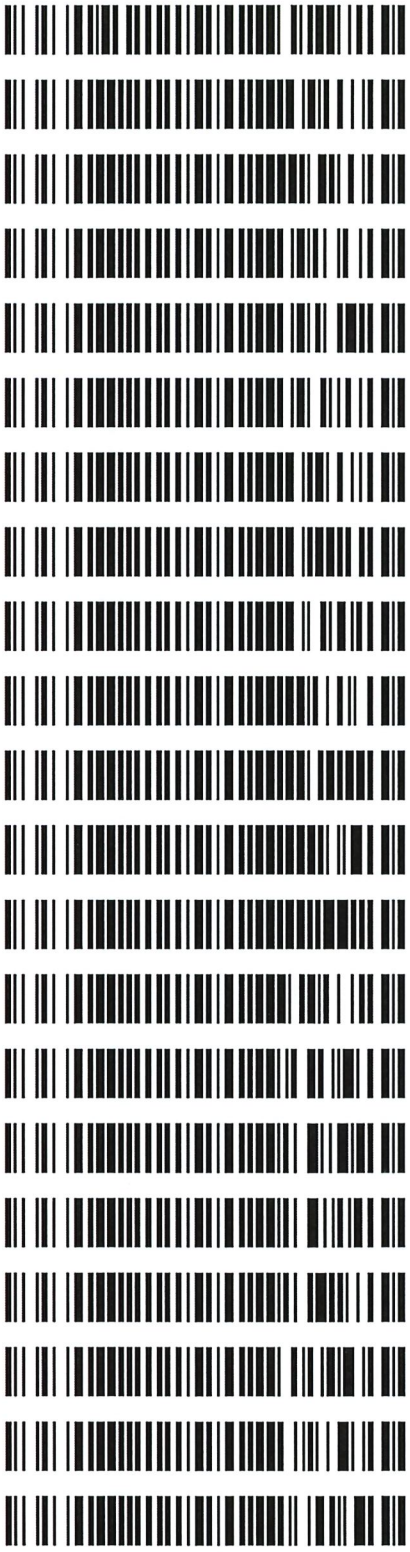
4/24/2020

REVIEWED
By Galina Giso at 2:28 pm, Apr 24, 2020

Worklist: 4152

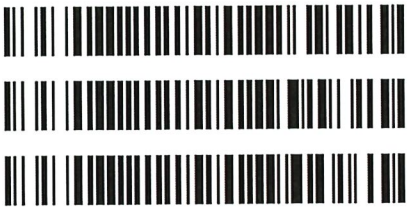
LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2020-0930	2	BCK	Alcohol Analysis
P2020-0612	2	BCK	Alcohol Analysis
P2020-0843	1	BCK	Alcohol Analysis
P2020-0860	1	BCK	Alcohol Analysis
P2020-0861	1	BCK	Alcohol Analysis
P2020-0862	1	BCK	Alcohol Analysis
P2020-0865	1	BCK	Alcohol Analysis
P2020-0866	1	BCK	Alcohol Analysis
P2020-0869	1	BCK	Alcohol Analysis
P2020-0878	1	BCK	Alcohol Analysis
P2020-0880	1	BCK	Alcohol Analysis
P2020-0884	1	BCK	Alcohol Analysis
P2020-0890	1	BCK	Alcohol Analysis
P2020-0903	1	BCK	Alcohol Analysis
P2020-0955	1	BCK	Alcohol Analysis
P2020-0970	1	BCK	Alcohol Analysis
P2020-0971	1	BCK	Alcohol Analysis
P2020-0972	1	BCK	Alcohol Analysis
P2020-1008	1	BCK	Alcohol Analysis
P2020-1013	1	BCK	Alcohol Analysis
P2020-1017	1	BCK	Alcohol Analysis



TS

Worklist: 4152

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2020-1018	1	BCK	Alcohol Analysis
P2020-1045	1	BCK	Alcohol Analysis
P2020-1063	1	BCK	Alcohol Analysis



REVIEWED
By Galina Giso at 2:29 pm, Apr 24, 2020

Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

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

Volatiles Quality Assurance Controls **Run Date(s): 04/23/2020-04/24/2020**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Jan-22	1801036	0.0812	0.0731-0.0893	0.0783 g/100cc
					0.0787 g/100cc
					g/100cc
Level 2	Mar-22	1803028	0.2035	0.1832-0.2238	0.1958 g/100cc
					0.1998 g/100cc
					g/100cc

Multi-Component mixture:		**Lot #**	FN07101701	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	0.0507	0.0509	0.0002	0.0508
100	0.100	0.090 - 0.110	0.0997	0.0995	0.0002	0.0996
200	0.200	0.180 - 0.220	0.1996	0.1995	1E-04	0.1995
300	0.300	0.270 - 0.330	0.2994	0.2994	0	0.2994
400	0.400	0.360 - 0.440			0	#DIV/0!
500	0.500	0.450 - 0.550	0.5005	0.5006	0.0001	0.5005

Aqueous Controls

Control level	Target Value	Acceptable Range	Overall Results
80	0.080	0.076 - 0.084	0.079 g/100cc

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

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, April 23, 2020 10:25:43 AM
Signals calculated separately : No

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

Curve Type : Linear
Origin : Forced
Weight : Equal

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

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

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [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

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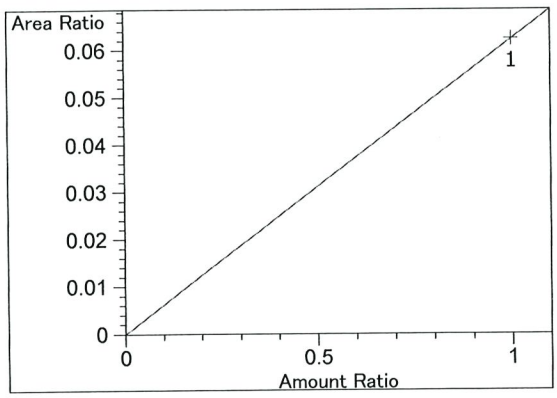
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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
3.531	1	1	5.00000e-2	10.82431	4.61923e-3	No	No	1	Ethanol
		2	1.00000e-1	21.88639	4.56905e-3				
		3	2.00000e-1	45.07541	4.43701e-3				
		4	3.00000e-1	65.94319	4.54937e-3				
		5	5.00000e-1	107.49538	4.65136e-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
4.849	2	1	5.00000e-2	10.48498	4.76873e-3	No	No	2	Ethanol
		2	1.00000e-1	21.08105	4.74360e-3				
		3	2.00000e-1	43.40326	4.60795e-3				
		4	3.00000e-1	63.53371	4.72190e-3				
		5	5.00000e-1	103.60776	4.82589e-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
5.586	1	1	1.00000	107.94635	9.26386e-3	No	Yes	1	n-Propanol
		2	1.00000	111.03121	9.00648e-3				
		3	1.00000	114.21819	8.75517e-3				
		4	1.00000	111.40596	8.97618e-3				
		5	1.00000	108.63707	9.20496e-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
8.849	2	1	1.00000	103.42976	9.66840e-3	No	Yes	2	n-Propanol
		2	1.00000	106.31930	9.40563e-3				
		3	1.00000	109.20680	9.15694e-3				
		4	1.00000	106.50629	9.38912e-3				
		5	1.00000	103.86108	9.62825e-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

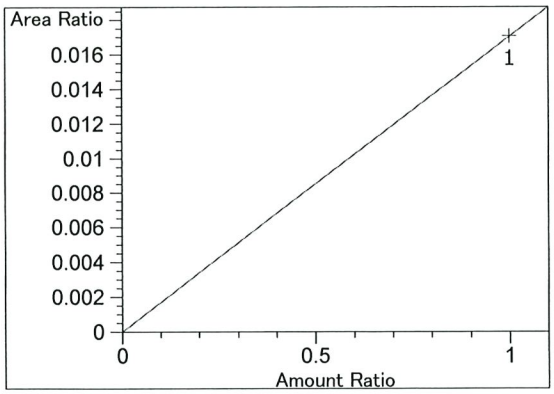
Peak Sum Table

No Entries in table

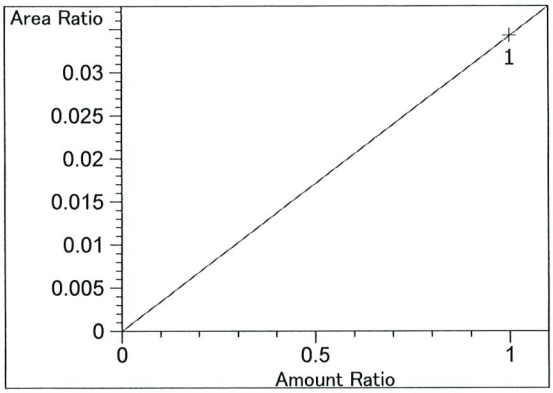
Calibration Curves



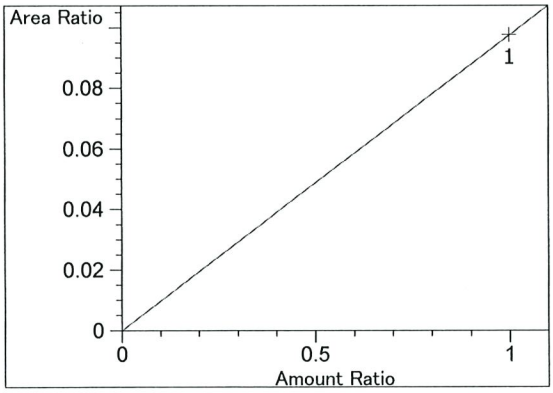
Fluorinated ethane at exp. RT: 2.470
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.23805e-2
x: Amount Ratio
y: Area Ratio



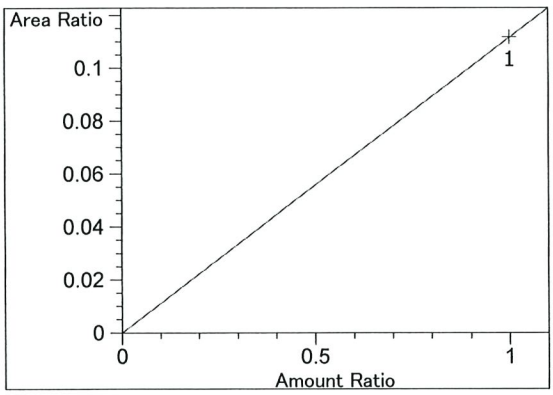
Fluorinated ethane at exp. RT: 2.480
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.70552e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.866
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 3.42457e-2
x: Amount Ratio
y: Area Ratio

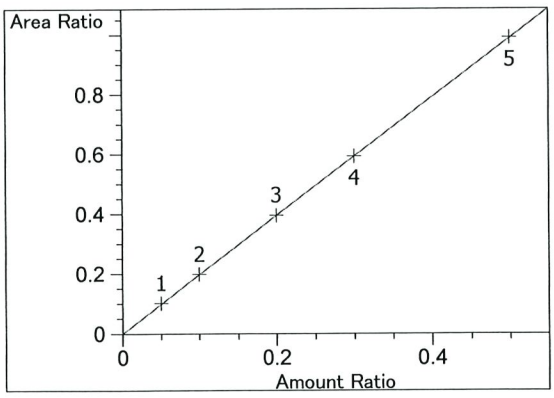


Acetaldehyde at exp. RT: 3.177
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.74929e-2
x: Amount Ratio
y: Area Ratio

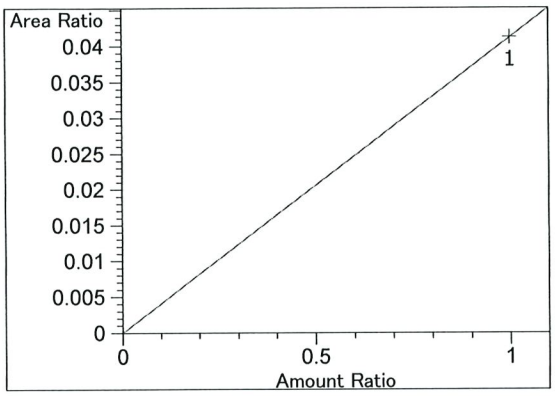


Acetaldehyde at exp. RT: 3.250
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.11641e-1
x: Amount Ratio
y: Area Ratio

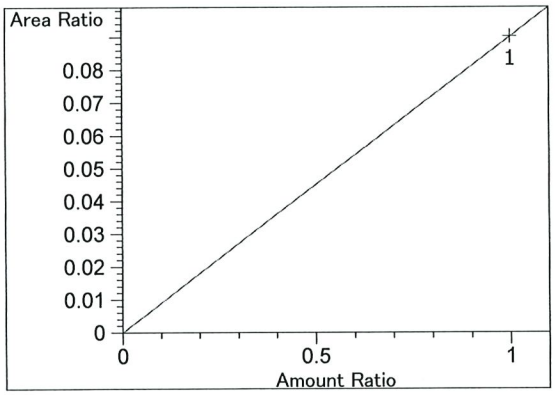
TS



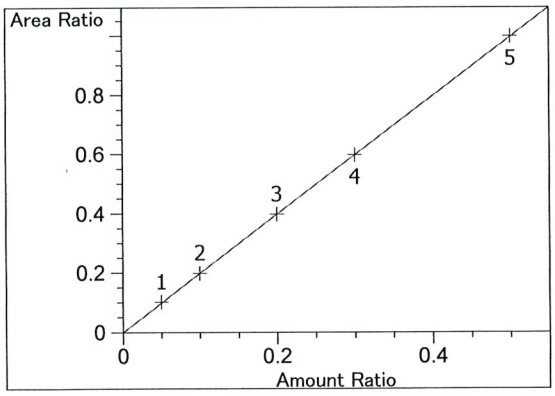
Ethanol at exp. RT: 3.531
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00115
Formula: y = mx
m: 1.97701
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.732
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.11934e-2
x: Amount Ratio
y: Area Ratio

