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): 8-13-15**

Control level	Expiration	Lot #	Target Value	Acceptable Range	Overall Results
Level 1	Dec-15	1211090	0.0773	0.0696-0.0850	0.0767 g/100cc
					0.0797 g/100cc
					g/100cc
Level 2	Jan-17	1212091	0.2020	0.1818-0.2222	0.2015 g/100cc
					g/100cc
					g/100cc
Multi-Component mixture:		**Jan-16**	**Lot #**	FN012111-01	OK
Curve Fit:			**Column 1**	0.99999 **Column2**	0.99998

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	0.0503	0.0494	0.0009	0.0498
0.080	Jan-17	FN011712-02	0.080	0.072 - 0.088			0	#DIV/0!
0.100	Mar-19	FN02021403	0.100	0.090 - 0.110	0.0994	0.0983	0.0011	0.0988
0.200	Mar-17	FN032712-01	0.200	0.180 - 0.220	0.2010	0.2000	0.001	0.2005
0.300	Oct-18	FN09061305	0.300	0.270 - 0.330	0.2982	0.2976	0.0006	0.2979
0.400			0.400	0.360 - 0.440			0	#DIV/0!
0.500	Jan-18	FN01281301	0.500	0.450 - 0.550	0.5008	0.5018	0.001	0.5013

Aqueous Controls

Control level	Expiration	Cerilliant Lot #	Target Value	Acceptable Range	Overall Results
0.080	Jan-17	FN011712-02	0.08000	0.076 - 0.084	0.08 g/100cc

Issued: 4/22/2015

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

Volatiles QA/QC data spreadsheet Rev 5

Issuing Authority: Quality Manager

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, August 13, 2015 11:29:19 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

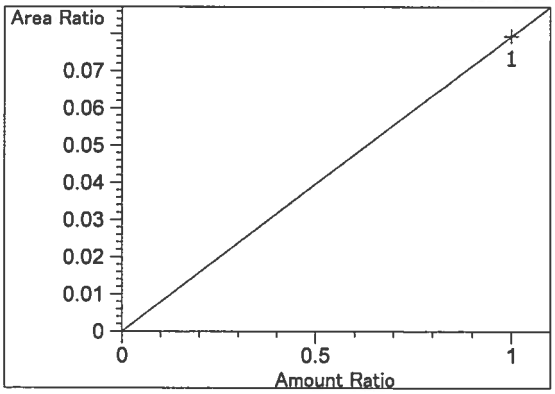
Method C:\CHEM32\1\METHODS\ALCOHOL.M

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	6.29128	7.94751e-3	No	No	1	Ethanol
		2	1.00000e-1	12.32532	8.11338e-3				
		3	2.00000e-1	24.76624	8.07551e-3				
		4	3.00000e-1	37.20115	8.06427e-3				
		5	5.00000e-1	62.26124	8.03068e-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
4.166	2	1	5.00000e-2	6.18457	8.08464e-3	No	No	2	Ethanol
		2	1.00000e-1	12.19267	8.20165e-3				
		3	2.00000e-1	24.60719	8.12770e-3				
		4	3.00000e-1	36.93954	8.12138e-3				
		5	5.00000e-1	61.89278	8.07849e-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
4.927	1	1	1.00000	63.43257	1.57648e-2	No	Yes	1	n-Propanol
		2	1.00000	62.90582	1.58968e-2				
		3	1.00000	62.52935	1.59925e-2				
		4	1.00000	63.30734	1.57960e-2				
		5	1.00000	63.08868	1.58507e-2				
7.596	2	1	1.00000	63.06304	1.58571e-2	No	Yes	2	n-Propanol
		2	1.00000	62.50154	1.59996e-2				
		3	1.00000	62.01703	1.61246e-2				
		4	1.00000	62.57585	1.59806e-2				
		5	1.00000	62.18181	1.60819e-2				

Peak Sum Table

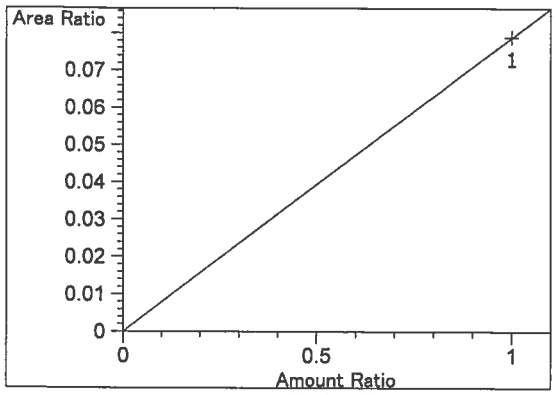
No Entries in table

Calibration Curves

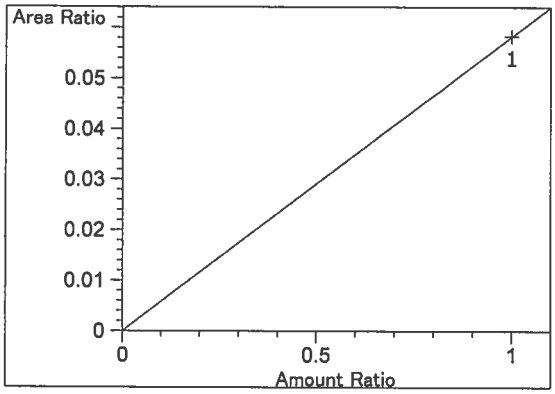


Difluoroethane at exp. RT: 2.000
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.92857e-2
x: Amount Ratio
y: Area Ratio

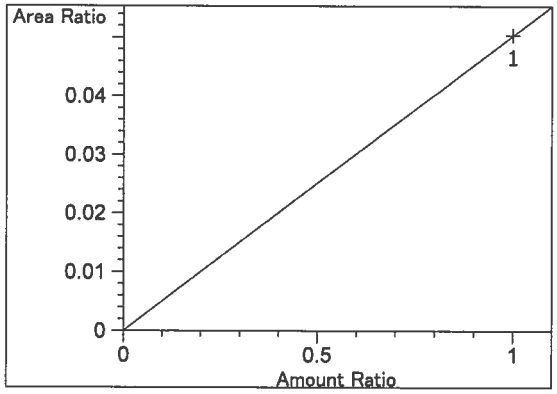
Method C:\CHEM32\1\METHODS\ALCOHOL.M



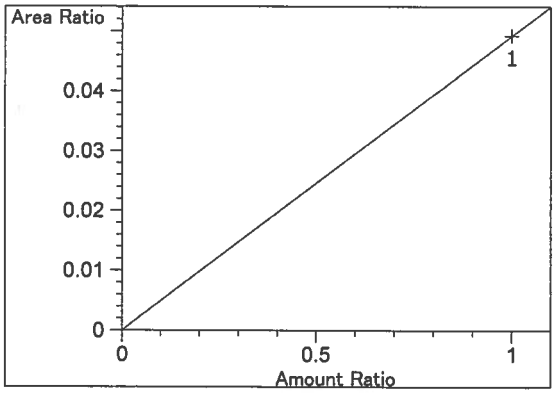
Difluoroethane at exp. RT: 2.000
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 7.88239e-2
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 2.494
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.82775e-2
x: Amount Ratio
y: Area Ratio

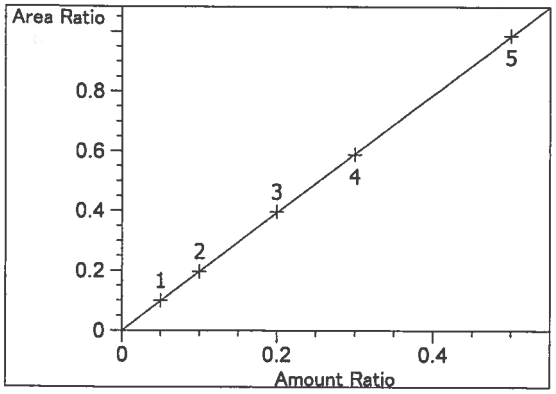


Acetaldehyde at exp. RT: 2.772
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 5.03386e-2
x: Amount Ratio
y: Area Ratio

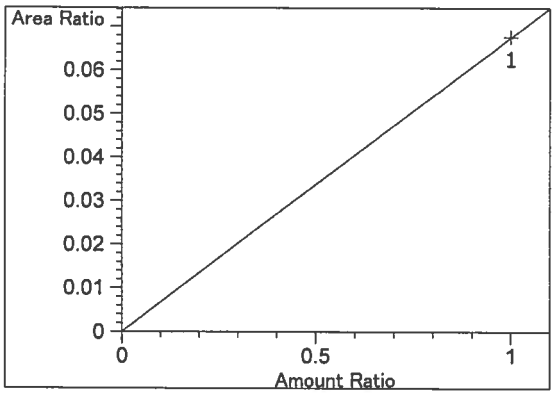


Acetaldehyde at exp. RT: 2.797
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 4.92483e-2
x: Amount Ratio
y: Area Ratio

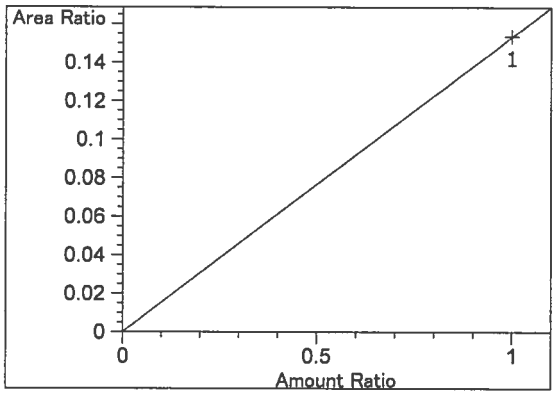
Method C:\CHEM32\1\METHODS\ALCOHOL.M



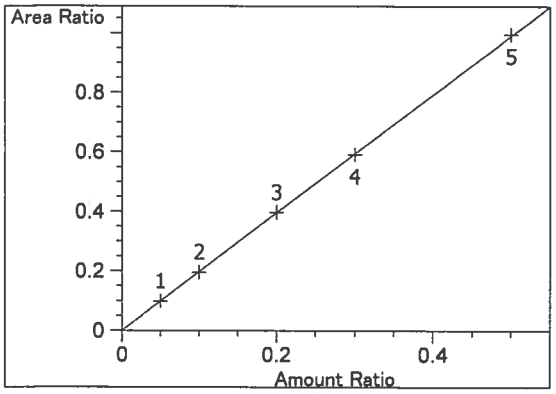
Ethanol at exp. RT: 3.099
FID1 A, Front Signal
Correlation: 0.99999
Residual Std. Dev.: 0.00227
Formula: y = mx
m: 1.97069
x: Amount Ratio
y: Area Ratio



