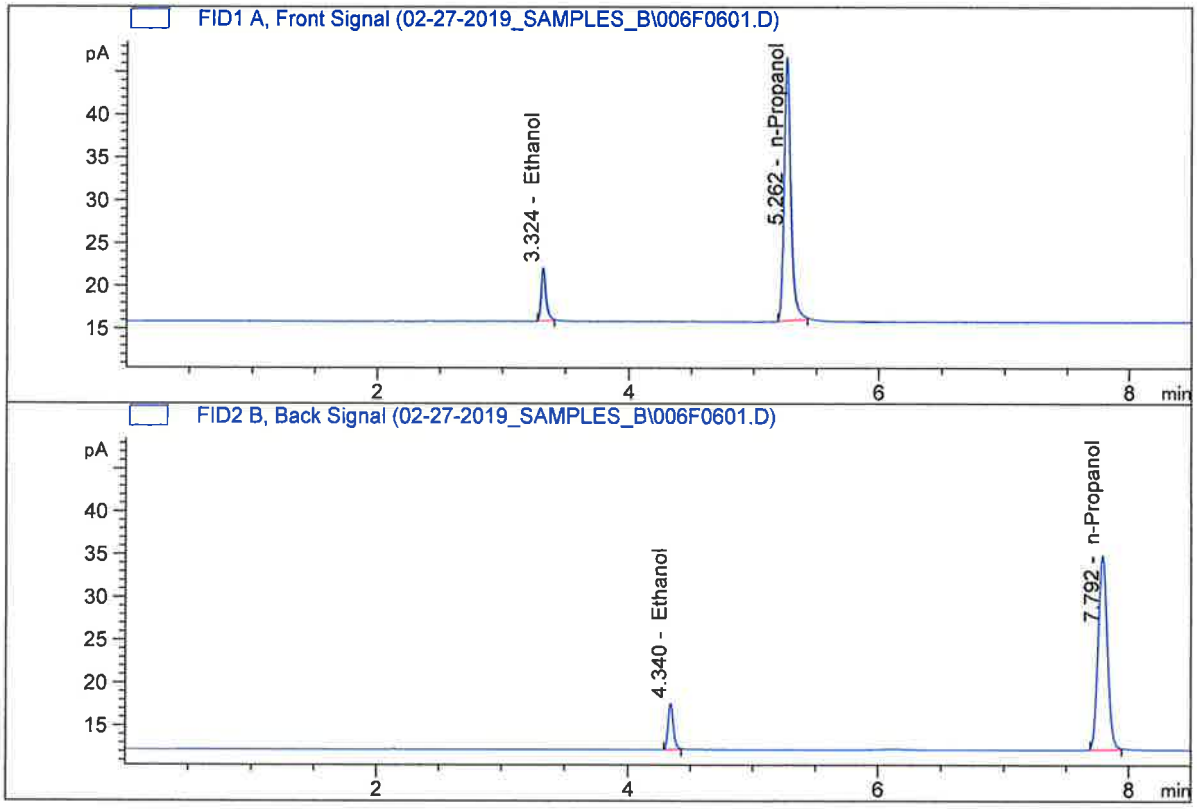
Overall Mean (g/100cc)	Low	High	5% of Mean
0.080	**0.076**	**0.084**	**0.004**