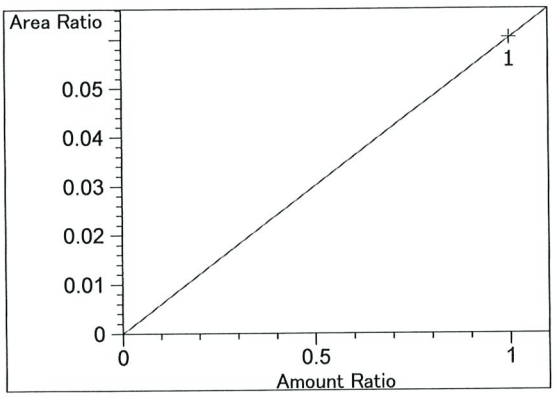


Isopropyl alcohol at exp. RT: 4.245
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.01425e-2
x: Amount Ratio
y: Area Ratio

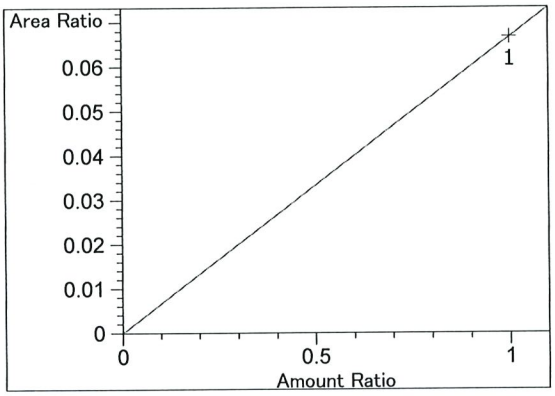


Ethanol at exp. RT: 4.849
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00144
Formula: y = mx
m: 1.99267
x: Amount Ratio
y: Area Ratio

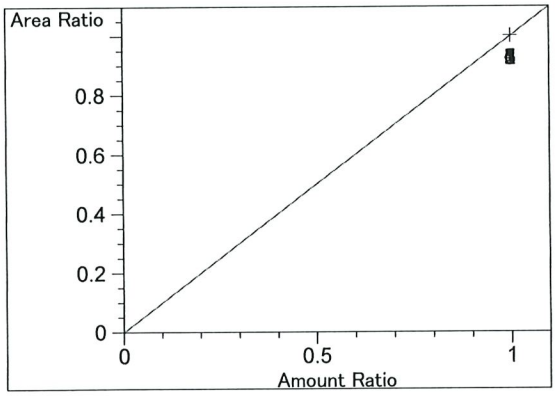
TS



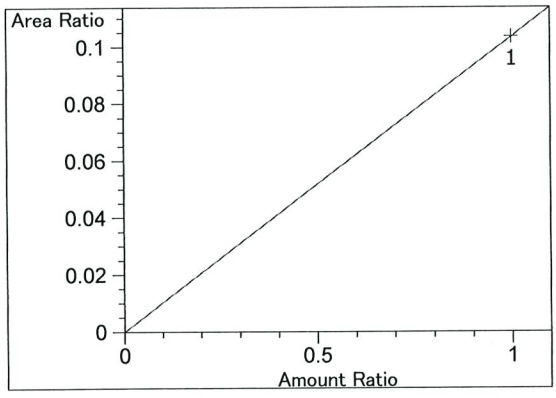
Acetone at exp. RT: 5.159
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.02095e-2
x: Amount Ratio
y: Area Ratio



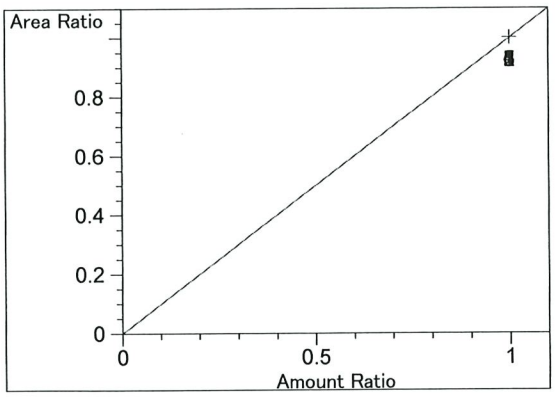
Acetone at exp. RT: 5.278
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.66444e-2
x: Amount Ratio
y: Area Ratio



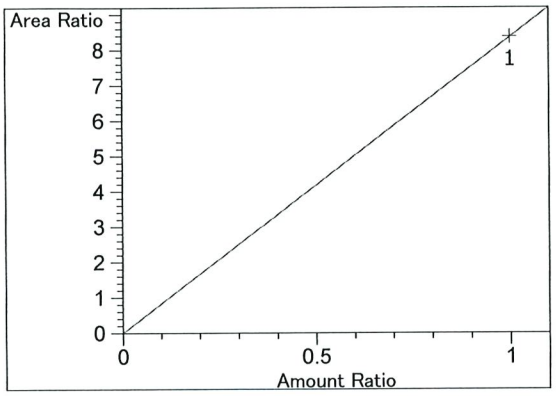
n-Propanol at exp. RT: 5.586
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



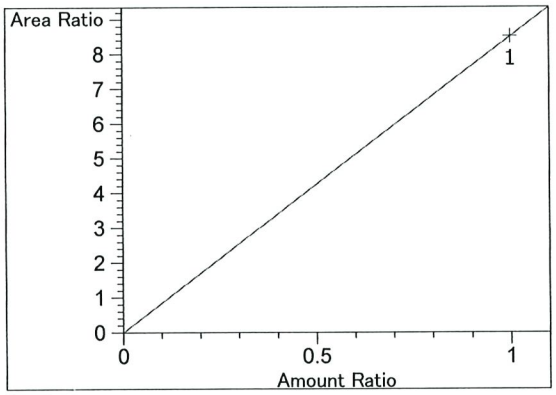
Isopropyl alcohol at exp. RT: 5.657
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.03514e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 8.849
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio



Toluene at exp. RT: 11.631
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.36164
x: Amount Ratio
y: Area Ratio

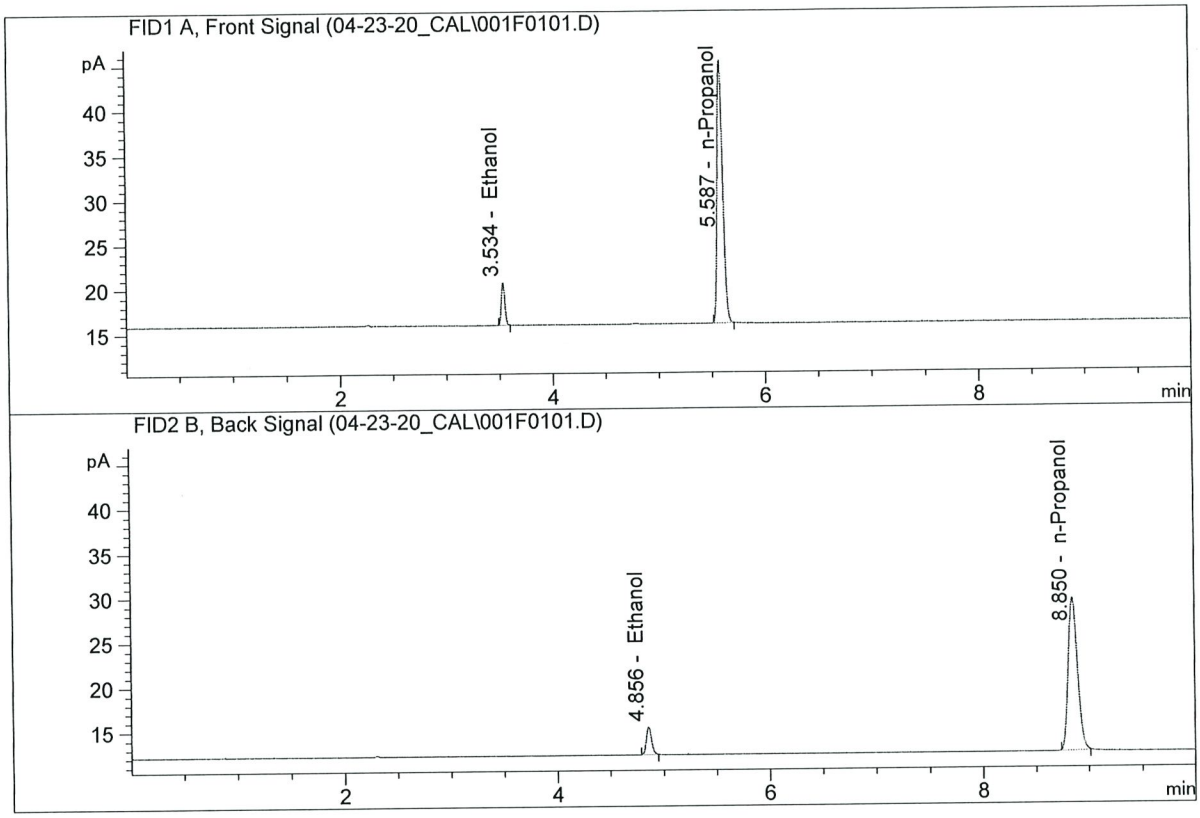


Toluene at exp. RT: 12.229
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 8.50871
x: Amount Ratio
y: Area Ratio

==========

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.050
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.82431	0.0507	g/100cc
2.	Ethanol	Column 2:	10.48498	0.0509	g/100cc
3.	n-Propanol	Column 1:	107.94635	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.42976	1.0000	g/100cc

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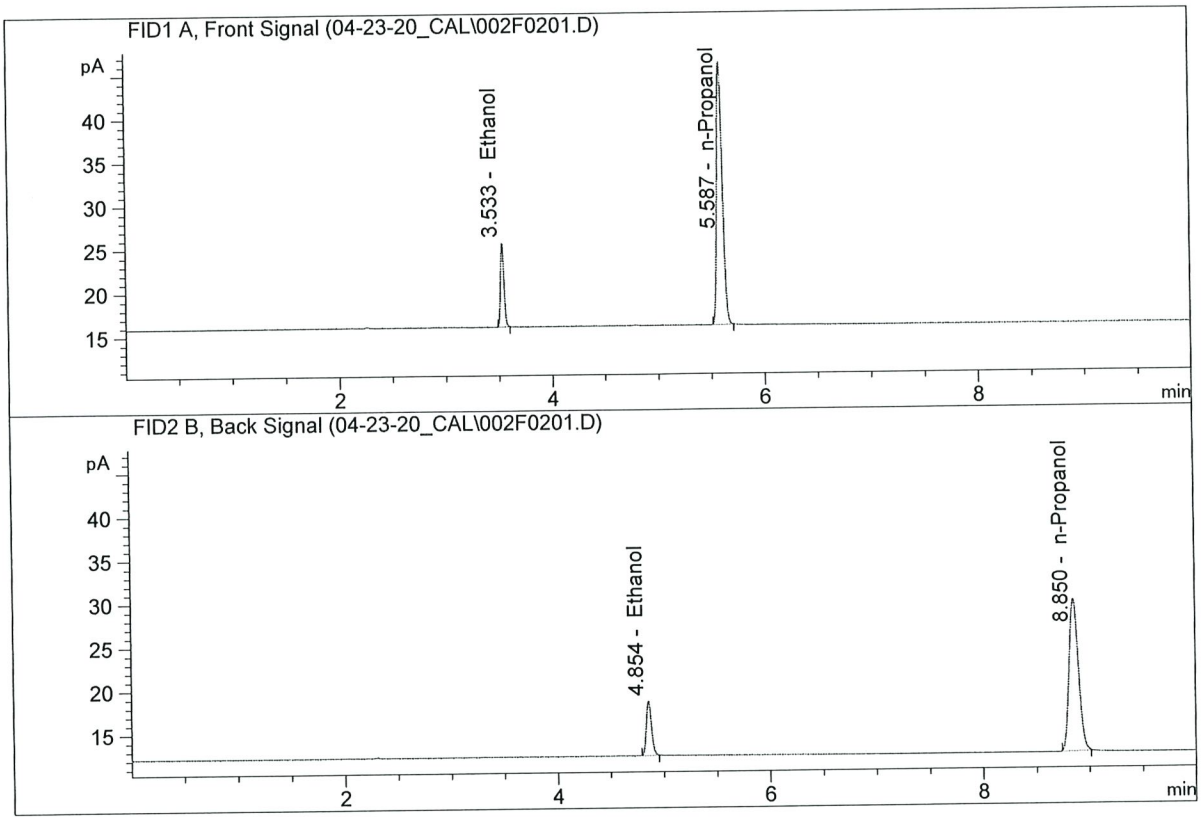
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

