



3696 S. Slack
-
York

Groot Brittannië

INPUTS 2013.1

Survey	INPUTS 2013.1		
Start date	January, 1 2013		
Supervisor	dr. C. Weykamp MCA Laboratory Streekziekenhuis Koningin Beatrix Winterswijk		
Subscriptions	93		
Result sets	91		

Scores	Your score	MAP	reported
Quantitative	38	38	



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-
York

July, 29 2014 11:39

Groot Brittannië

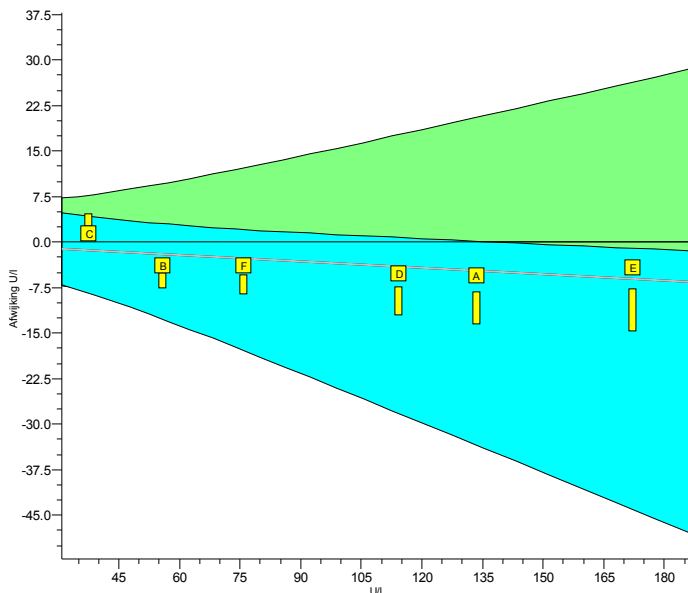
INPUTS 2013.1



Analyte		Trueness				Precision		Performance			
		your mean	ref.	cons.	SDI	your prec.	SDbl	this survey	PS	cumulative PSc	
ALAT	U/l	94.7	98.2	86.9	10.1	5.1	2.7		2		2
Alk. Phosphatase	U/l	202	188	173	15	1	2		2		2
Amylase	U/l	209	207	201	8	1	2		2		2
ASAT	U/l	76.7	78.6	71.5	6.8	1.8	1.6		2		2
Calcium	mmol/l	2.48	2.46	2.47	0.07	0.01	0.02		2		2
Chloride	mmol/l	102.0	100.0	100.8	1.8	0.4	0.9		2		2
CK	U/l	274	244	253	18	4	3		2		2
Creatinine	µmol/l	149.8	149.1	150.7	5.6	1.6	2.1		2		2
eGFR (F, 55, white)	ml/min/1,73m ²	37.7	37.6	37.4	2.6	2.0	0.6		2		2
Gamma-GT	U/l	90.3	87.7	86.3	8.6	1.2	1.2		2		2
Glucose	mmol/l	14.57	13.93	14.19	0.44	0.09	0.18		2		2
LD	U/l	506	532	523	33	7	9		2		2
Magnesium	mmol/l	1.24	1.22	1.23	0.04	0.01	0.02		2		2
Potassium	mmol/l	5.30	5.39	5.30	0.10	0.04	0.04		2		2
Sodium	mmol/l	142.5	144.0	142.7	1.7	0.5	0.9		2		2
Total Protein	g/l	66.8	66.8	66.0	1.8	0.8	0.7		2		2
Urate	µmol/l	380	376	374	15	2	4		2		2
Cholesterol	mmol/l	5.22	5.07	5.15	0.14	0.03	0.05		2		2
HDL-Cholesterol	mmol/l	1.13	1.14	1.13	0.03	0.03	0.02		2		2
Total :								38	38		

INPUTS 2013.1

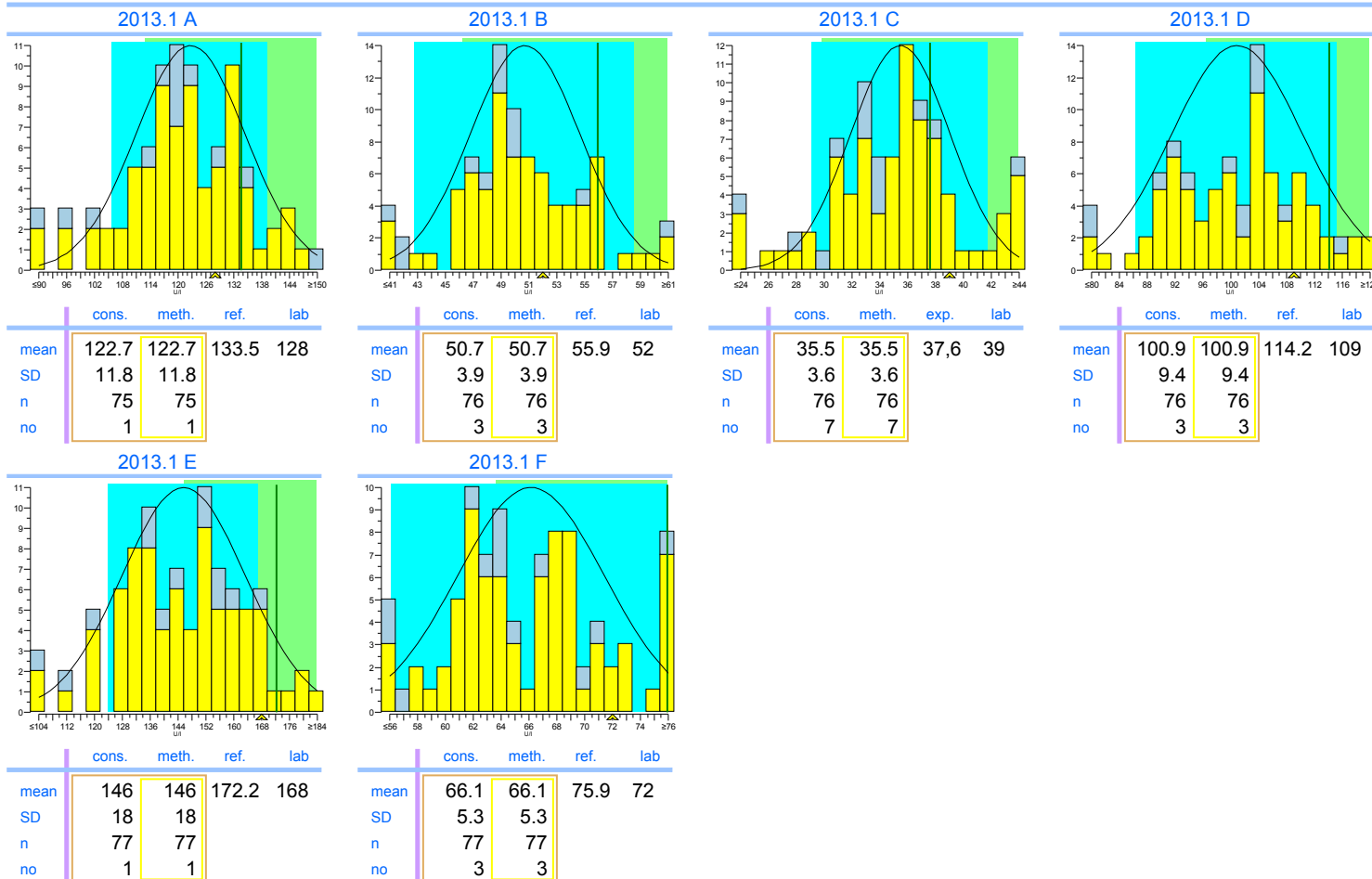
ALAT

units: U/I



	2013.1	cumulative
Trueness	-3.6%	-3.6%
Precision	5.8%	5.8%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.7	5.7
Score pictogram		
Regression line	$0.0 + 0.965 \cdot x$	$0.0 + 0.965 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



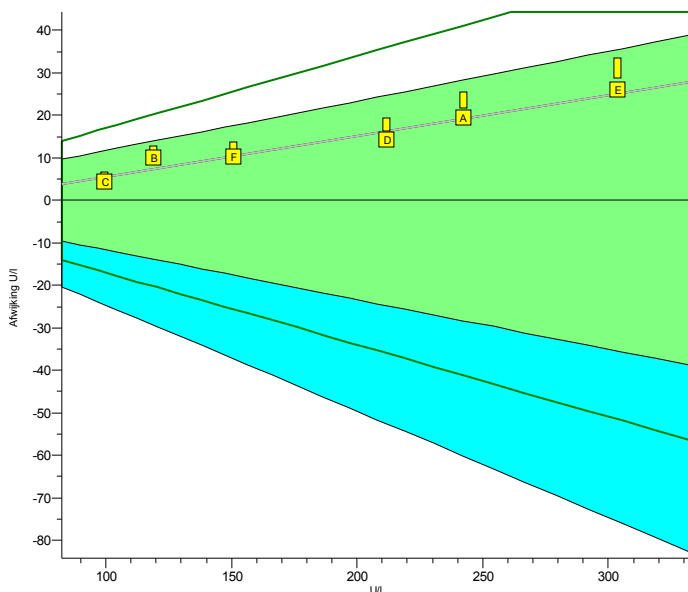
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

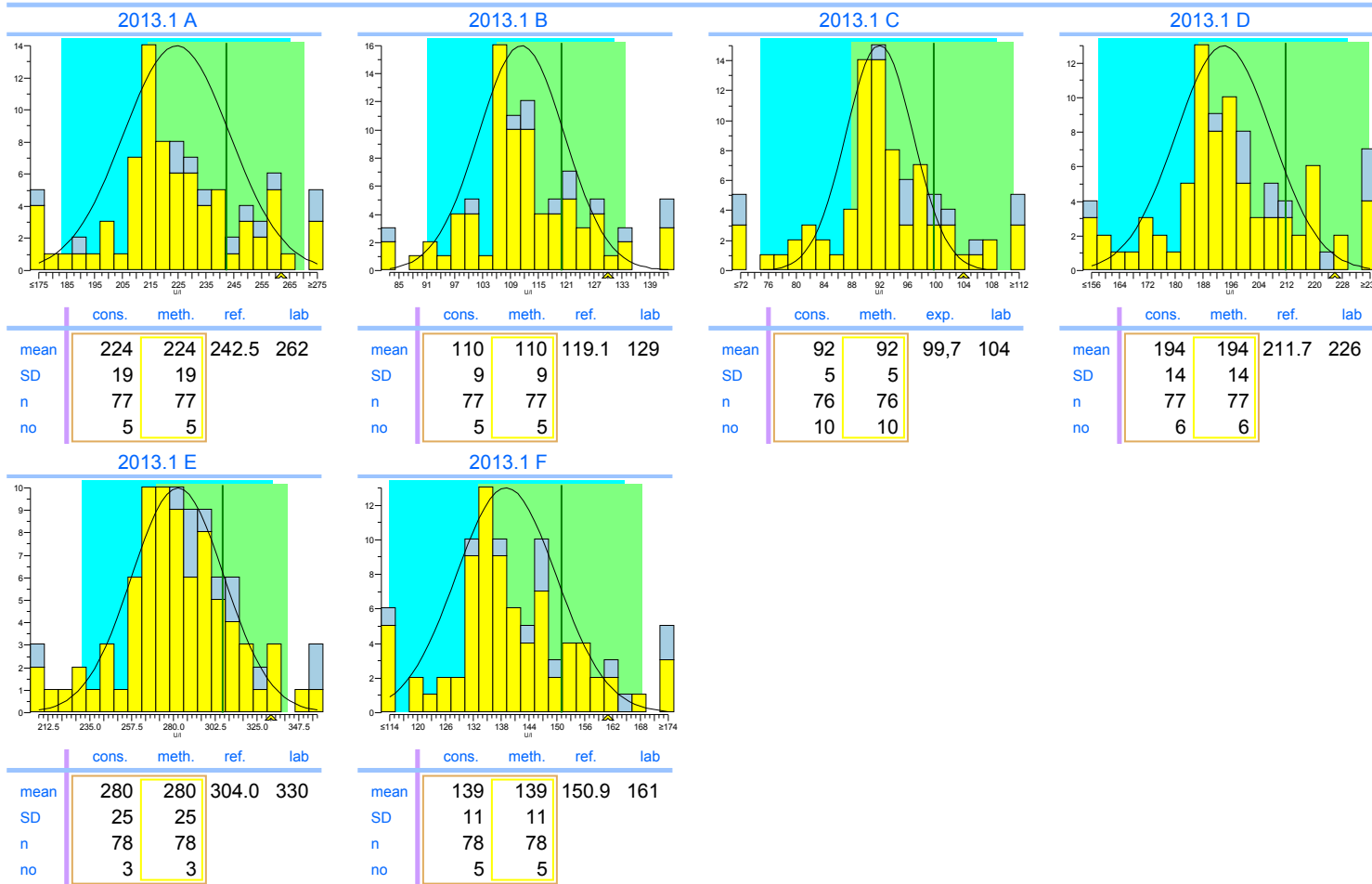
Alk. Phosphatase

units: U/l



	2013.1	cumulative
Trueness	+7.5%	+7.5%
Precision	0.72%	0.72%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$-4 + 1.096.x$	$-4 + 1.096.x$