	Reported Result	
	0.080	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

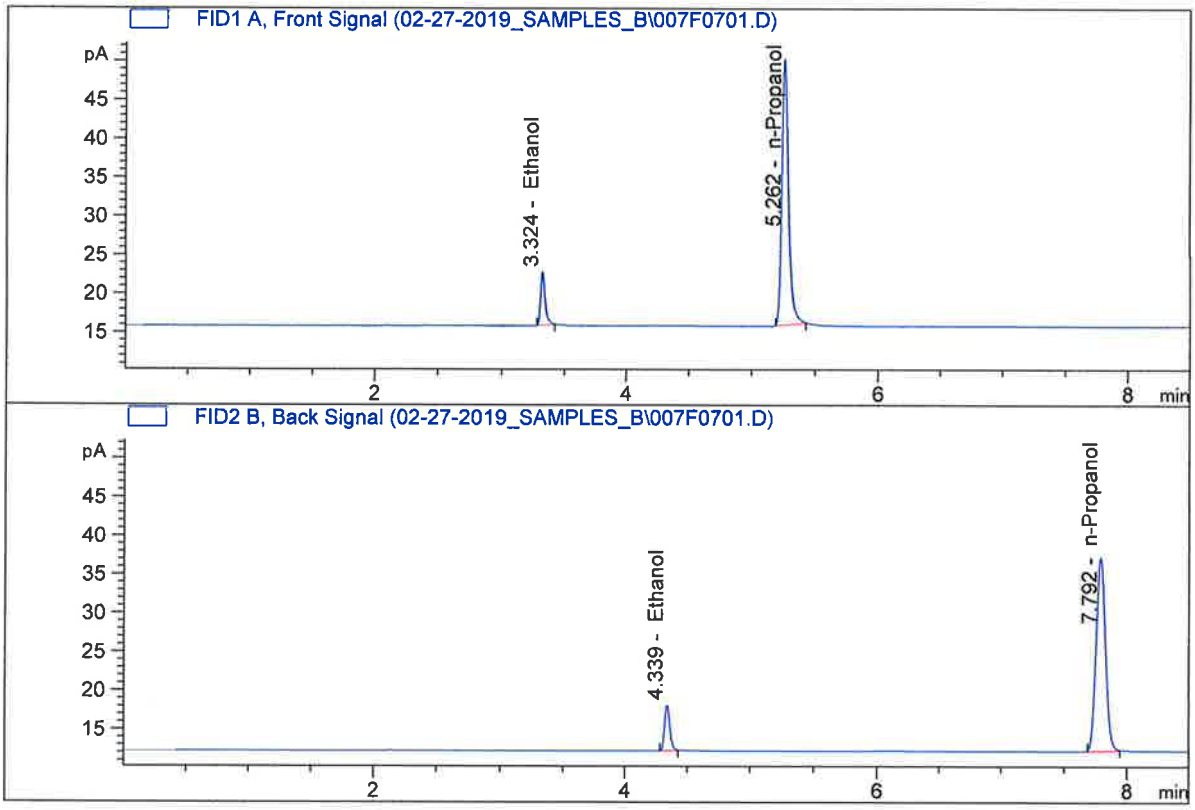
Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.00398	0.0807	g/100cc
2.	Ethanol	Column 2:	16.07350	0.0805	g/100cc
3.	n-Propanol	Column 1:	114.54961	1.0000	g/100cc
4.	n-Propanol	Column 2:	118.06371	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.62009	0.0800	g/100cc
2.	Ethanol	Column 2:	17.49550	0.0793	g/100cc
3.	n-Propanol	Column 1:	127.32005	1.0000	g/100cc
4.	n-Propanol	Column 2:	130.39127	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 27 Feb 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1987	0.1981	0.0006	0.1984	0.1990	
(g/100cc)	0.1991	0.2001	0.0010	0.1996		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

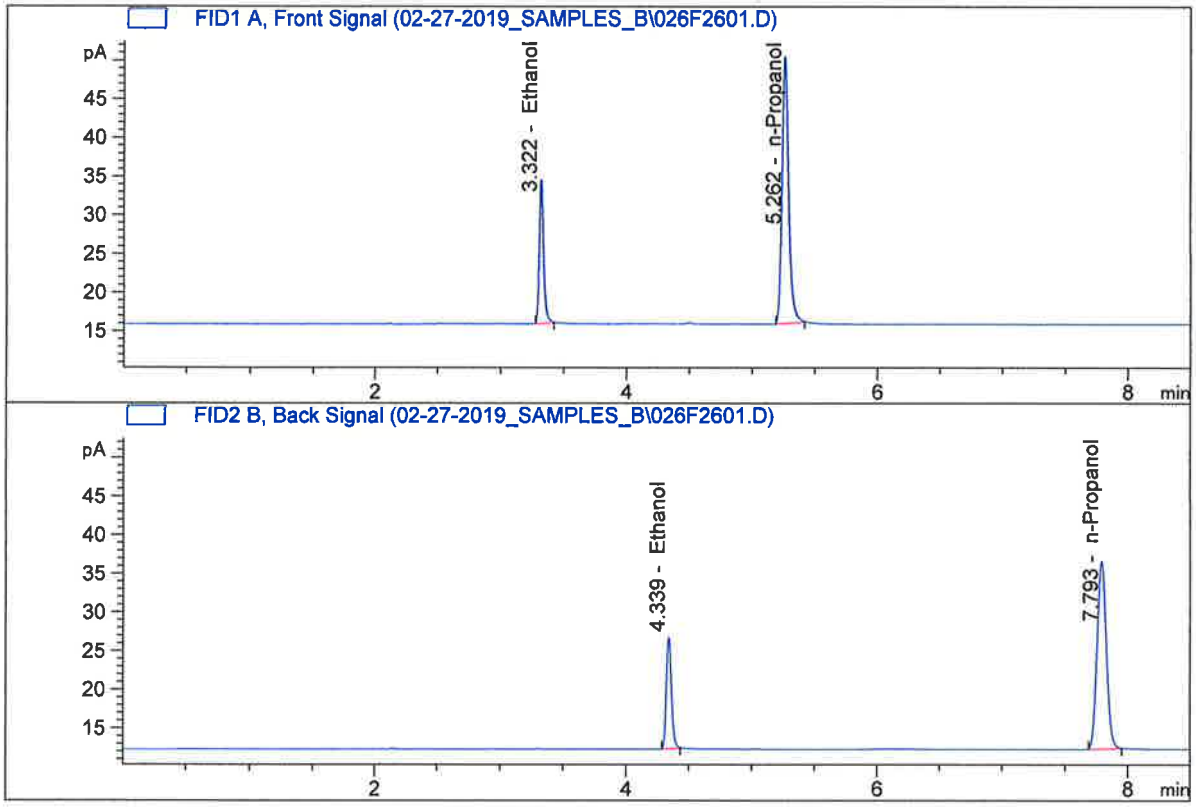
Overall Mean (g/100cc)	Low	High	5% of Mean
0.199	**0.189**	**0.209**	**0.010**