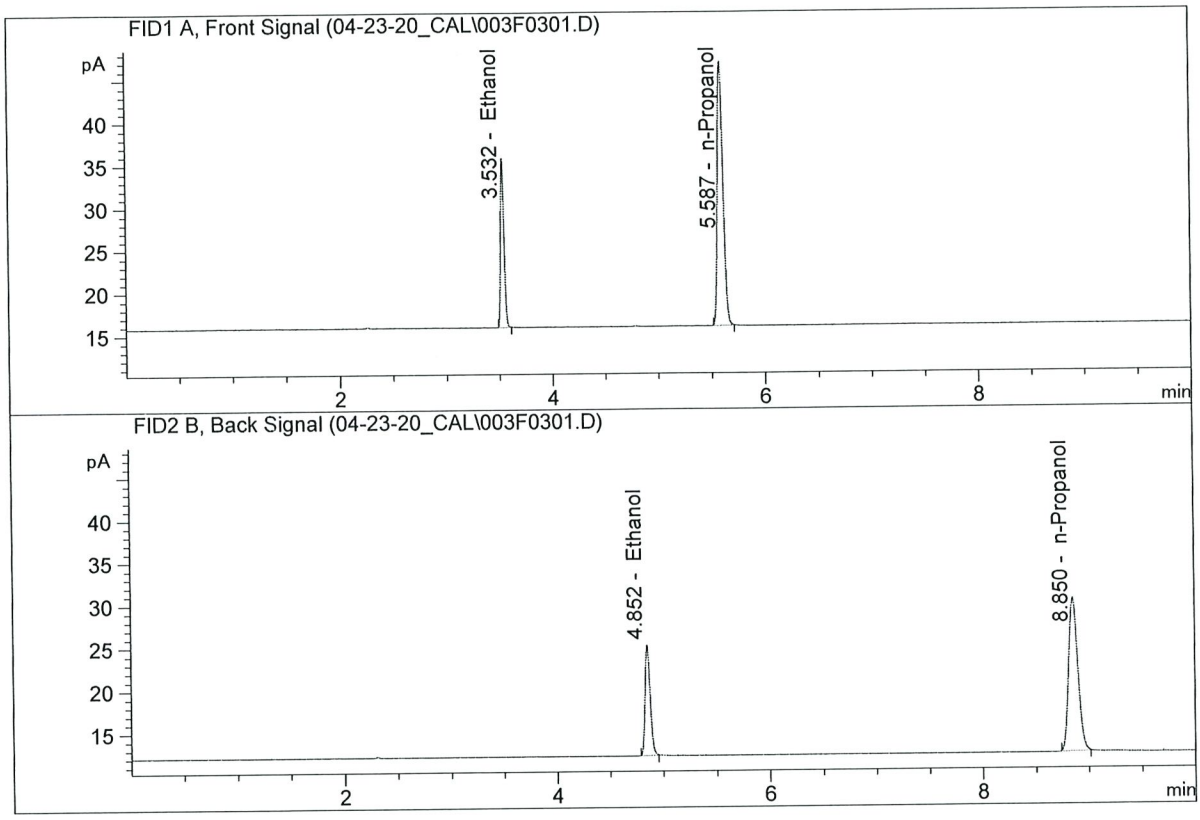


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	21.88639	0.0997	g/100cc
2.	Ethanol	Column 2:	21.08105	0.0995	g/100cc
3.	n-Propanol	Column 1:	111.03121	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.31930	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	45.07541	0.1996	g/100cc
2.	Ethanol	Column 2:	43.40326	0.1995	g/100cc
3.	n-Propanol	Column 1:	114.21819	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.20680	1.0000	g/100cc

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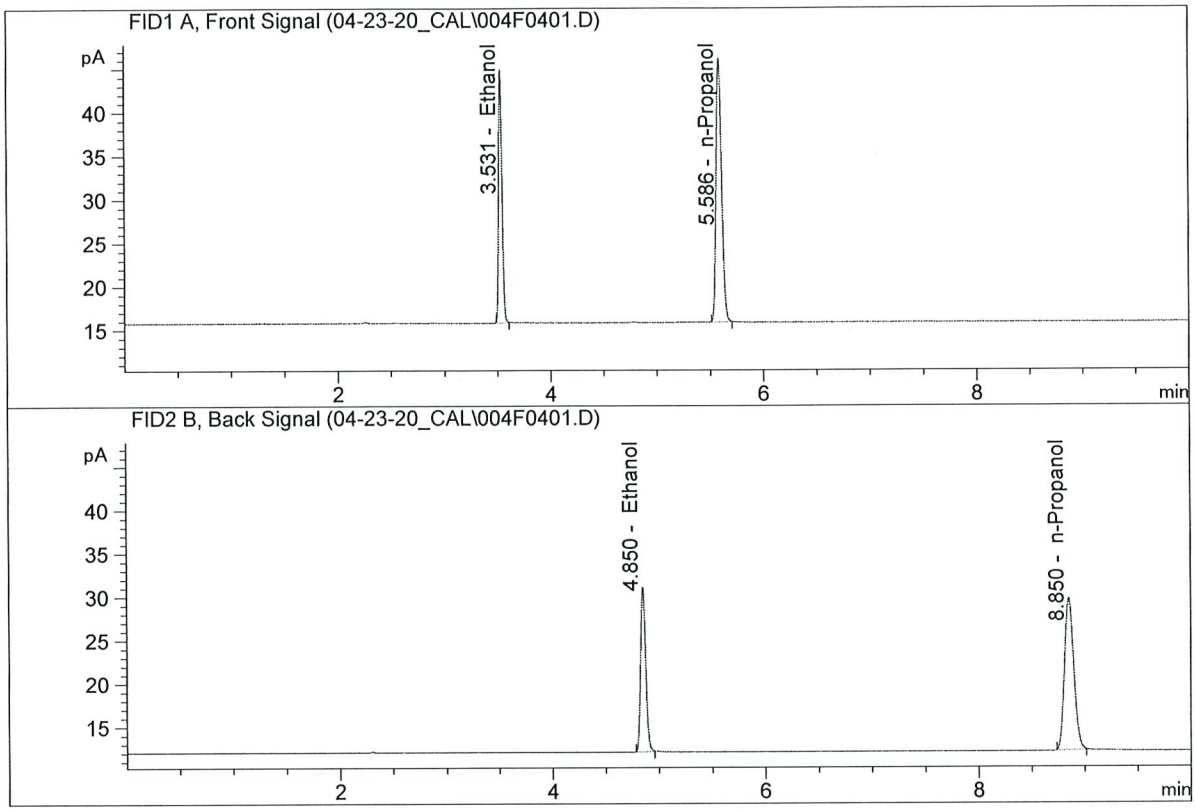
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	65.94319	0.2994	g/100cc
2.	Ethanol	Column 2:	63.53371	0.2994	g/100cc
3.	n-Propanol	Column 1:	111.40596	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.50629	1.0000	g/100cc

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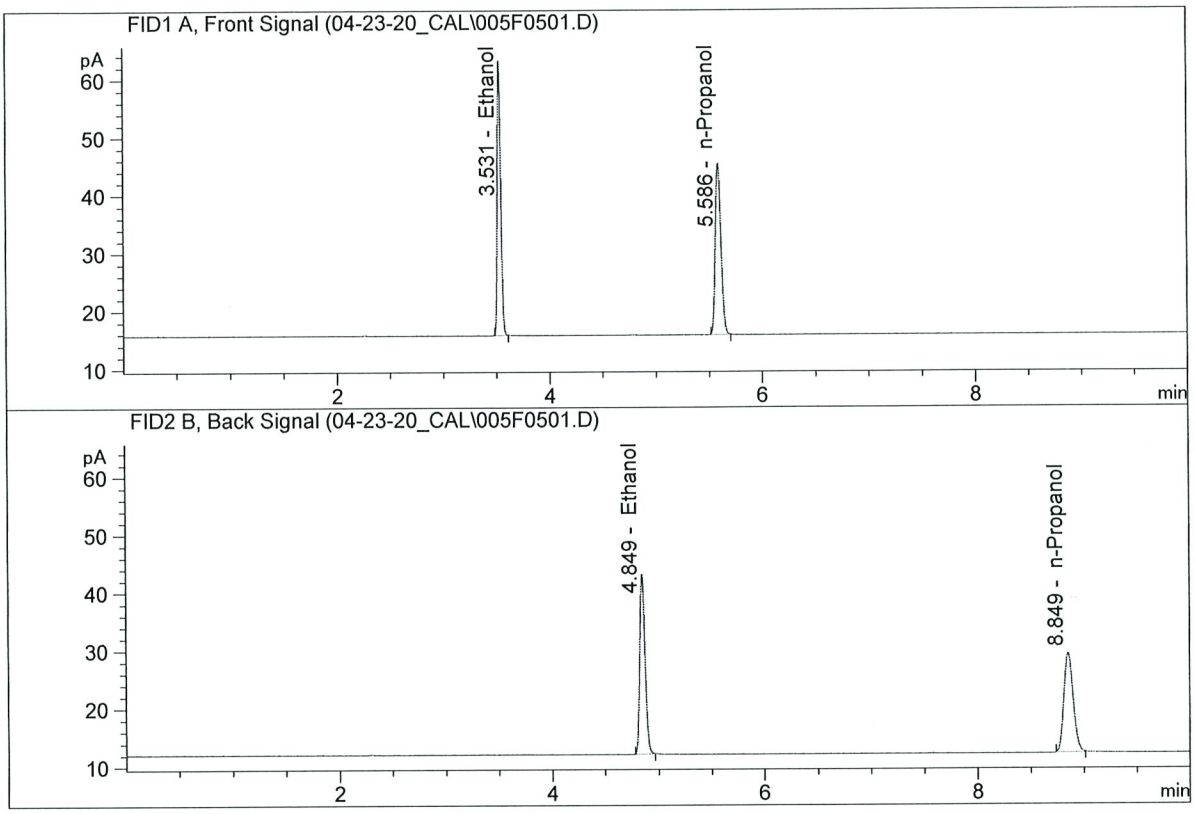
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	107.49538	0.5005	g/100cc
2.	Ethanol	Column 2:	103.60776	0.5006	g/100cc
3.	n-Propanol	Column 1:	108.63707	1.0000	g/100cc
4.	n-Propanol	Column 2:	103.86108	1.0000	g/100cc

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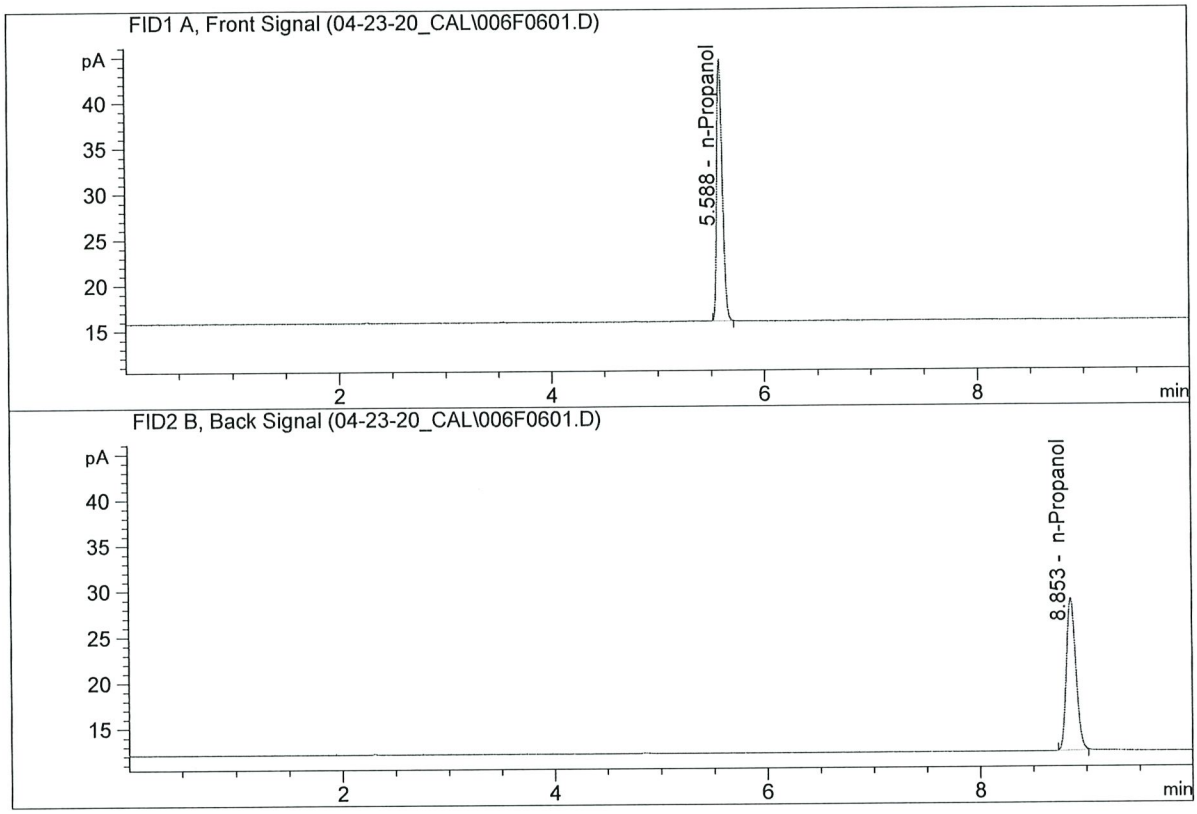
ISP Forensic Services Blood Alcohol Report

Sample Name : INTERNAL STANDARD
Laboratory : Pocatello
Injection Date : Apr 23, 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:	105.32255	1.0000	g/100cc
4.	n-Propanol	Column 2:	101.06364	1.0000	g/100cc

15

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.04.2020_08.40.22\04-23-20_CALS_TS.S

S a m p l e S u m m a r y

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_23.04.2020_08.40.22\04-23-20_CALS_TS.S
Data directory path: C:\Chem32\1\Data\04-23-20_CAL
Logbook: C:\Chem32\1\Data\04-23-20_CAL\04-23-20_CALS_TS.LOG
Sequence start: 4/23/2020 8:54:15 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

