Quantitative Analysis for Ethanol & Qualitative Analysis for Other Volatiles

Analytical Method(s): 1.0

Device: Hamilton MICROLAB 503A Liquid Processor/Dilutor Serial Number: MD-96GF641

Volatiles Quality Assurance Controls **Run Date(s): 10-29-15**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Dec-15	1211090	0.0773	0.0696-0.0850	0.0727 g/100cc
					0.0732 g/100cc
					g/100cc
Level 2	Jan-17	1212091	0.2020	0.1818-0.2222	0.1992 g/100cc
					0.1981 g/100cc
					g/100cc
Multi-Component mixture:		**Jan-16**	**Lot #**	FN012111-01	OK
Curve Fit:			**Column 1**	0.99979	**Column2** 0.99974

QC1 samples were the last of the bottle

Ethanol Calibration Reference Material								
Calibrator level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Column 1**	**Column 2**	**Precision**	**Mean**
0.050	Jul-19	FN06231406	0.050	0.045 - 0.055	0.0487	0.0481	0.0006	0.0484
0.080	Jan-17	FN09051304	0.080	0.072 - 0.088			0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0971	0.0960	0.0011	0.0965
0.200	Mar-17	FN032712-01	0.200	0.180 - 0.220	0.1942	0.1933	0.0009	0.1937
0.300	Oct-18	FN09061305	0.300	0.270 - 0.330	0.2922	0.2918	0.0004	0.292
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Jan-18	FN01281301	0.500	0.450 - 0.550	0.5077	0.5086	0.0009	0.5081

Aqueous Controls					
Control level	**Expiration**	**Cerilliant Lot #**	**Target Value**	**Acceptable Range**	**Overall Results**
0.080	Oct-18	FN09051304	0.08000	0.076 - 0.084	0.077 g/100cc

~Any information on this document can be changed for laboratory use, except for the precision and mean determination fomulas.

Issued: 4/22/2015

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

10/30/2015

Worklist: 887

LAB CASE	ITEM	TASK ID	DESCRIPTION
C2015-1653	2	43545	Alcohol Analysis
C2015-1758	1	42401	Alcohol Analysis
C2015-1774	1	42539	Alcohol Analysis
C2015-1783	1	42636	Alcohol Analysis
C2015-1802	1	42824	Alcohol Analysis
C2015-1812	1	42928	Alcohol Analysis
C2015-1816	1	42979	Alcohol Analysis
C2015-1817	1	42986	Alcohol Analysis
C2015-1841	1	43122	Alcohol Analysis
C2015-1854	1	43162	Alcohol Analysis
C2015-1856	1	43182	Alcohol Analysis
C2015-1865	1	43327	Alcohol Analysis
C2015-1887	1	43431	Alcohol Analysis
C2015-1889	1	43441	Alcohol Analysis
C2015-1892	2	43485	Alcohol Analysis
C2015-1893	1	43493	Alcohol Analysis
C2015-1934	1	43810	Alcohol Analysis
C2015-1935	1	43811	Alcohol Analysis
C2015-1943	1	43901	Alcohol Analysis
C2015-1946	1	43908	Alcohol Analysis
C2015-1952	1	43984	Alcohol Analysis

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Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, October 29, 2015 2:39:25 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

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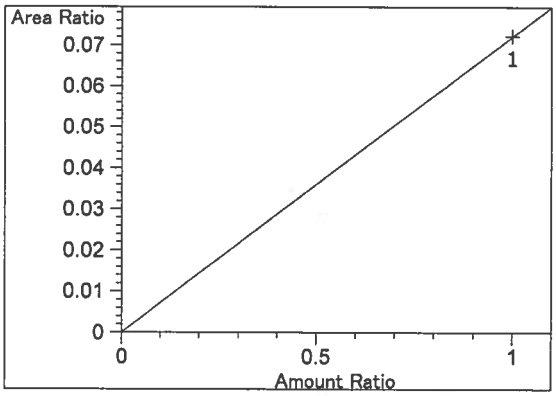
Method C:\CHEM32\1\METHODS\ALCOHOL.M

RT	Sig	Lvl	Amount [g/100cc]	Area	Rsp.Factor	Ref	ISTD	#	Compound
2.000	2	1	1.00000	5.00000	2.00000e-1	No	No	2	Difluoroethane
2.000	1	1	1.00000	5.00000	2.00000e-1	No	No	1	Difluoroethane
2.494	1	1	1.00000	3.69669	2.70512e-1	No	No	1	Methanol
2.772	1	1	1.00000	3.19311	3.13174e-1	No	No	1	Acetaldehyde
2.797	2	1	1.00000	3.10575	3.21983e-1	No	No	2	Acetaldehyde
3.099	1	1	5.00000e-2	6.61688	7.55643e-3	No	No	1	Ethanol
		2	1.00000e-1	13.47758	7.41973e-3				
		3	2.00000e-1	26.49803	7.54773e-3				
		4	3.00000e-1	39.69196	7.55821e-3				
		5	5.00000e-1	71.84866	6.95907e-3				
3.211	2	1	1.00000	4.26062	2.34707e-1	No	No	2	Methanol
3.715	1	1	1.00000	9.73055	1.02769e-1	No	No	1	Isopropyl alcohol
4.167	2	1	5.00000e-2	6.56977	7.61062e-3	No	No	2	Ethanol
		2	1.00000e-1	13.32326	7.50567e-3				
		3	2.00000e-1	26.36146	7.58683e-3				
		4	3.00000e-1	39.53103	7.58898e-3				
		5	5.00000e-1	71.68451	6.97501e-3				
4.530	1	1	1.00000	6.49940	1.53860e-1	No	No	1	Acetone
4.549	2	1	1.00000	6.89301	1.45075e-1	No	No	2	Acetone
4.870	2	1	1.00000	10.70642	9.34019e-2	No	No	2	Isopropyl alcohol
4.926	1	1	1.00000	69.70497	1.43462e-2	No	Yes	1	n-Propanol
		2	1.00000	71.16022	1.40528e-2				
		3	1.00000	69.94550	1.42968e-2				
		4	1.00000	69.63947	1.43597e-2				
		5	1.00000	72.55299	1.37830e-2				
7.595	2	1	1.00000	69.32172	1.44255e-2	No	Yes	2	n-Propanol
		2	1.00000	70.52345	1.41797e-2				
		3	1.00000	69.27314	1.44356e-2				
		4	1.00000	68.81629	1.45314e-2				
		5	1.00000	71.60727	1.39651e-2				

Peak Sum Table

No Entries in table

Calibration Curves



Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.21275e-2
x: Amount Ratio
y: Area Ratio

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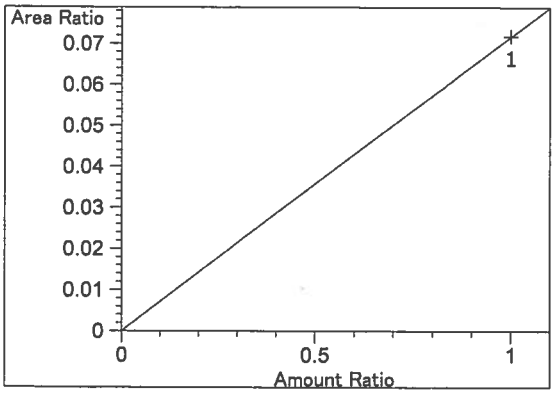
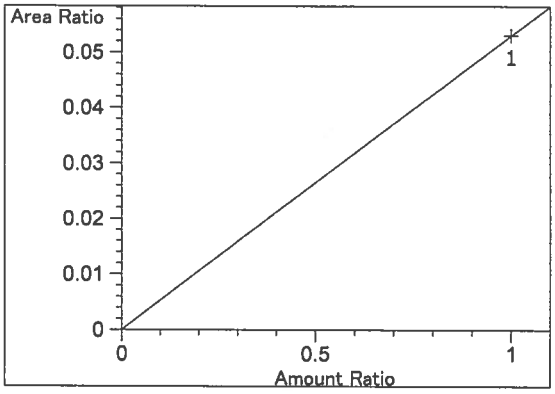
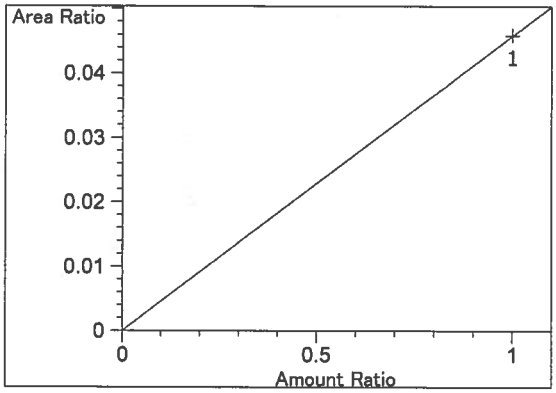


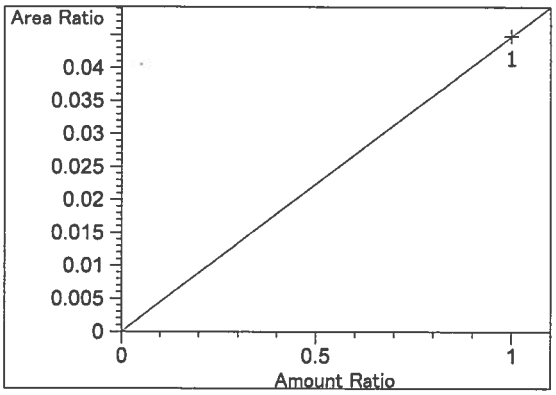
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.17309e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.30334e-2
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.58089e-2
x: Amount Ratio
y: Area Ratio



Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.48020e-2
x: Amount Ratio
y: Area Ratio

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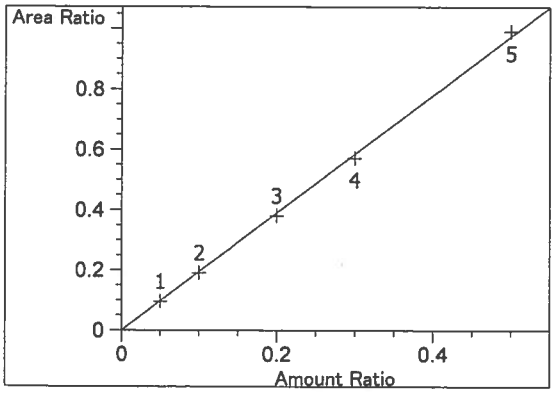
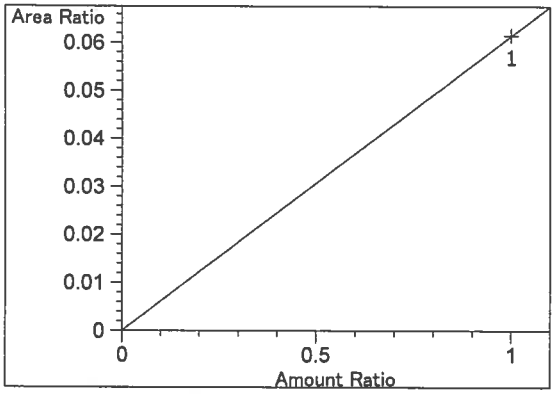
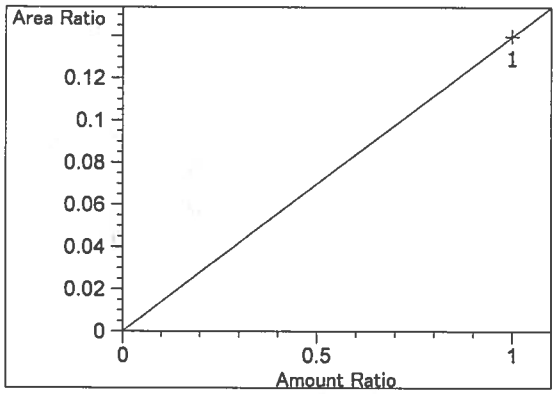