	Reported Result	
	0.199	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

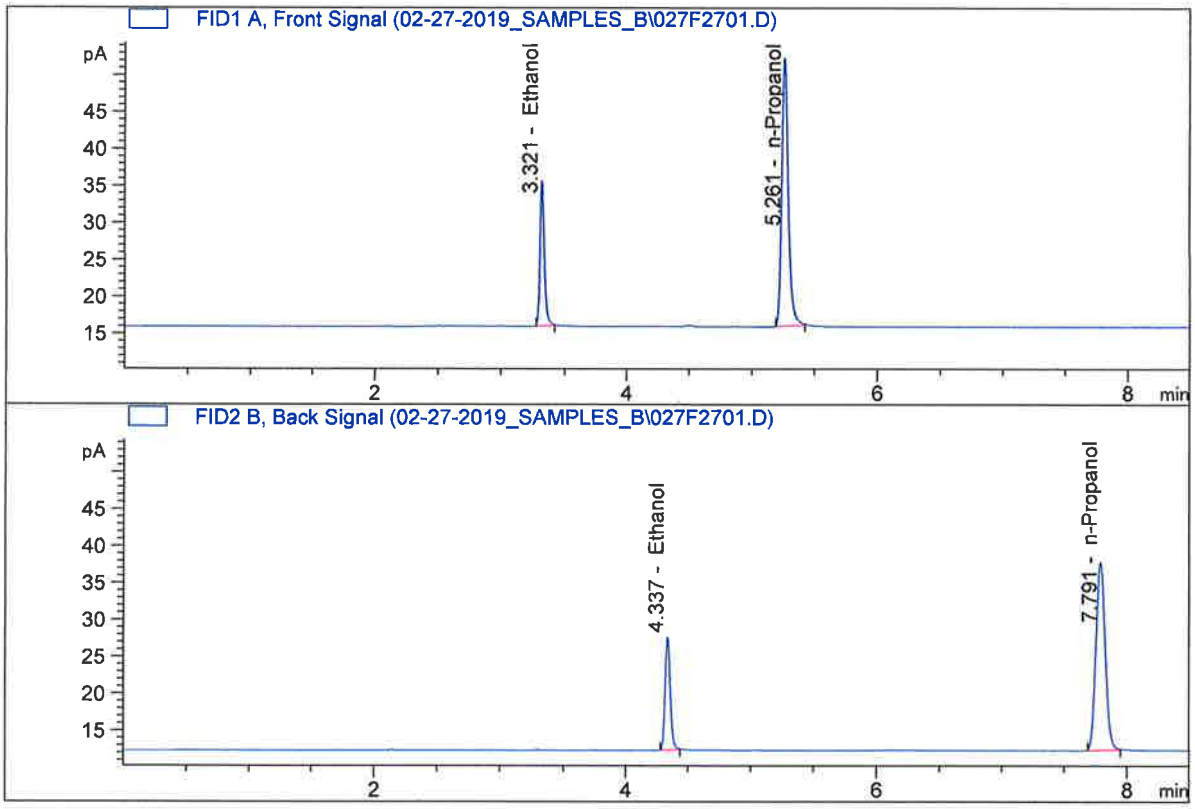
Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	43.43618	0.1987	g/100cc
2.	Ethanol	Column 2:	42.54168	0.1981	g/100cc
3.	n-Propanol	Column 1:	126.26624	1.0000	g/100cc
4.	n-Propanol	Column 2:	126.95900	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : Feb 27, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.86538	0.1991	g/100cc
2.	Ethanol	Column 2:	45.03246	0.2001	g/100cc
3.	n-Propanol	Column 1:	133.07600	1.0000	g/100cc
4.	n-Propanol	Column 2:	133.06352	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 28 Feb 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0794	0.0792	0.0002	0.0793	0.0793	
(g/100cc)	0.0797	0.0791	0.0006	0.0794		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