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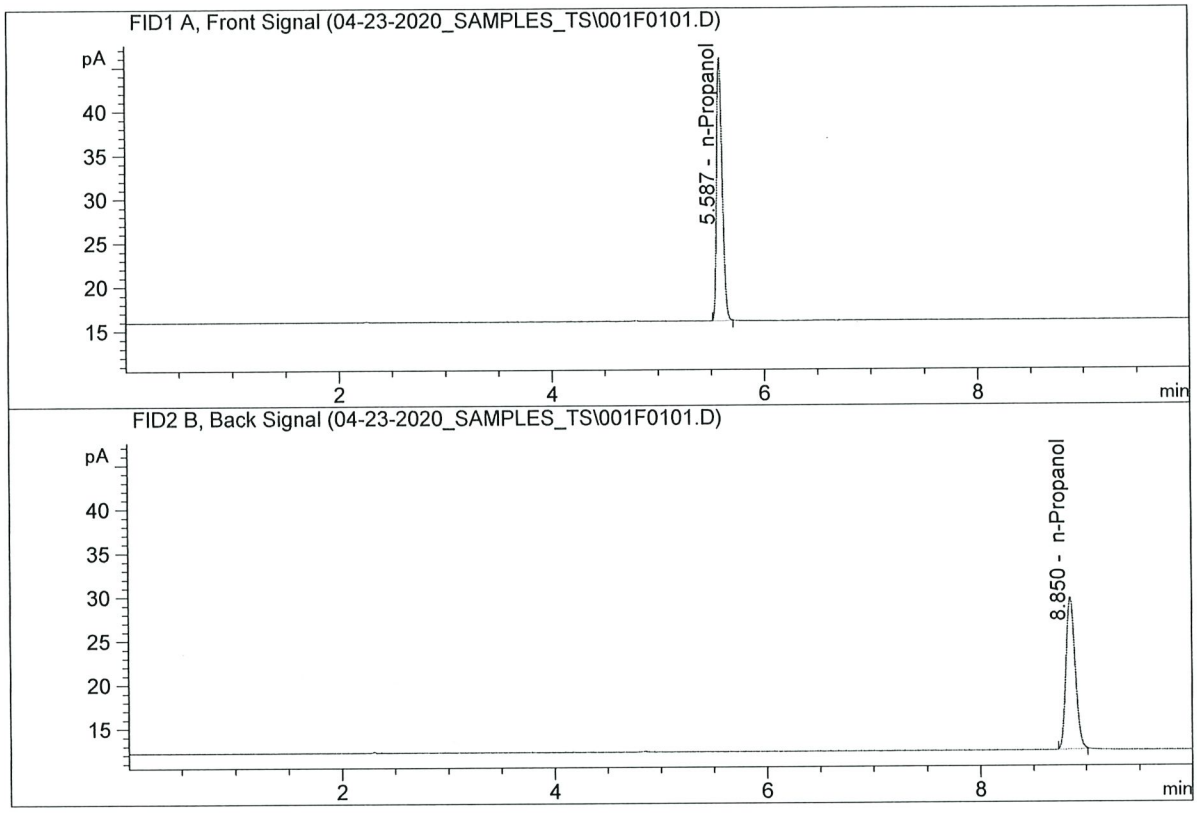
ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 1
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

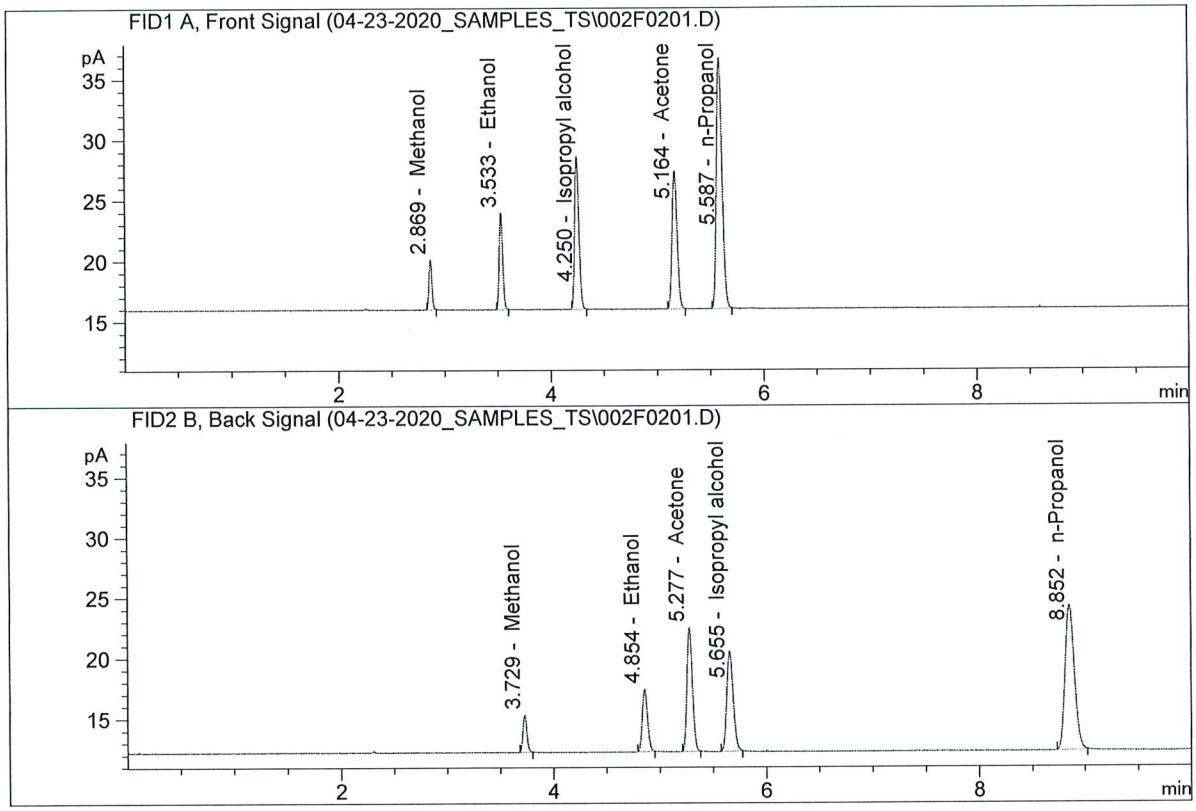


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	109.97058	1.0000	g/100cc
4.	n-Propanol	Column 2:	105.28976	1.0000	g/100cc

15

ISP Forensic Services Blood Alcohol Report

Sample Name : MULTI-COMP MIX
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.17546	0.1204	g/100cc
2.	Ethanol	Column 2:	17.31226	0.1189	g/100cc
3.	n-Propanol	Column 1:	76.33179	1.0000	g/100cc
4.	n-Propanol	Column 2:	73.08910	1.0000	g/100cc

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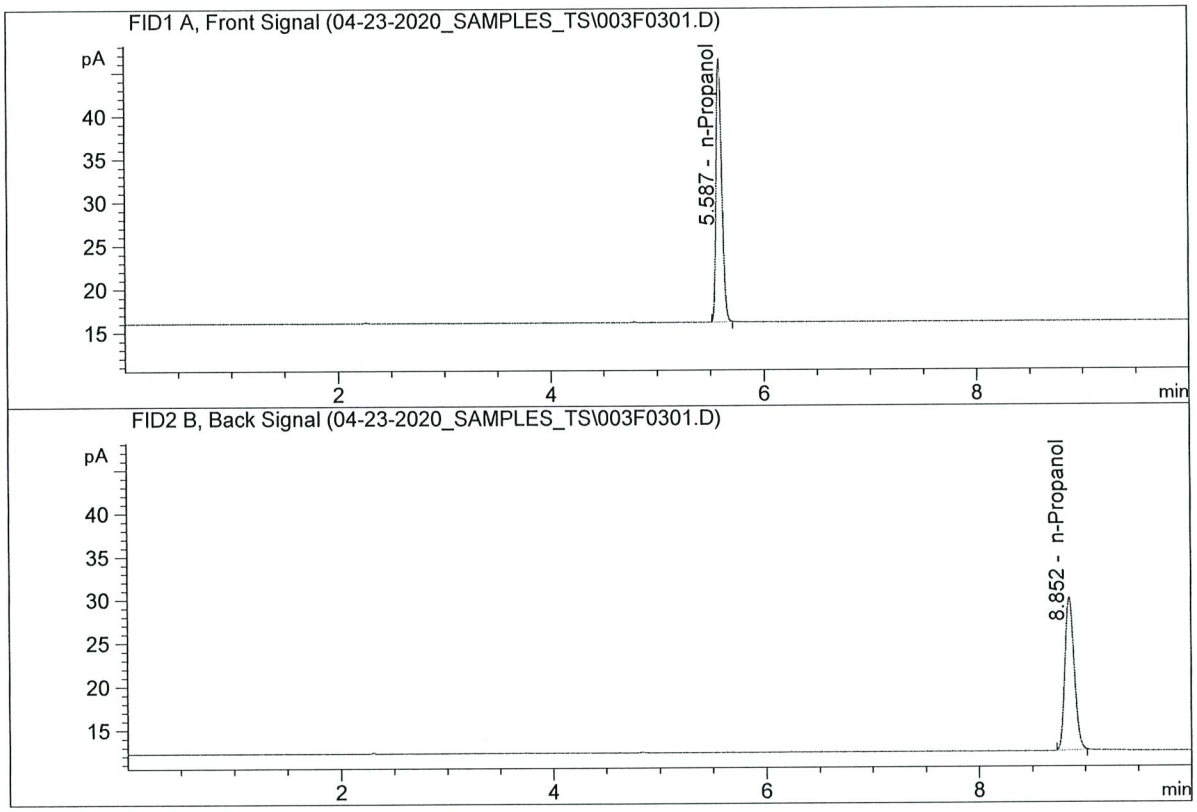
ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 2
Laboratory : Pocatello
Injection Date : Apr 23, 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:	112.02760	1.0000	g/100cc
4.	n-Propanol	Column 2:	107.16695	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-1 **Analysis Date(s): 23 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0785	0.0781	0.0004	0.0783	0.0001	0.0783
(g/100cc)	0.0785	0.0784	0.0001	0.0784		

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%**

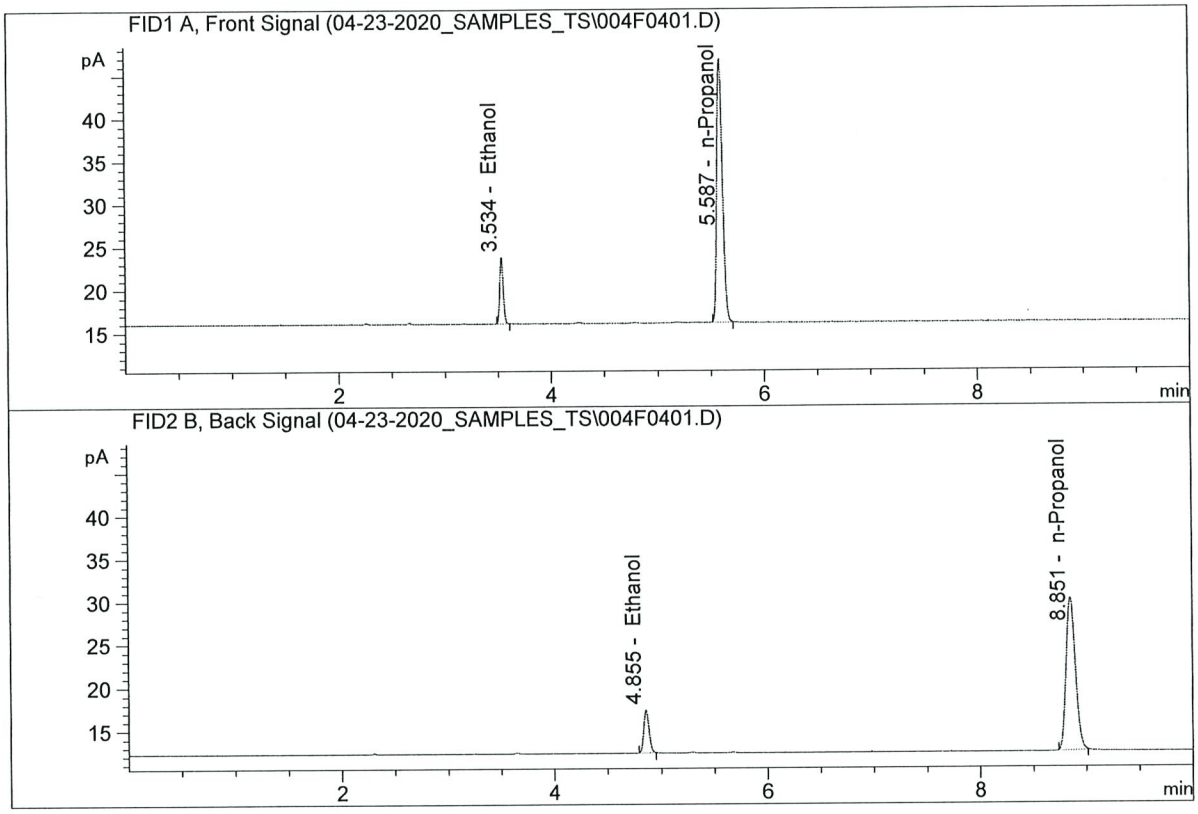
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

Reported Result
0.078

Calibration and control data are stored centrally.