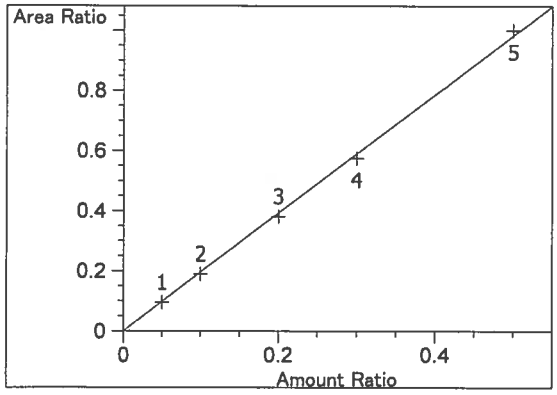
Ethanol at exp. RT: 3.099
FID1 A, Front Signal
Correlation: 0.99979
Residual Std. Dev.: 0.01247
Formula: y = mx
m: 1.95054
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.14616e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.39596e-1
x: Amount Ratio
y: Area Ratio



Ethanol at exp. RT: 4.167
FID2 B, Back Signal
Correlation: 0.99974
Residual Std. Dev.: 0.01407
Formula: y = mx
m: 1.96844
x: Amount Ratio
y: Area Ratio

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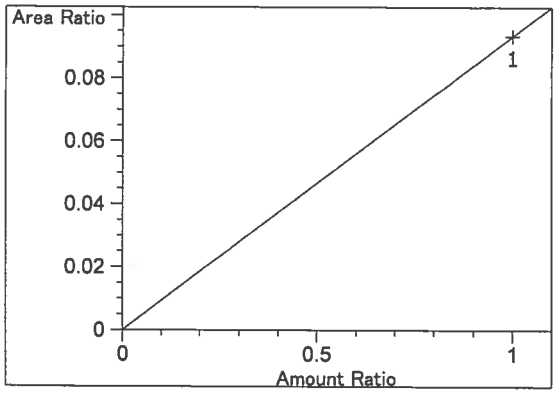
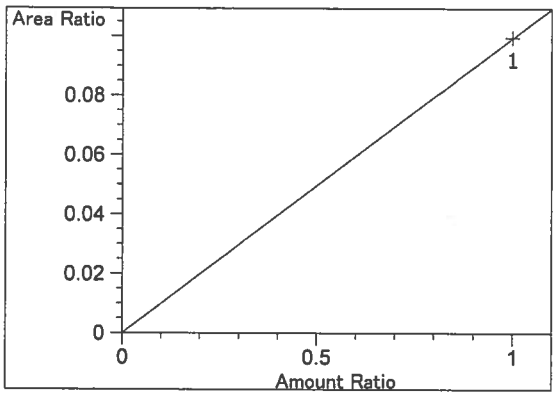
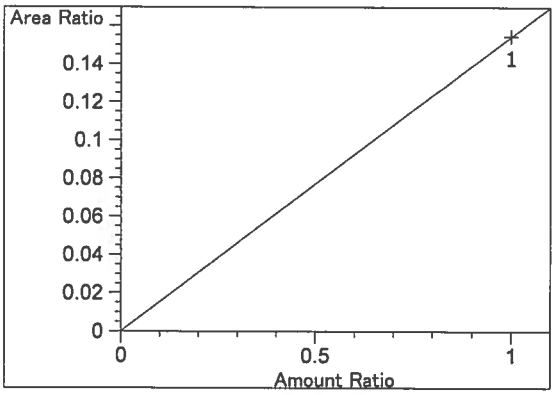


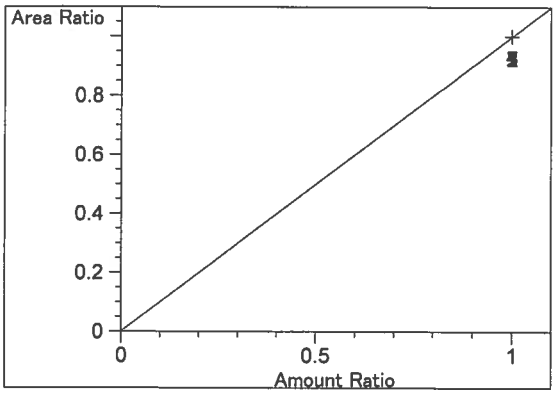
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.32416e-2
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 9.94351e-2
x: Amount Ratio
y: Area Ratio



Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.54445e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.926
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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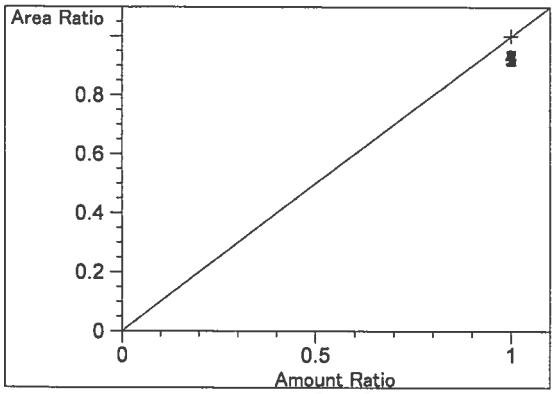

n-Propanol at exp. RT: 7.595
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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Sample Summary

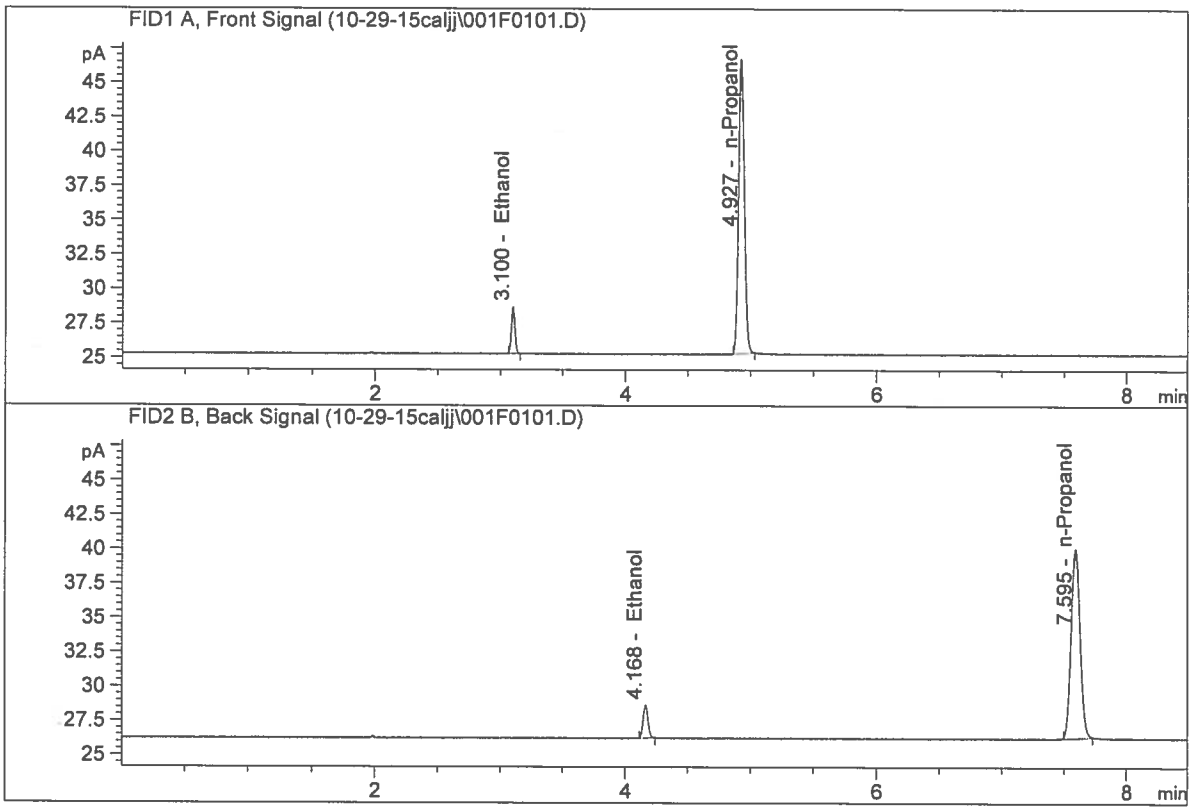
Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.10.2015_01.17.01\10-29-2015cal.S
Data directory path: C:\Chem32\1\Data\10-29-15caljj
Logbook: C:\Chem32\1\Data\10-29-15caljj\10-29-2015cal.LOG
Sequence start: 10/29/2015 1:30:45 PM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	0.05	-	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	blank	-	1.0000	006F0601.D		2

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.05
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.61688	0.0487	g/100cc
2.	Ethanol	Column 2:	6.56977	0.0481	g/100cc
3.	n-Propanol	Column 1:	69.70497	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.32172	1.0000	g/100cc

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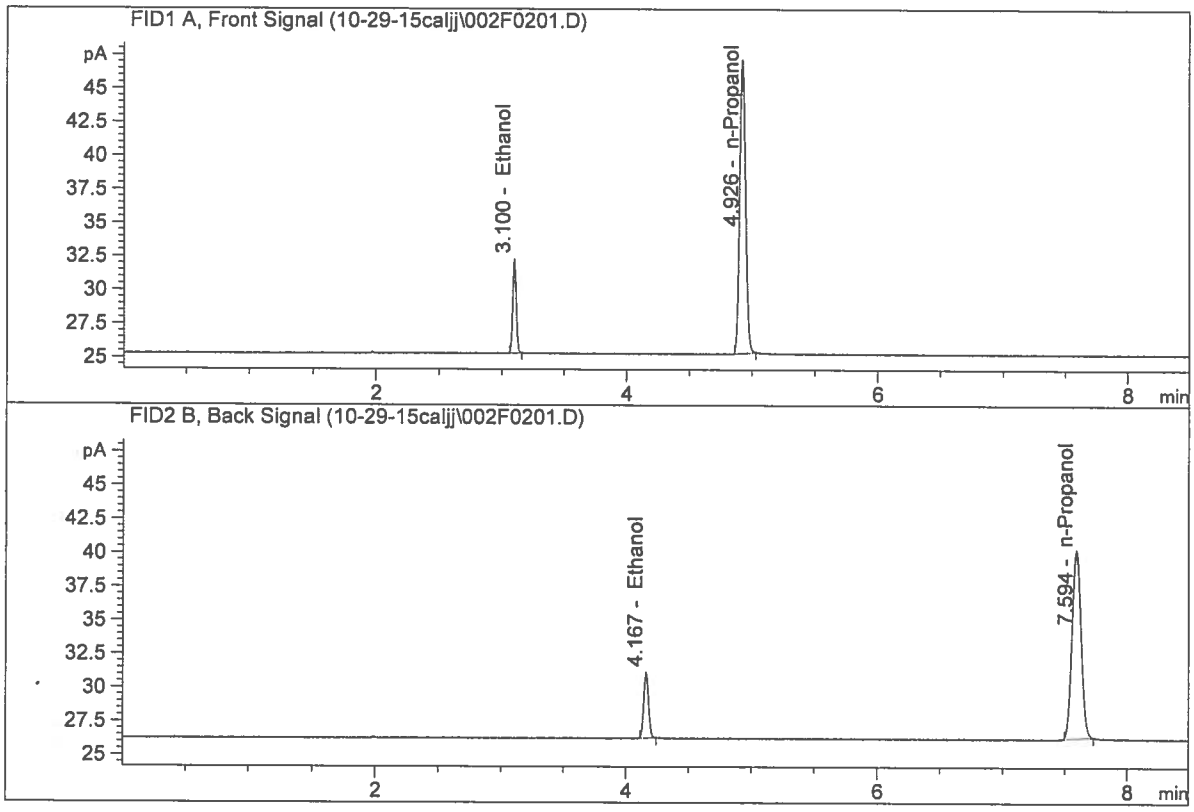
ISP Forensic Services Blood Alcohol Report