Methanol at exp. RT: 3.211
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 6.75614e-2
x: Amount Ratio
y: Area Ratio

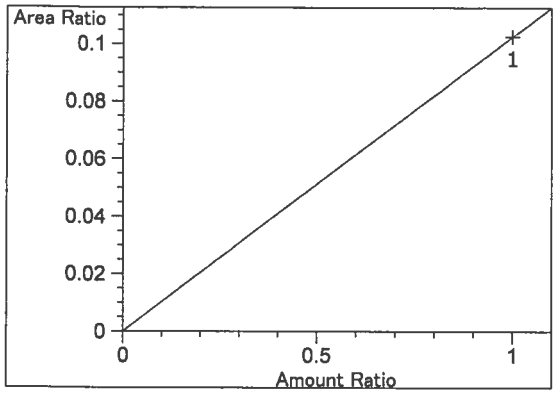


Isopropyl alcohol at exp. RT: 3.715
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.53400e-1
x: Amount Ratio
y: Area Ratio

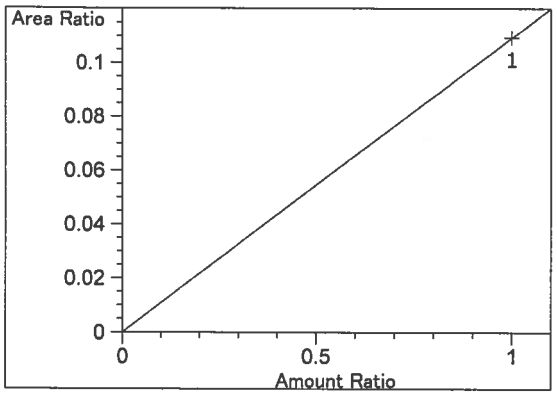


Ethanol at exp. RT: 4.166
FID2 B, Back Signal
Correlation: 0.99998
Residual Std. Dev.: 0.00344
Formula: y = mx
m: 1.98354
x: Amount Ratio
y: Area Ratio

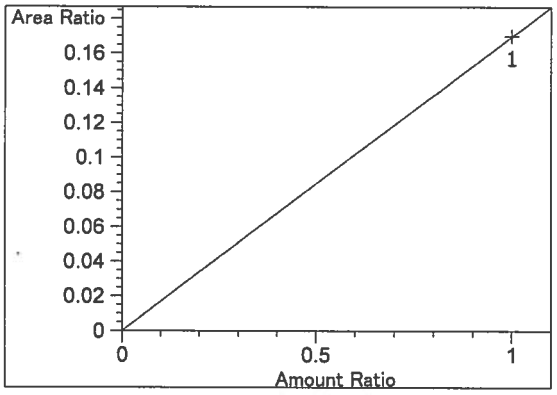
Method C:\CHEM32\1\METHODS\ALCOHOL.M



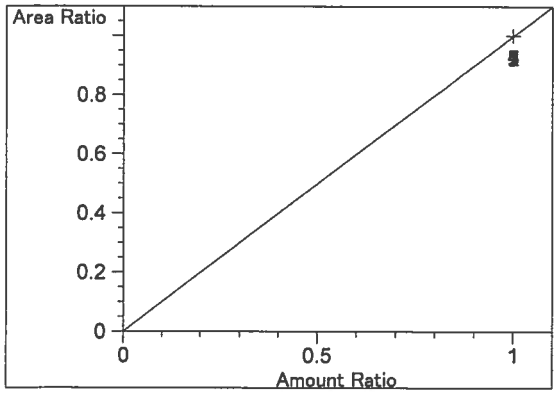
Acetone at exp. RT: 4.530
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.02462e-1
x: Amount Ratio
y: Area Ratio



Acetone at exp. RT: 4.549
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.09303e-1
x: Amount Ratio
y: Area Ratio

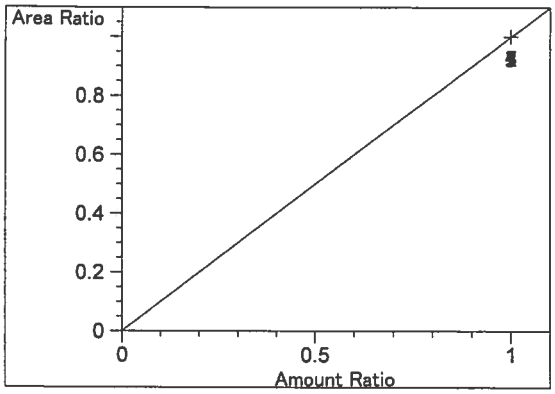


Isopropyl alcohol at exp. RT: 4.870
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.69773e-1
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 4.927
FID1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

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



n-Propanol at exp. RT: 7.596
FID2 B, Back Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx
m: 1.00000
x: Amount Ratio
y: Area Ratio

==========

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_13.08.2015_11.38.49\8-13-2015.S

Sample Summary

Sequence table: C:\Chem32\1\TEMP\AESEQ\QS_13.08.2015_11.38.49\8-13-2015.S
Data directory path: C:\Chem32\1\Data\8-13-15JJ
Logbook: C:\Chem32\1\Data\8-13-15JJ\8-13-2015.LOG
Sequence start: 8/13/2015 11:52:34 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	VOL MIX FN-01211	-	1.0000	001F0101.D		10
2	2	1	ISTD BLANK	-	1.0000	002F0201.D		2
3	3	1	QC-1-A	-	1.0000	003F0301.D		4
4	4	1	QC-1-B	-	1.0000	004F0401.D		4
5	5	1	0.08 FN011712-02	-	1.0000	005F0501.D		4
6	6	1	0.08 FN011712-02	-	1.0000	006F0601.D		4
7	7	1	15106-350-1-A	-	1.0000	007F0701.D		4
8	8	1	15106-350-1-B	-	1.0000	008F0801.D		4
9	9	1	15106-1053-1-A	-	1.0000	009F0901.D		4
10	10	1	15106-1053-1-B	-	1.0000	010F1001.D		4
11	11	1	C2015-1043-3-A	-	1.0000	011F1101.D		2
12	12	1	C2015-1043-3-B	-	1.0000	012F1201.D		2
13	13	1	C2015-1381-1-A	-	1.0000	013F1301.D		4
14	14	1	C2015-1381-1-B	-	1.0000	014F1401.D		4
15	15	1	C2015-1382-1-A	-	1.0000	015F1501.D		4
16	16	1	C2015-1382-1-B	-	1.0000	016F1601.D		4
17	17	1	C2015-1383-1-A	-	1.0000	017F1701.D		4
18	18	1	C2015-1383-1-B	-	1.0000	018F1801.D		4
19	19	1	C2015-1385-1-A	-	1.0000	019F1901.D		4
20	20	1	C2015-1385-1-B	-	1.0000	020F2001.D		4
21	21	1	C2015-1386-1-A	-	1.0000	021F2101.D		4
22	22	1	C2015-1386-1-B	-	1.0000	022F2201.D		4
23	23	1	C2015-1411-1-A	-	1.0000	023F2301.D		2
24	24	1	C2015-1411-1-B	-	1.0000	024F2401.D		2
25	25	1	QC-2-A	-	1.0000	025F2501.D		4
26	26	1	QC-2-B	-	1.0000	026F2601.D		4
27	27	1	C2015-1414-1-A	-	1.0000	027F2701.D		4
28	28	1	C2015-1414-1-B	-	1.0000	028F2801.D		4
29	29	1	C2015-1452-1-A	-	1.0000	029F2901.D		2
30	30	1	C2015-1452-1-B	-	1.0000	030F3001.D		2
31	31	1	C2015-1452-2-A	-	1.0000	031F3101.D		2
32	32	1	C2015-1452-2-B	-	1.0000	032F3201.D		2
33	33	1	C2015-1452-3-A	-	1.0000	033F3301.D		2
34	34	1	C2015-1452-3-B	-	1.0000	034F3401.D		2
35	35	1	QC-1-A	-	1.0000	035F3501.D		4
36	36	1	QC-1-B	-	1.0000	036F3601.D		4
37	37	1	ISTD BLANK	-	1.0000	037F3701.D		2
38	38	1	ISTD BLANK	-	1.0000	038F3801.D		2