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-A
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

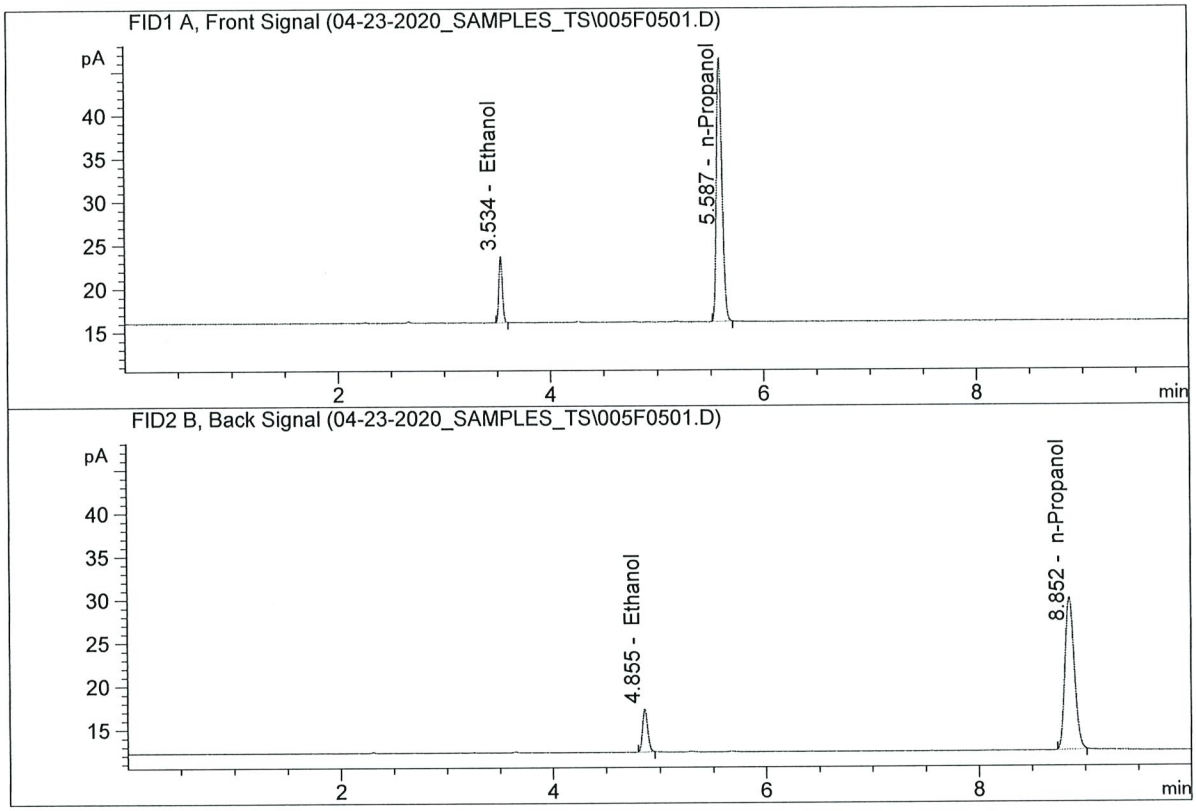


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.55135	0.0785	g/100cc
2.	Ethanol	Column 2:	16.83212	0.0781	g/100cc
3.	n-Propanol	Column 1:	113.08645	1.0000	g/100cc
4.	n-Propanol	Column 2:	108.10537	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-1-B
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.36459	0.0785	g/100cc
2.	Ethanol	Column 2:	16.70494	0.0784	g/100cc
3.	n-Propanol	Column 1:	111.82930	1.0000	g/100cc
4.	n-Propanol	Column 2:	106.97633	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 08 QA **Analysis Date(s): 23 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0796	0.0794	0.0002	0.0795	0.0003	0.0793
(g/100cc)	0.0792	0.0793	0.0001	0.0792		

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

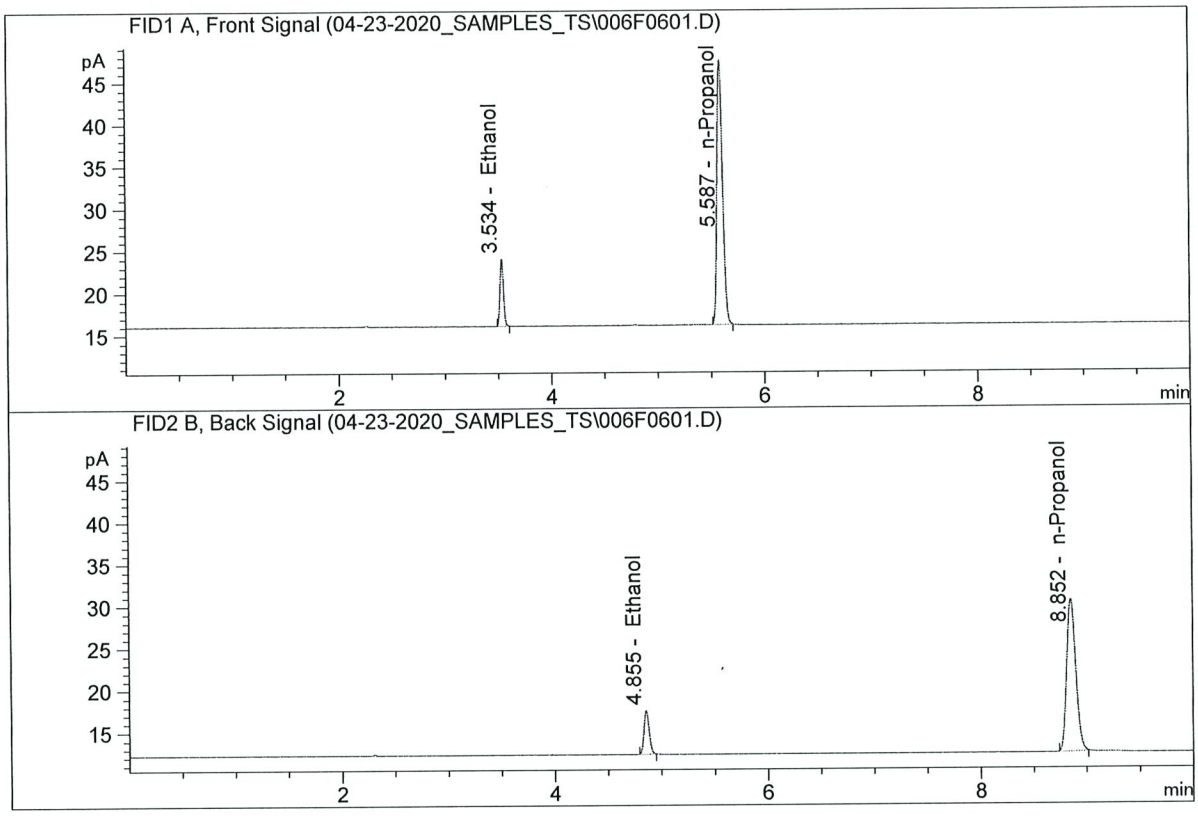
Reported Result
0.079

Calibration and control data are stored centrally.

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-A
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

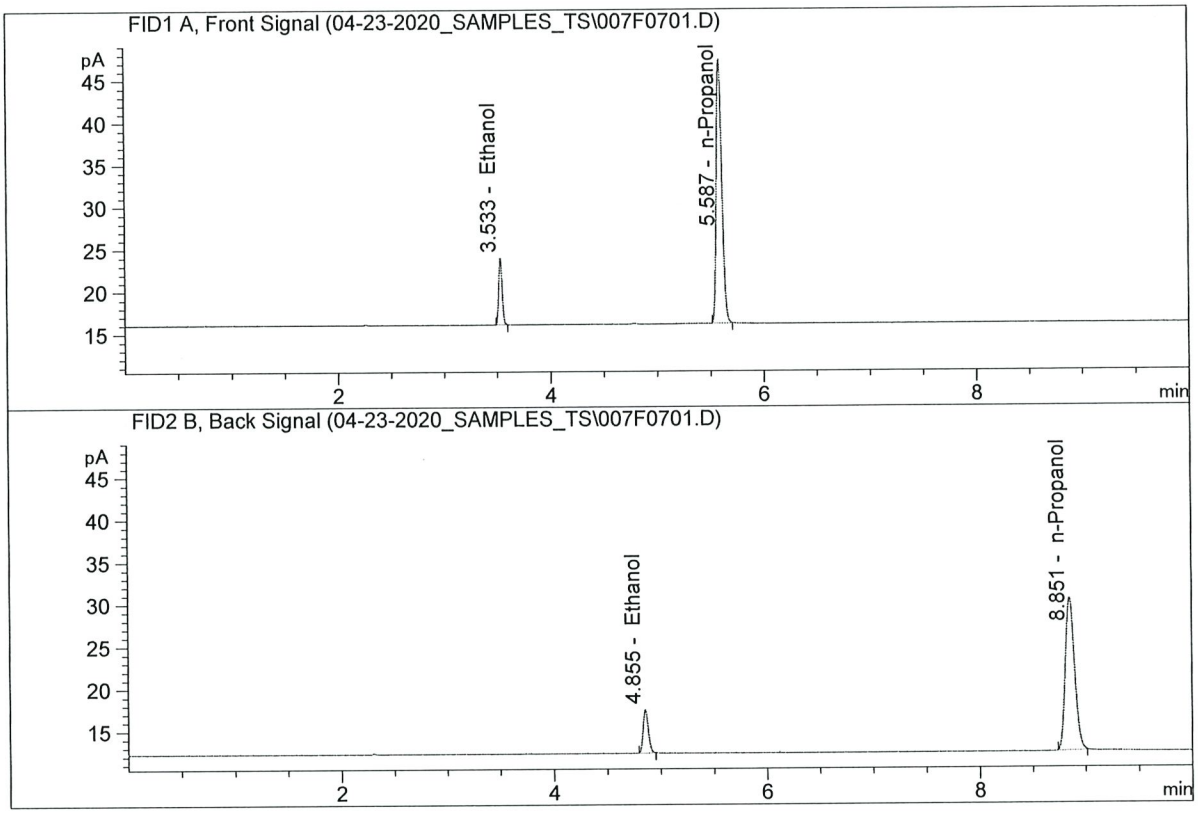


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	18.09925	0.0796	g/100cc
2.	Ethanol	Column 2:	17.42435	0.0794	g/100cc
3.	n-Propanol	Column 1:	115.07681	1.0000	g/100cc
4.	n-Propanol	Column 2:	110.10252	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : 08 QA-B
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.99678	0.0792	g/100cc
2.	Ethanol	Column 2:	17.35827	0.0793	g/100cc
3.	n-Propanol	Column 1:	114.88265	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.88673	1.0000	g/100cc

TS

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-1 **Analysis Date(s): 23 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.1957	0.1953	0.0004	0.1955	0.0007	0.1958
(g/100cc)	0.1963	0.1962	0.0001	0.1962		

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
0.195	0.185	0.205	0.010

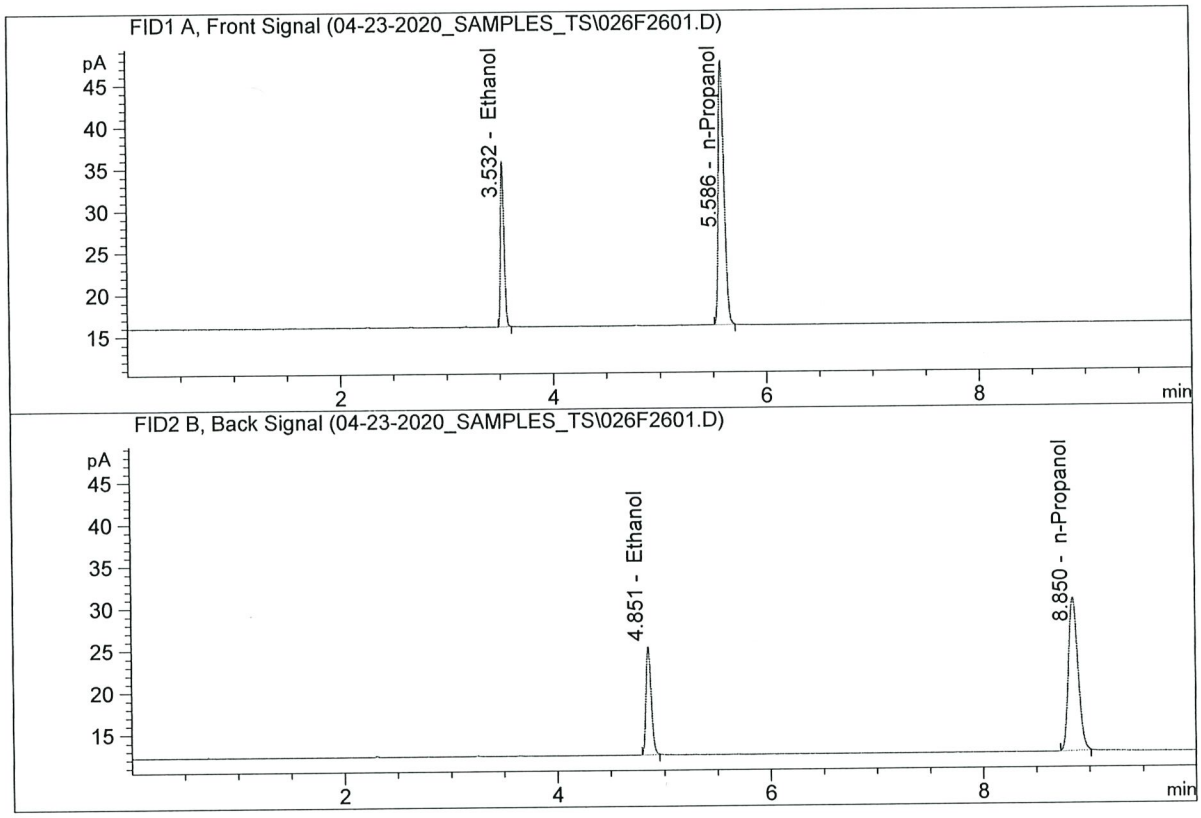
	Reported Result	
	0.195	

Calibration and control data are stored centrally.