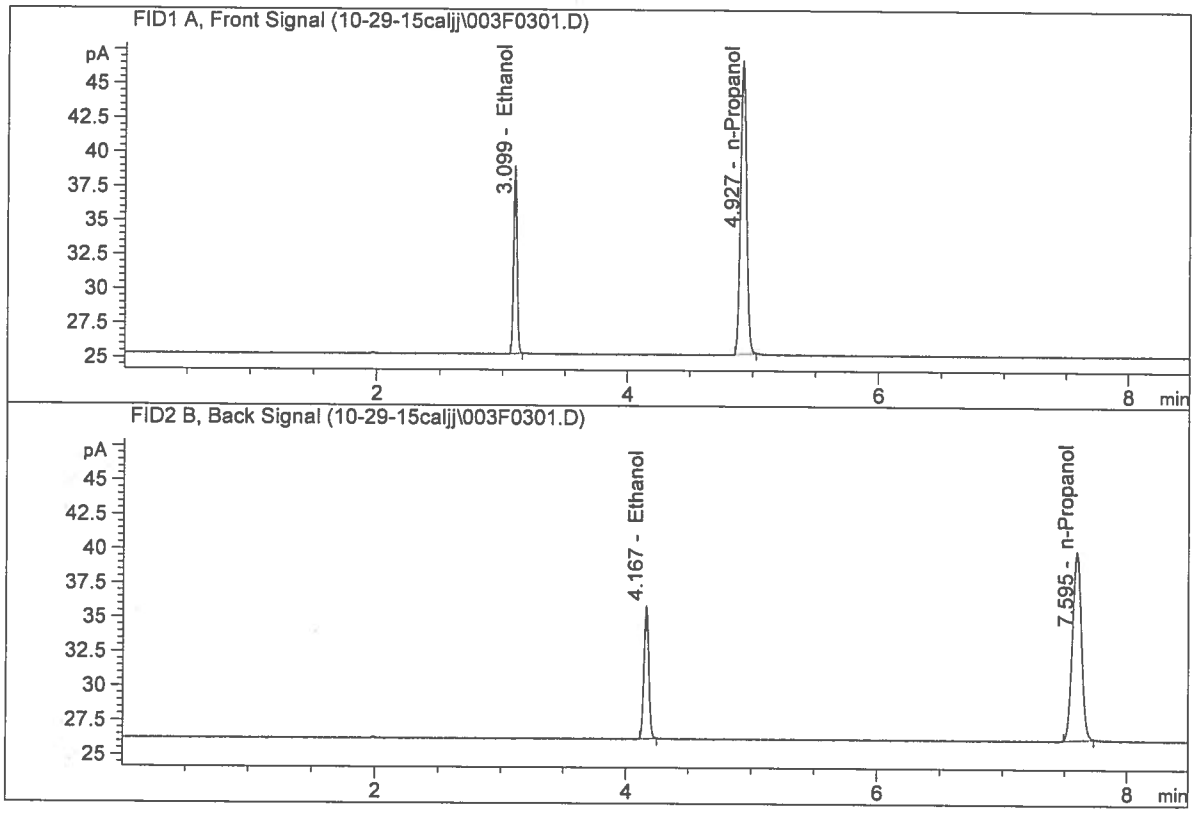
Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	13.47758	0.0971	g/100cc
2.	Ethanol	Column 2:	13.32326	0.0960	g/100cc
3.	n-Propanol	Column 1:	71.16022	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.52345	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

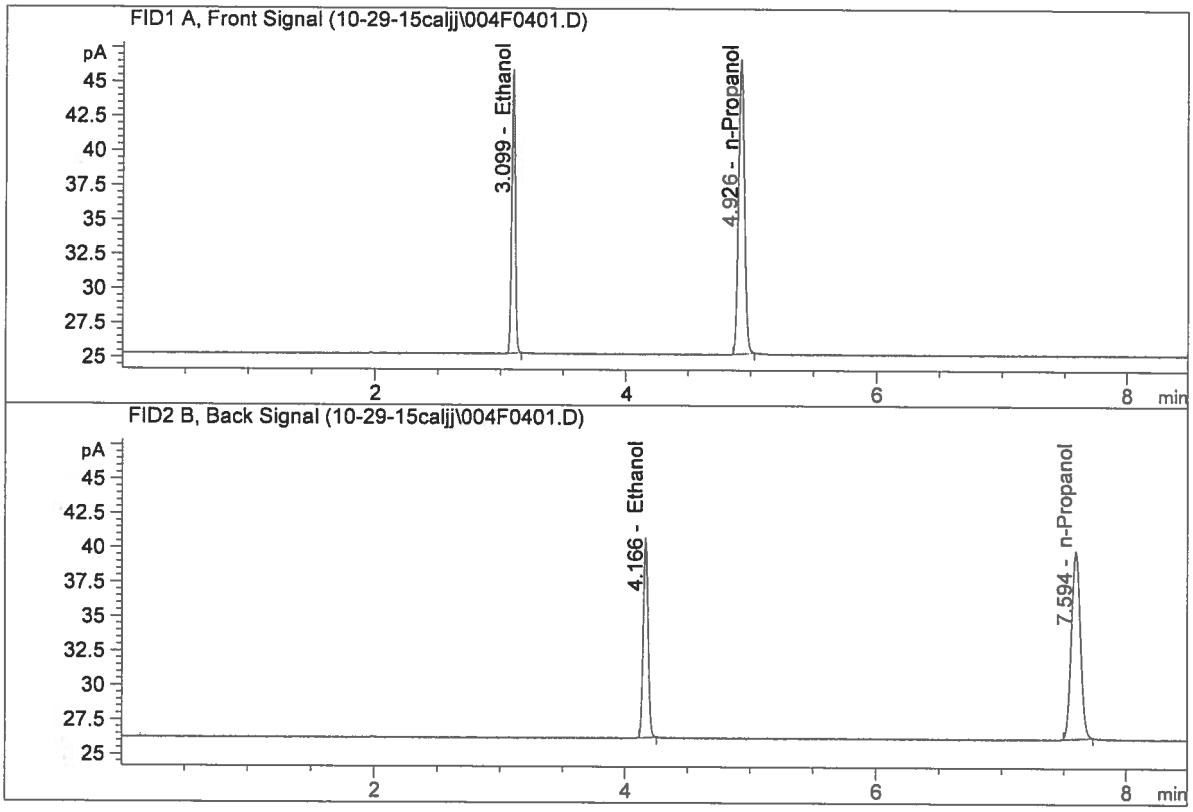
Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	26.49803	0.1942	g/100cc
2.	Ethanol	Column 2:	26.36146	0.1933	g/100cc
3.	n-Propanol	Column 1:	69.94550	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.27314	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	39.69196	0.2922	g/100cc
2.	Ethanol	Column 2:	39.53103	0.2918	g/100cc
3.	n-Propanol	Column 1:	69.63947	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.81629	1.0000	g/100cc

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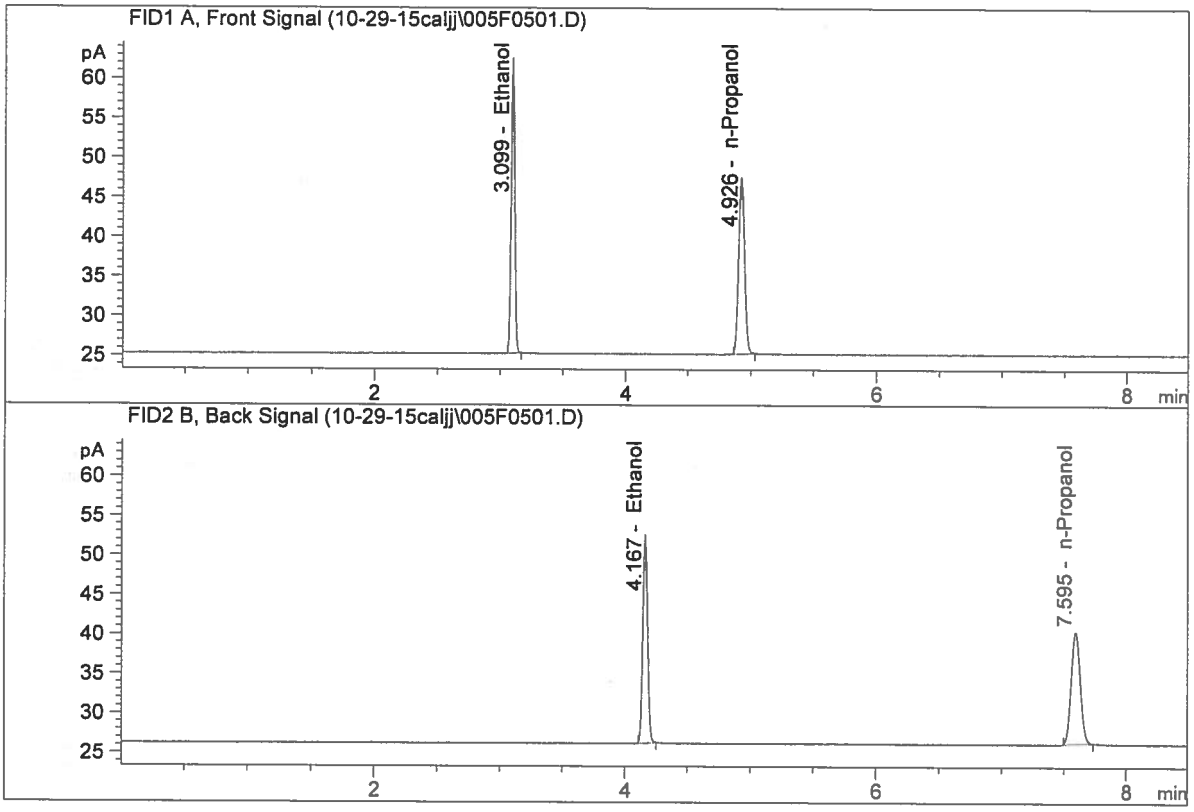
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	71.84866	0.5077	g/100cc
2.	Ethanol	Column 2:	71.68451	0.5086	g/100cc
3.	n-Propanol	Column 1:	72.55299	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.60727	1.0000	g/100cc