Sequence File C:\Chem32\1\TEMP\AESEQ\QS_13.08.2015_09.55.33\8-13-2015cal.S

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

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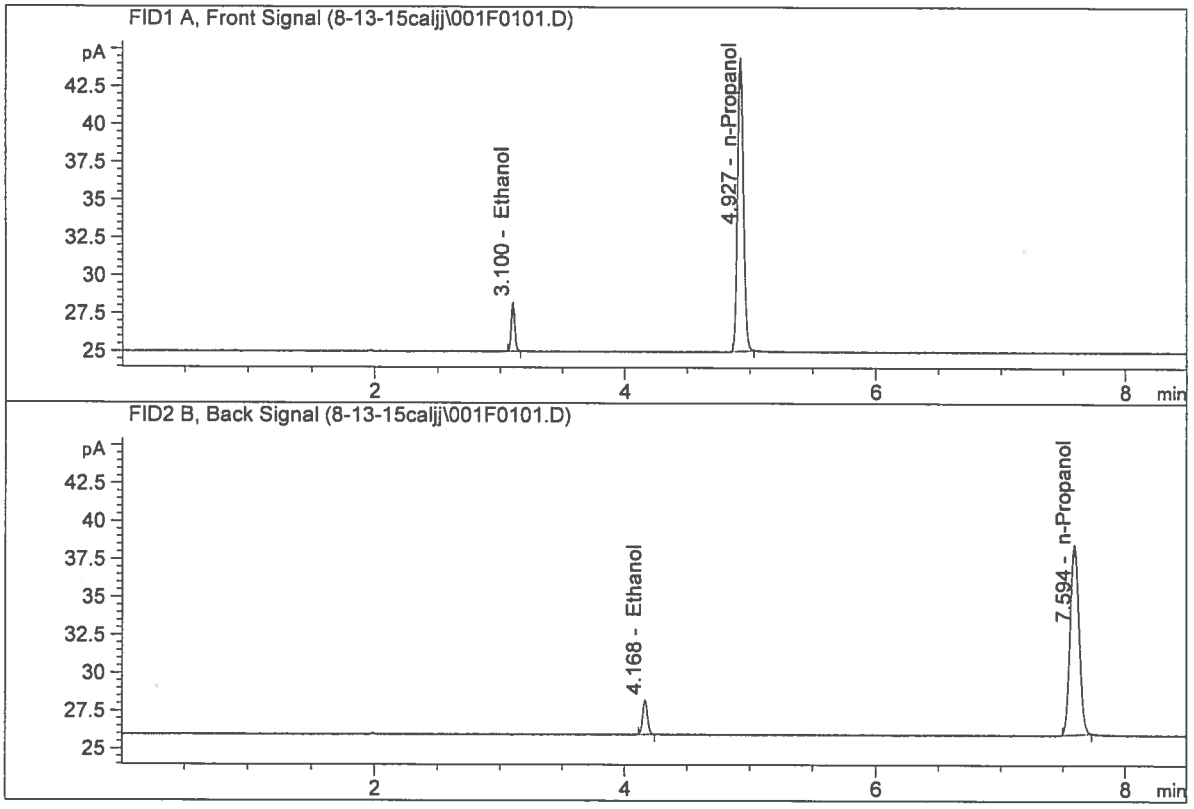
Data directory path: C:\Chem32\1\Data\8-13-15caljj
Logbook: C:\Chem32\1\Data\8-13-15caljj\8-13-2015cal.LOG
Sequence start: 8/13/2015 10:09:19 AM
Sequence Operator: SYSTEM
Operator: SYSTEM

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	0.100	-	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 : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	6.29128	0.0503	g/100cc
2.	Ethanol	Column 2:	6.18457	0.0494	g/100cc
3.	n-Propanol	Column 1:	63.43257	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.06304	1.0000	g/100cc

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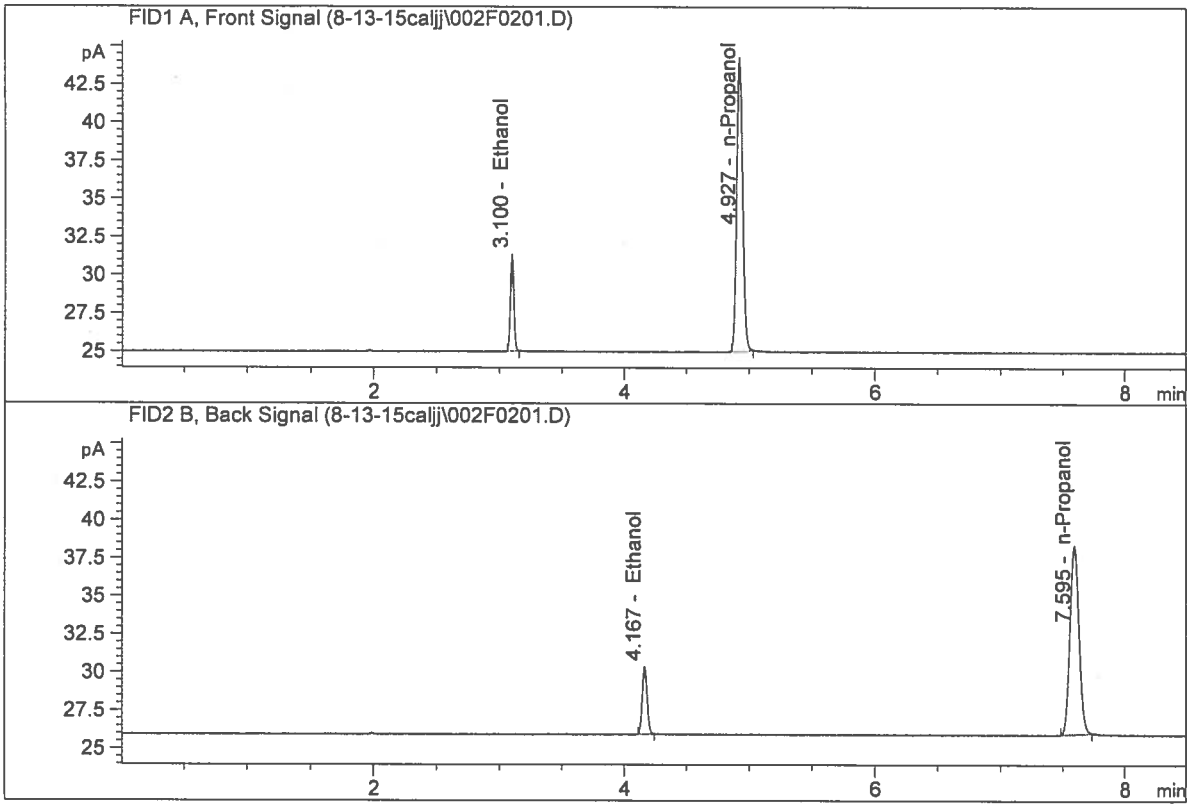
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.100
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	12.32532	0.0994	g/100cc
2.	Ethanol	Column 2:	12.19267	0.0983	g/100cc
3.	n-Propanol	Column 1:	62.90582	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.50154	1.0000	g/100cc

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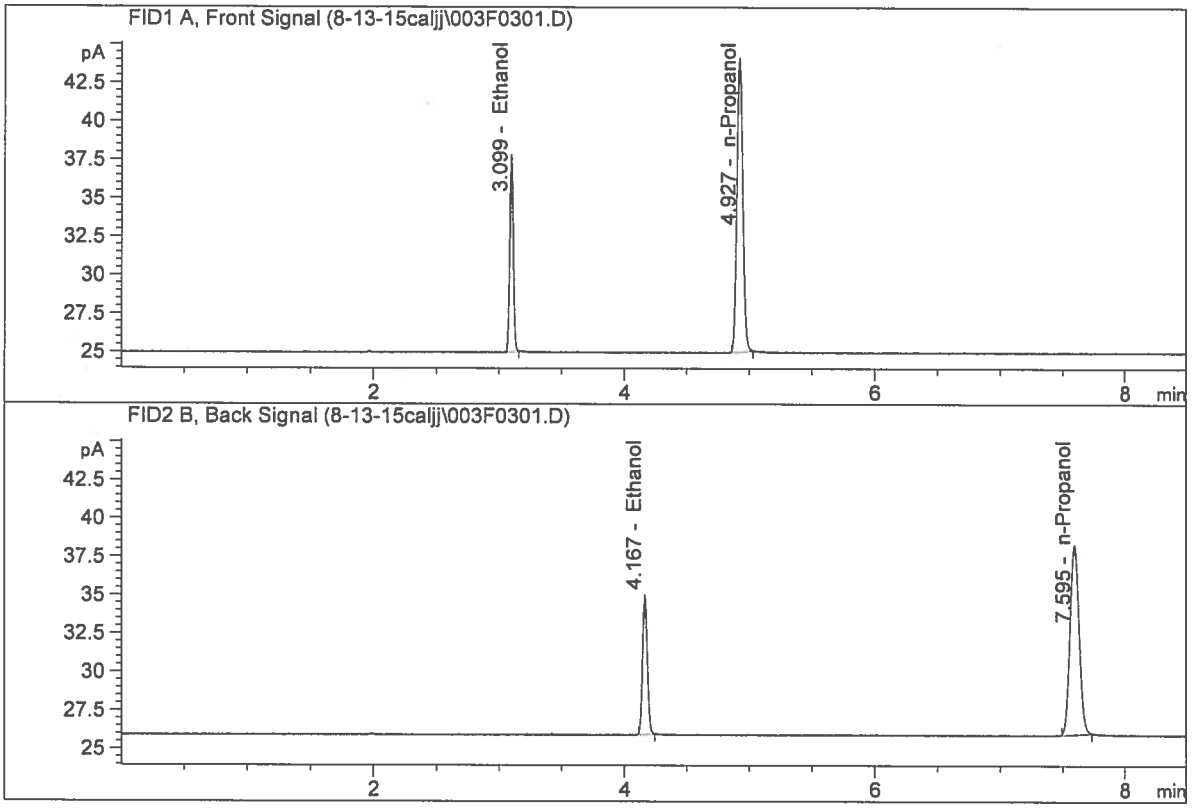
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.200
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	24.76624	0.2010	g/100cc
2.	Ethanol	Column 2:	24.60719	0.2000	g/100cc
3.	n-Propanol	Column 1:	62.52935	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.01703	1.0000	g/100cc