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-A
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

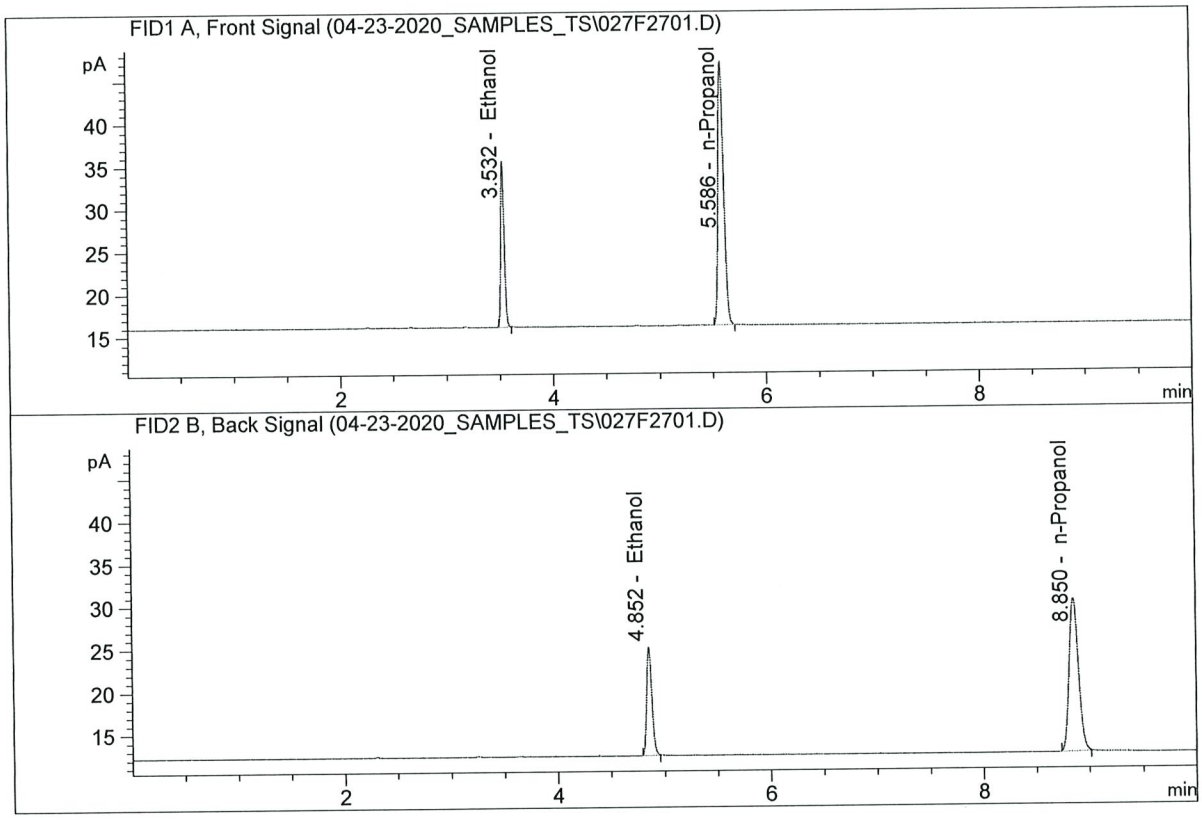


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.87599	0.1957	g/100cc
2.	Ethanol	Column 2:	43.16844	0.1953	g/100cc
3.	n-Propanol	Column 1:	115.99542	1.0000	g/100cc
4.	n-Propanol	Column 2:	110.92548	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-1-B
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	44.32215	0.1963	g/100cc
2.	Ethanol	Column 2:	42.78252	0.1962	g/100cc
3.	n-Propanol	Column 1:	114.20682	1.0000	g/100cc
4.	n-Propanol	Column 2:	109.42885	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC1-2 **Analysis Date(s): 23 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.0792	0.0788	0.0004	0.0790	0.0006	0.0787
(g/100cc)	0.0786	0.0783	0.0003	0.0784		

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%**

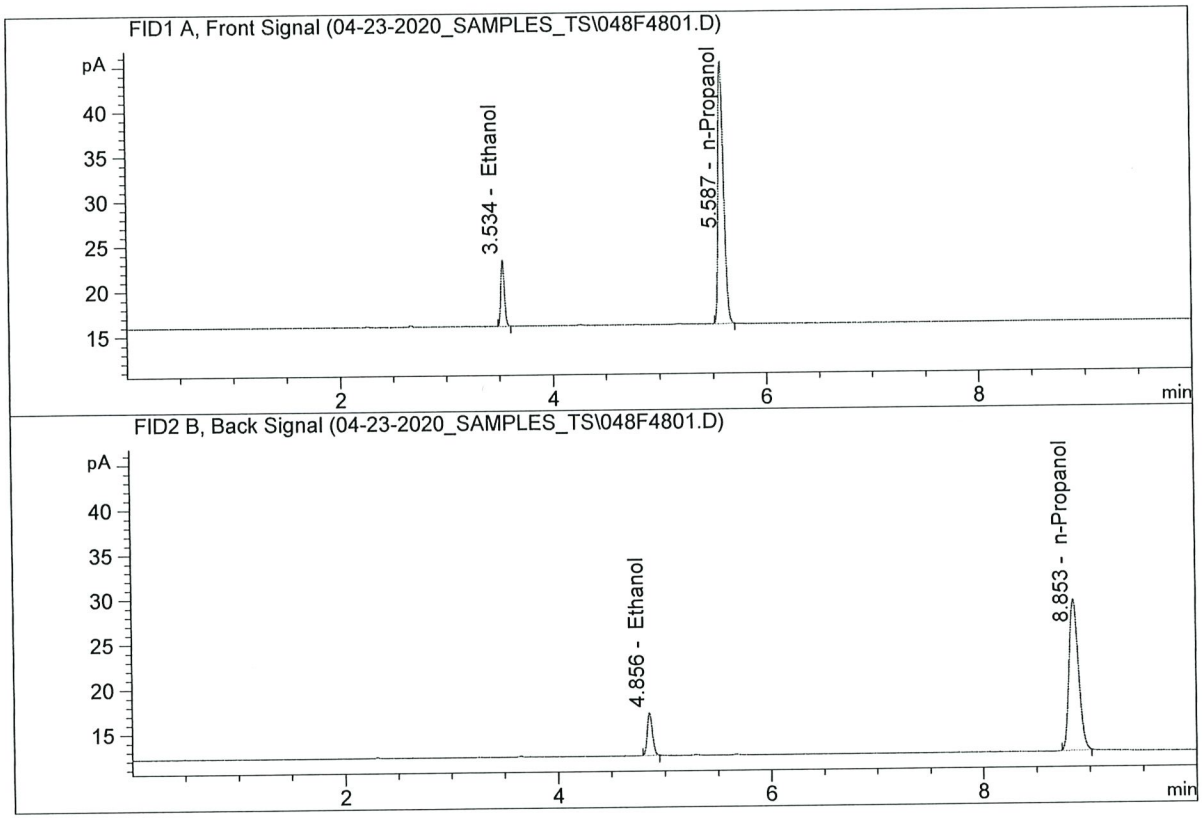
Overall Mean (g/100cc)	Low	High	5% of Mean
0.078	0.074	0.082	0.004

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 : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.76637	0.0792	g/100cc
2.	Ethanol	Column 2:	16.13934	0.0788	g/100cc
3.	n-Propanol	Column 1:	107.12792	1.0000	g/100cc
4.	n-Propanol	Column 2:	102.75329	1.0000	g/100cc

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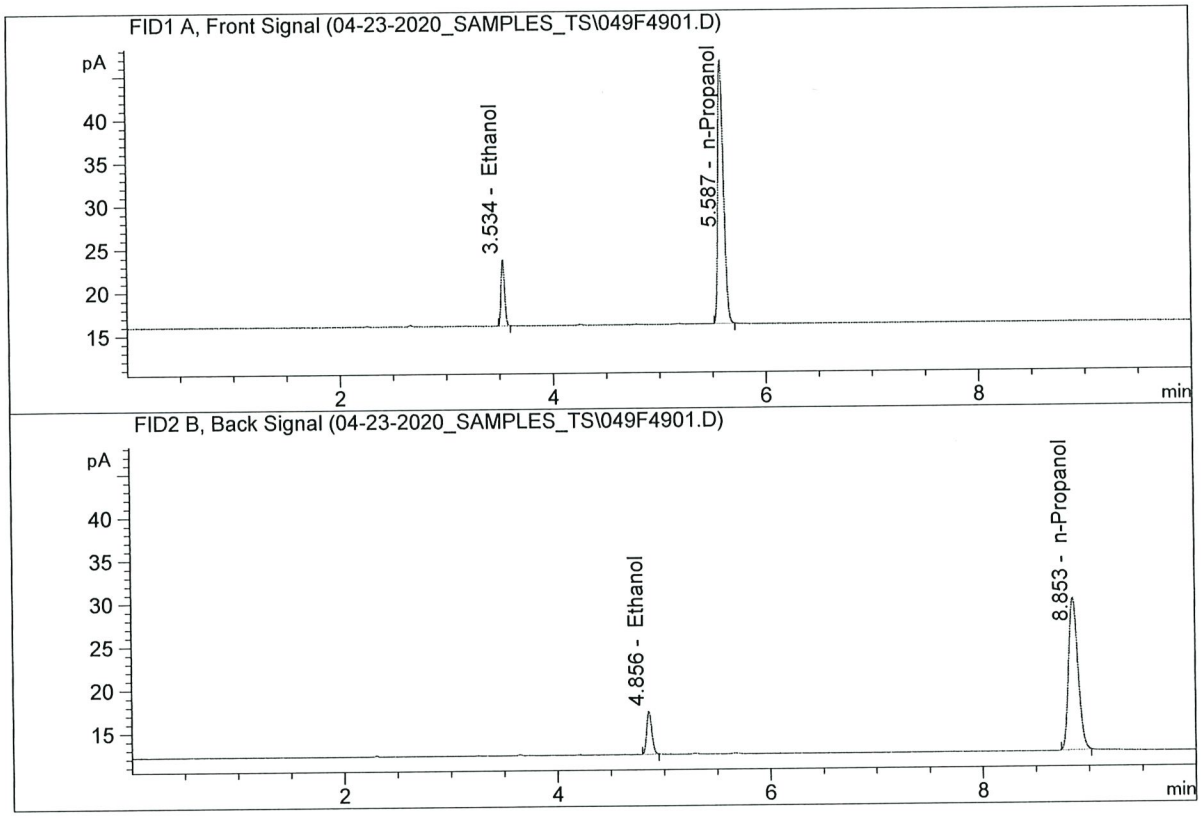
ISP Forensic Services Blood Alcohol Report

Sample Name : QC1-2-B
Laboratory : Pocatello
Injection Date : Apr 23, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	17.44413	0.0786	g/100cc
2.	Ethanol	Column 2:	16.79566	0.0783	g/100cc
3.	n-Propanol	Column 1:	112.29768	1.0000	g/100cc
4.	n-Propanol	Column 2:	107.68265	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC2-2 **Analysis Date(s): 24 Apr 2020**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Sample A-B Difference	Over-all Mean
Sample Results	0.2004	0.1995	0.0009	0.1999	0.0002	0.1998
(g/100cc)	0.2000	0.1994	0.0006	0.1997		

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

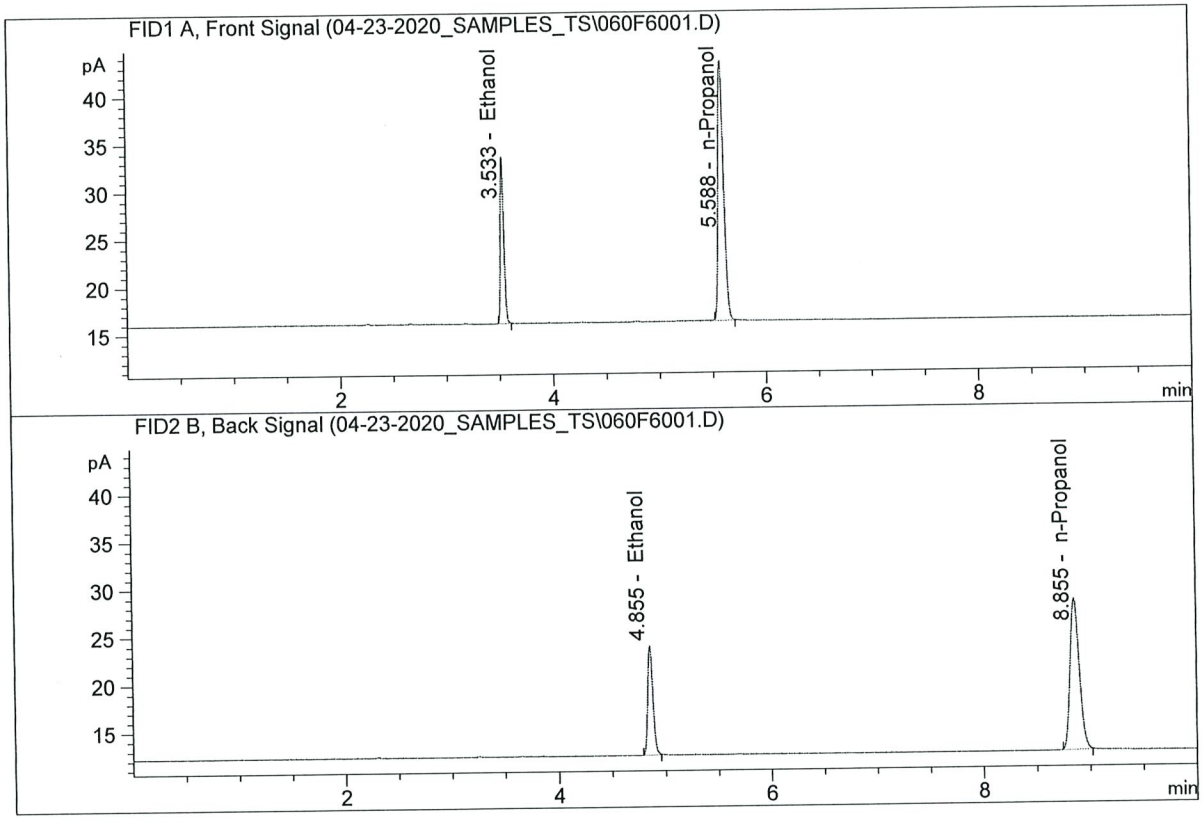
	Reported Result	
	0.199	

Calibration and control data are stored centrally.