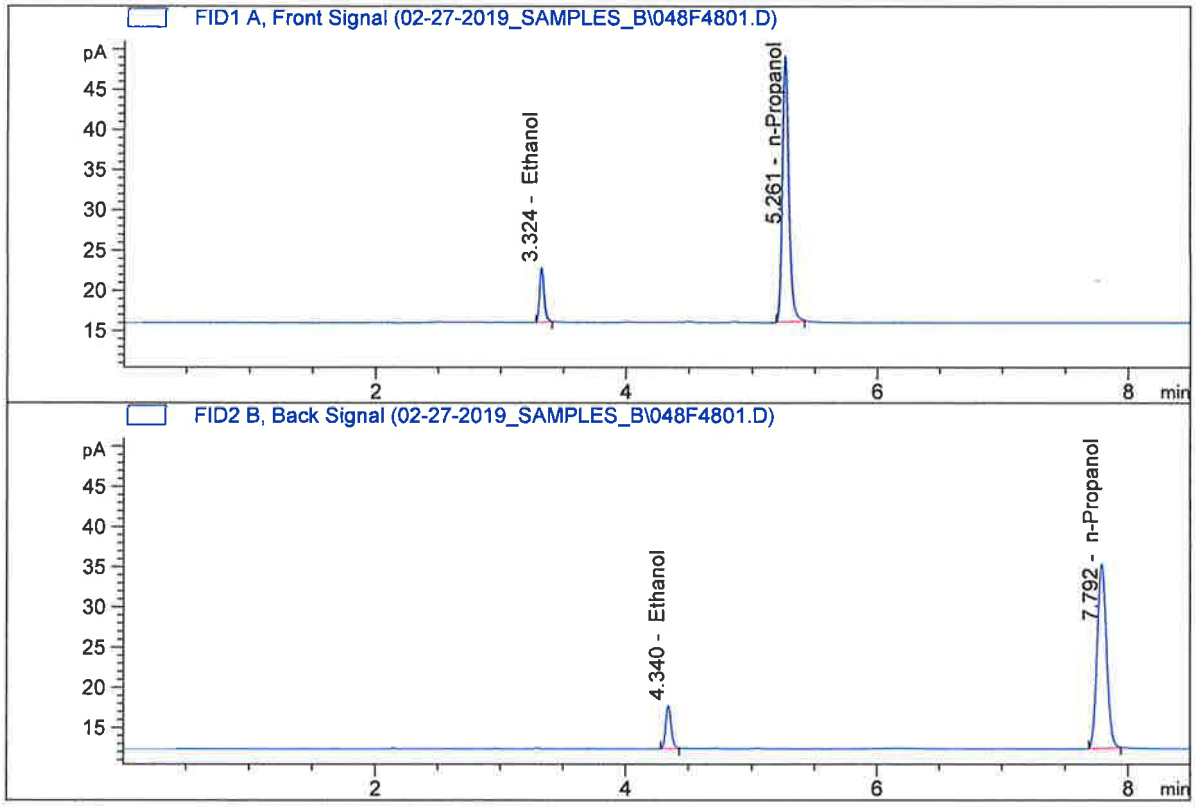
Overall Mean (g/100cc)	Low	High	5% of Mean
0.079	0.075	0.083	0.004