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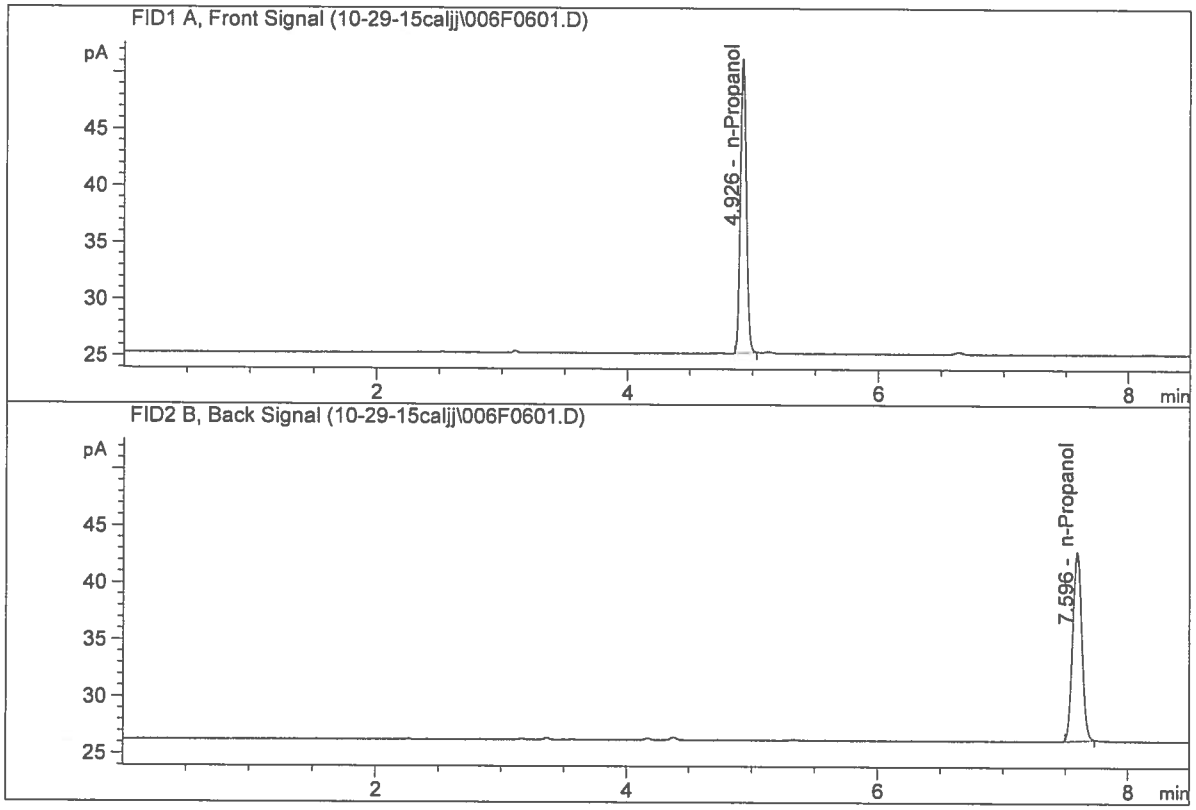
ISP Forensic Services Blood Alcohol Report

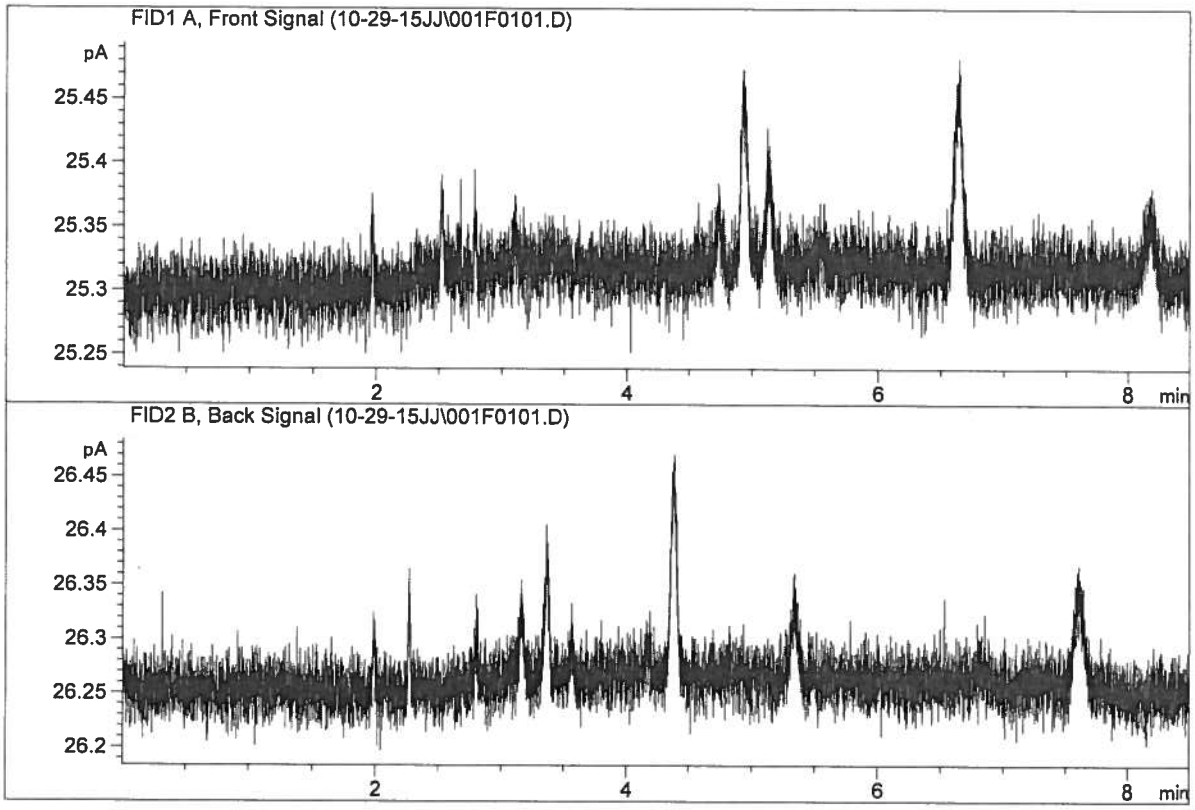
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	84.31715	1.0000	g/100cc
4.	n-Propanol	Column 2:	83.77619	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

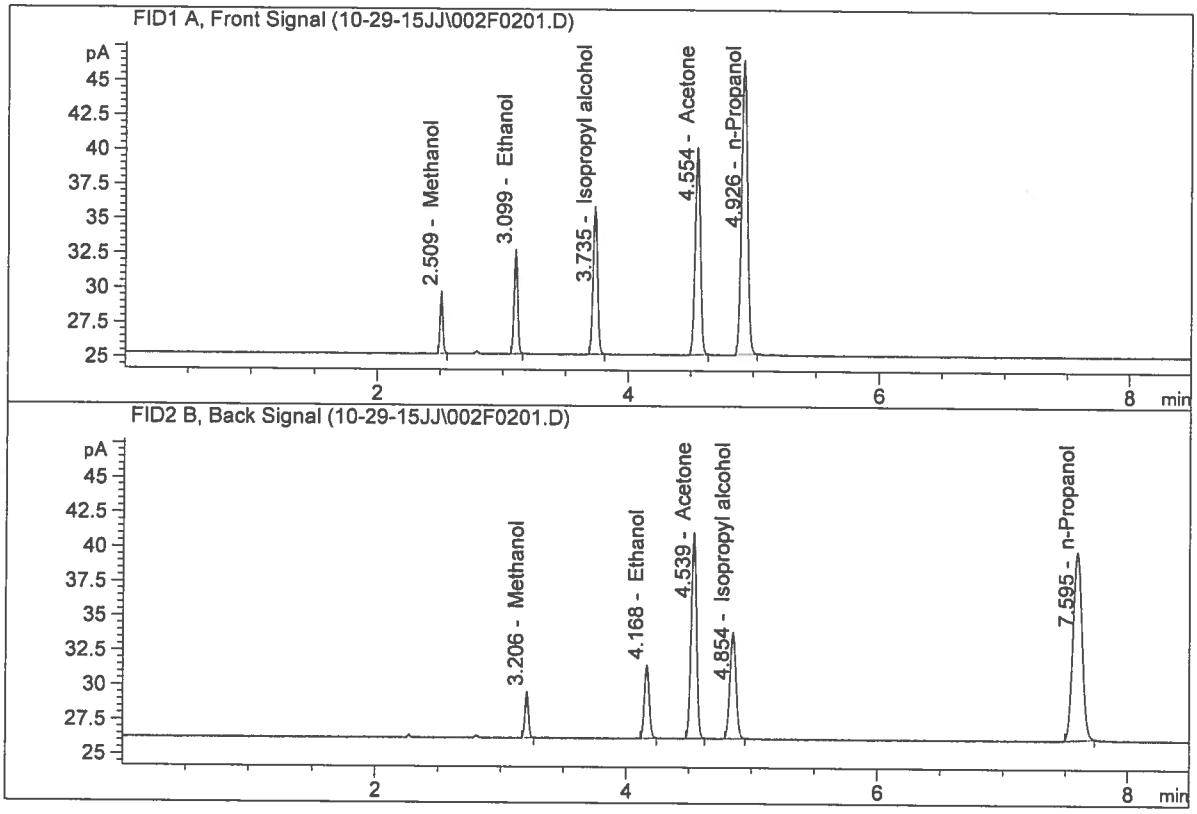
Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

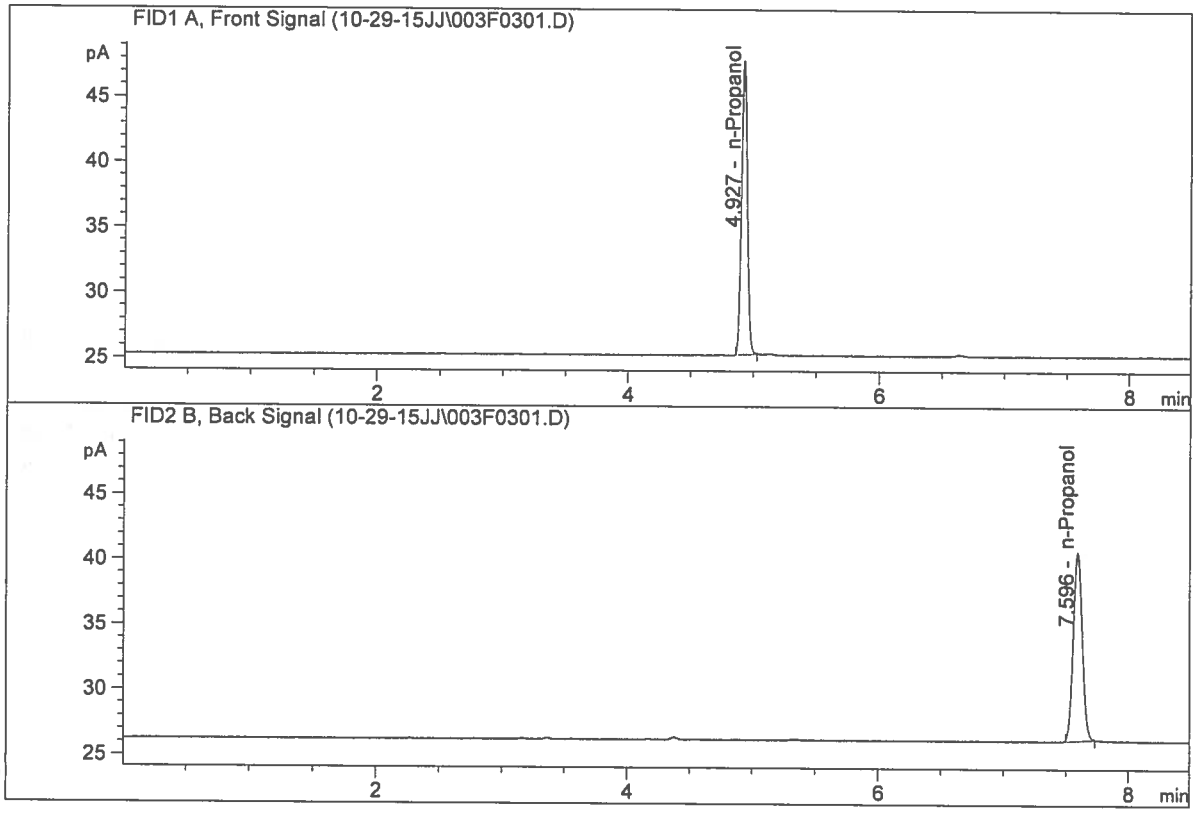
Sample Name : VOL MIX FN-012111-01
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	14.50905	0.1073	g/100cc
2.	Ethanol	Column 2:	14.50266	0.1074	g/100cc
3.	n-Propanol	Column 1:	69.33440	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.58800	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	73.51648	1.0000	g/100cc
4.	n-Propanol	Column 2:	72.95805	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 29 Oct 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0728	0.0725	0.0003	0.0726	0.0727
(g/100cc)	0.0733	0.0722	0.0011	0.0727	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.072	0.068	0.076	0.004