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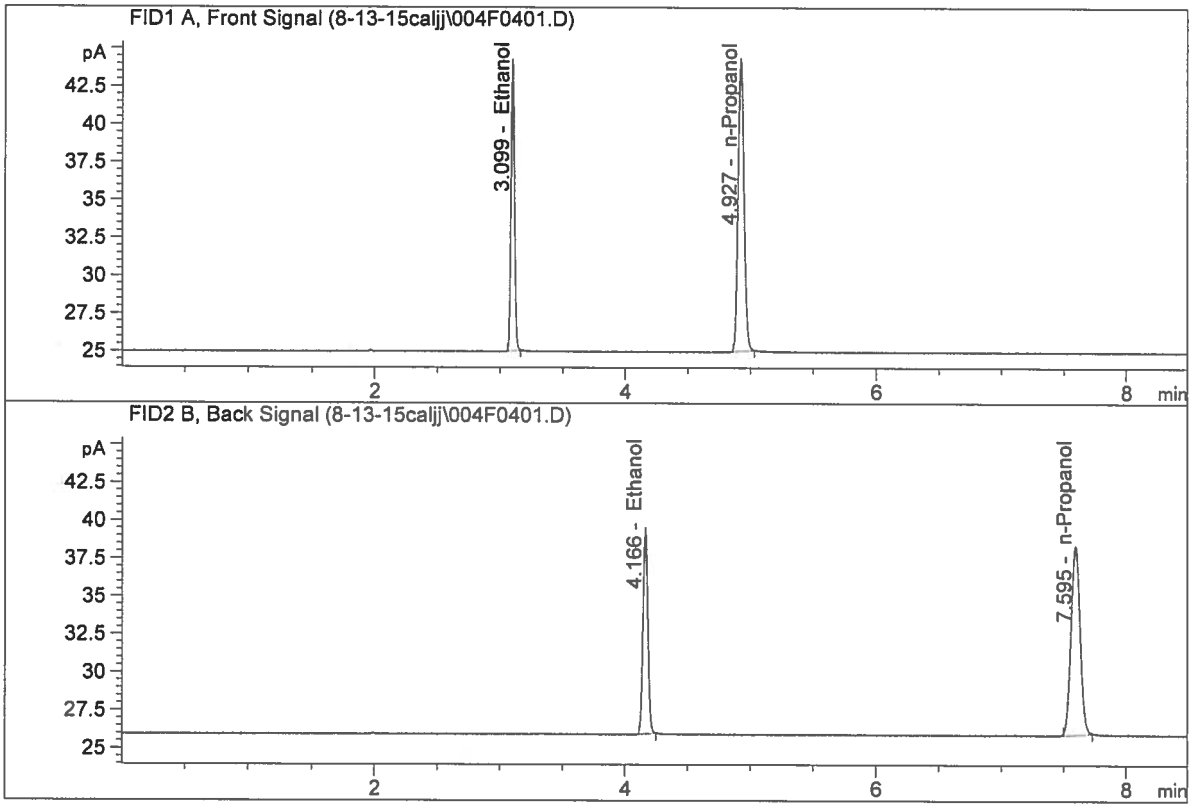
ISP Forensic Services Blood Alcohol Report

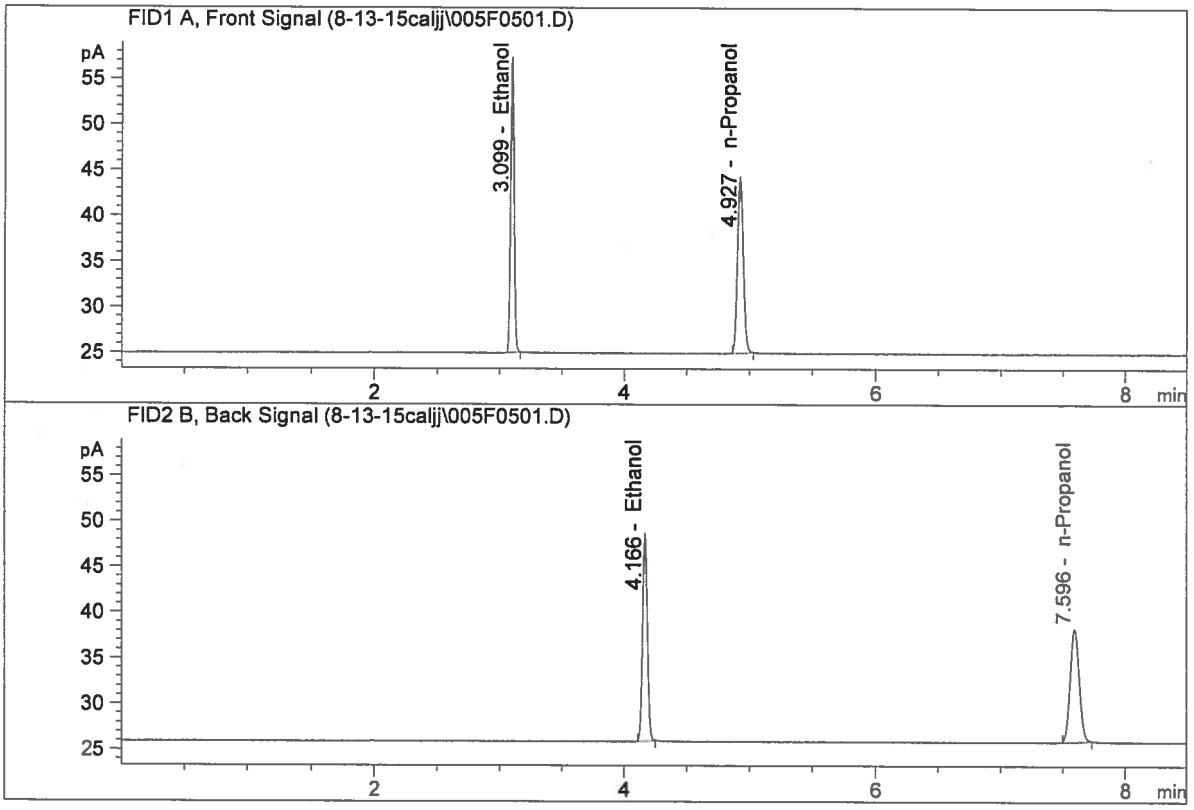
Sample Name : 0.300
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	37.20115	0.2982	g/100cc
2.	Ethanol	Column 2:	36.93954	0.2976	g/100cc
3.	n-Propanol	Column 1:	63.30734	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.57585	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : 0.500
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	62.26124	0.5008	g/100cc
2.	Ethanol	Column 2:	61.89278	0.5018	g/100cc
3.	n-Propanol	Column 1:	63.08868	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.18181	1.0000	g/100cc

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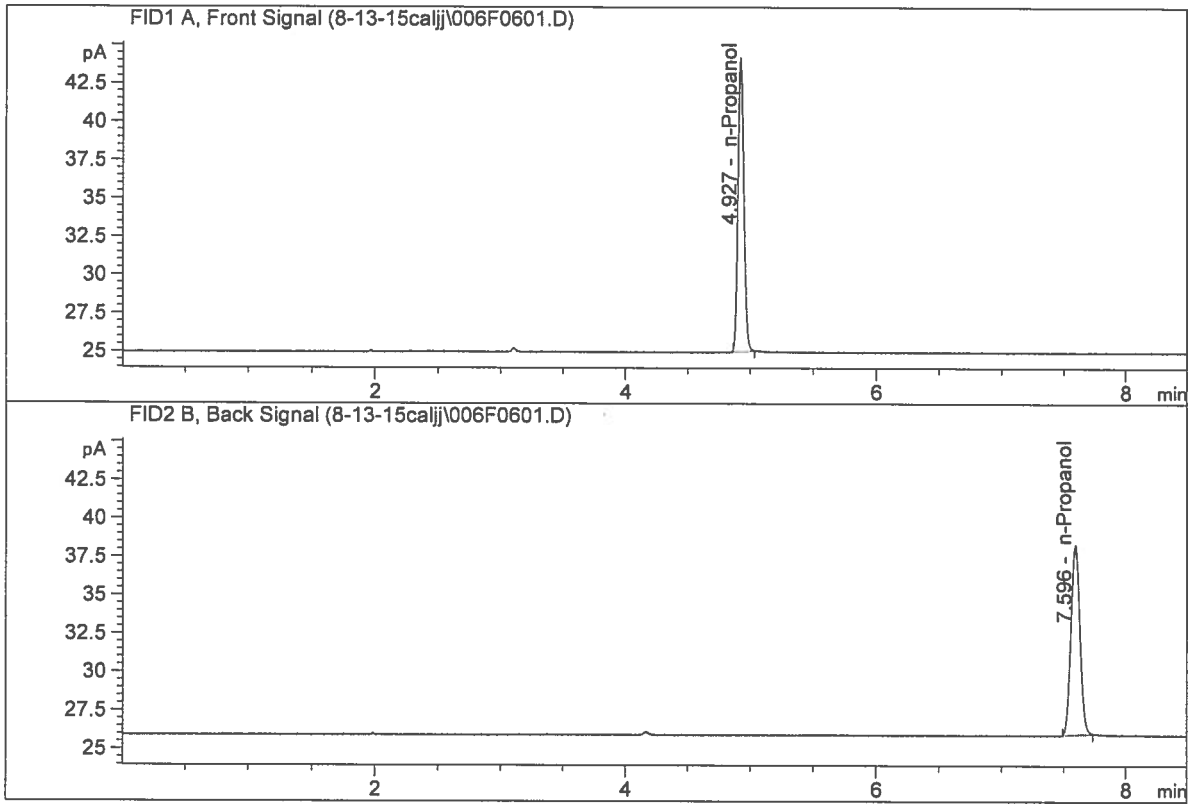
ISP Forensic Services Blood Alcohol Report