Consensus group	IFCC traceerbaar
Method	IFCC traceable



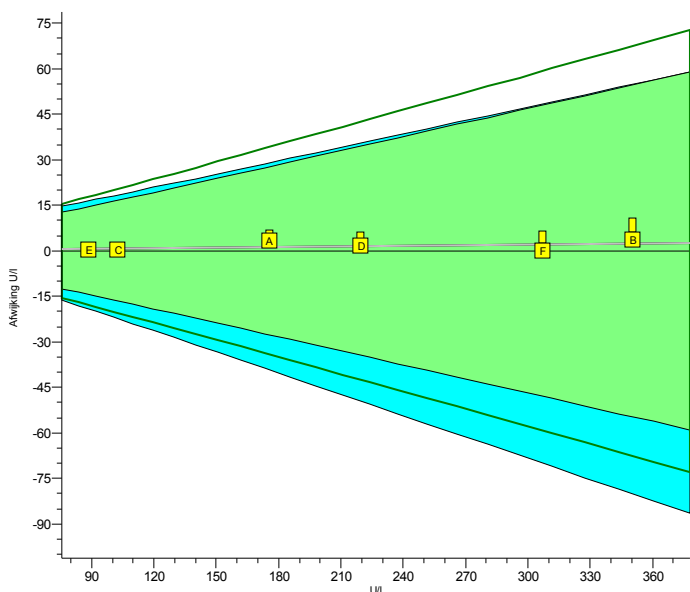
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

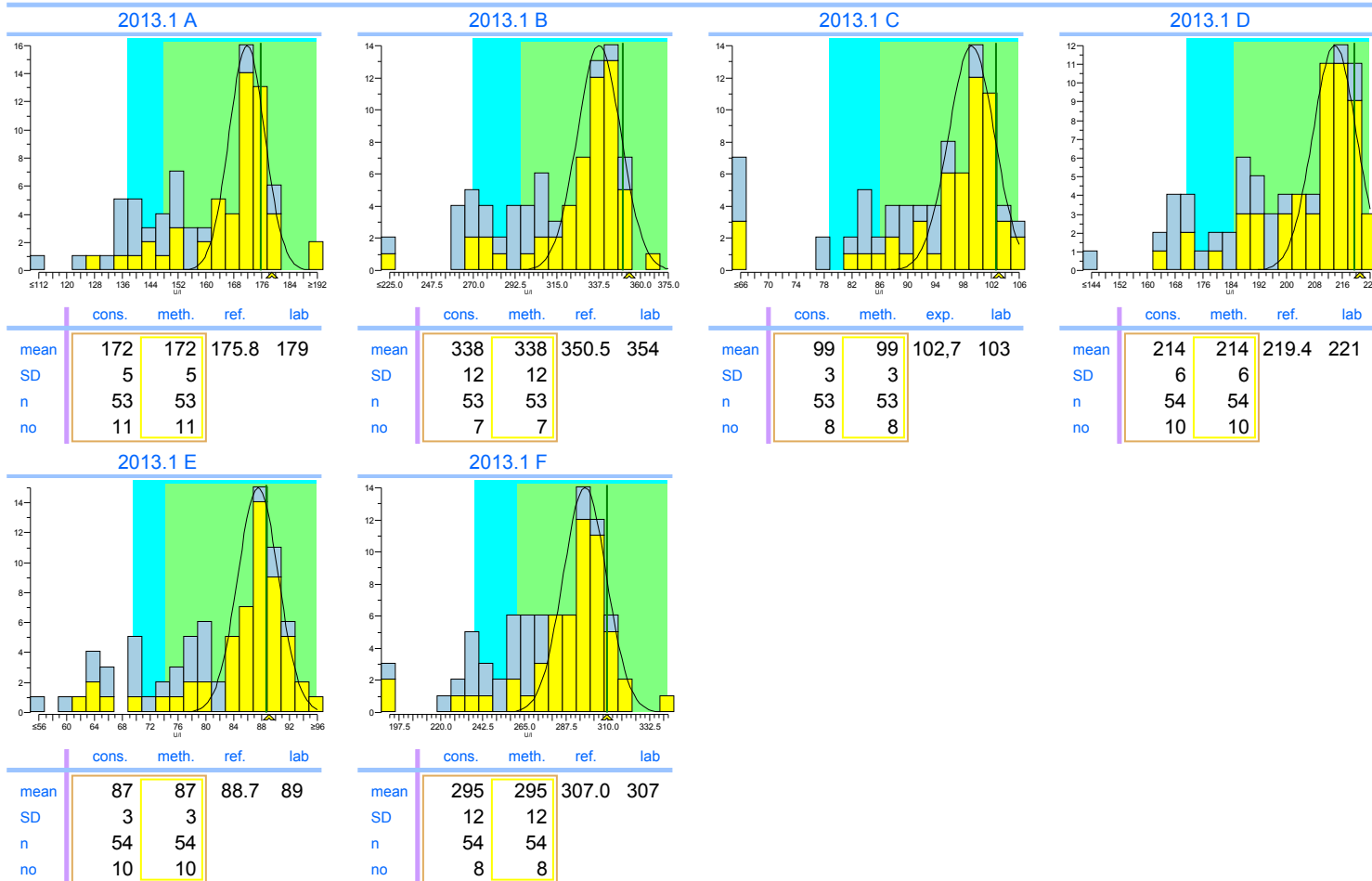
Amylase

units: U/l



	2013.1	cumulative
Trueness	+0.72%	+0.72%
Precision	0.59%	0.59%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0 + 1.007 \cdot x$	$0 + 1.007 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



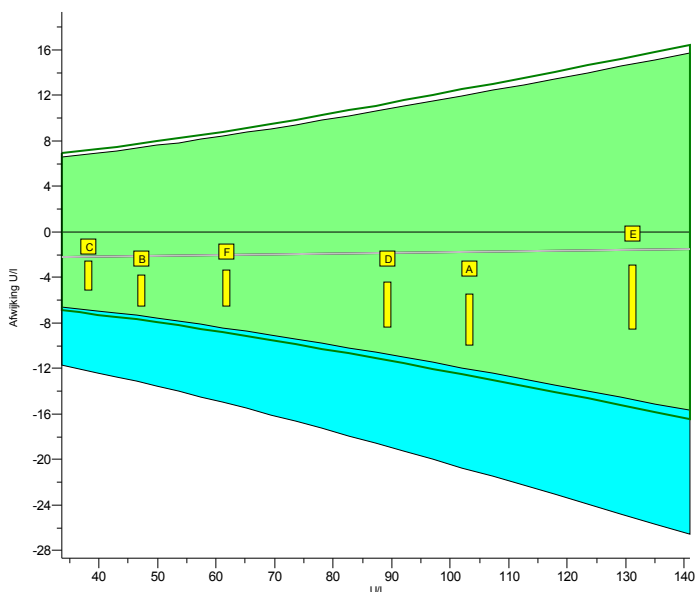
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

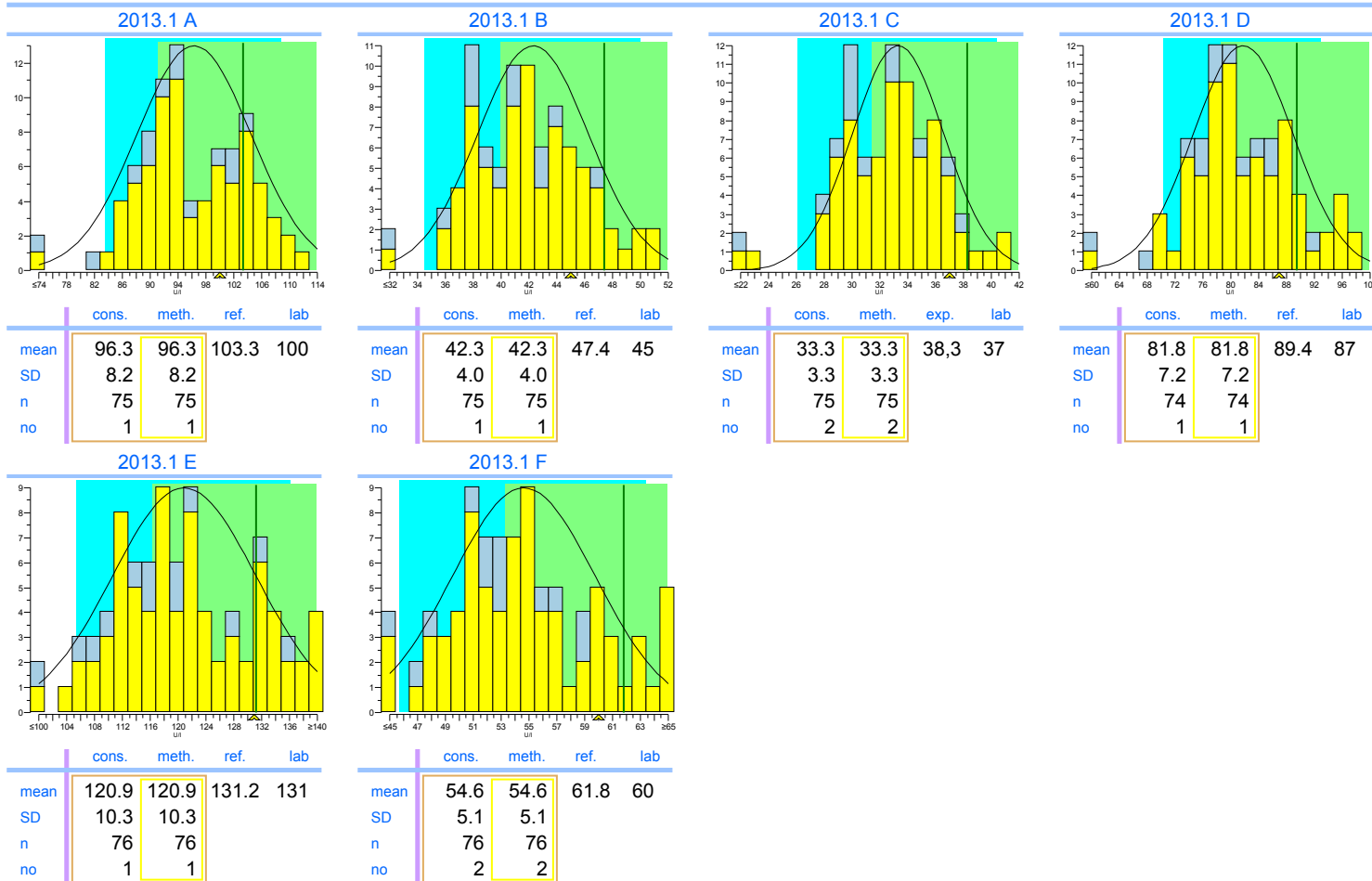
ASAT

units: U/I



	2013.1	cumulative
Trueness	-2.4%	-2.4%
Precision	2.5%	2.5%
Number	6	6
Outliers	0	0
Sigma-TE	5.9	5.9
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$-2.4 + 1.006 \cdot x$	$-2.4 + 1.006 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



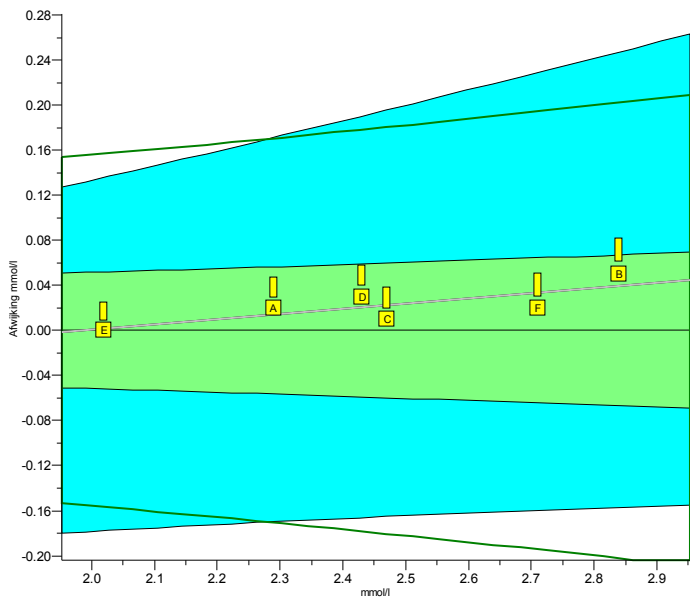
Legend

IFCC traceable IFCC non-traceable

INPUTs 2013.1

Calcium

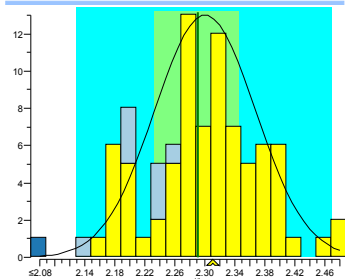
units: mmol/l



	2013.1	cumulative
Trueness	+0.88%	+0.88%
Precision	0.31%	0.31%
Number	6	6
Outliers	0	0
Sigma-TE	5.9	5.9
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$-0.09 + 1.046.x$	$-0.09 + 1.046.x$