Reported Result

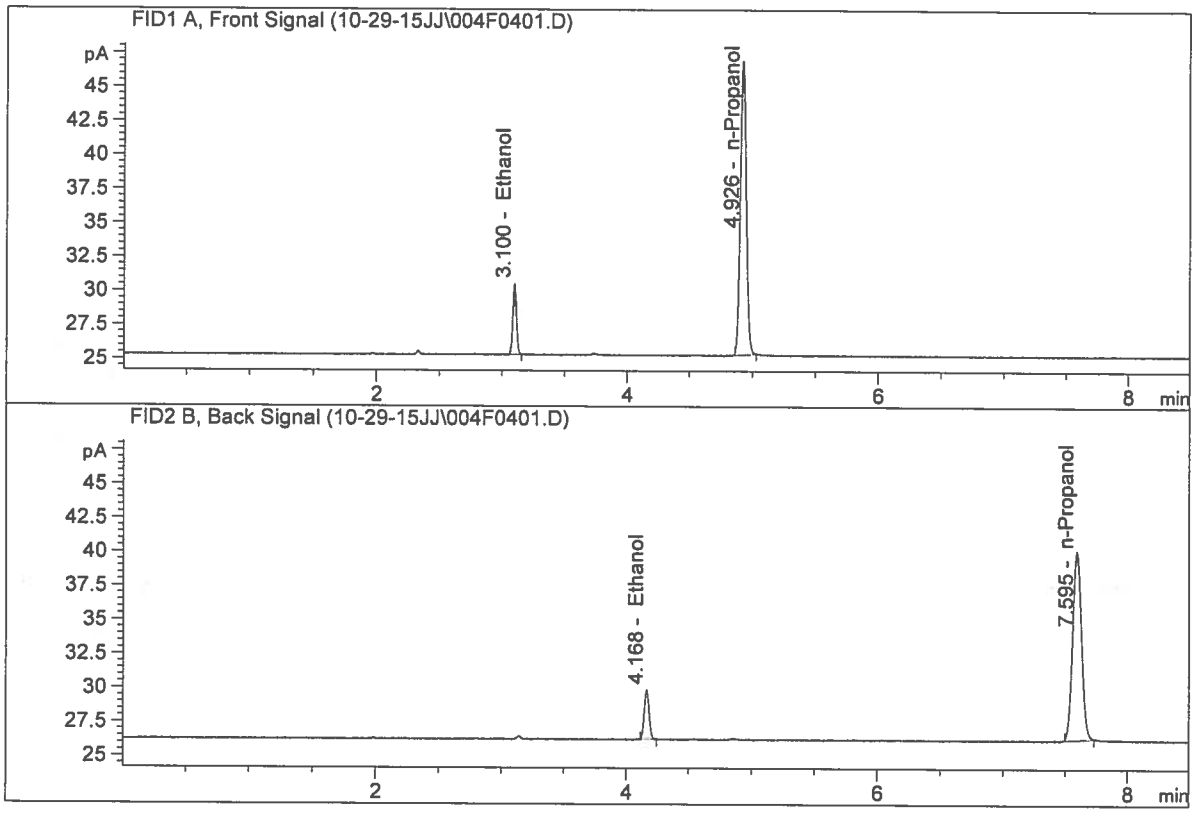
0.072

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.03701	0.0728	g/100cc
2.	Ethanol	Column 2:	9.97101	0.0725	g/100cc
3.	n-Propanol	Column 1:	70.71326	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.88557	1.0000	g/100cc

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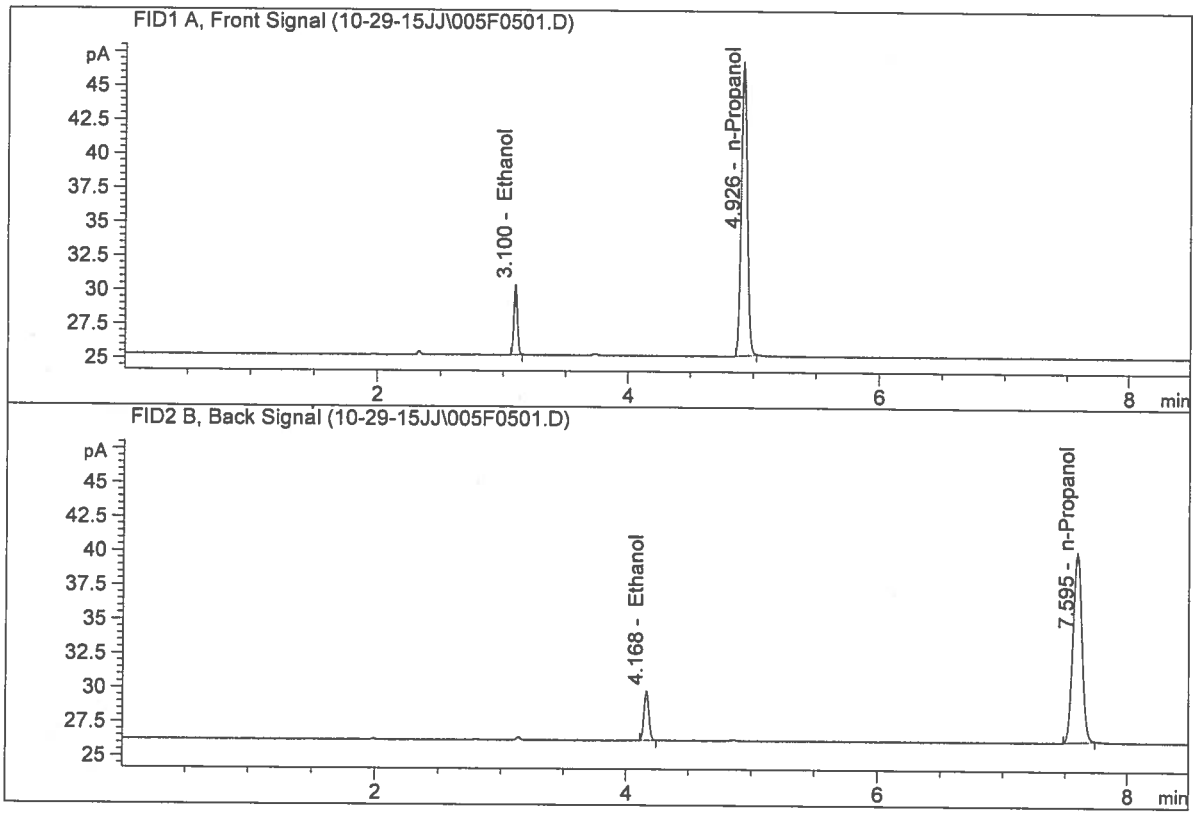
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.04804	0.0733	g/100cc
2.	Ethanol	Column 2:	9.91644	0.0722	g/100cc
3.	n-Propanol	Column 1:	70.27997	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.75800	1.0000	g/100cc

VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN09051304 **Analysis Date(s): 29 Oct 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.0782	0.0777	0.0005	0.0779	0.0778	
(g/100cc)	0.0780	0.0776	0.0004	0.0778		