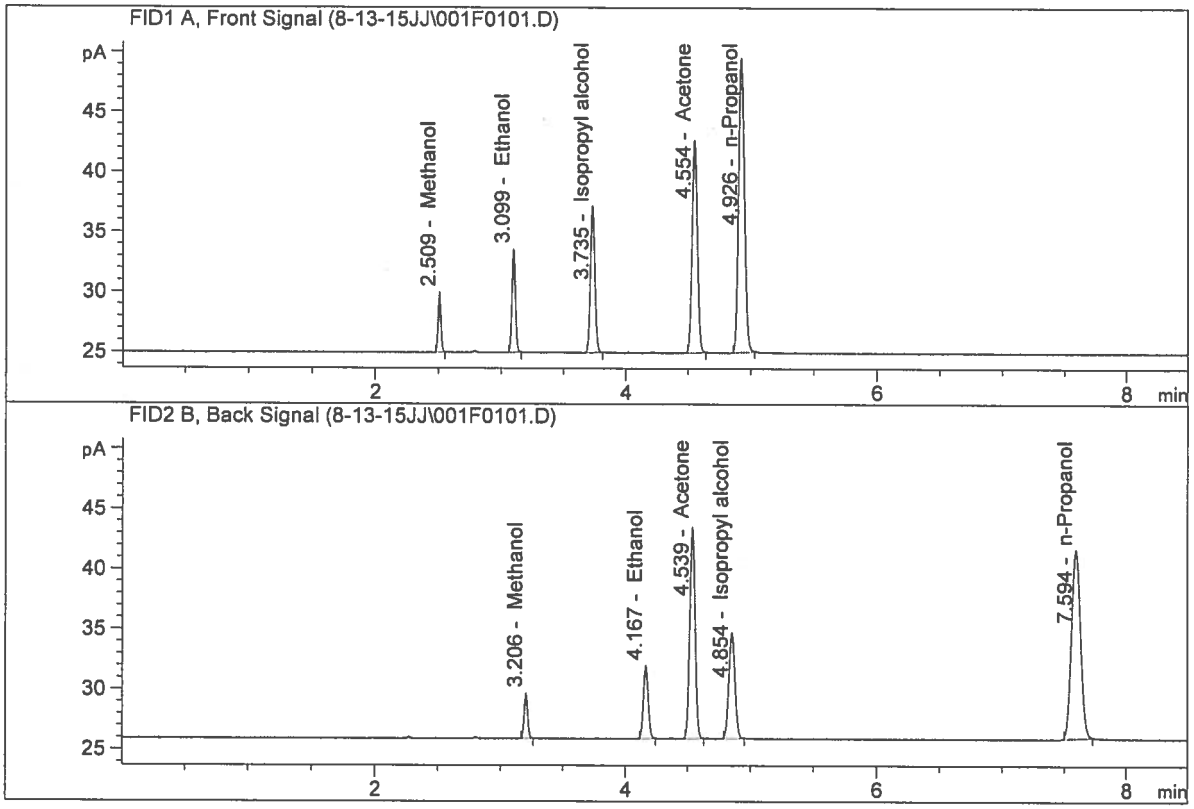
Sample Name : blank
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	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:	62.59198	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.24195	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : VOL MIX FN-012111-01
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	16.61315	0.1056	g/100cc
2.	Ethanol	Column 2:	16.55751	0.1058	g/100cc
3.	n-Propanol	Column 1:	79.85559	1.0000	g/100cc
4.	n-Propanol	Column 2:	78.90347	1.0000	g/100cc

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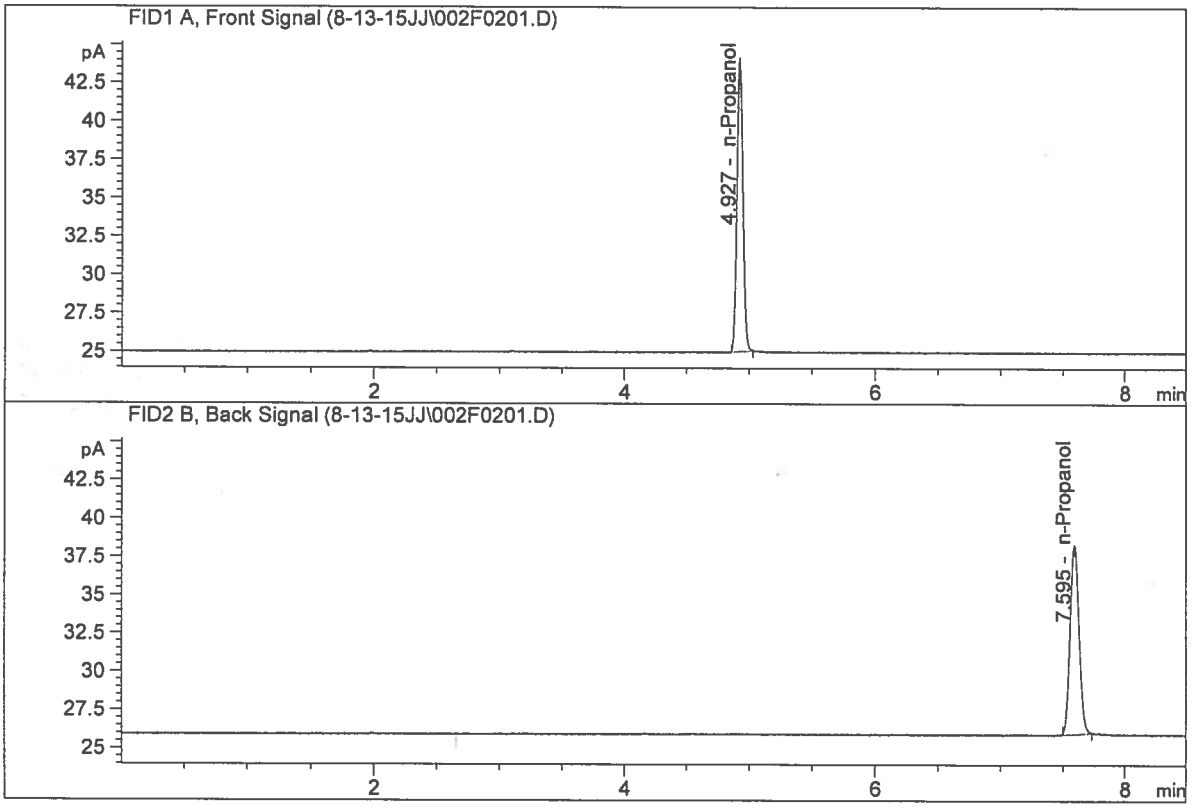
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 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:	62.59127	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.11677	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 13 Aug 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0770	0.0767	0.0003	0.0768	0.0767
(g/100cc)	0.0770	0.0764	0.0006	0.0767	

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
0.076	**0.072**	**0.080**	**0.004**

Reported Result
0.076

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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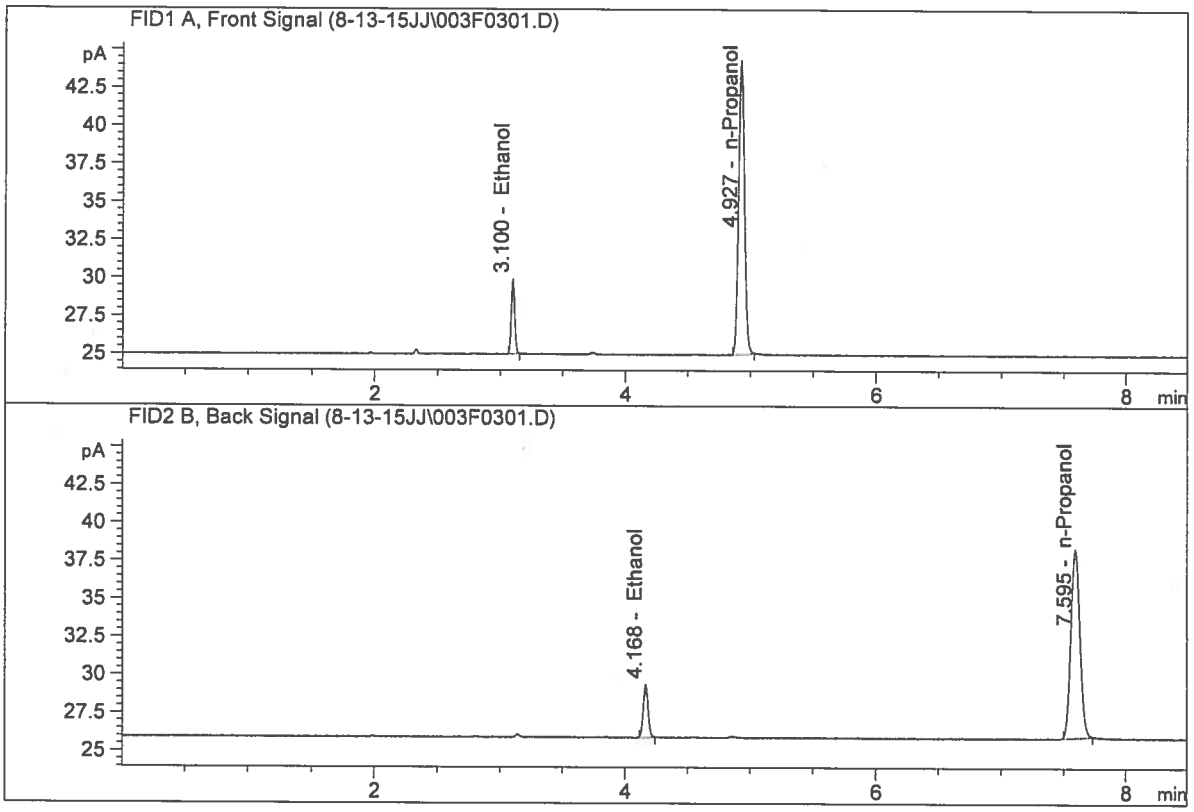
ISP Forensic Services Blood Alcohol Report