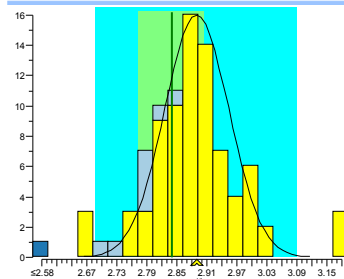
Consensus group	Colorimetrisch
Method	Colorimetric, automatic, discrete

2013.1 A



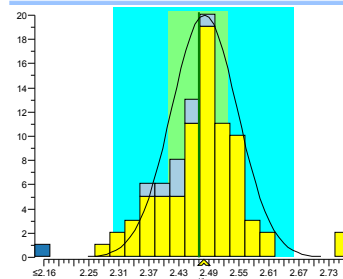
	cons.	meth.	ref.	lab
mean	2.30	2.30	2.29	2.31
SD	0.07	0.07		
n	80	80		
no	2	2		

2013.1 B



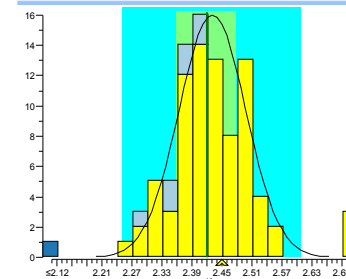
	cons.	meth.	ref.	lab
mean	2.89	2.89	2.84	2.89
SD	0.06	0.06		
n	80	80		
no	6	6		

2013.1 C



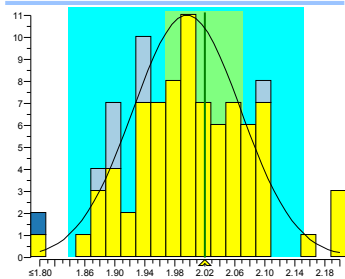
	cons.	meth.	exp.	lab
mean	2.48	2.48	2.47	2.48
SD	0.07	0.07		
n	79	79		
no	2	2		

2013.1 D



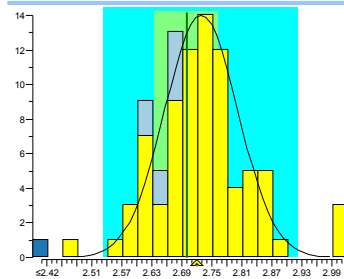
	cons.	meth.	ref.	lab
mean	2.44	2.44	2.43	2.46
SD	0.07	0.07		
n	80	80		
no	3	3		

2013.1 E



	cons.	meth.	ref.	lab
mean	2.00	2.00	2.02	2.02
SD	0.07	0.07		
n	81	81		
no	3	3		

2013.1 F



	cons.	meth.	ref.	lab
mean	2.74	2.74	2.71	2.73
SD	0.07	0.07		
n	80	80		
no	4	4		

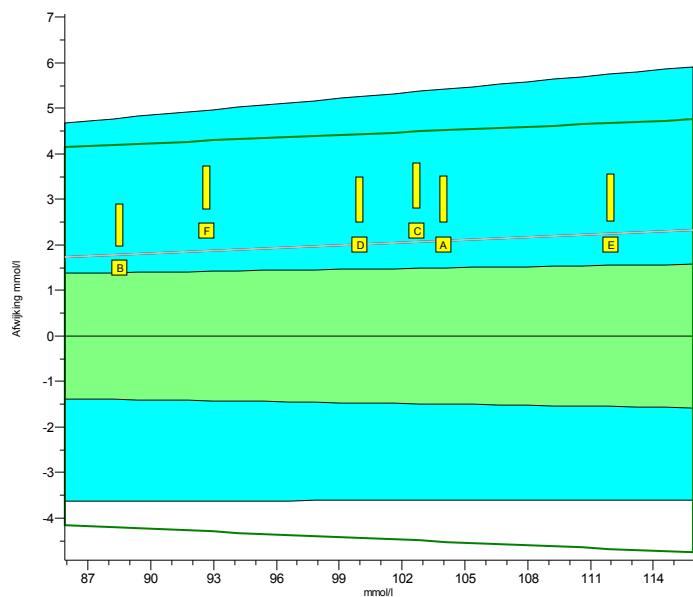
Legend



- Colorimetric, automatic, discrete
- ISE indirect (with predilution)
- Other methods

INPUTS 2013.1

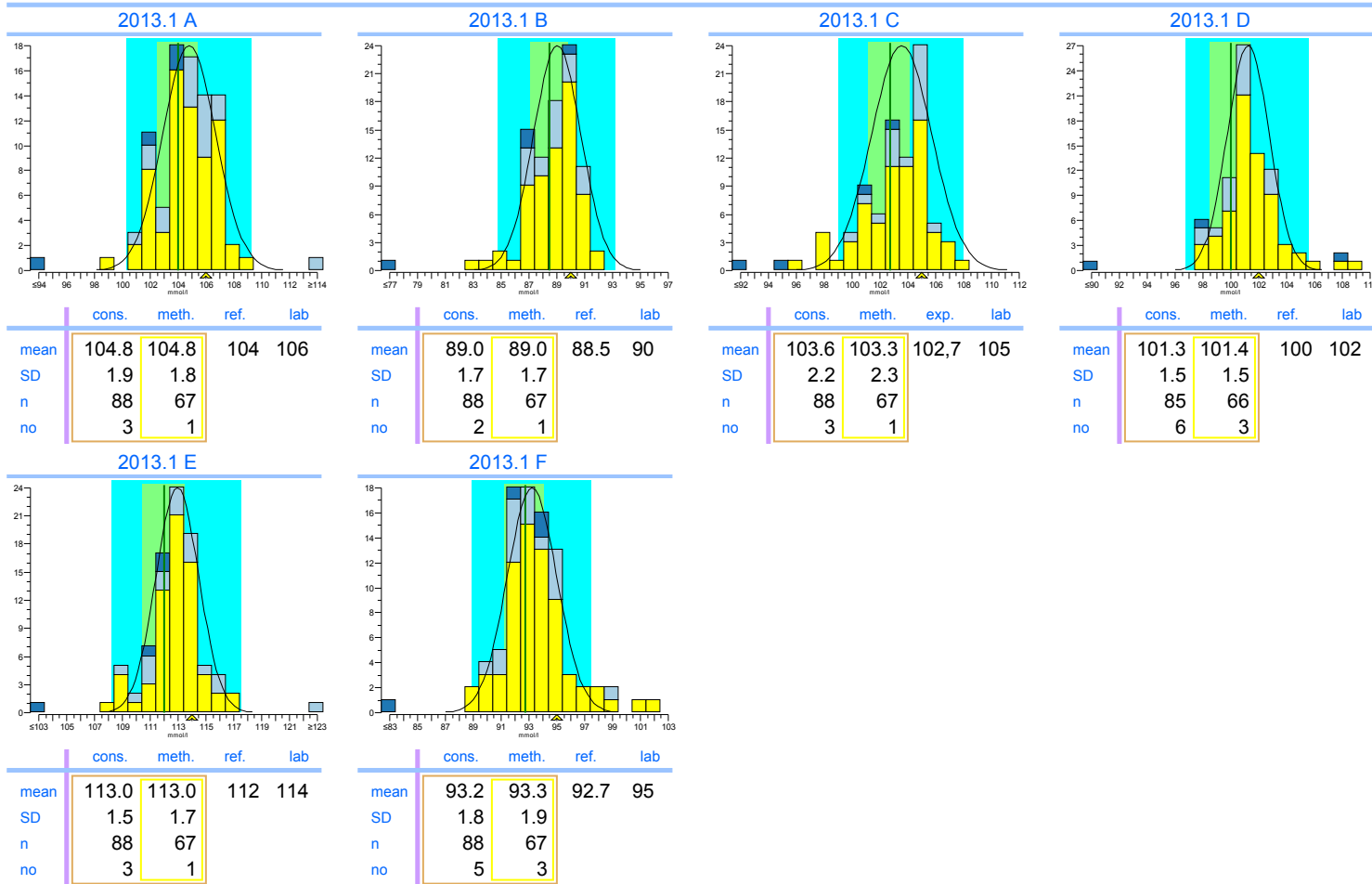
Chloride

units: mmol/l



	2013.1	cumulative
Trueness	+2.0%	+2.0%
Precision	0.40%	0.40%
Number	6	6
Outliers	0	0
Sigma-TE	-0.6	-0.6
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 1.020 \cdot x$	$0.0 + 1.020 \cdot x$

Consensus group ISE/Colorimetrie
Method ISE indirect (with predilution)



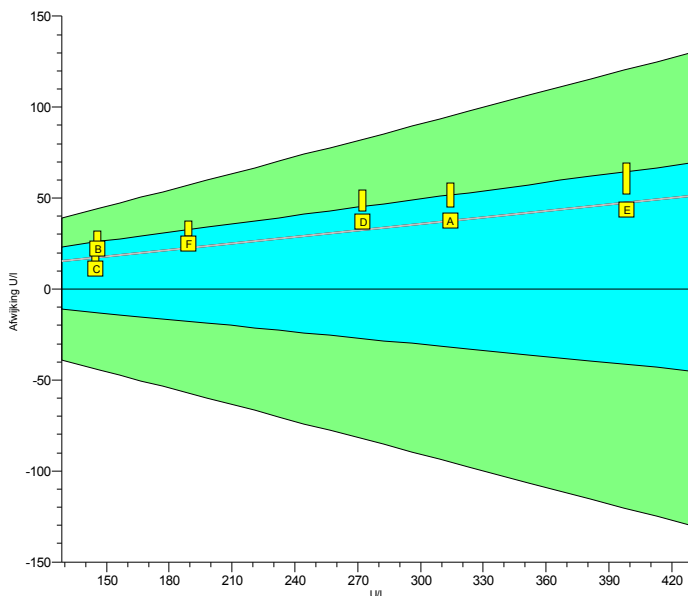
Legend





INPUTs 2013.1

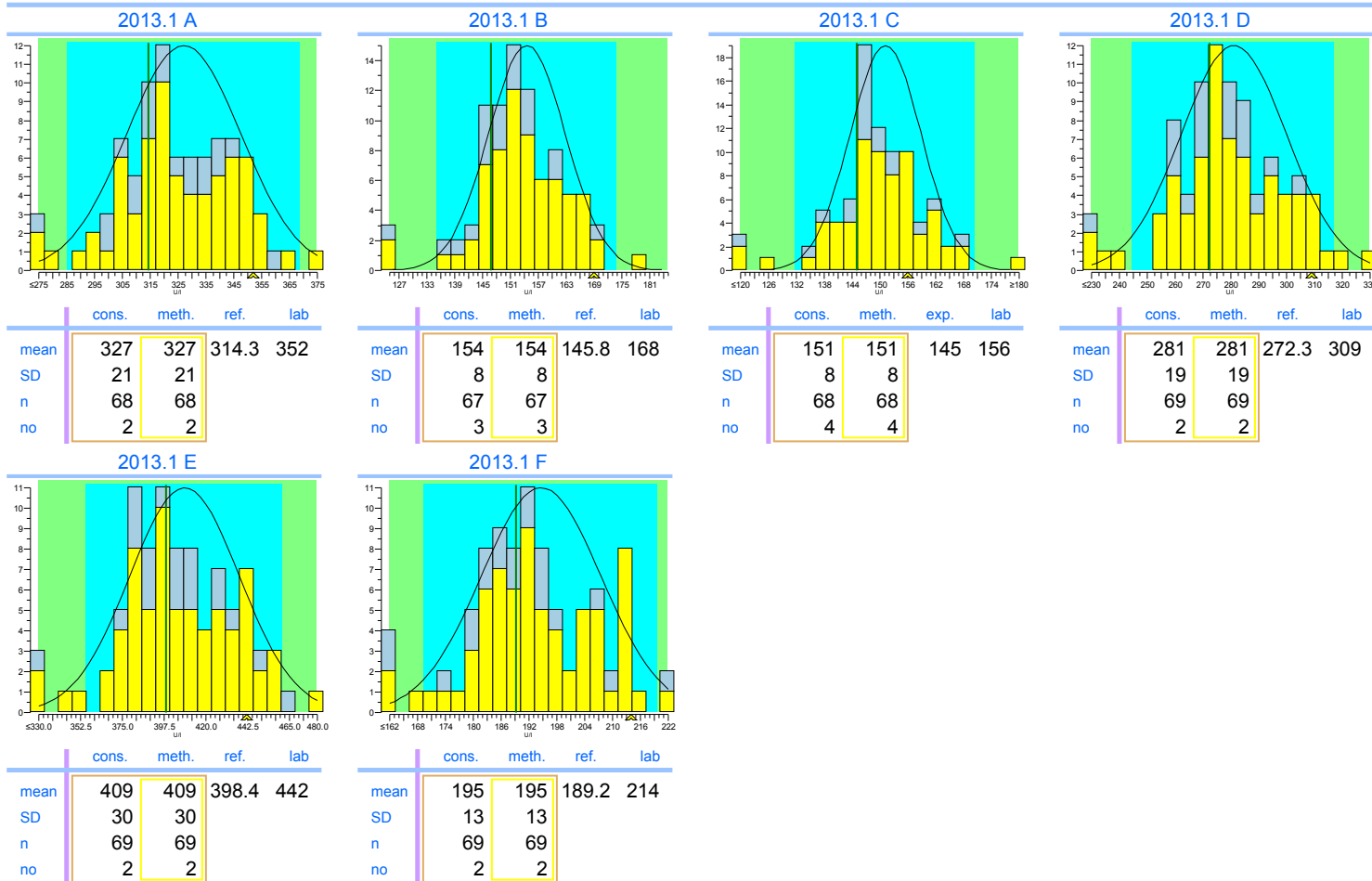
CK

units: U/I



	2013.1	cumulative
Trueness	+12%	+12%
Precision	1.8%	1.8%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	1.6	1.6
Score pictogram		
Regression line	$0 + 1.119 \cdot x$	$0 + 1.119 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