	Reported Result	
	0.079	

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

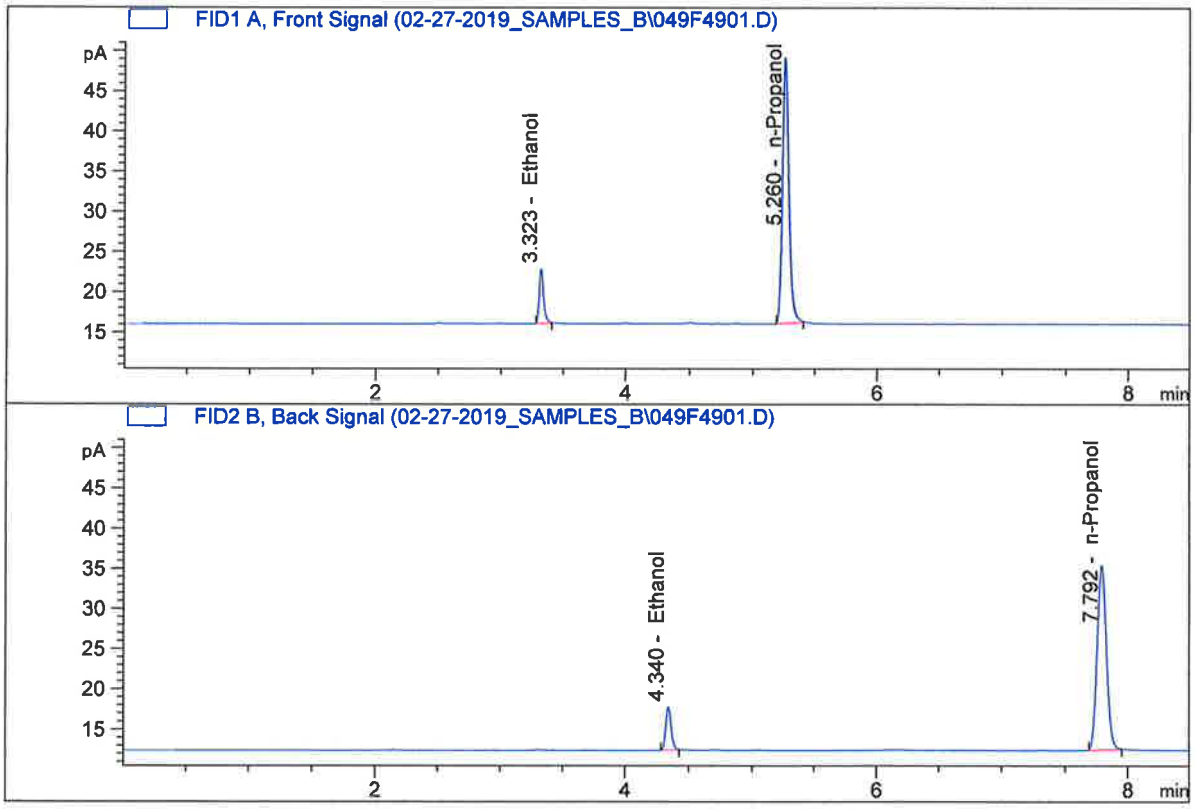
Sample Name : QC1-2-A
Laboratory : Pocatello
Injection Date : Feb 28, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.54378	0.0794	g/100cc
2.	Ethanol	Column 2:	16.06394	0.0792	g/100cc
3.	n-Propanol	Column 1:	120.35899	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.91837	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Pocatello
Injection Date : Feb 28, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.58485	0.0797	g/100cc
2.	Ethanol	Column 2:	16.05191	0.0791	g/100cc
3.	n-Propanol	Column 1:	120.27491	1.0000	g/100cc
4.	n-Propanol	Column 2:	119.98129	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 28 Feb 2019**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.2007	0.1998	0.0009	0.2002	0.1979	
(g/100cc)	0.1961	0.1953	0.0008	0.1957		

Analysis Method

Refer to Blood Alcohol Method #1

Instrument Information *Instrument method is stored centrally.*

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

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.197	**0.187**	**0.207**	**0.010**