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

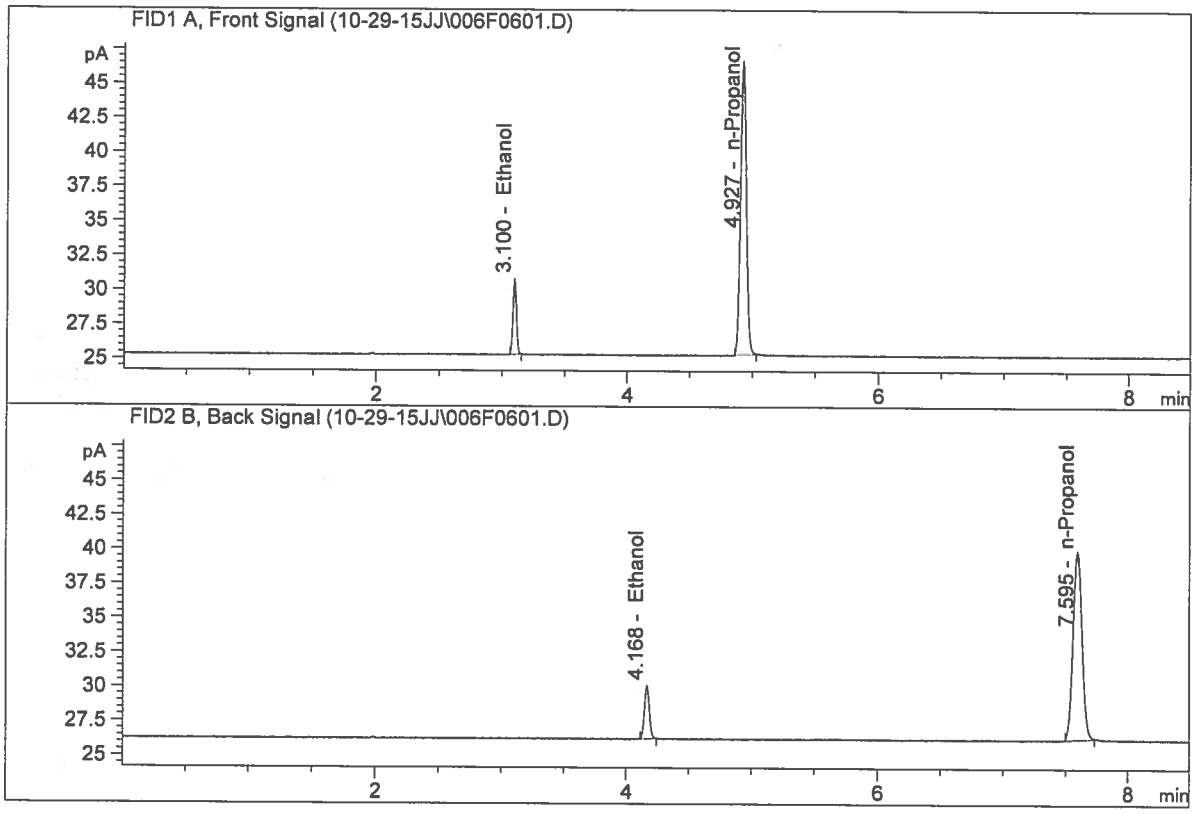
Reported Result
0.077

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

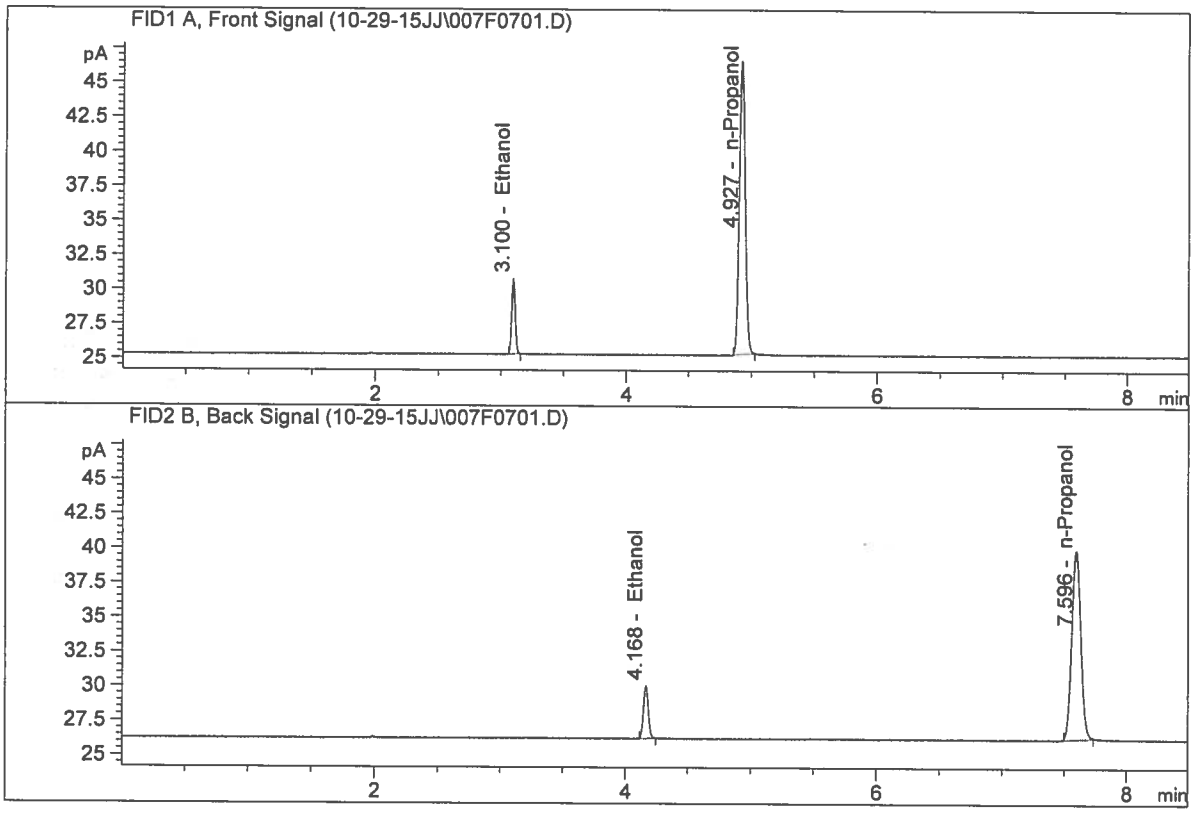
Sample Name : 0.08 FN09051304-A
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.62888	0.0782	g/100cc
2.	Ethanol	Column 2:	10.54581	0.0777	g/100cc
3.	n-Propanol	Column 1:	69.71961	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.98775	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN09051304-B
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.59397	0.0780	g/100cc
2.	Ethanol	Column 2:	10.53278	0.0776	g/100cc
3.	n-Propanol	Column 1:	69.66280	1.0000	g/100cc
4.	n-Propanol	Column 2:	68.99277	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 29 Oct 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.1995	0.1992	0.0003	0.1993	0.1992
(g/100cc)	0.1993	0.1988	0.0005	0.1990	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

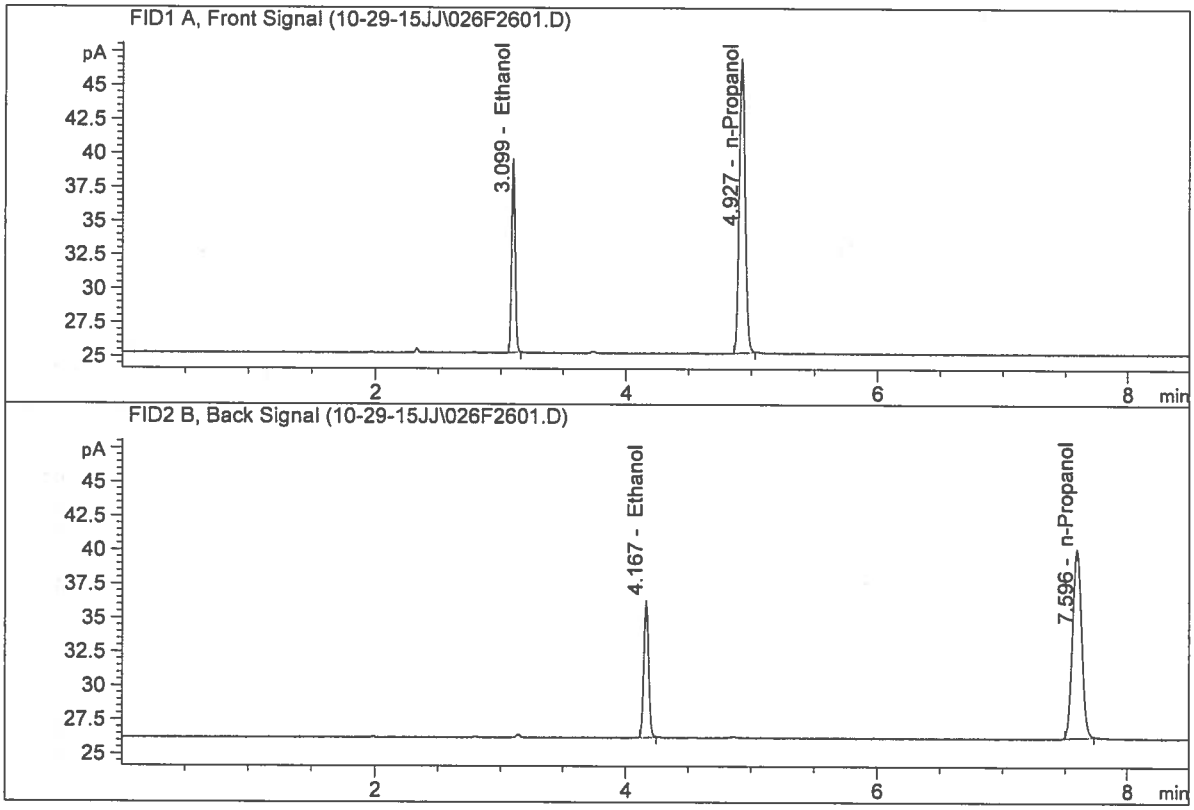
Reported Result
0.199

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.57897	0.1995	g/100cc
2.	Ethanol	Column 2:	27.41194	0.1992	g/100cc
3.	n-Propanol	Column 1:	70.87804	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.92383	1.0000	g/100cc

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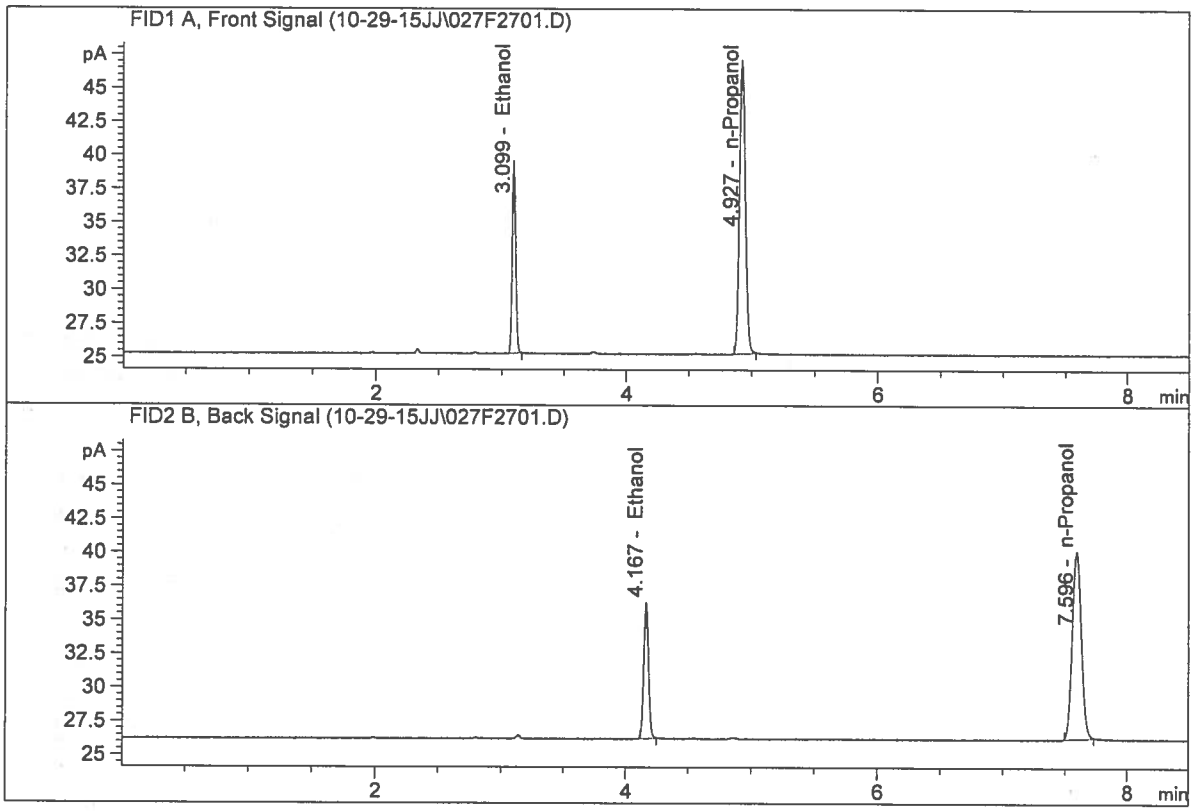
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.65577	0.1993	g/100cc
2.	Ethanol	Column 2:	27.46605	0.1988	g/100cc
3.	n-Propanol	Column 1:	71.13685	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.18810	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 29 Oct 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0737	0.0731	0.0006	0.0734	0.0732
(g/100cc)	0.0733	0.0727	0.0006	0.0730	

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.073	0.069	0.077	0.004

Reported Result
0.073

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

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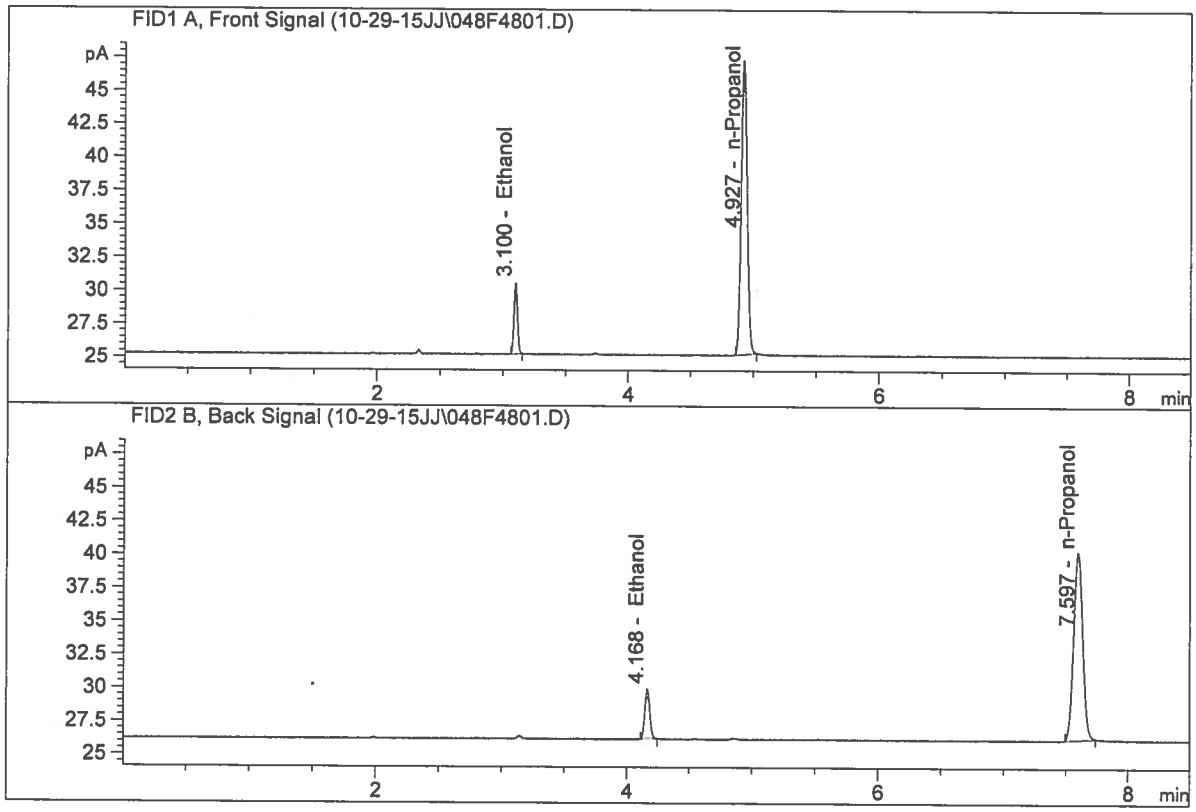
ISP Forensic Services Blood Alcohol Report