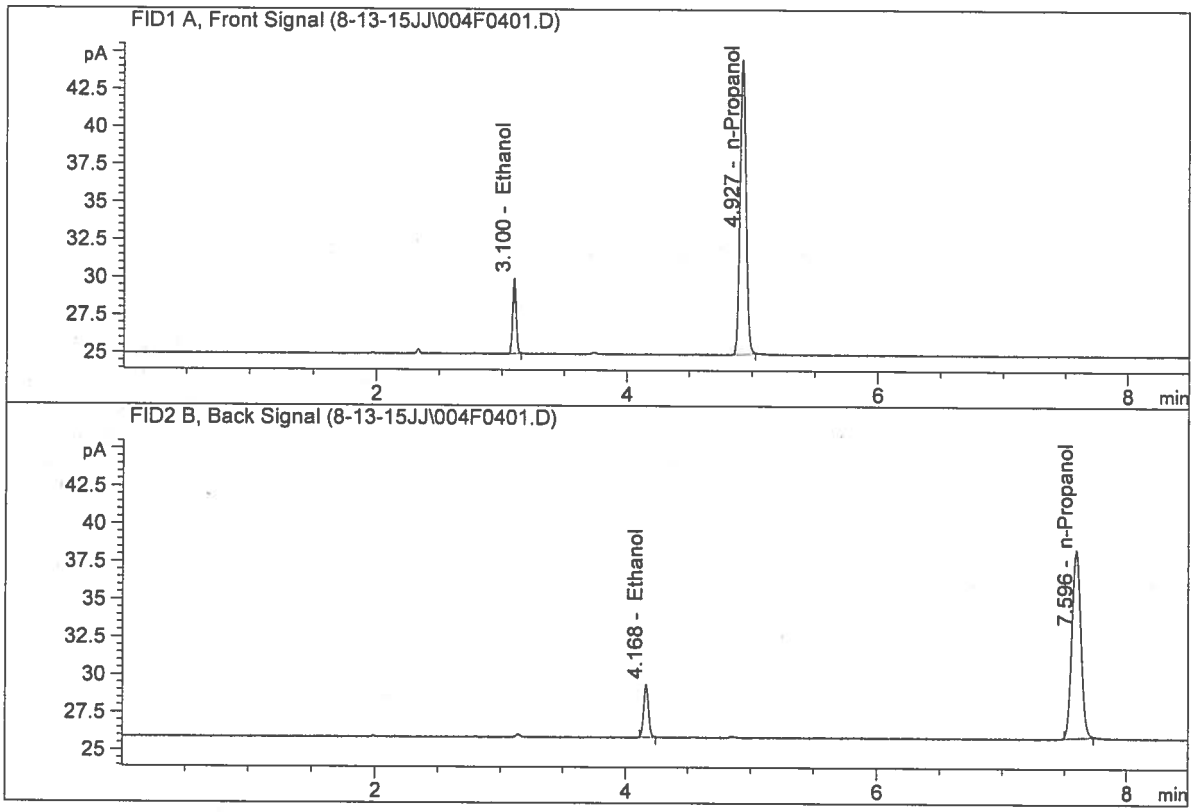
Sample Name : QC-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.56753	0.0770	g/100cc
2.	Ethanol	Column 2:	9.50769	0.0767	g/100cc
3.	n-Propanol	Column 1:	63.08774	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.51415	1.0000	g/100cc

ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.66983	0.0770	g/100cc
2.	Ethanol	Column 2:	9.55107	0.0764	g/100cc
3.	n-Propanol	Column 1:	63.72212	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.06103	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: 0.08 FN011712-02-1 **Analysis Date(s): 13 Aug 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0805	0.0797	0.0008	0.0801	0.0800
(g/100cc)	0.0803	0.0797	0.0006	0.0800	

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
0.080	0.076	0.084	0.004

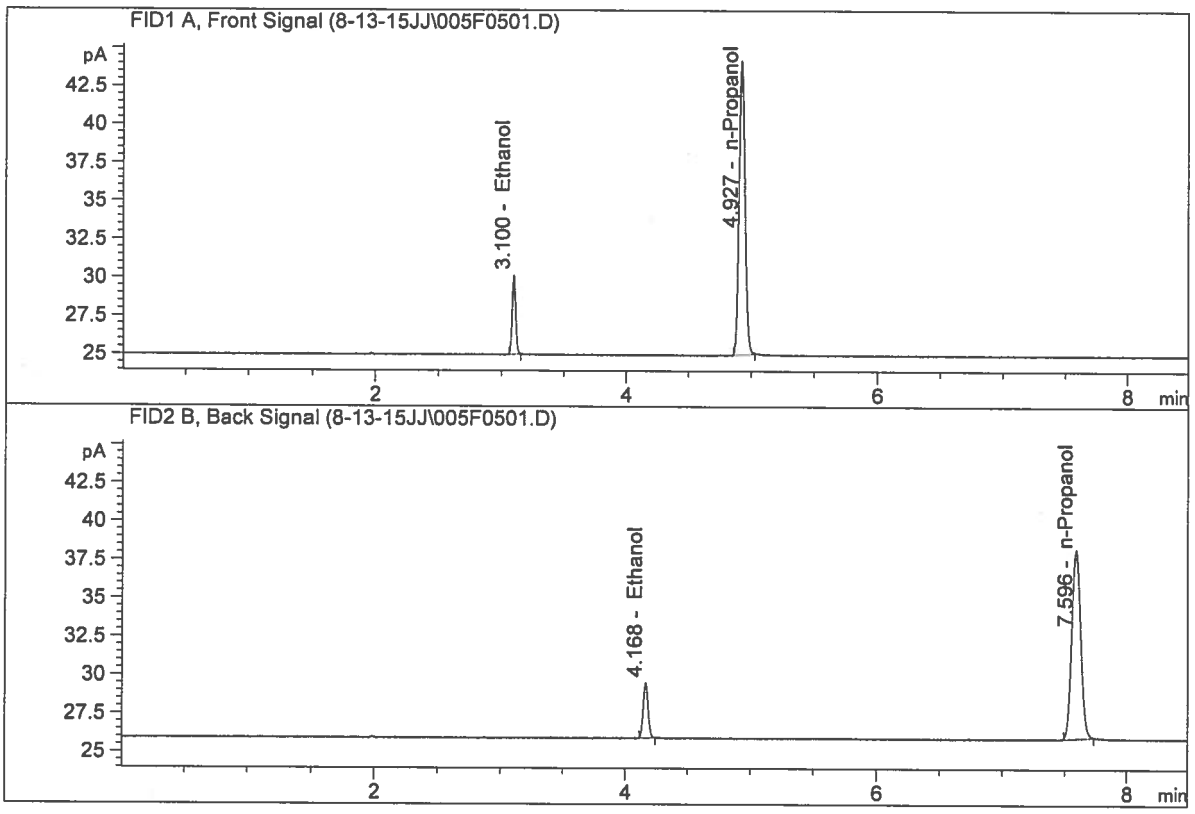
Reported Result
0.080

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 FN011712-02-1-A
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.93493	0.0805	g/100cc
2.	Ethanol	Column 2:	9.81789	0.0797	g/100cc
3.	n-Propanol	Column 1:	62.62190	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.10633	1.0000	g/100cc

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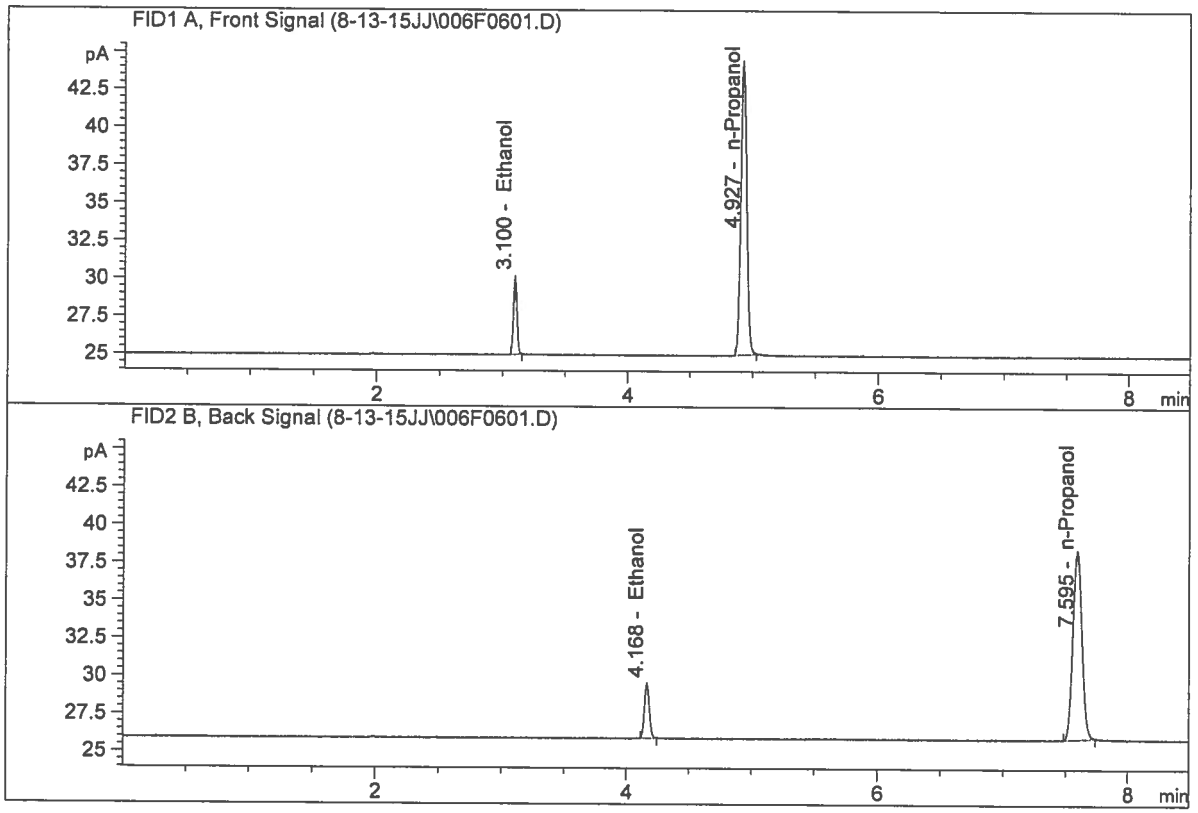
ISP Forensic Services Blood Alcohol Report

Sample Name : 0.08 FN011712-02-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	10.05873	0.0803	g/100cc
2.	Ethanol	Column 2:	9.97364	0.0797	g/100cc
3.	n-Propanol	Column 1:	63.58406	1.0000	g/100cc
4.	n-Propanol	Column 2:	63.12730	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-2 **Analysis Date(s): 13 Aug 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.2008	0.2006	0.0002	0.2007	0.2015
(g/100cc)	0.2027	0.2022	0.0005	0.2024	

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
0.201	**0.190**	**0.212**	**0.011**