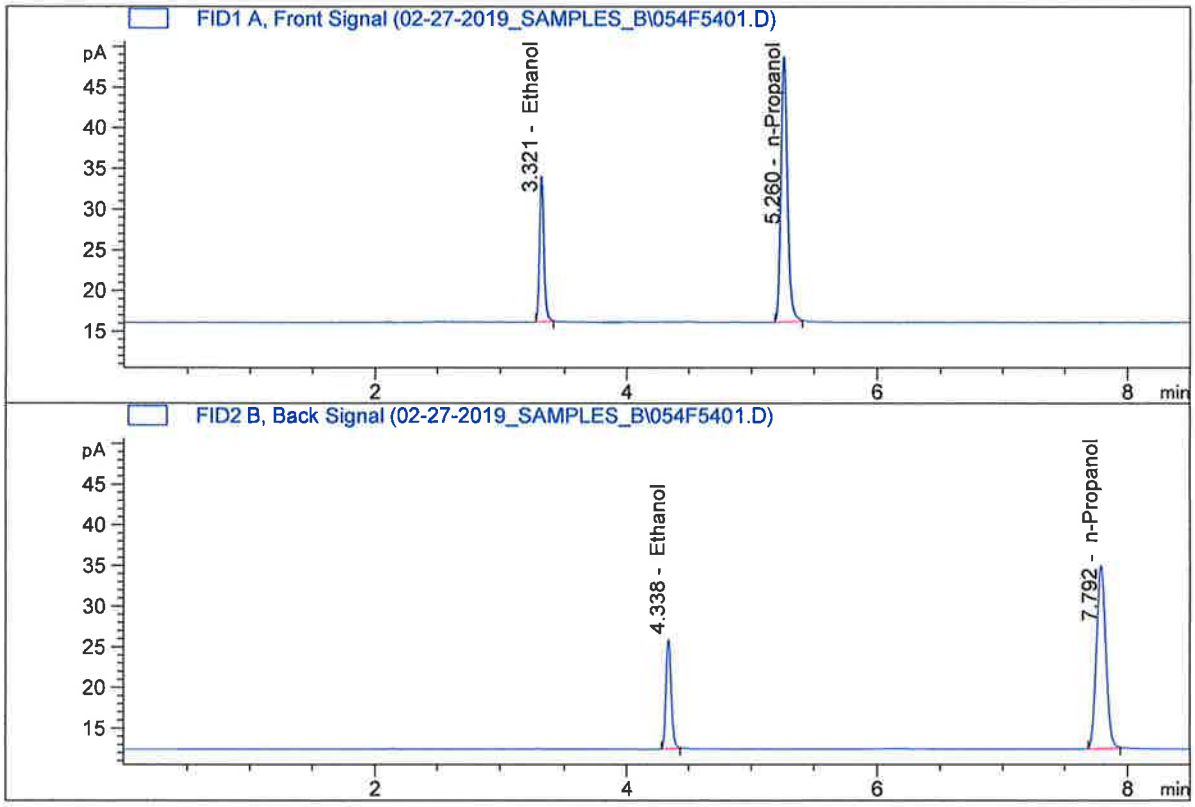
	Reported Result	
	0.197	

Calibration and control data are stored centrally.

RC

ISP Forensic Services Blood Alcohol Report

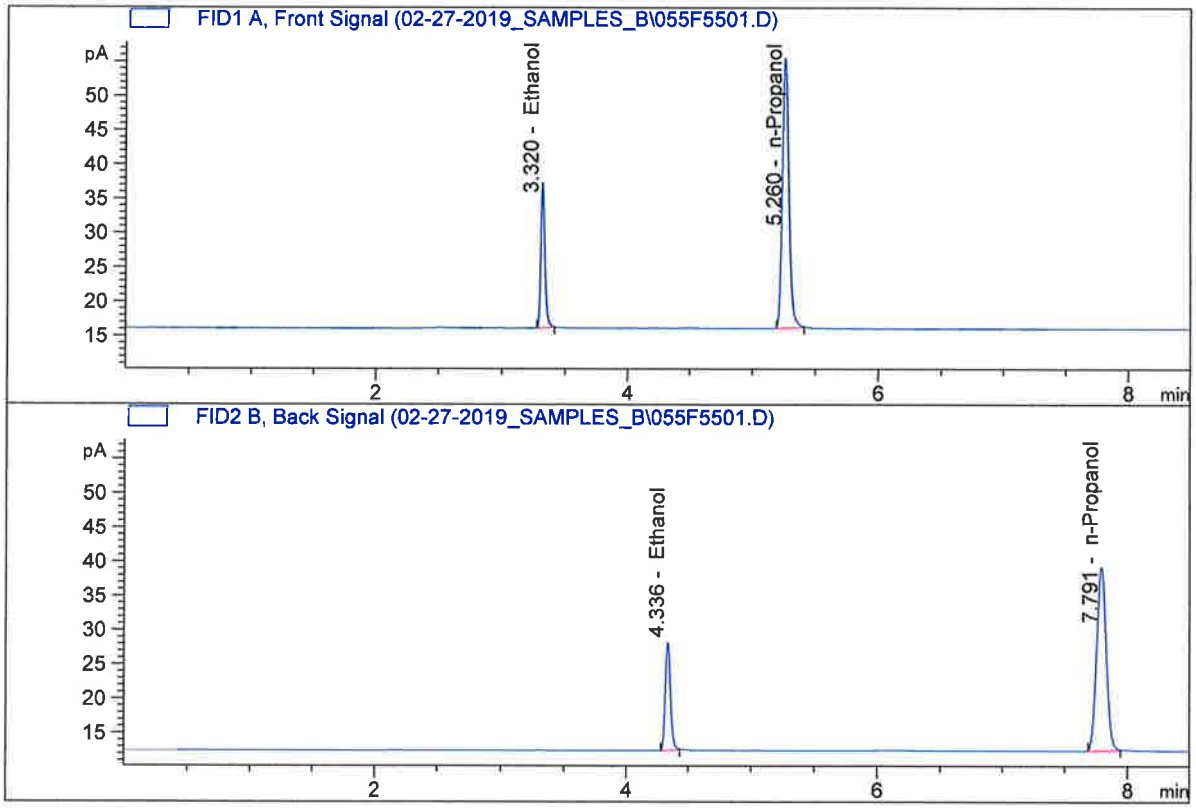
Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : Feb 28, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	41.27024	0.2007	g/100cc
2.	Ethanol	Column 2:	39.67246	0.1998	g/100cc
3.	n-Propanol	Column 1:	118.77626	1.0000	g/100cc
4.	n-Propanol	Column 2:	117.36791	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