15

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-A
Laboratory : Pocatello
Injection Date : Apr 24, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

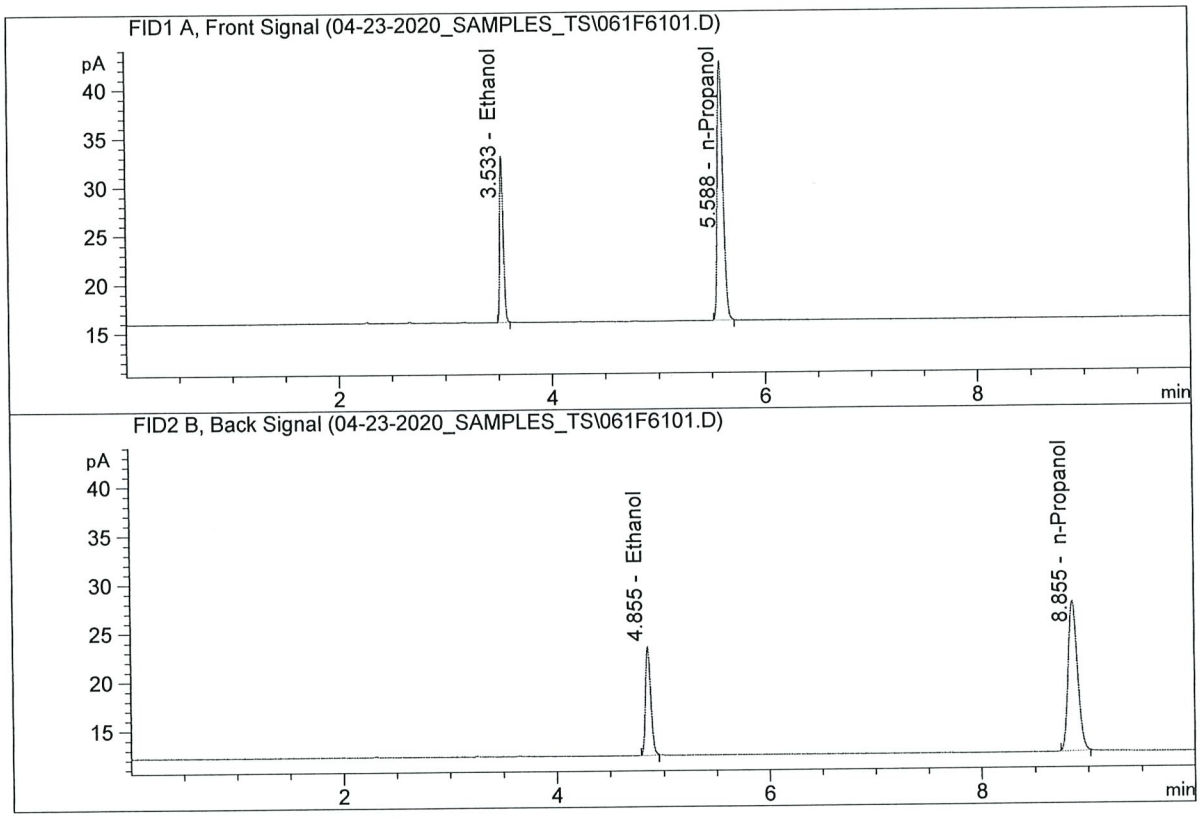


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	39.83957	0.2004	g/100cc
2.	Ethanol	Column 2:	38.40414	0.1995	g/100cc
3.	n-Propanol	Column 1:	100.57962	1.0000	g/100cc
4.	n-Propanol	Column 2:	96.60677	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : QC2-2-B
Laboratory : Pocatello
Injection Date : Apr 24, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

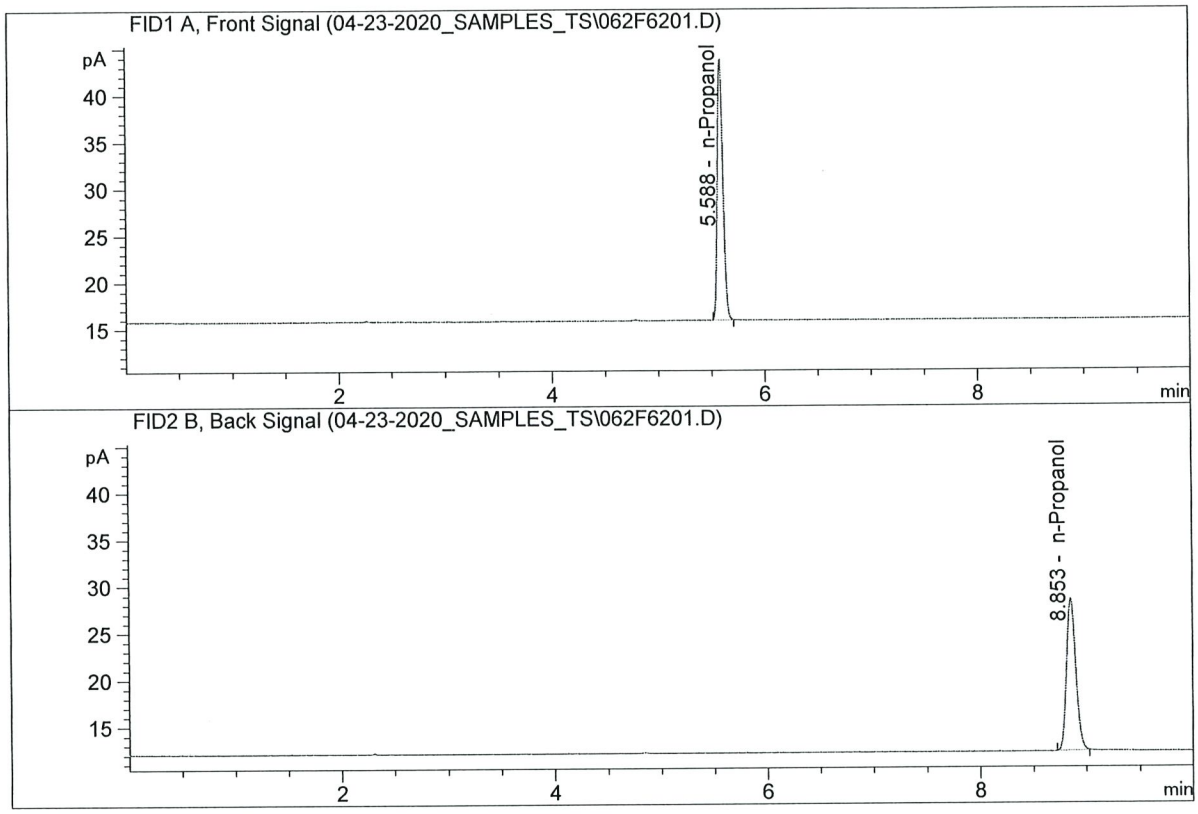


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	38.65716	0.2000	g/100cc
2.	Ethanol	Column 2:	37.25416	0.1994	g/100cc
3.	n-Propanol	Column 1:	97.78293	1.0000	g/100cc
4.	n-Propanol	Column 2:	93.74447	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 3
Laboratory : Pocatello
Injection Date : Apr 24, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

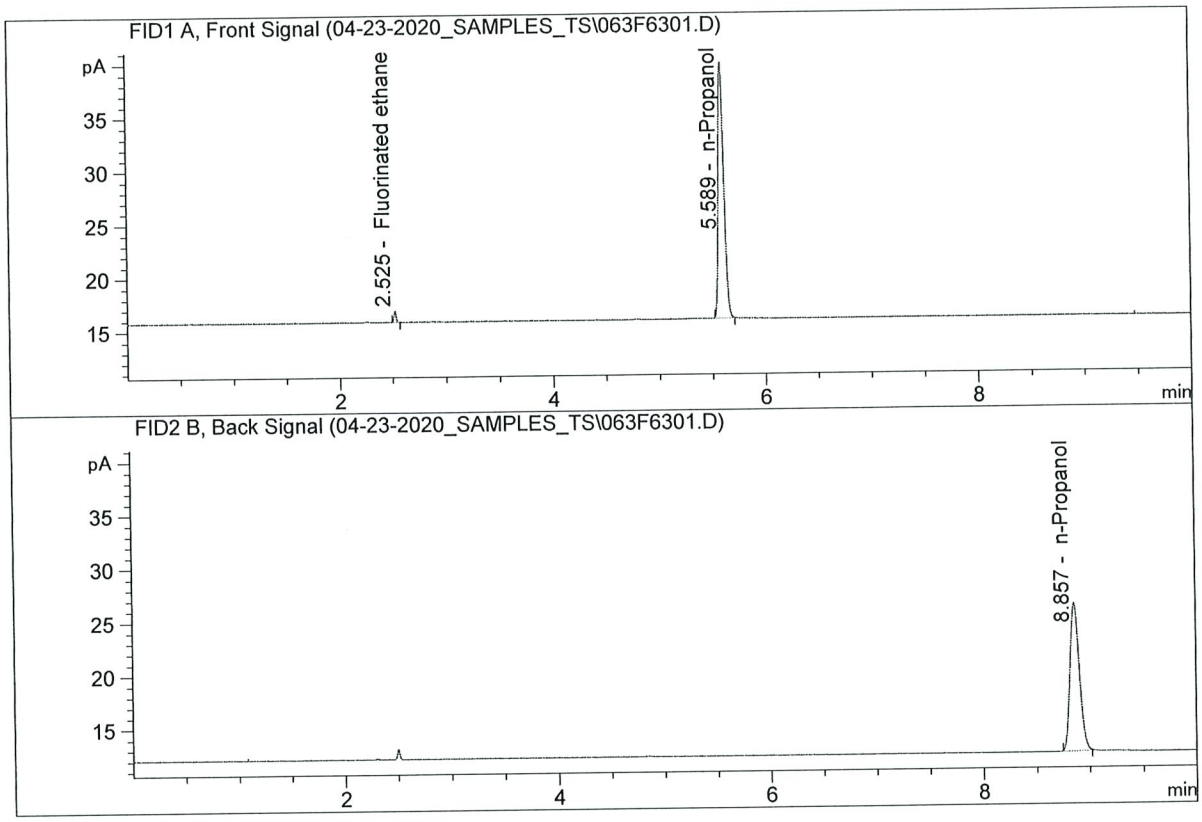


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	102.75040	1.0000	g/100cc
4.	n-Propanol	Column 2:	98.75163	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : DFE
Laboratory : Pocatello
Injection Date : Apr 24, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	88.05714	1.0000	g/100cc
4.	n-Propanol	Column 2:	84.38325	1.0000	g/100cc

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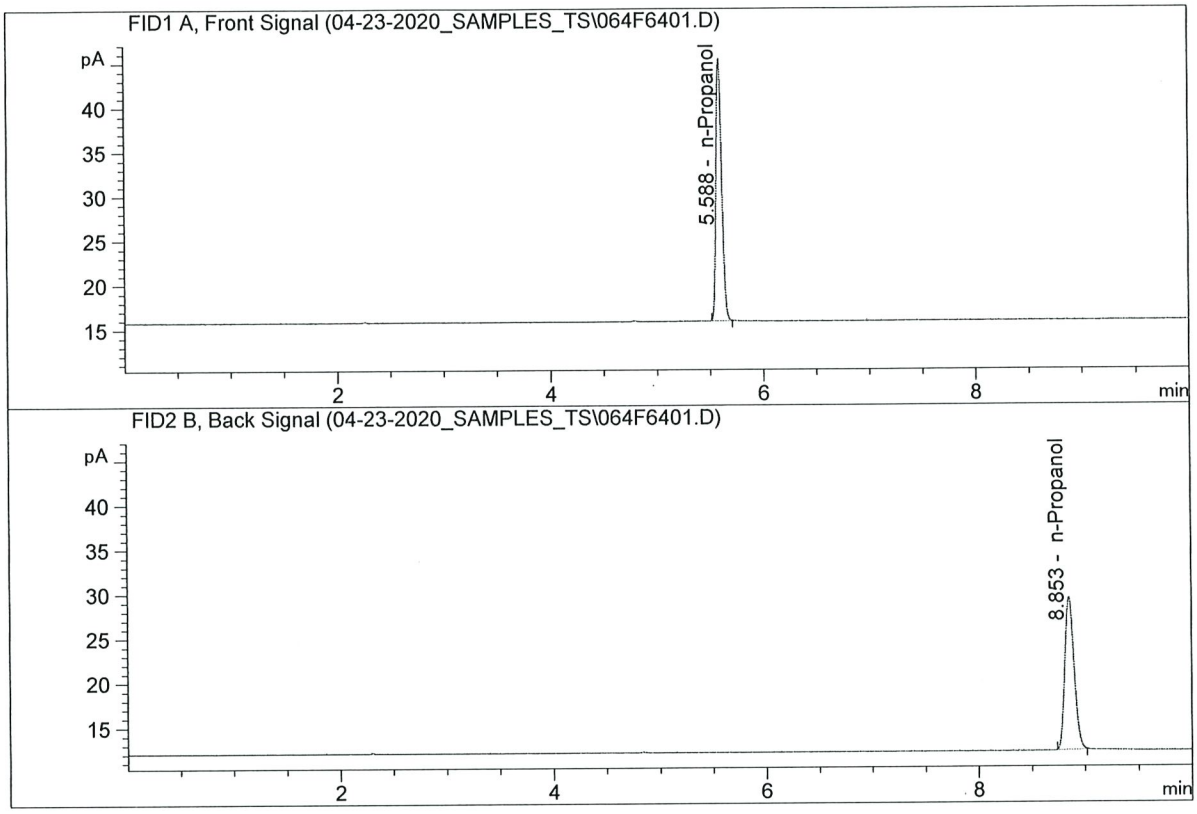
ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 4
Laboratory : Pocatello
Injection Date : Apr 24, 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:	108.73798	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.33332	1.0000	g/100cc