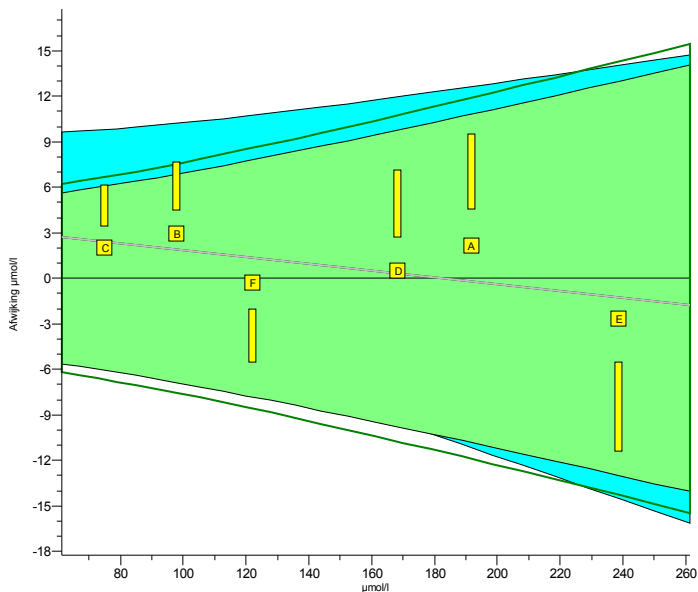
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

Creatinine

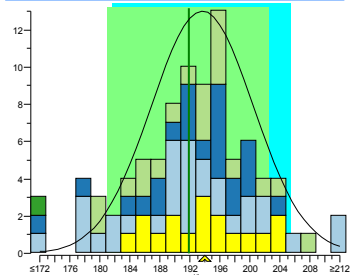
units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	+0.50%	+0.50%
Precision	1.1%	1.1%
Number	6	6
Outliers	0	0
Sigma-TE	5.1	5.1
Sigma-SA	5.7 2	5.7 2
Score pictogram		
Regression line	$4.1 + 0.977 \cdot x$	$4.1 + 0.977 \cdot x$

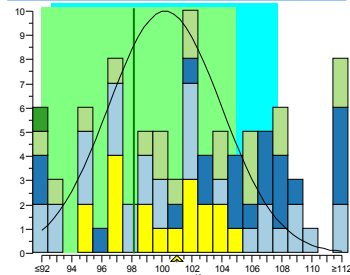
Consensus group Enzymatische kreatinine
Method Enzymatic, automatic

2013.1 A



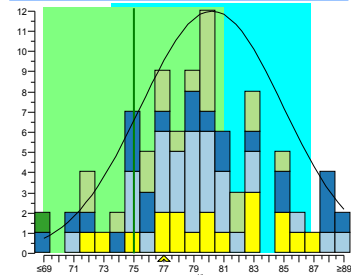
	cons.	meth.	ref.	lab
mean	193.7	193.7	191.9	194
SD	6.8	6.8		
n	17	17		
no	0	0		

2013.1 B



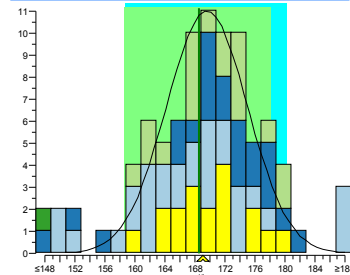
	cons.	meth.	ref.	lab
mean	100.2	100.2	98.11	101
SD	3.8	3.8		
n	18	18		
no	0	0		

2013.1 C



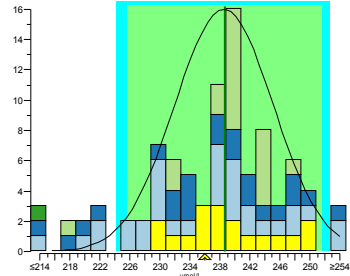
	cons.	meth.	exp.	lab
mean	80.2	80.2	75	77
SD	4.7	4.7		
n	18	18		
no	0	0		

2013.1 D



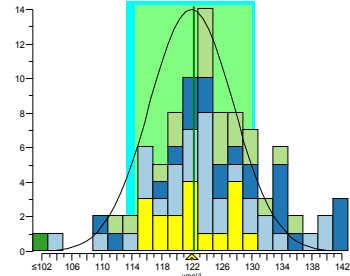
	cons.	meth.	ref.	lab
mean	169.6	169.6	168.5	169
SD	5.4	5.4		
n	18	18		
no	0	0		

2013.1 E



	cons.	meth.	ref.	lab
mean	238.5	238.5	238.7	236
SD	6.6	6.6		
n	18	18		
no	0	0		

2013.1 F



	cons.	meth.	ref.	lab
mean	121.9	121.9	122.3	122
SD	5.6	5.6		
n	18	18		
no	0	0		

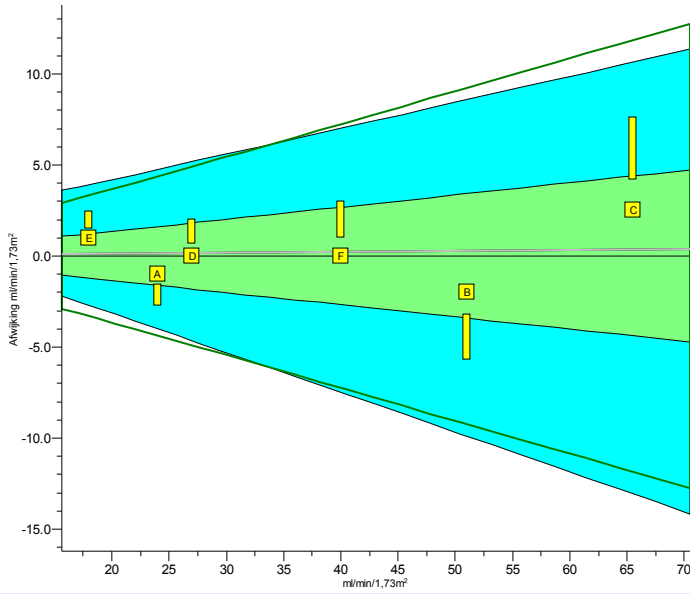
Legend


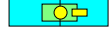
- Enzymatic, automatic
- Alk. Picrate, kinetic with compensation
- Alk. Picrate, kinetic
- Alk. Picrate, endpoint
- Other methods

INPUTs 2013.1

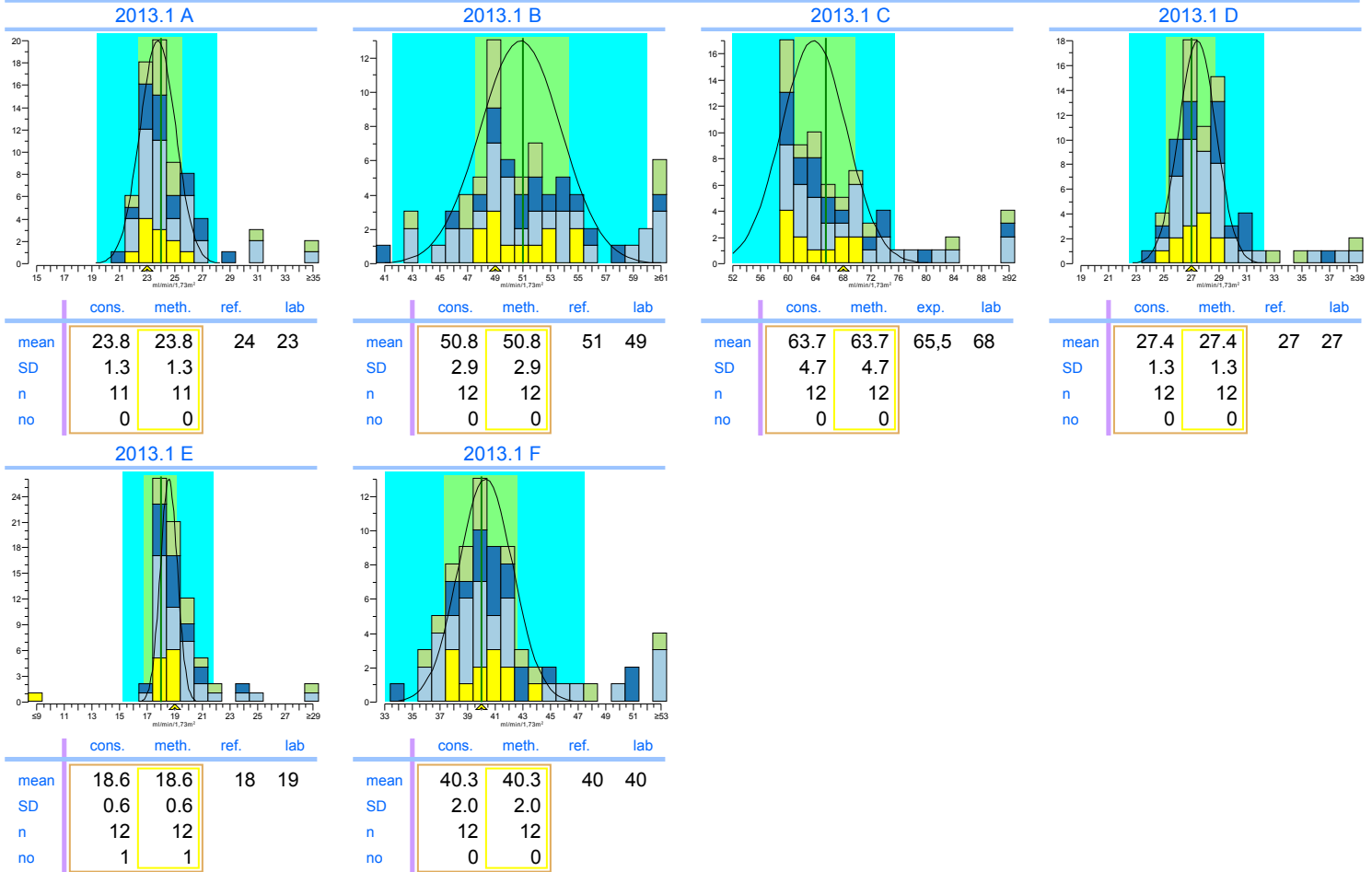
eGFR (F, 55, white)

units: ml/min/1,73m²



	2013.1	cumulative
Trueness	+0.22%	+0.22%
Precision	5.4%	5.4%
Number	6	6
Outliers	0	0
Sigma-TE	2.7	2.7
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0.0 + 1.006 \cdot x$	$0.0 + 1.006 \cdot x$

Consensus group: Enzymatische kreatinine
Method: Enzymatic, automatic



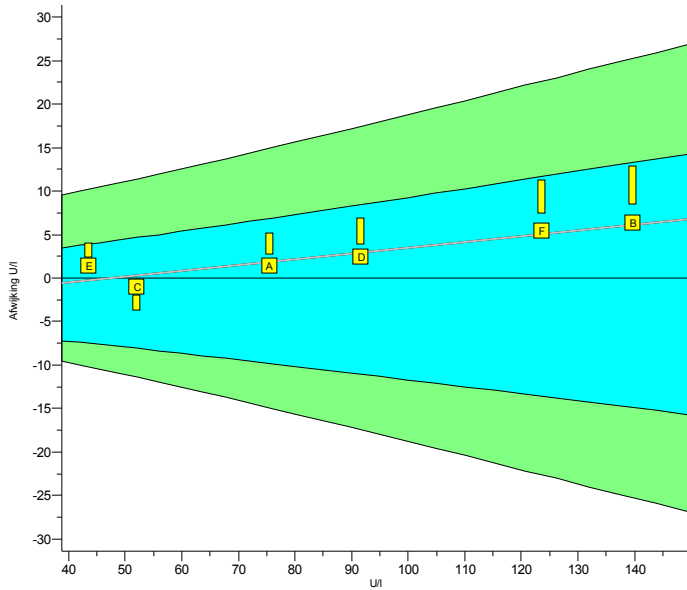
Legend



- Enzymatic, automatic
- Other methods
- Alk. Picrate, kinetic with compensation
- Alk. Picrate, kinetic

INPUTS 2013.1

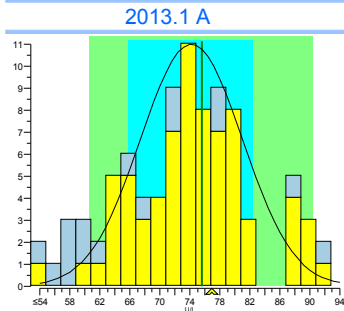
Gamma-GT

units: U/I

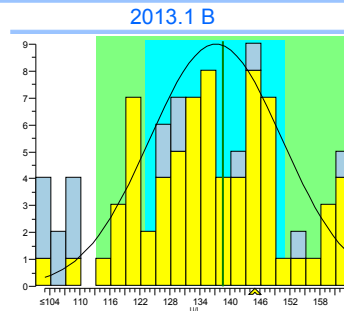


	2013.1	cumulative
Trueness	+3.0%	+3.0%
Precision	1.3%	1.3%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$-3.2 + 1.066 \cdot x$	$-3.2 + 1.066 \cdot x$