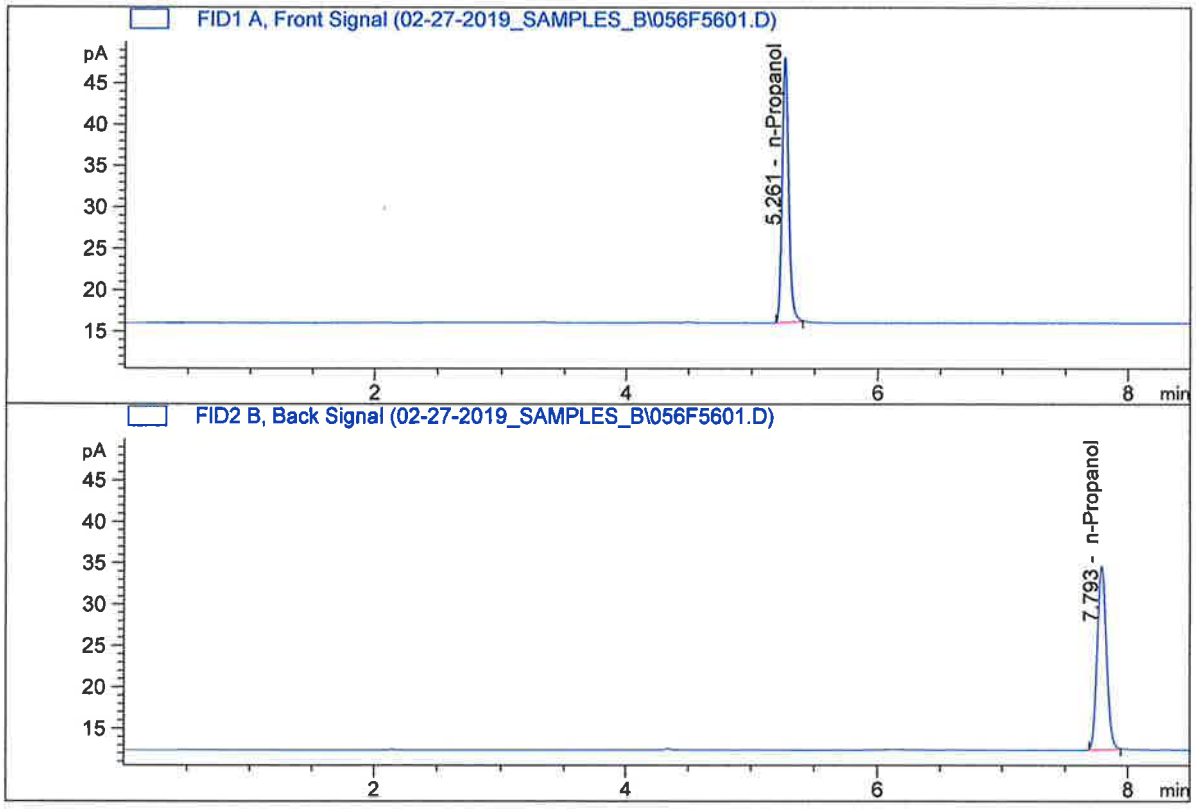
Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : Feb 28, 2019
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	48.51729	0.1961	g/100cc
2.	Ethanol	Column 2:	46.26527	0.1953	g/100cc
3.	n-Propanol	Column 1:	142.90987	1.0000	g/100cc
4.	n-Propanol	Column 2:	140.05490	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD BLK
Laboratory : Pocatello
Injection Date : Feb 28, 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:	116.34631	1.0000	g/100cc
4.	n-Propanol	Column 2:	115.89378	1.0000	g/100cc