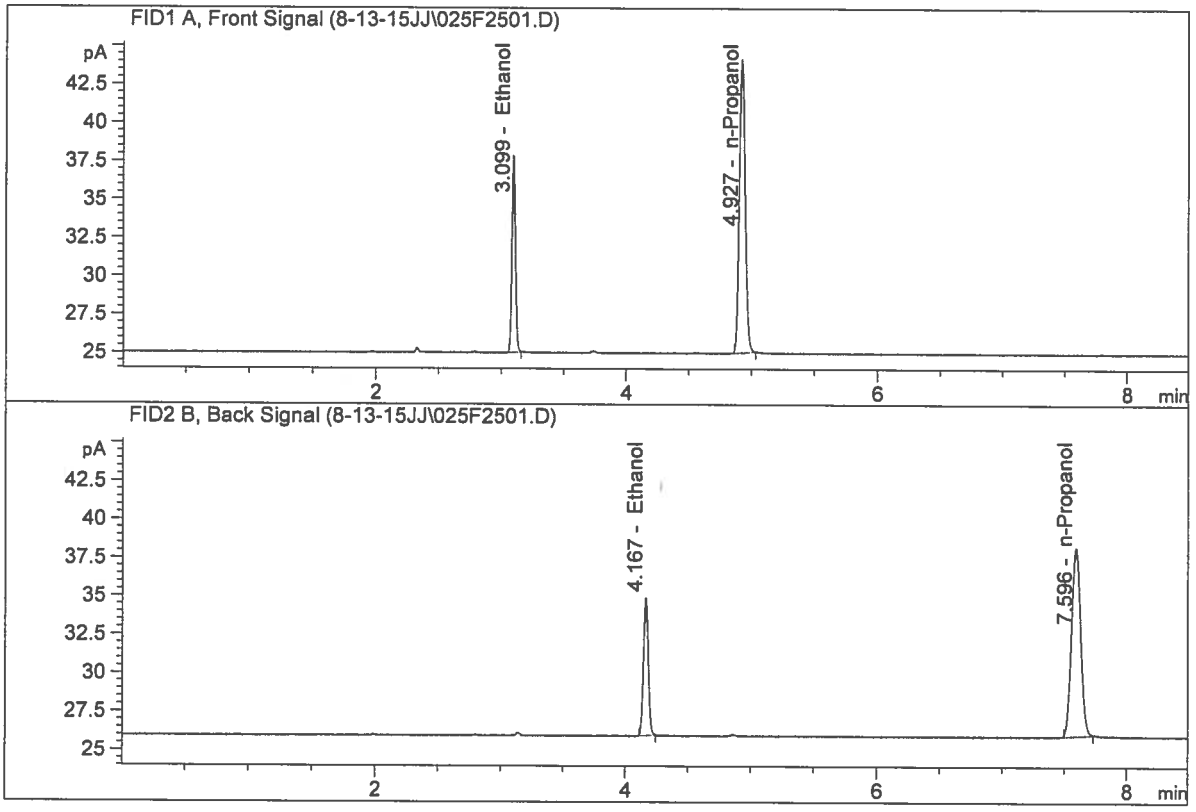
Reported Result
0.201

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 : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	24.79918	0.2008	g/100cc
2.	Ethanol	Column 2:	24.62687	0.2006	g/100cc
3.	n-Propanol	Column 1:	62.65671	1.0000	g/100cc
4.	n-Propanol	Column 2:	61.89561	1.0000	g/100cc

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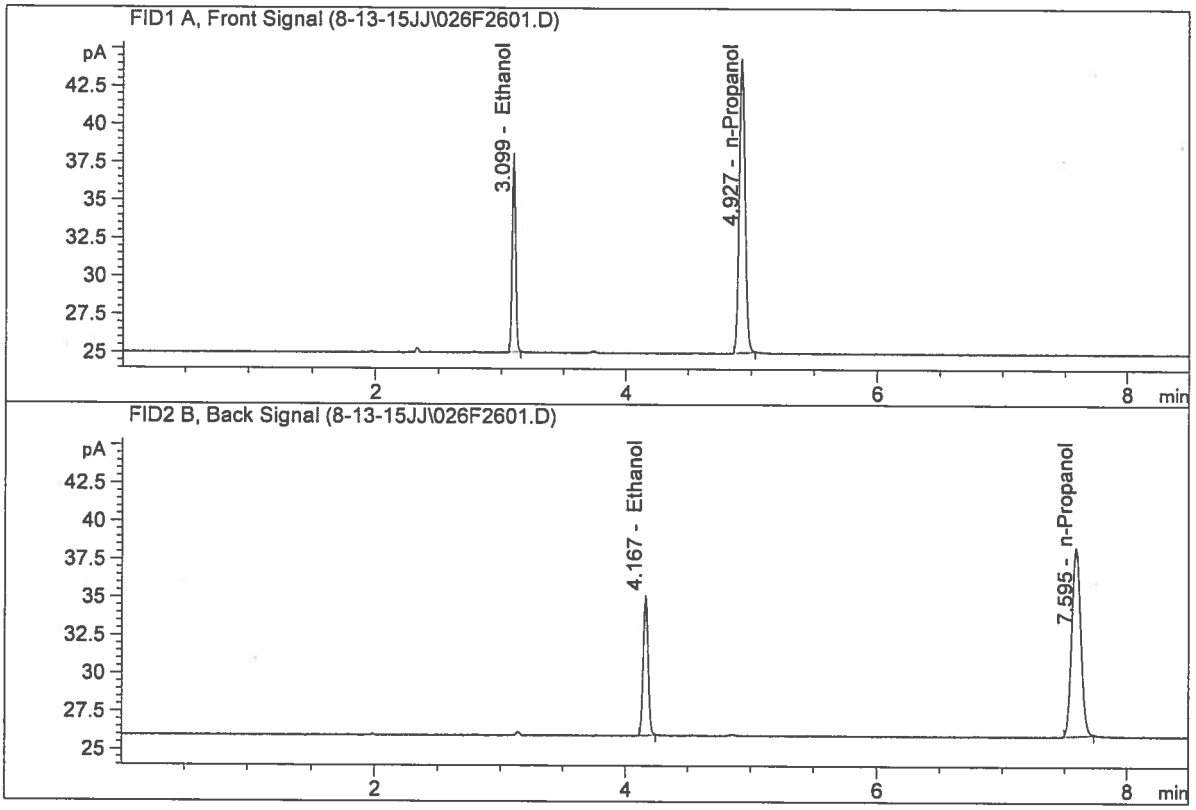
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-2-B
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	25.20753	0.2027	g/100cc
2.	Ethanol	Column 2:	25.02457	0.2022	g/100cc
3.	n-Propanol	Column 1:	63.11712	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.40370	1.0000	g/100cc

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VOLATILES DETERMINATION CASEFILE WORKSHEET

Laboratory No.: QC-1 **Analysis Date(s): 13 Aug 2015**

	Column 1 FID A	Column 2 FID B	Column Precision	Mean Value	Over-all Mean
Sample Results	0.0818	0.0810	0.0008	0.0814	0.0797
(g/100cc)	0.0782	0.0781	0.0001	0.0781	

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
0.079	0.075	0.083	0.004

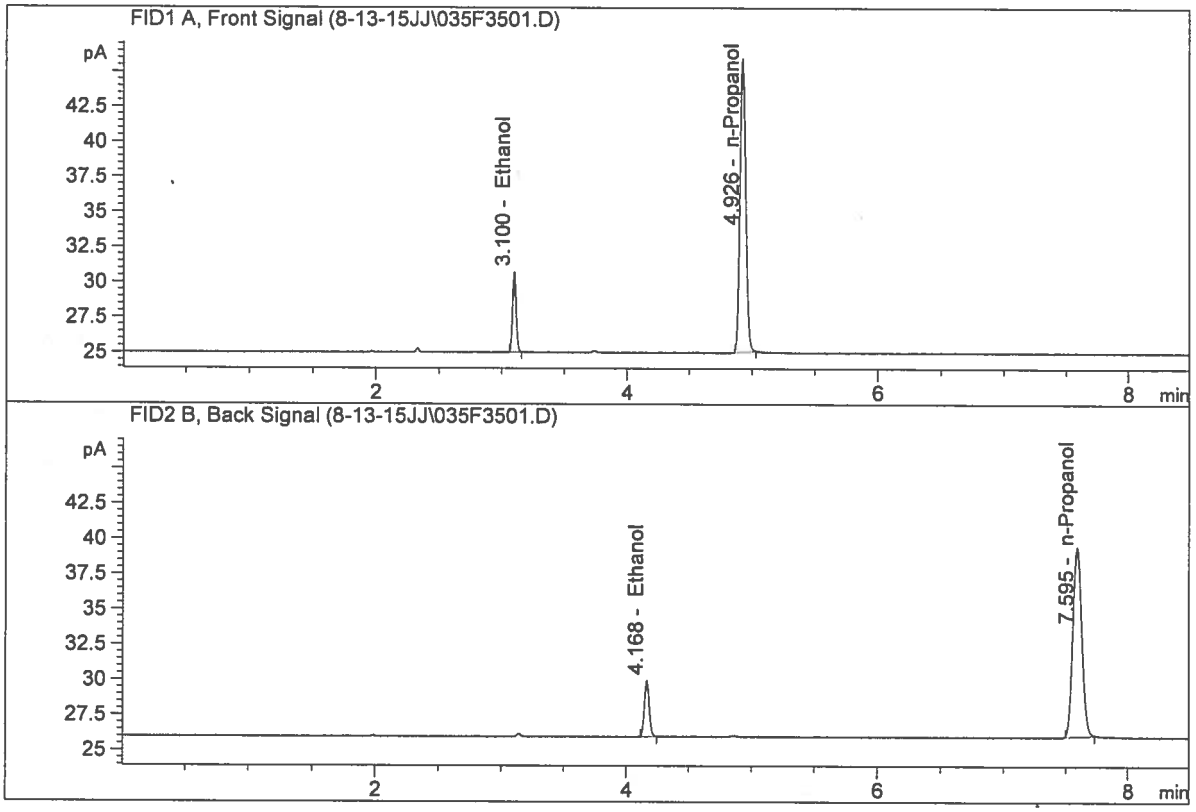
Reported Result
0.079

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 : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	11.03339	0.0818	g/100cc
2.	Ethanol	Column 2:	10.89437	0.0810	g/100cc
3.	n-Propanol	Column 1:	68.44586	1.0000	g/100cc
4.	n-Propanol	Column 2:	67.77531	1.0000	g/100cc