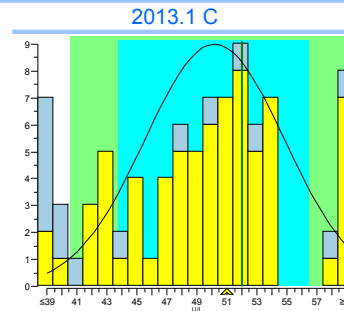
Consensus group IFCC traceerbaar
Method IFCC traceable



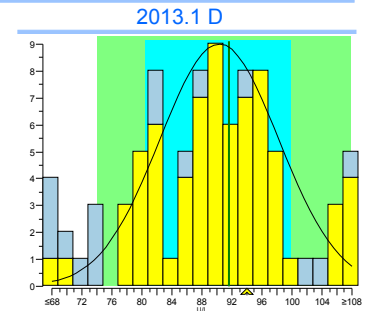
	cons.	meth.	ref.	lab
mean	74.2	74.2	75.6	77
SD	6.8	6.8		
n	72	72		
no	1	1		



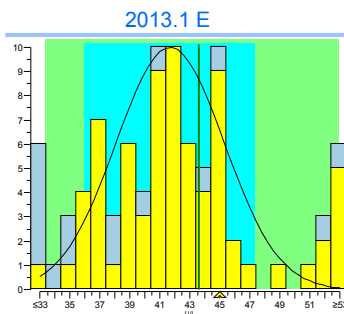
	cons.	meth.	ref.	lab
mean	138.2	138.2	139.7	146
SD	13.3	13.3		
n	72	72		
no	1	1		



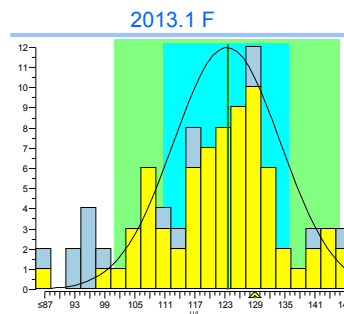
	cons.	meth.	exp.	lab
mean	50.2	50.2	52	51
SD	4.6	4.6		
n	72	72		
no	2	2		



	cons.	meth.	ref.	lab
mean	90.3	90.3	91.6	94
SD	7.9	7.9		
n	71	71		
no	1	1		



	cons.	meth.	ref.	lab
mean	41.7	41.7	43.6	45
SD	3.6	3.6		
n	73	73		
no	6	6		



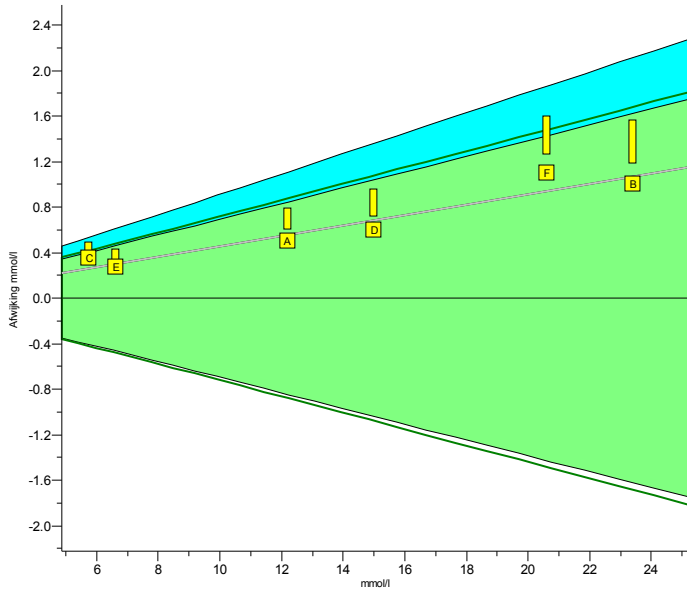
	cons.	meth.	ref.	lab
mean	123.4	123.4	123.6	129
SD	10.7	10.7		
n	73	73		
no	1	1		



Legend
 IFCC traceable
 IFCC non-traceable

INPUTS 2013.1

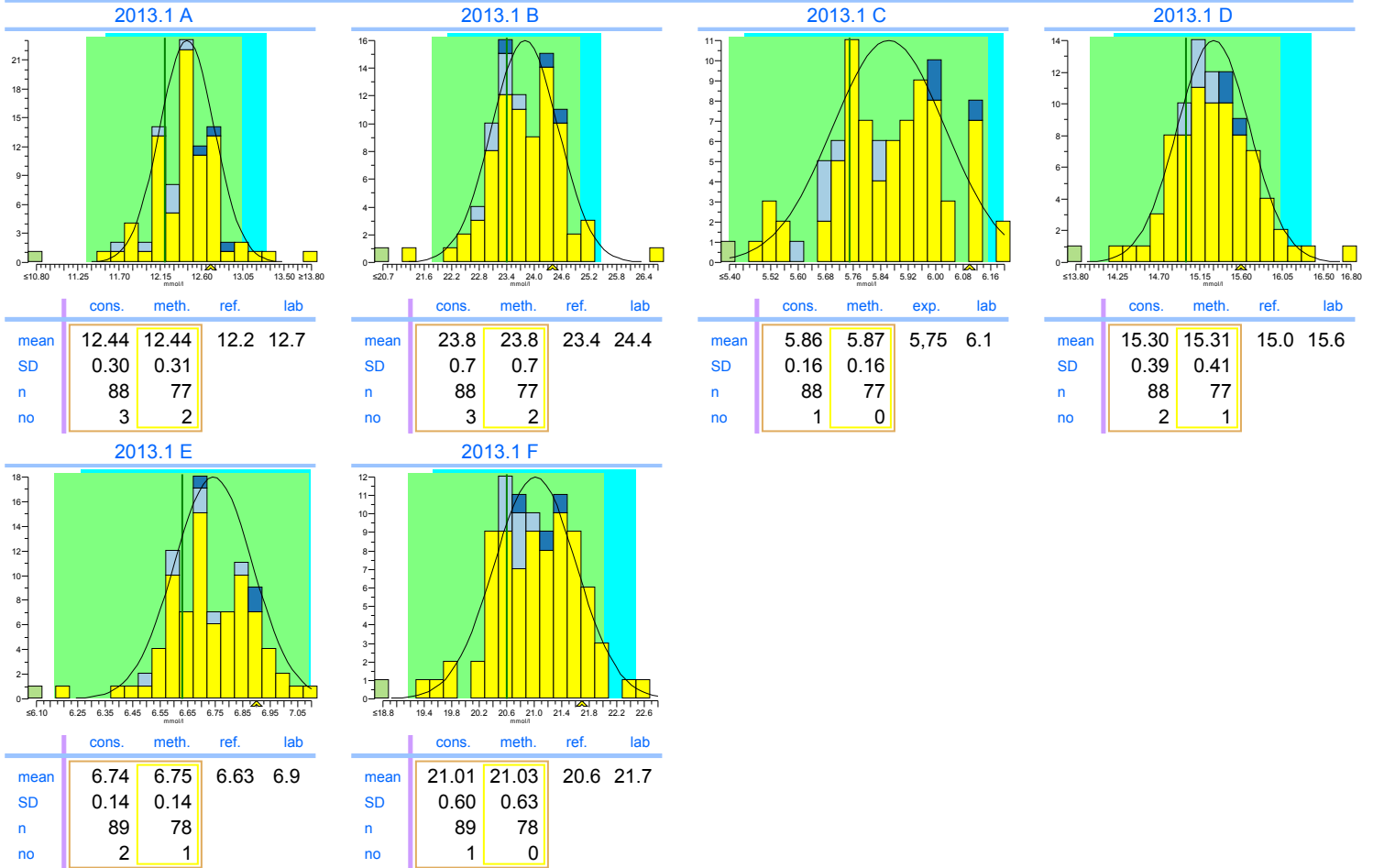
Glucose

units: mmol/l



	2013.1	cumulative
Trueness	+4.6%	+4.6%
Precision	0.64%	0.64%
Number	6	6
Outliers	0	0
Sigma-TE	4.5	4.5
Sigma-SA	4.9 2	4.9 2
Score pictogram		
Regression line	<u>0.00 + 1.046.x</u>	<u>0.00 + 1.046.x</u>

Consensus group Natte chemie
Method Hexokinase, automatic



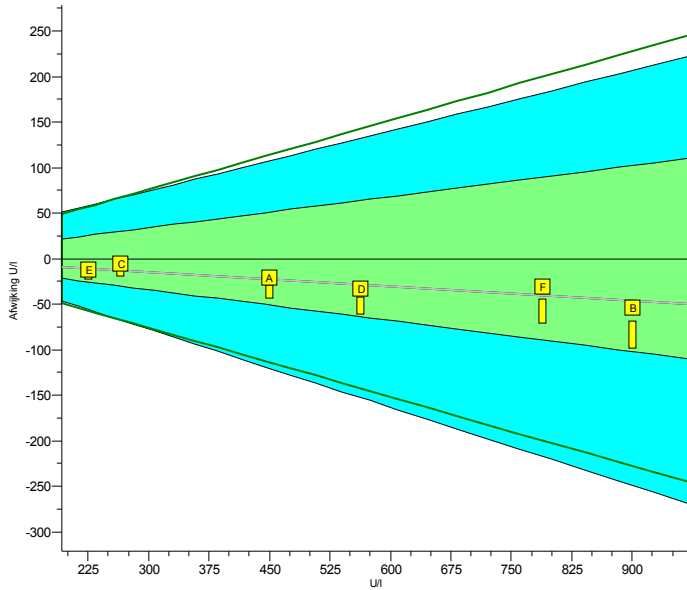
Legend



INPUTS 2013.1

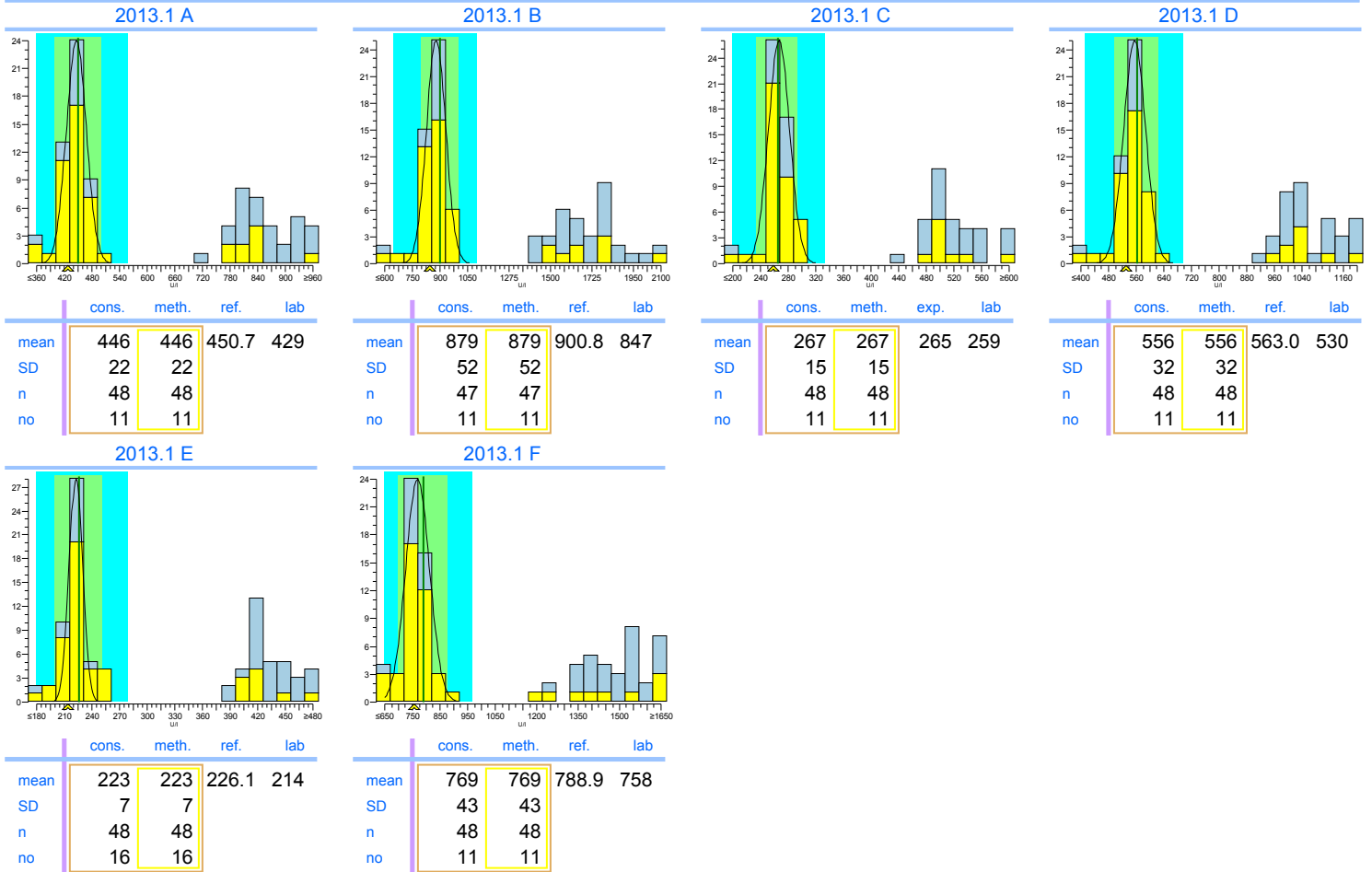
LD

units: U/I



	2013.1	cumulative
Trueness	-4.9%	-4.9%
Precision	1.4%	1.4%
Number	6	6
Outliers	0	0
Sigma-TE	5.4	5.4
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0 + 0.949.x$	$0 + 0.949.x$