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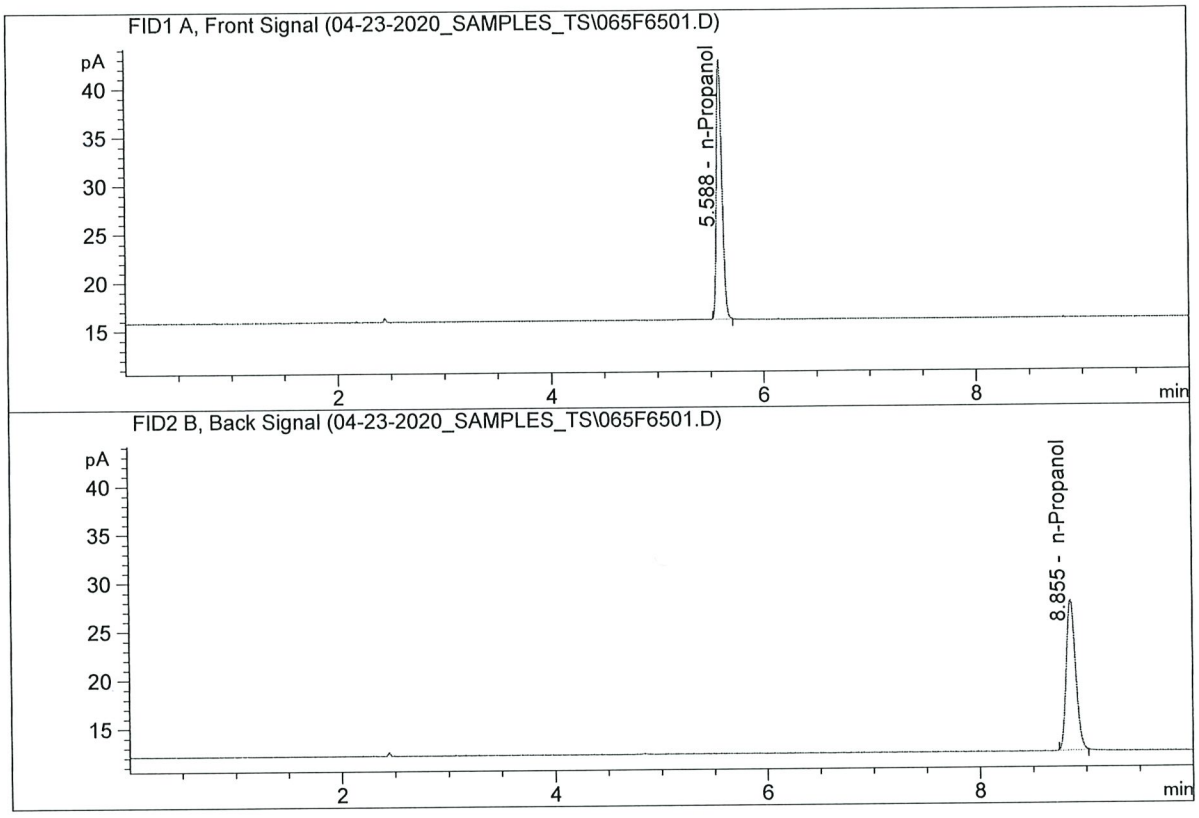
ISP Forensic Services Blood Alcohol Report

Sample Name : TFE
Laboratory : Pocatello
Injection Date : Apr 24, 2020
Method : ALCOHOL.M
Acq. Instrument: CN10742043-IT00741010

Too weak.
No inhalant cases
in this batch. -4/24/2020 TS

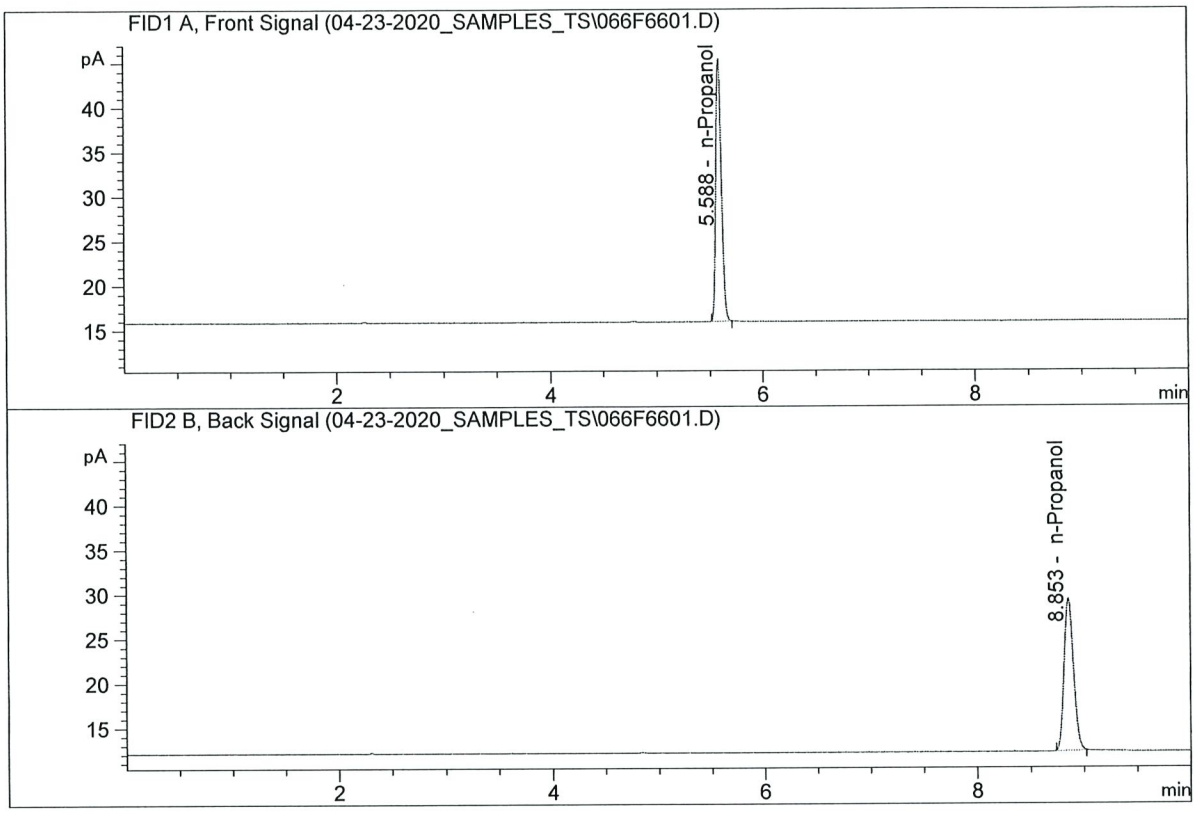


#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	98.15382	1.0000	g/100cc
4.	n-Propanol	Column 2:	94.36409	1.0000	g/100cc

TS

ISP Forensic Services Blood Alcohol Report

Sample Name : INT STD 5
Laboratory : Pocatello
Injection Date : Apr 24, 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:	108.42458	1.0000	g/100cc
4.	n-Propanol	Column 2:	104.04873	1.0000	g/100cc

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.04.2020_01.39.15\04-23-2020 SAMPLES_TS.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_23.04.2020_01.39.15\04-23-2020 SAMPLES_TS.S
Data directory path: C:\Chem32\1\Data\04-23-2020_SAMPLES_TS
Logbook: C:\Chem32\1\Data\04-23-2020_SAMPLES_TS\04-23-2020 SAMPLES_TS.LOG
Sequence start: 4/23/2020 1:53:05 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		10
3	3	1	INT STD 2	-	1.0000	003F0301.D		2
4	4	1	QC1-1-A	-	1.0000	004F0401.D		4
5	5	1	QC1-1-B	-	1.0000	005F0501.D		4
6	6	1	08 QA-A	-	1.0000	006F0601.D		4
7	7	1	08 QA-B	-	1.0000	007F0701.D		4
8	8	1	M2020-0930-2-A	-	1.0000	008F0801.D		6
9	9	1	M2020-0930-2-B	-	1.0000	009F0901.D		6
10	10	1	P2020-0612-2-A	-	1.0000	010F1001.D		2
11	11	1	P2020-0612-2-B	-	1.0000	011F1101.D		2
12	12	1	P2020-0843-1-A	-	1.0000	012F1201.D		6
13	13	1	P2020-0843-1-B	-	1.0000	013F1301.D		6
14	14	1	P2020-0860-1-A	-	1.0000	014F1401.D		6
15	15	1	P2020-0860-1-B	-	1.0000	015F1501.D		6
16	16	1	P2020-0861-1-A	-	1.0000	016F1601.D		6
17	17	1	P2020-0861-1-B	-	1.0000	017F1701.D		6
18	18	1	P2020-0862-1-A	-	1.0000	018F1801.D		6
19	19	1	P2020-0862-1-B	-	1.0000	019F1901.D		6
20	20	1	P2020-0865-1-A	-	1.0000	020F2001.D		6
21	21	1	P2020-0865-1-B	-	1.0000	021F2101.D		6
22	22	1	P2020-0866-1-A	-	1.0000	022F2201.D		6
23	23	1	P2020-0866-1-B	-	1.0000	023F2301.D		6
24	24	1	P2020-0869-1-A	-	1.0000	024F2401.D		6
25	25	1	P2020-0869-1-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	P2020-0878-1-A	-	1.0000	028F2801.D		6
29	29	1	P2020-0878-1-B	-	1.0000	029F2901.D		6
30	30	1	P2020-0880-1-A	-	1.0000	030F3001.D		6
31	31	1	P2020-0880-1-B	-	1.0000	031F3101.D		6
32	32	1	P2020-0884-1-A	-	1.0000	032F3201.D		6
33	33	1	P2020-0884-1-B	-	1.0000	033F3301.D		6
34	34	1	P2020-0890-1-A	-	1.0000	034F3401.D		6
35	35	1	P2020-0890-1-B	-	1.0000	035F3501.D		6
36	36	1	P2020-0903-1-A	-	1.0000	036F3601.D		6
37	37	1	P2020-0903-1-B	-	1.0000	037F3701.D		6
38	38	1	P2020-0955-1-A	-	1.0000	038F3801.D		6
39	39	1	P2020-0955-1-B	-	1.0000	039F3901.D		6
40	40	1	P2020-0970-1-A	-	1.0000	040F4001.D		6
41	41	1	P2020-0970-1-B	-	1.0000	041F4101.D		6
42	42	1	P2020-0971-1-A	-	1.0000	042F4201.D		6
43	43	1	P2020-0971-1-B	-	1.0000	043F4301.D		6
44	44	1	P2020-0972-1-A	-	1.0000	044F4401.D		6
45	45	1	P2020-0972-1-B	-	1.0000	045F4501.D		6
46	46	1	P2020-1008-1-A	-	1.0000	046F4601.D		6

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_23.04.2020_01.39.15\04-23-2020 SAMPLES_TS.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal #	# Cmp
47	47	1	P2020-1008-1-B	-	1.0000	047F4701.D		6
48	48	1	QC1-2-A	-	1.0000	048F4801.D		4
49	49	1	QC1-2-B	-	1.0000	049F4901.D		4
50	50	1	P2020-1013-1-A	-	1.0000	050F5001.D		6
51	51	1	P2020-1013-1-B	-	1.0000	051F5101.D		6
52	52	1	P2020-1017-1-A	-	1.0000	052F5201.D		2
53	53	1	P2020-1017-1-B	-	1.0000	053F5301.D		2
54	54	1	P2020-1018-1-A	-	1.0000	054F5401.D		6
55	55	1	P2020-1018-1-B	-	1.0000	055F5501.D		6
56	56	1	P2020-1045-1-A	-	1.0000	056F5601.D		2
57	57	1	P2020-1045-1-B	-	1.0000	057F5701.D		2
58	58	1	P2020-1063-1-A	-	1.0000	058F5801.D		6
59	59	1	P2020-1063-1-B	-	1.0000	059F5901.D		6
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 3	-	1.0000	062F6201.D		2
63	63	1	DFE	-	1.0000	063F6301.D		3
64	64	1	INT STD 4	-	1.0000	064F6401.D		2
65	65	1	TFE	-	1.0000	065F6501.D		2
66	66	1	INT STD 5	-	1.0000	066F6601.D		2

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