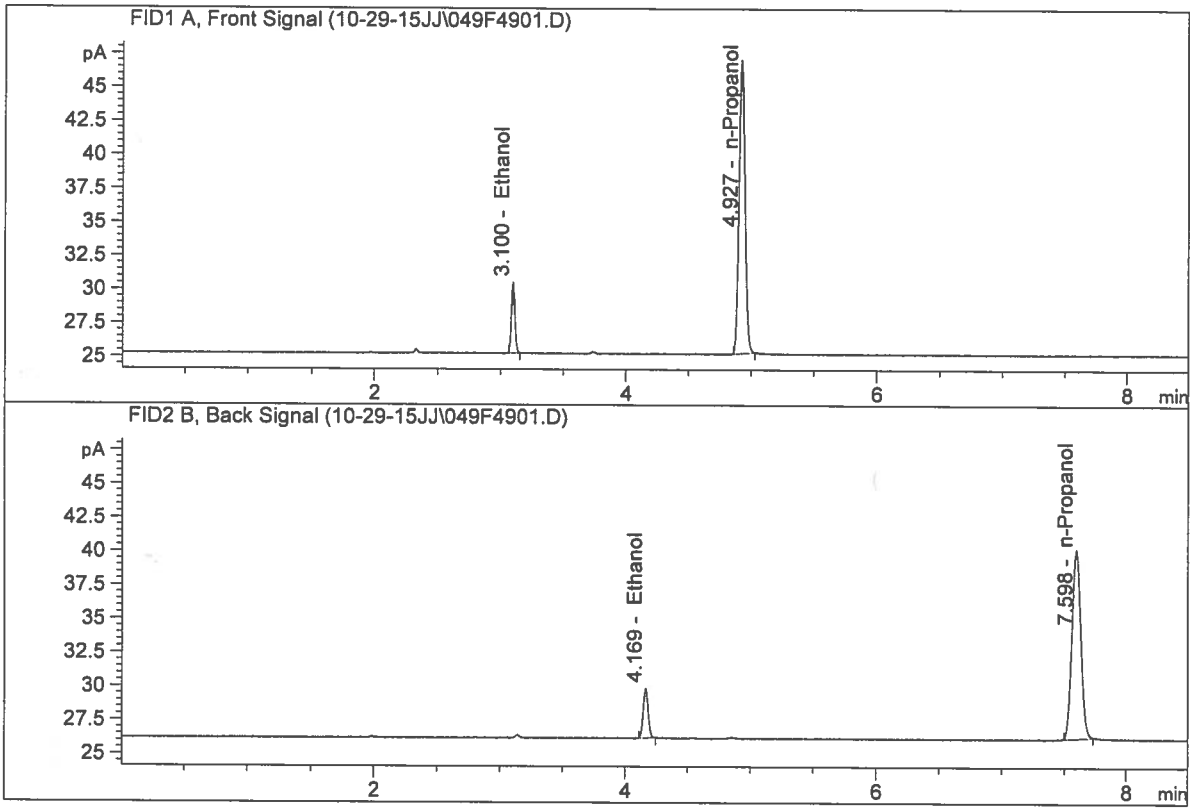
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.32831	0.0737	g/100cc
2.	Ethanol	Column 2:	10.24288	0.0731	g/100cc
3.	n-Propanol	Column 1:	71.88678	1.0000	g/100cc
4.	n-Propanol	Column 2:	71.16684	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Oct 29, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.16559	0.0733	g/100cc
2.	Ethanol	Column 2:	10.06898	0.0727	g/100cc
3.	n-Propanol	Column 1:	71.12719	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.32250	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 30 Oct 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean	
Sample Results	0.1981	0.1977	0.0004	0.1979	0.1981	
(g/100cc)	0.1988	0.1978	0.0010	0.1983		

Analysis Method

Refer to Volatiles Analytical Method 1.0

Instrument Information *Instrument method is stored centrally.*

Refer to Instrument Method: Alcohol.m
Hamilton Auto-Dilutor Serial Number: MD-96GF641

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

Overall Mean (g/100cc)	Low	High	5% of Mean
0.198	0.188	0.208	0.010

Reported Result
0.198

Calibration and control data are stored centrally.

Issued: 01/16/2014
Volatiles BAC Calculation Spreadsheet Rev 3
Issuing Authority: Quality Manager

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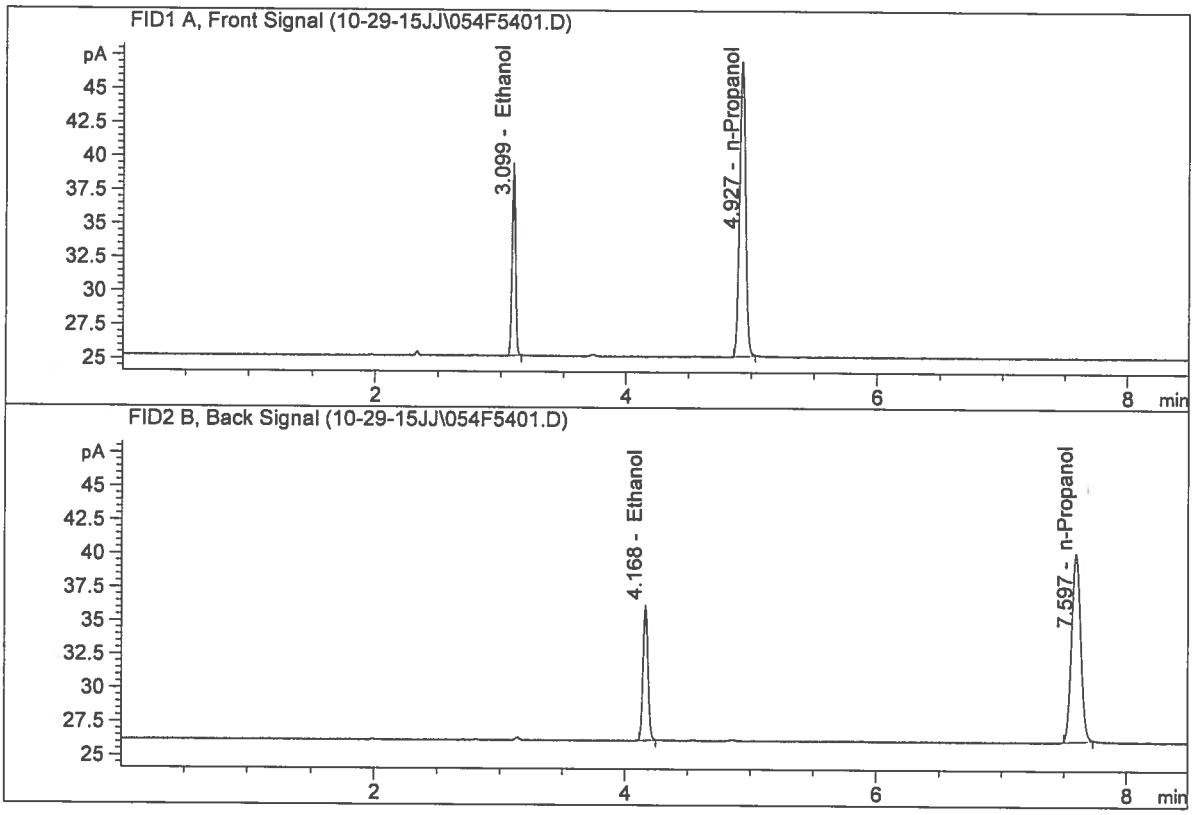
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-A
Laboratory : Coeur d' Alene
Injection Date : Oct 30, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.57752	0.1981	g/100cc
2.	Ethanol	Column 2:	27.37319	0.1977	g/100cc
3.	n-Propanol	Column 1:	71.36681	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.32997	1.0000	g/100cc

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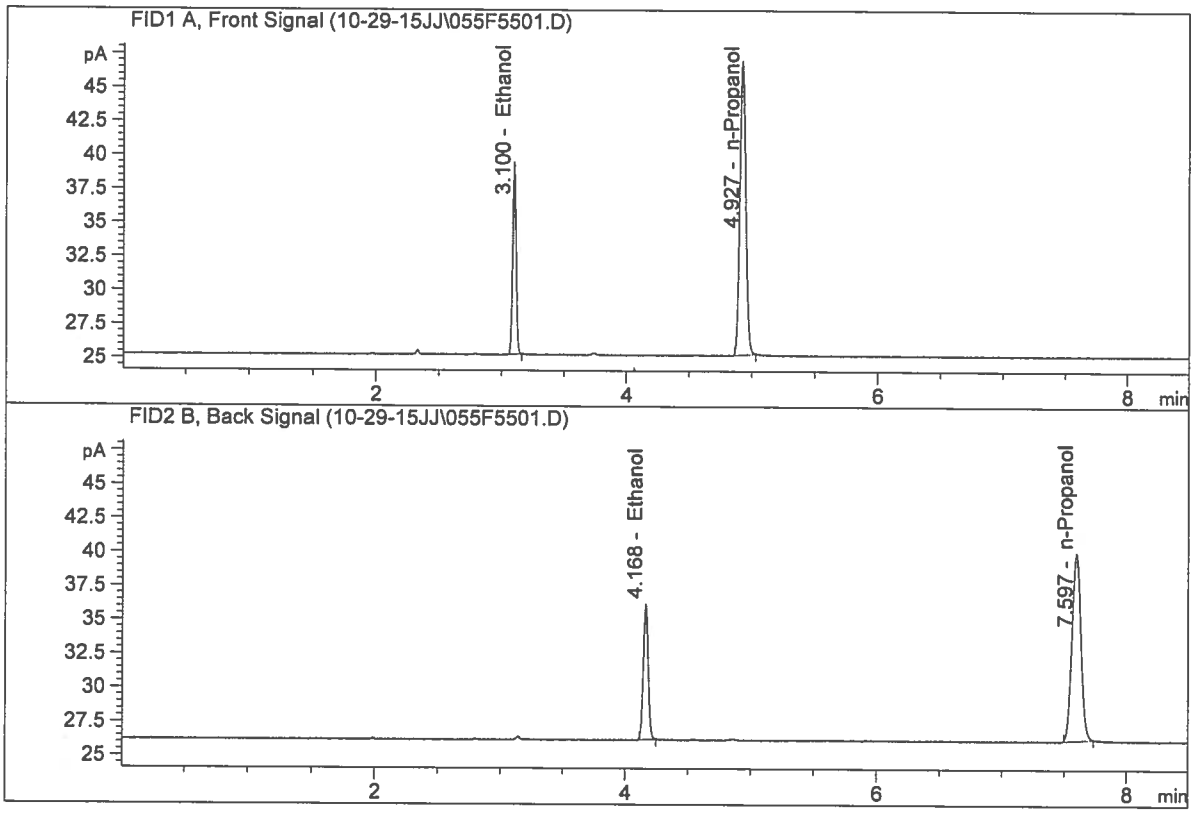
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Oct 30, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	27.43041	0.1988	g/100cc
2.	Ethanol	Column 2:	27.21997	0.1978	g/100cc
3.	n-Propanol	Column 1:	70.74500	1.0000	g/100cc
4.	n-Propanol	Column 2:	69.91183	1.0000	g/100cc