Consensus group IFCC tracerbaar
Method IFCC traceable



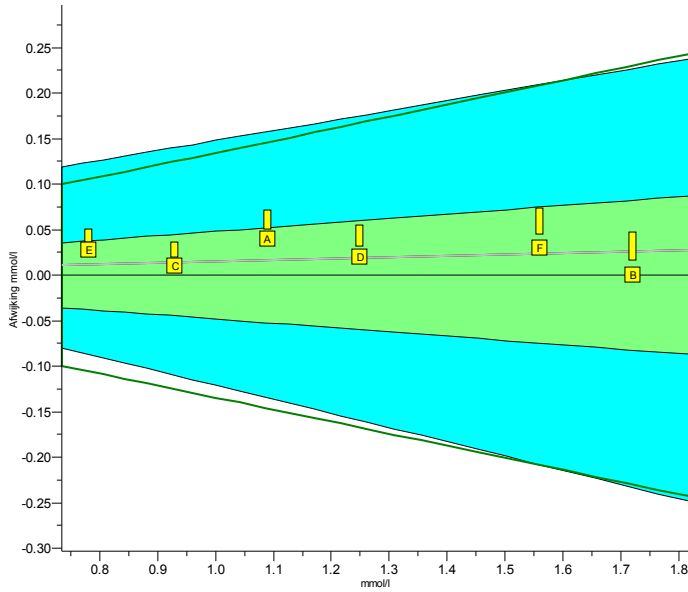
Legend

IFCC traceable IFCC non-traceable

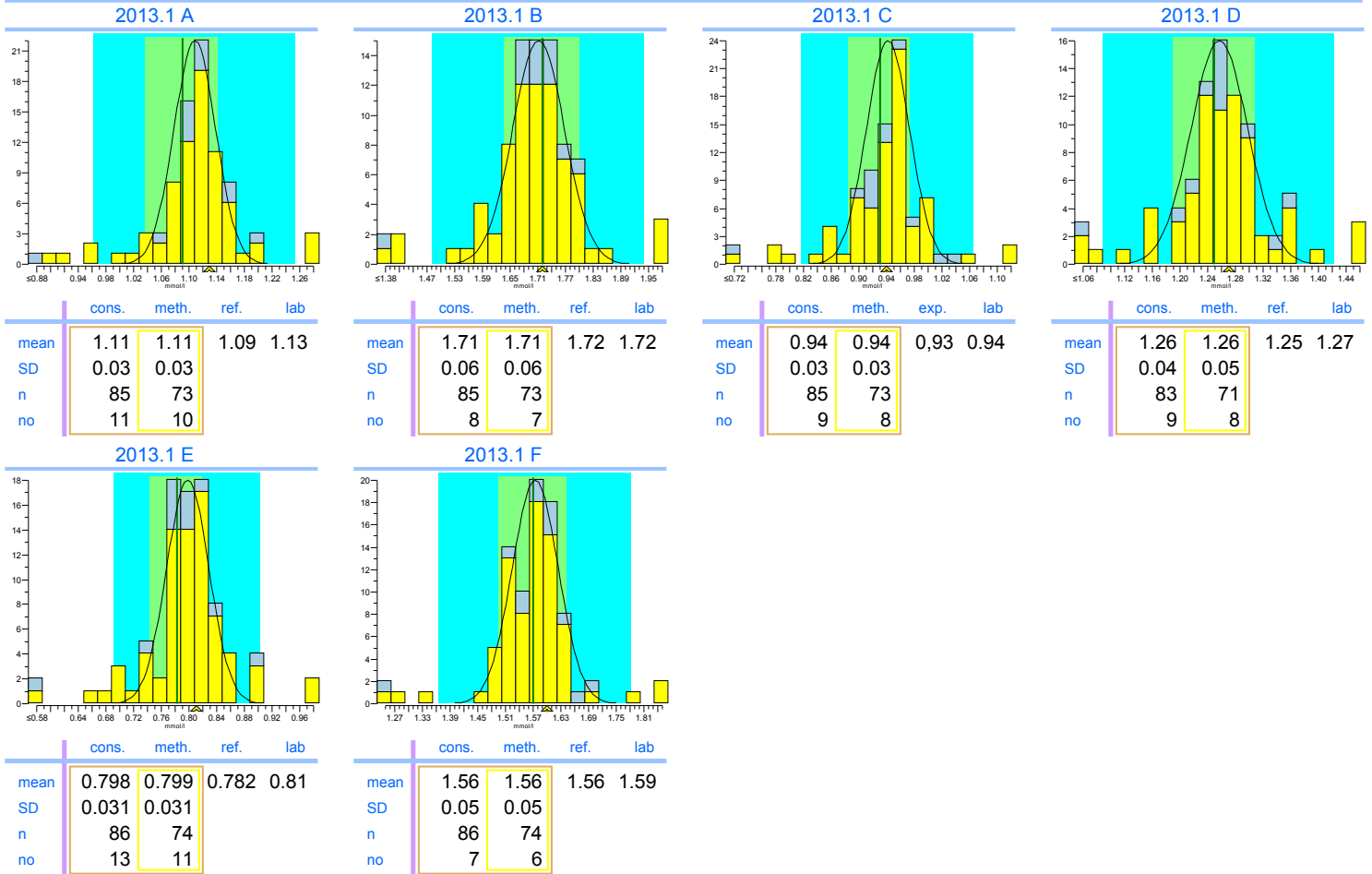
INPUTS 2013.1

Magnesium

units: mmol/l



	2013.1	cumulative
Trueness	+1.7%	+1.7%
Precision	0.75%	0.75%
Number	6	6
Outliers	0	0
Sigma-TE	4.6	4.6
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	<u>0.00 + 1.015.x</u>	<u>0.00 + 1.015.x</u>
Consensus group	Overall	
Method	Colorimetric	



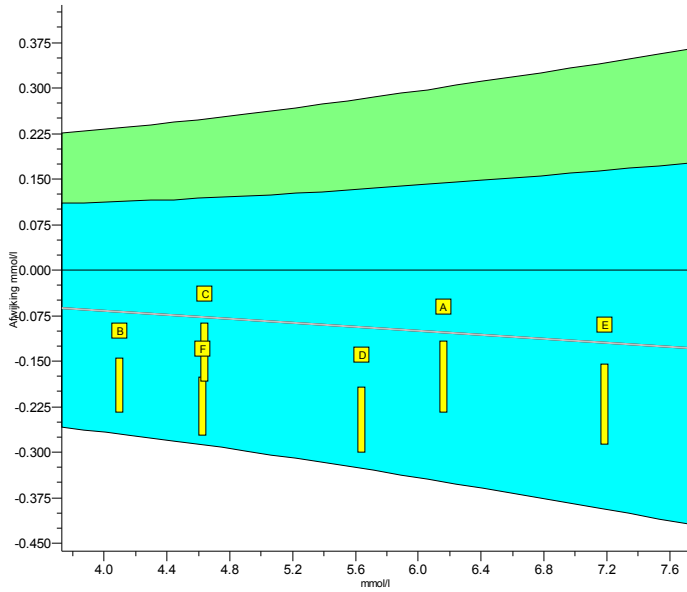
Legend



INPUTS 2013.1

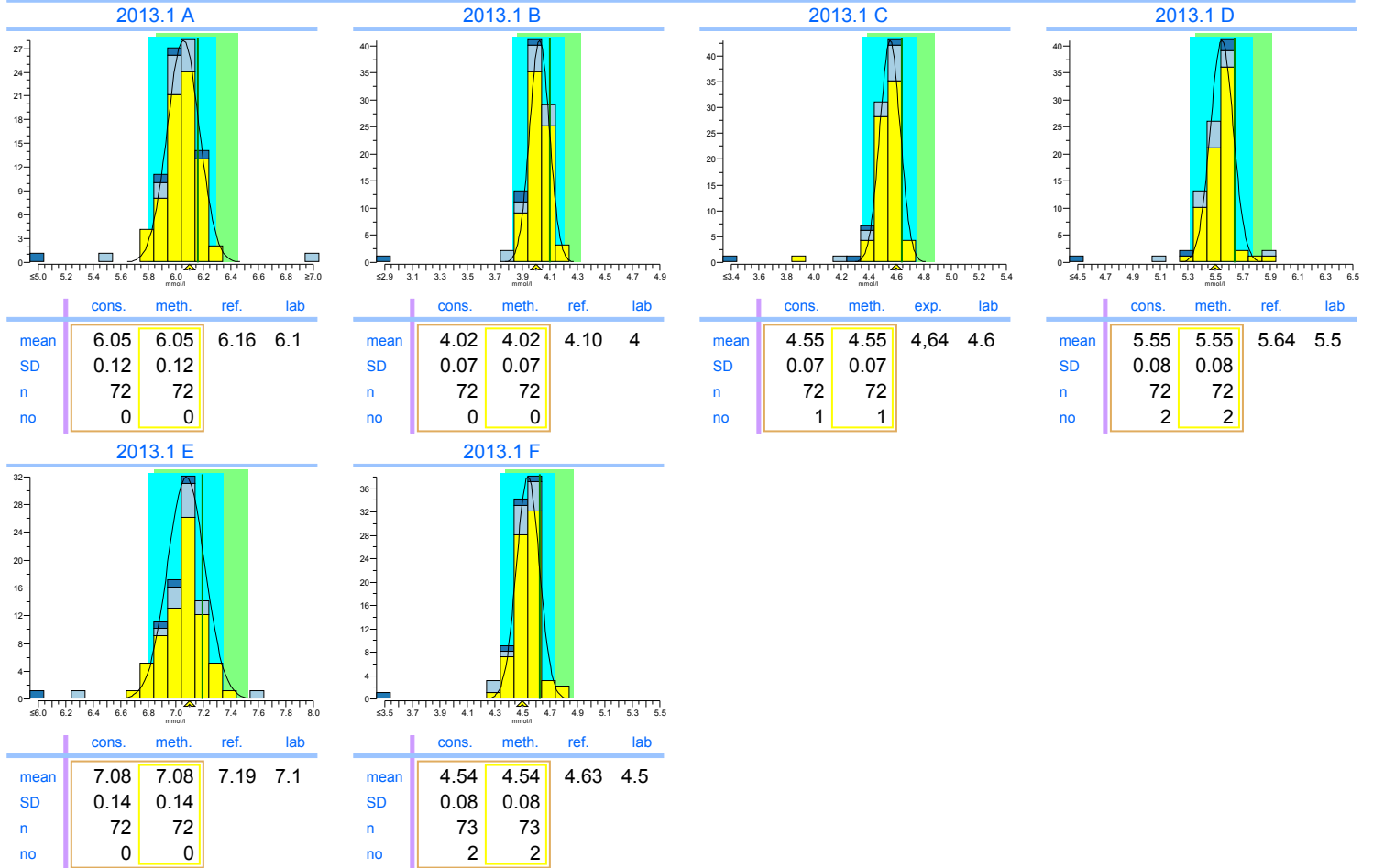
Potassium

units: mmol/l



	2013.1	cumulative
Trueness	-1.7%	-1.7%
Precision	0.81%	0.81%
Number	6	6
Outliers	0	0
Sigma-TE	4.9 2	4.9 2
Sigma-SA	3.8	3.8
Score pictogram		
Regression line	<u>0.00 + 0.983.x</u>	<u>0.00 + 0.983.x</u>

Consensus group ISE verdund/Vlamfotometrie
Method ISE indirect (with predilution)