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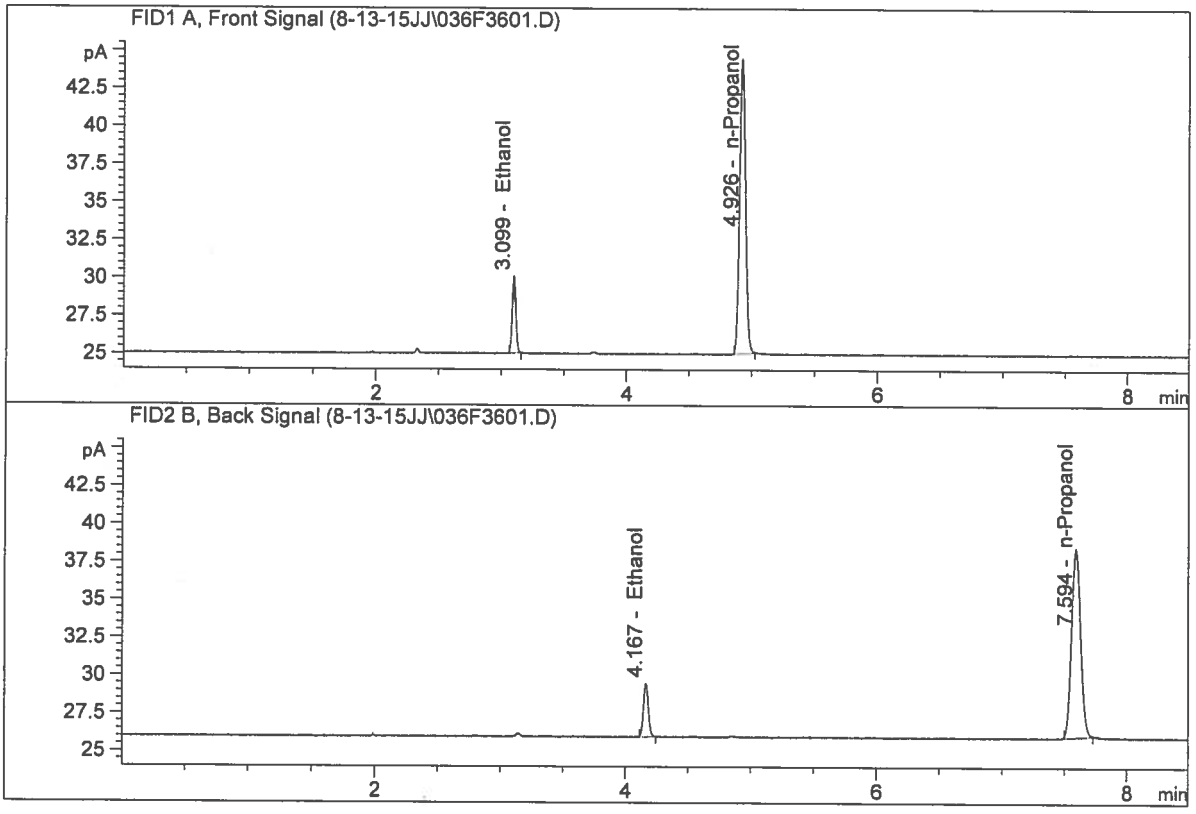
ISP Forensic Services Blood Alcohol Report

Sample Name : QC-1-B
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 2015
Method : ALCOHOL.M
Acq. Instrument: CN10742044-IT00725005



#	Compound	Column	Area	Amount	Units
1.	Ethanol	Column 1:	9.77968	0.0782	g/100cc
2.	Ethanol	Column 2:	9.70754	0.0781	g/100cc
3.	n-Propanol	Column 1:	63.46515	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.65316	1.0000	g/100cc

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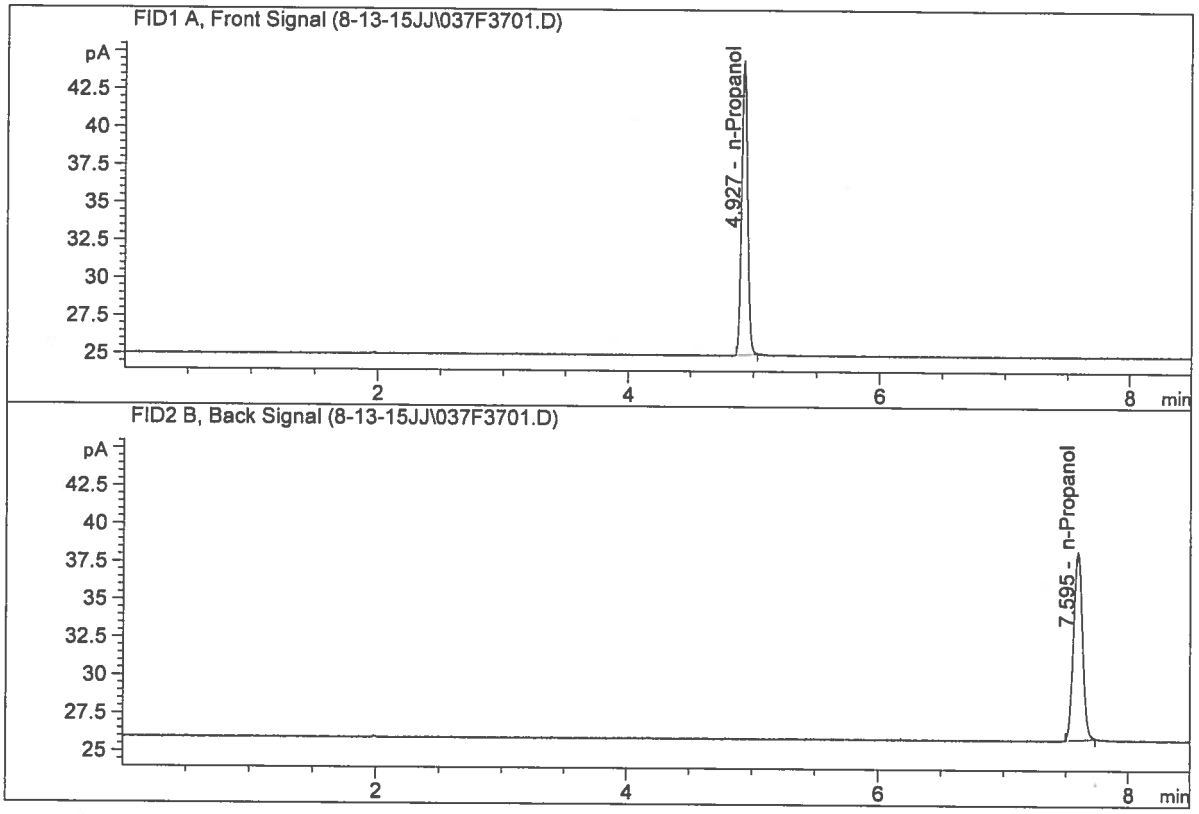
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 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:	63.45819	1.0000	g/100cc
4.	n-Propanol	Column 2:	62.86921	1.0000	g/100cc

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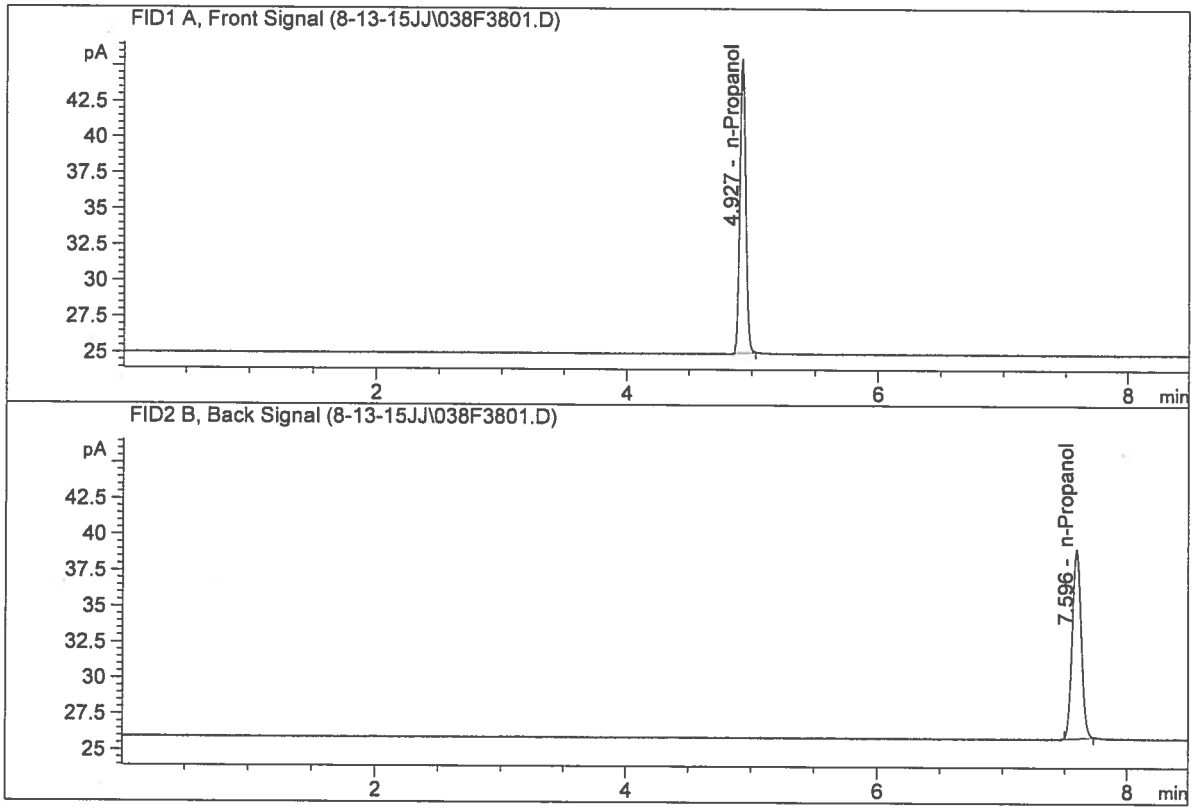
ISP Forensic Services Blood Alcohol Report

Sample Name : ISTD BLANK
Laboratory : Coeur d' Alene
Injection Date : Aug 13, 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:	66.94851	1.0000	g/100cc
4.	n-Propanol	Column 2:	66.36251	1.0000	g/100cc