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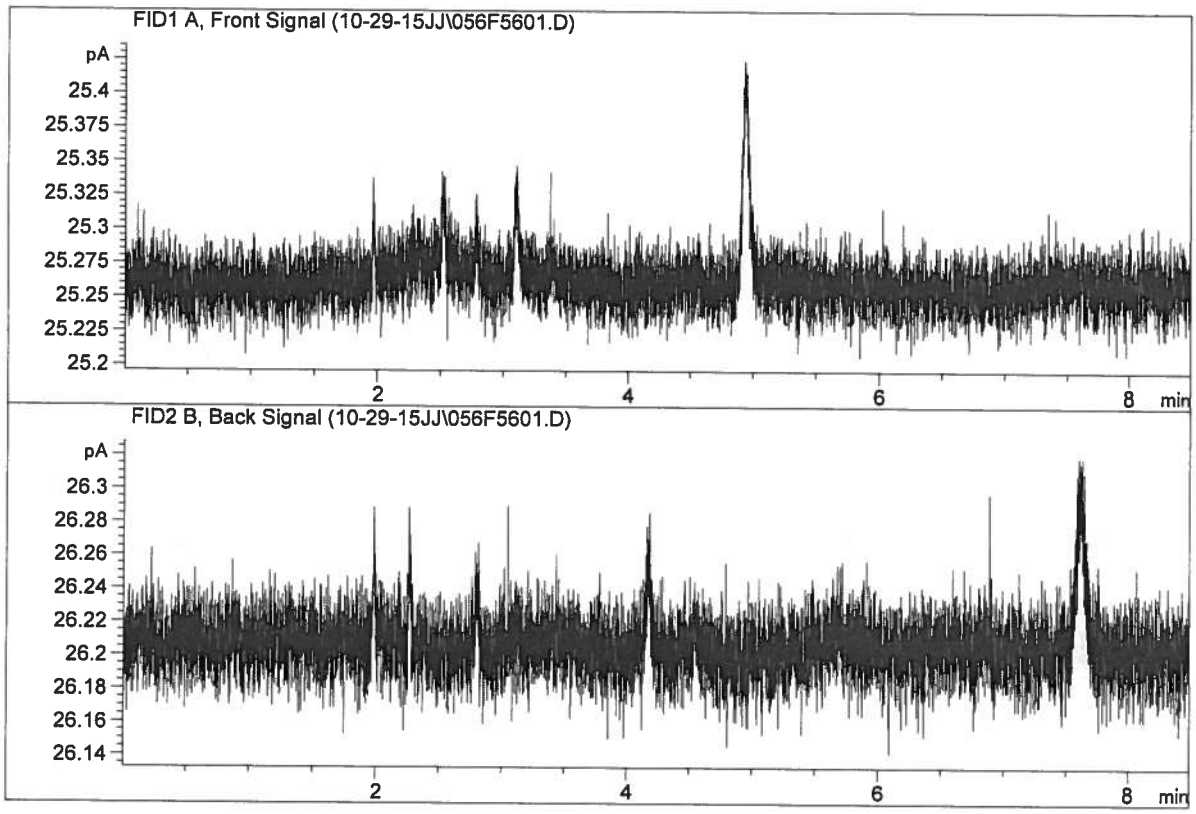
ISP Forensic Services Blood Alcohol Report

Sample Name : water
Laboratory : Coeur d' Alene
Injection Date : Oct 30, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	0.00000	0.0000	g/100cc
4.	n-Propanol	Column 2:	0.00000	0.0000	g/100cc

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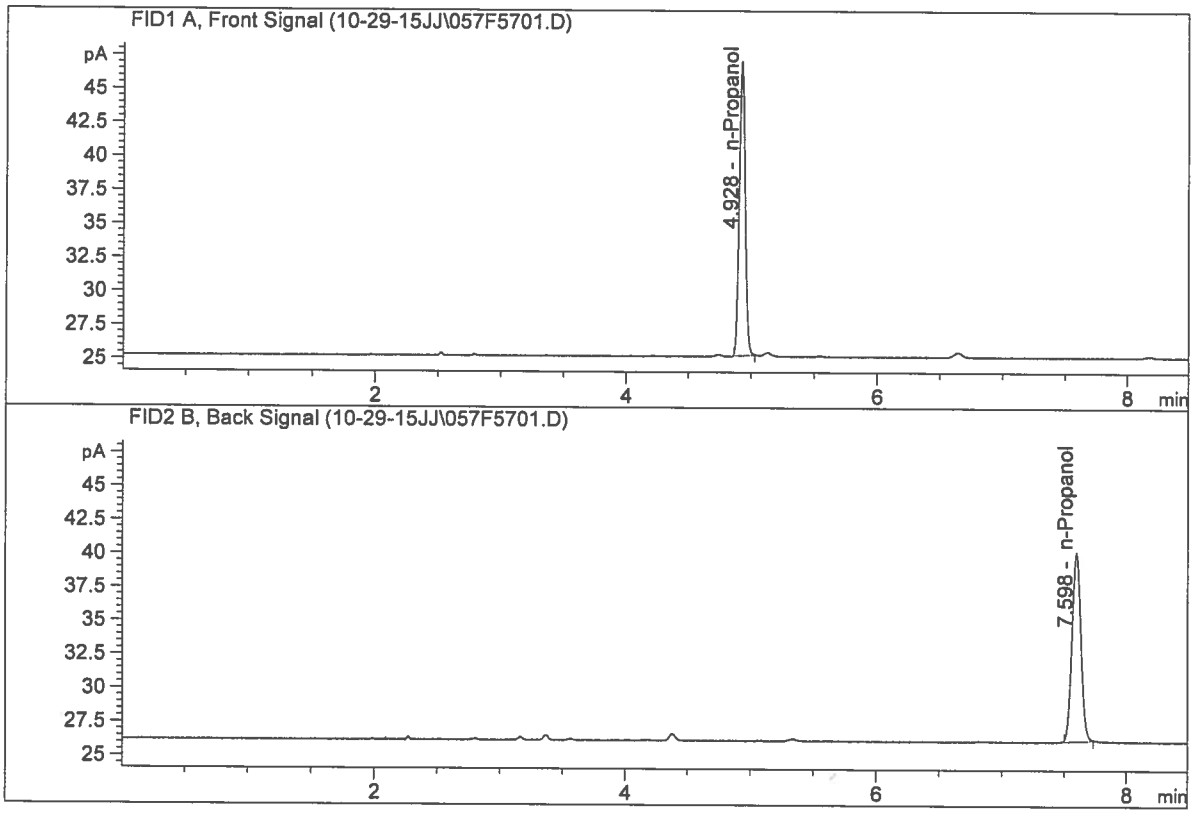
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Oct 30, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	0.00000	0.0000	g/100cc
2.	Ethanol	Column 2:	0.00000	0.0000	g/100cc
3.	n-Propanol	Column 1:	70.98686	1.0000	g/100cc
4.	n-Propanol	Column 2:	70.47127	1.0000	g/100cc

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Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_29.10.2015_02.51.30\10-29-2015.S
Data directory path: C:\Chem32\1\Data\10-29-15JJ
Logbook: C:\Chem32\1\Data\10-29-15JJ\10-29-2015.LOG
Sequence start: 10/29/2015 3:05:16 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	water	-	1.0000	001F0101.D		0
2	2	1	VOL MIX FN-01211	-	1.0000	002F0201.D		10
3	3	1	ISTD BLANK	-	1.0000	003F0301.D		2
4	4	1	QC-1-A	-	1.0000	004F0401.D		4
5	5	1	QC-1-B	-	1.0000	005F0501.D		4
6	6	1	0.08 FN09051304-	-	1.0000	006F0601.D		4
7	7	1	0.08 FN09051304-	-	1.0000	007F0701.D		4
8	8	1	C2015-1758-1-A	-	1.0000	008F0801.D		4
9	9	1	C2015-1758-1-B	-	1.0000	009F0901.D		4
10	10	1	C2015-1774-1-A	-	1.0000	010F1001.D		4
11	11	1	C2015-1774-1-B	-	1.0000	011F1101.D		4
12	12	1	C2015-1783-1-A	-	1.0000	012F1201.D		4
13	13	1	C2015-1783-1-B	-	1.0000	013F1301.D		4
14	14	1	C2015-1802-1-A	-	1.0000	014F1401.D		4
15	15	1	C2015-1802-1-B	-	1.0000	015F1501.D		4
16	16	1	C2015-1812-1-A	-	1.0000	016F1601.D		4
17	17	1	C2015-1812-1-B	-	1.0000	017F1701.D		4
18	18	1	C2015-1816-2-A	-	1.0000	018F1801.D		4
19	19	1	C2015-1816-2-B	-	1.0000	019F1901.D		4
20	20	1	C2015-1817-1-A	-	1.0000	020F2001.D		4
21	21	1	C2015-1817-1-B	-	1.0000	021F2101.D		4
22	22	1	C2015-1841-1-A	-	1.0000	022F2201.D		4
23	23	1	C2015-1841-1-B	-	1.0000	023F2301.D		4
24	24	1	C2015-1854-1-A	-	1.0000	024F2401.D		4
25	25	1	C2015-1854-1-B	-	1.0000	025F2501.D		4
26	26	1	QC-2-A	-	1.0000	026F2601.D		4
27	27	1	QC-2-B	-	1.0000	027F2701.D		4
28	28	1	C2015-1856-1-A	-	1.0000	028F2801.D		4
29	29	1	C2015-1856-1-B	-	1.0000	029F2901.D		4
30	30	1	C2015-1865-1-A	-	1.0000	030F3001.D		2
31	31	1	C2015-1865-1-B	-	1.0000	031F3101.D		2
32	32	1	C2015-1887-1-A	-	1.0000	032F3201.D		2
33	33	1	C2015-1887-1-B	-	1.0000	033F3301.D		2
34	34	1	C2015-1889-1-A	-	1.0000	034F3401.D		4
35	35	1	C2015-1889-1-B	-	1.0000	035F3501.D		4
36	36	1	C2015-1892-1-A	-	1.0000	036F3601.D		2
37	37	1	C2015-1892-1-B	-	1.0000	037F3701.D		2
38	38	1	C2015-1893-1-A	-	1.0000	038F3801.D		4
39	39	1	C2015-1893-1-B	-	1.0000	039F3901.D		4
40	40	1	C2015-1934-1-A	-	1.0000	040F4001.D		4
41	41	1	C2015-1934-1-B	-	1.0000	041F4101.D		4
42	42	1	C2015-1935-1-A	-	1.0000	042F4201.D		2
43	43	1	C2015-1935-1-B	-	1.0000	043F4301.D		2
44	44	1	C2015-1943-1-A	-	1.0000	044F4401.D		4
45	45	1	C2015-1943-1-B	-	1.0000	045F4501.D		4
46	46	1	C2015-1946-1-A	-	1.0000	046F4601.D		2

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Sequence File C:\Chem32\1\TEMP\AESEQ\QS_29.10.2015_02.51.30\10-29-2015.S

Run #	Location	Inj #	Sample Name	Sample Amt [g/100cc]	Multip.* Dilution	File name	Cal	# Cmp
47	47	1	C2015-1946-1-B	-	1.0000	047F4701.D		2
48	48	1	QC-1-A	-	1.0000	048F4801.D		4
49	49	1	QC-1-B	-	1.0000	049F4901.D		4
50	50	1	C2015-1952-1-A	-	1.0000	050F5001.D		4
51	51	1	C2015-1952-1-B	-	1.0000	051F5101.D		4
52	52	1	C2015-1653-1-A	-	1.0000	052F5201.D		4
53	53	1	C2015-1653-1-B	-	1.0000	053F5301.D		4
54	54	1	QC-2-A	-	1.0000	054F5401.D		4
55	55	1	QC-2-B	-	1.0000	055F5501.D		4
56	56	1	water	-	1.0000	056F5601.D		0
57	57	1	ISTD BLANK	-	1.0000	057F5701.D		2

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