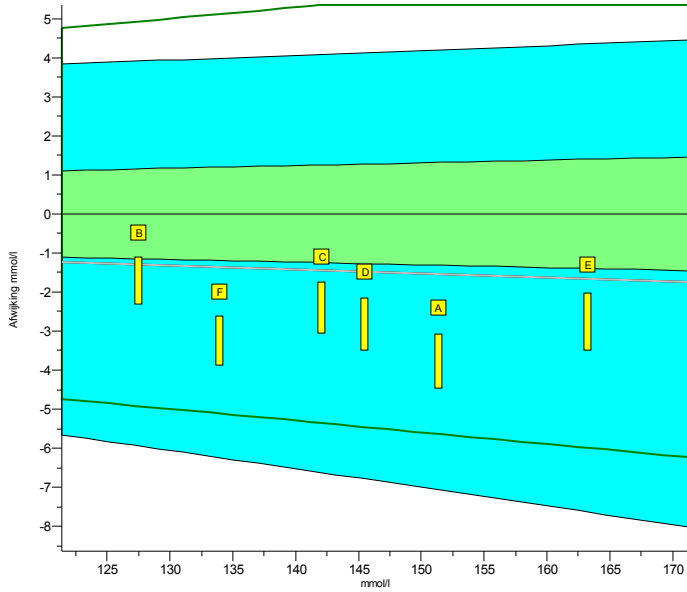
Legend



- ISE indirect (with predilution)
- ISE direct (no predilution)
- Other methods

INPUTS 2013.1

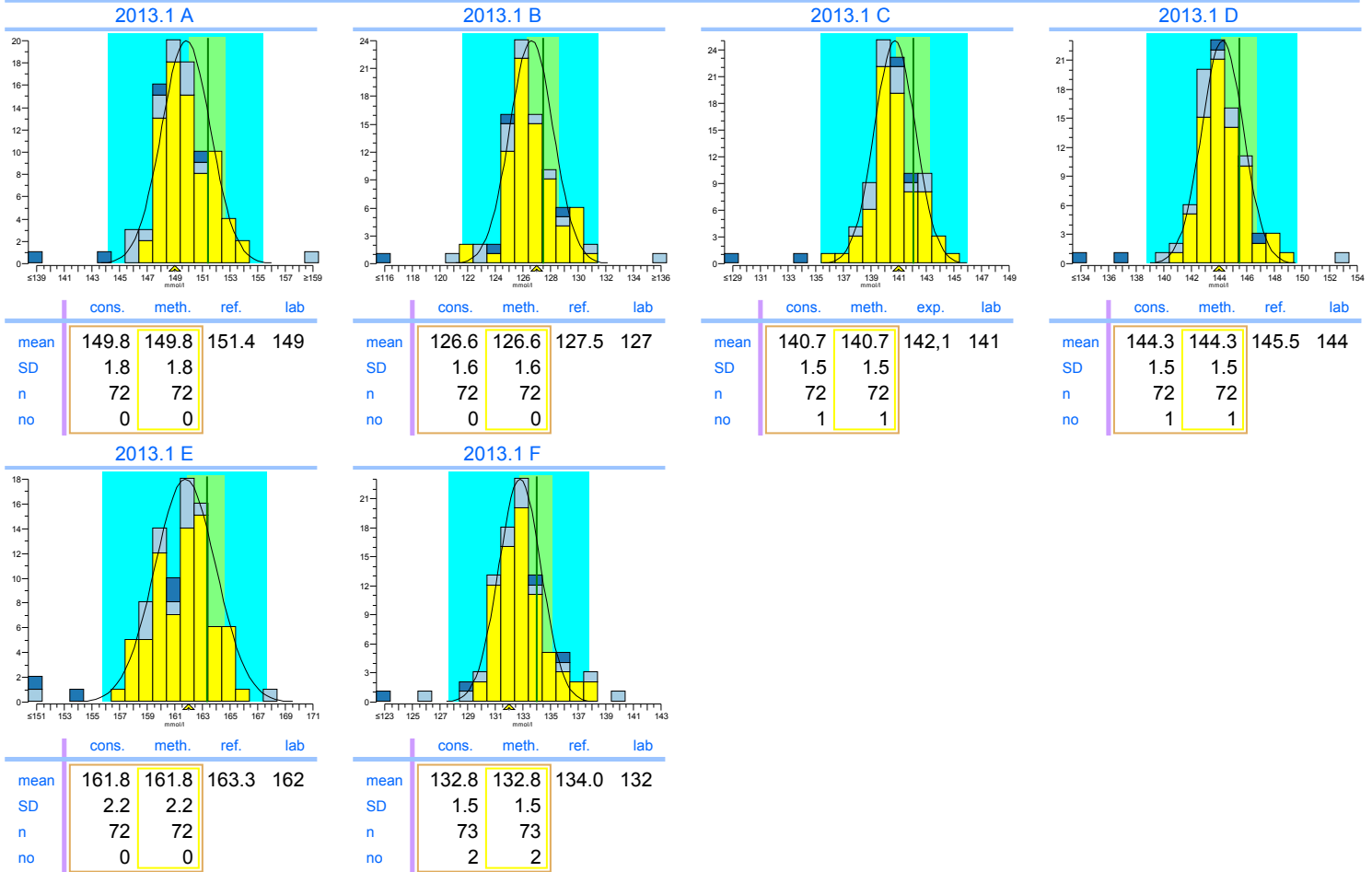
Sodium

units: mmol/l



	2013.1	cumulative
Trueness	-1.0%	-1.0%
Precision	0.38%	0.38%
Number	6	6
Outliers	0	0
Sigma-TE	0.4	0.4
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 0.990 \cdot x$	$0.0 + 0.990 \cdot x$

Consensus group ISE verdund/Vlamfotometrie
Method ISE indirect (with predilution)



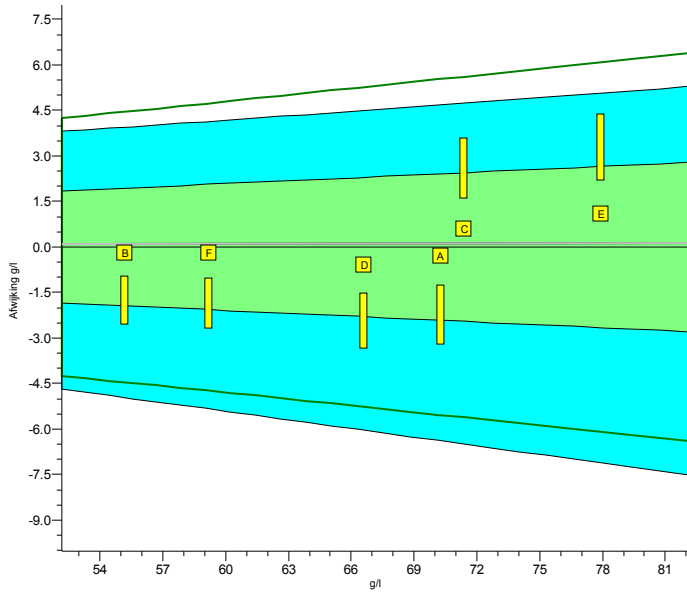
Legend



ISE indirect (with predilution) ISE direct (no predilution) Other methods

INPUTS 2013.1

Total Protein

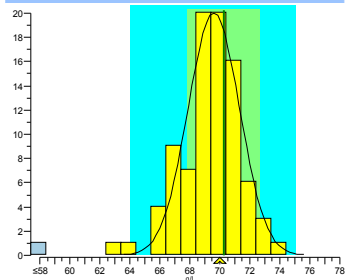
units: g/l



	2013.1	cumulative
Trueness	+0.10%	+0.10%
Precision	1.1%	1.1%
Number	6	6
Outliers	0	0
Sigma-TE	3.2	3.2
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 1.002.x$	$0.0 + 1.002.x$

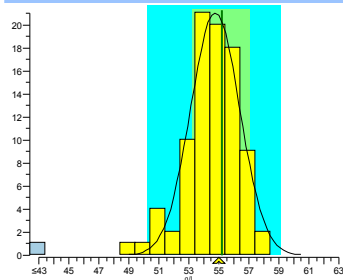
Consensus group Biureet
Method Biurete, automatic

2013.1 A



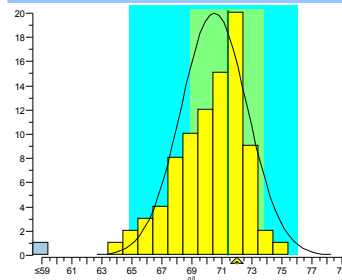
	cons.	meth.	ref.	lab
mean	69.6	69.6	70.3	70
SD	1.7	1.7		
n	88	88		
no	2	2		

2013.1 B



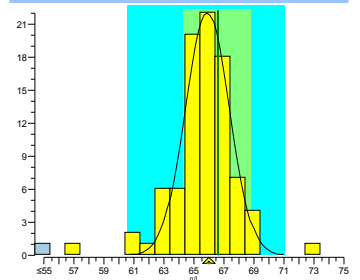
	cons.	meth.	ref.	lab
mean	54.8	54.8	55.2	55
SD	1.6	1.6		
n	88	88		
no	1	1		

2013.1 C



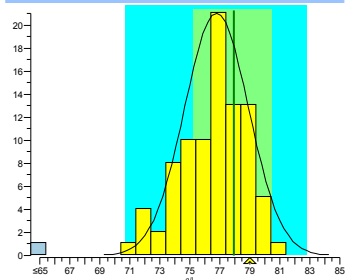
	cons.	meth.	exp.	lab
mean	70.5	70.5	71.4	72
SD	2.2	2.2		
n	87	87		
no	0	0		

2013.1 D



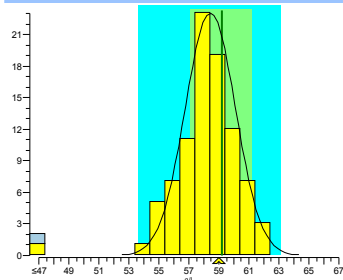
	cons.	meth.	ref.	lab
mean	65.9	65.9	66.6	66
SD	1.5	1.5		
n	88	88		
no	4	4		

2013.1 E



	cons.	meth.	ref.	lab
mean	76.8	76.8	77.9	79
SD	2.1	2.1		
n	88	88		
no	0	0		

2013.1 F



	cons.	meth.	ref.	lab
mean	58.4	58.4	59.2	59
SD	1.7	1.7		
n	89	89		
no	1	1		

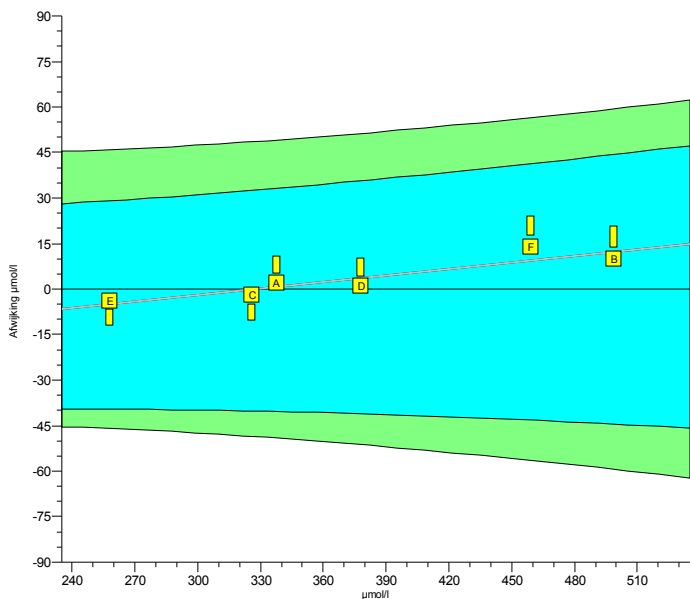
Legend

Biurete, automatic Other methods

INPUTS 2013.1

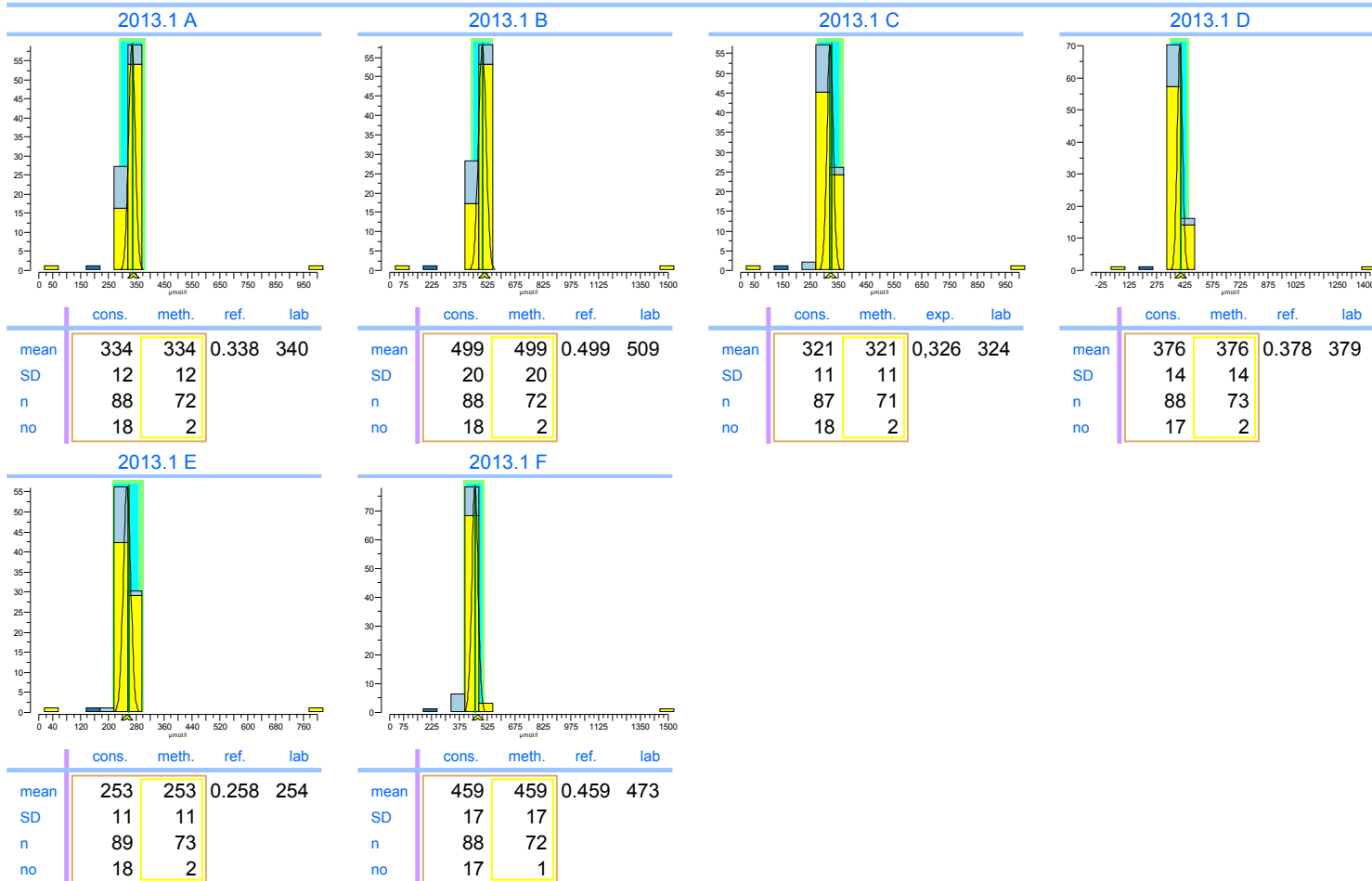
Urate

units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	+0.93%	+0.93%
Precision	0.66%	0.66%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0 + 1.072 \cdot x$	$0 + 1.072 \cdot x$