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_27.02.2019_05.47.29\27FEB2019RC.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_27.02.2019_05.47.29\27FEB2019RC.S
Data directory path: C:\Chem32\1\Data\02-27-2019_SAMPLES_B
Logbook: C:\Chem32\1\Data\02-27-2019_SAMPLES_B\27FEB2019RC.LOG
Sequence start: 2/27/2019 6:01:21 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	P2019-0471-1-A	-	1.0000	008F0801.D	6
9	9	1	P2019-0471-1-B	-	1.0000	009F0901.D	4
10	10	1	P2019-0472-1-A	-	1.0000	010F1001.D	6
11	11	1	P2019-0472-1-B	-	1.0000	011F1101.D	6
12	12	1	P2019-0484-1-A	-	1.0000	012F1201.D	2
13	13	1	P2019-0484-1-B	-	1.0000	013F1301.D	2
14	14	1	P2019-0509-1-A	-	1.0000	014F1401.D	4
15	15	1	P2019-0509-1-B	-	1.0000	015F1501.D	6
16	16	1	P2019-0529-2-A	-	1.0000	016F1601.D	6
17	17	1	P2019-0529-2-B	-	1.0000	017F1701.D	4
18	18	1	P2019-0540-1-A	-	1.0000	018F1801.D	4
19	19	1	P2019-0540-1-B	-	1.0000	019F1901.D	4
20	20	1	P2019-0551-1-A	-	1.0000	020F2001.D	4
21	21	1	P2019-0551-1-B	-	1.0000	021F2101.D	4
22	22	1	P2019-0552-1-A	-	1.0000	022F2201.D	6
23	23	1	P2019-0552-1-B	-	1.0000	023F2301.D	6
24	24	1	P2019-0553-1-A	-	1.0000	024F2401.D	2
25	25	1	P2019-0553-1-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	P2019-0555-1-A	-	1.0000	028F2801.D	2
29	29	1	P2019-0555-1-B	-	1.0000	029F2901.D	2
30	30	1	P2019-0573-1-A	-	1.0000	030F3001.D	4
31	31	1	P2019-0573-1-B	-	1.0000	031F3101.D	4
32	32	1	P2019-0577-1-A 577-1-A RC	-	1.0000	032F3201.D	4
33	33	1	P2019-0577-1-B 577-1-B RC	-	1.0000	033F3301.D	5
34	34	1	P2019-0584-1-A	-	1.0000	034F3401.D	6
35	35	1	P2019-0584-1-B	-	1.0000	035F3501.D	6
36	36	1	P2019-0589-1-A	-	1.0000	036F3601.D	6
37	37	1	P2019-0589-1-B	-	1.0000	037F3701.D	6
38	38	1	P2019-0592-1-A	-	1.0000	038F3801.D	4
39	39	1	P2019-0592-1-B	-	1.0000	039F3901.D	4
40	40	1	P2019-0598-1-A	-	1.0000	040F4001.D	6
41	41	1	P2019-0598-1-B	-	1.0000	041F4101.D	6
42	42	1	P2019-0599-1-A	-	1.0000	042F4201.D	2
43	43	1	P2019-0599-1-B	-	1.0000	043F4301.D	2
44	44	1	P2019-0600-1-A	-	1.0000	044F4401.D	2
45	45	1	P2019-0600-1-B	-	1.0000	045F4501.D	2
46	46	1	P2019-0600-2-A	-	1.0000	046F4601.D	2

RC

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_27.02.2019_05.47.29\27FEB2019RC.S

Run #	Location #	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	Cmp #
47	47	1	P2019-0600-2-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	P2019-0604-2-A	-	1.0000	050F5001.D		2
51	51	1	P2019-0604-2-B	-	1.0000	051F5101.D		2
52	52	1	~~P2019-0688-1-A~~ rc M2019-0688-1-A	-	1.0000	052F5201.D		2
53	53	1	~~P2019-0688-1-B~~ rc M2019-0688-1-B	-	1.0000	053F5301.D		2
54	54	1	QC2-2-A	-	1.0000	054F5401.D		4
55	55	1	QC2-2-B	-	1.0000	055F5501.D		4
56	56	1	INT STD BLK	-	1.0000	056F5601.D		2

MB 3/4/19

MB 3/4/19

RC