Consensus group: Colorimetrisch
Method: Uricase, colorim., automatic



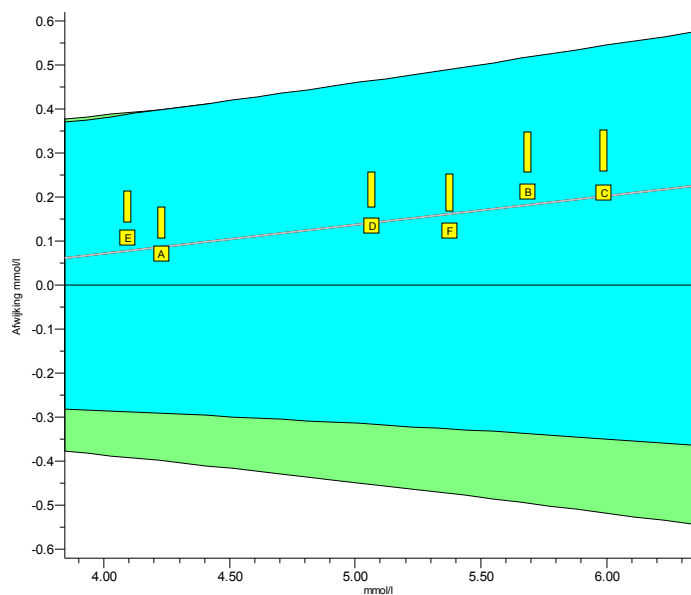
Legend



- Uricase, colorim., automatic
- Uricase, differential UV, automatic
- Overige methoden

INPUTS 2013.1

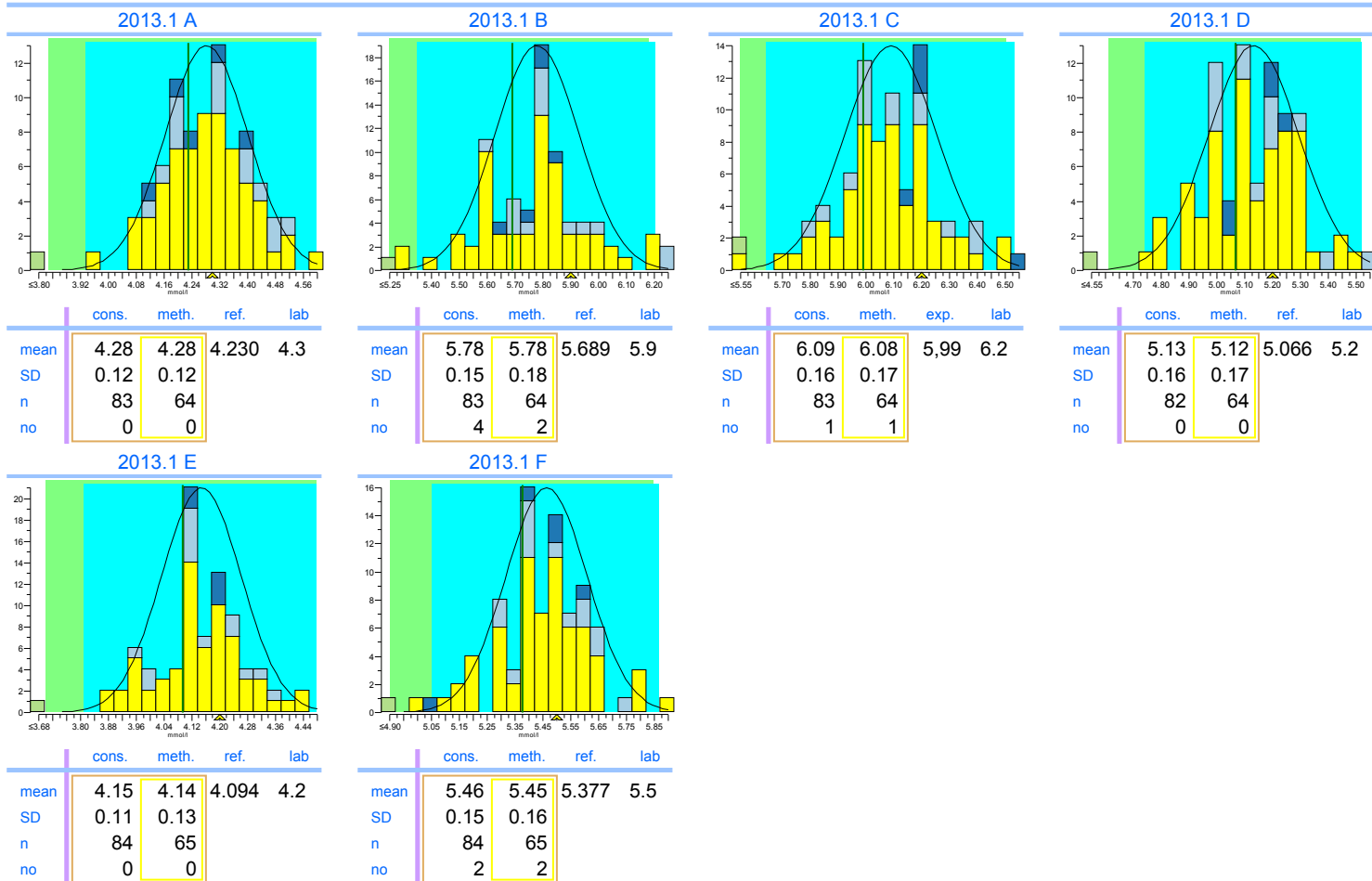
Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	+2.8%	+2.8%
Precision	0.65%	0.65%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$-0.19 + 1.065 \cdot x$	$-0.19 + 1.065 \cdot x$

Consensus group	Enzymatisch
Method	Enzymatic, automatic, discrete



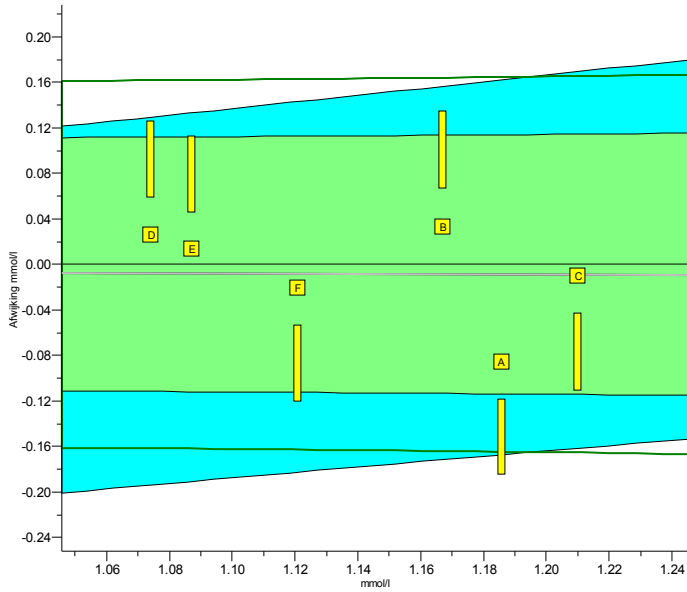
Legend



- Enzymatic, automatic, discrete
- Enzymatic, automatic, kinetic
- Abell-Kendall reference values
- Overige methoden

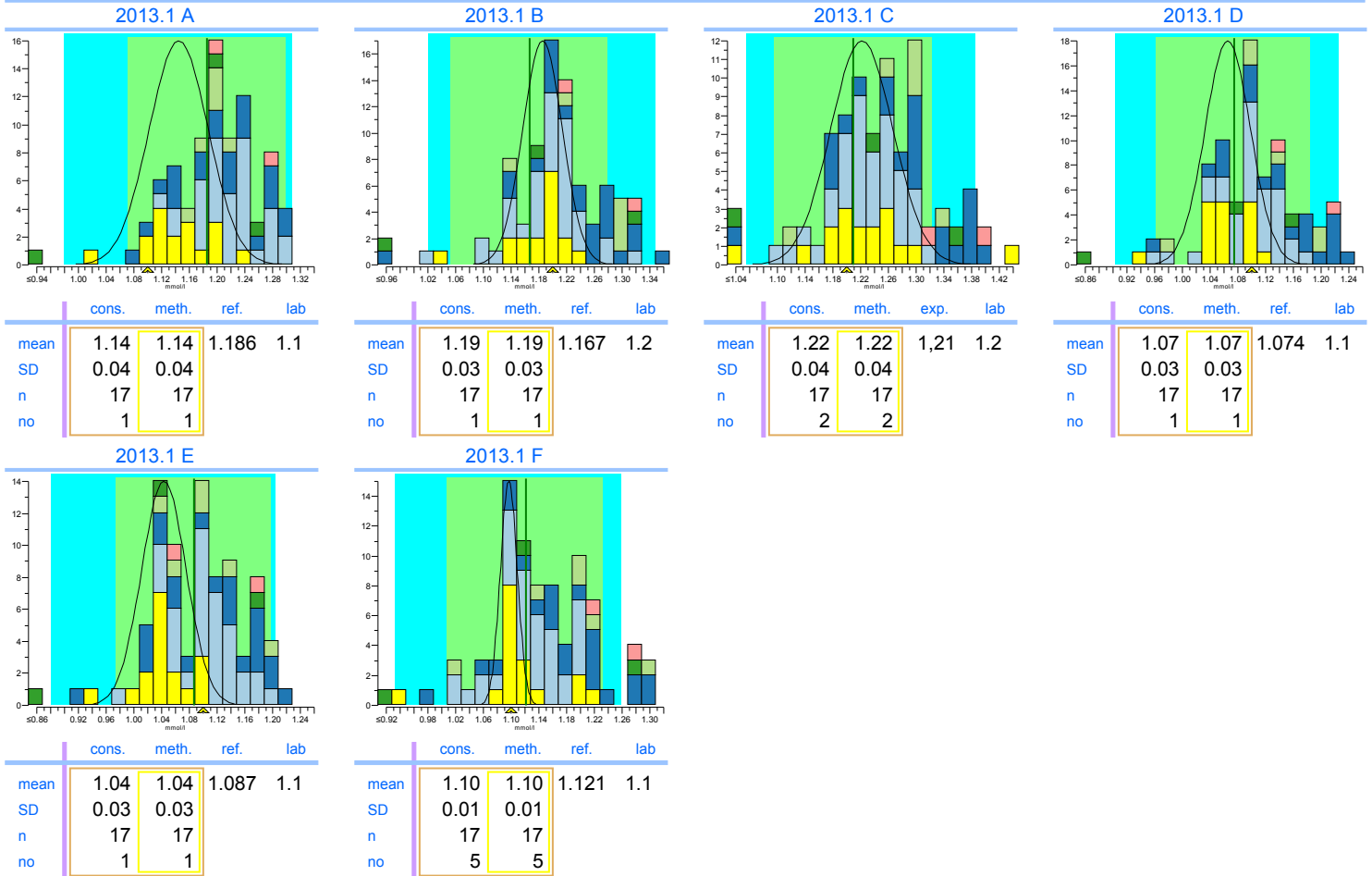
INPUTs 2013.1

HDL-Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	-0.66%	-0.66%
Precision	2.4%	2.4%
Number	6	6
Outliers	0	0
Sigma-TE	3.8	3.8
Sigma-SA	5.7 2	5.7 2
Score pictogram		
Regression line	$0.00 + 0.993.x$	$0.00 + 0.993.x$
Consensus group	Overall	
Method	Immunoinhibition	



Legend

- Immunoinhibition
- PEG modified enzyme, PEGME (Kyowa Medex)
- Accelerator Selective Detergent ("Ultra HDL")
- Catalase method (Denka Seiken)
- Overige methoden
- Precipitation Technique