



3705 ?
Queen's Hosp. Romford
-

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	19	36	



3705 ?
Queen's Hosp. Romford
-

Groot Brittannië

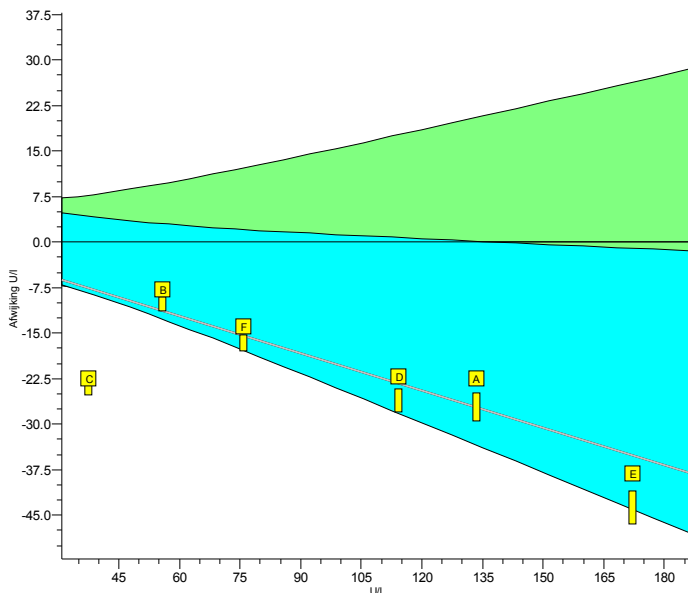
INPUTS 2013.1

Analyte		Trueness				Precision		Performance			
		your mean	ref.	cons.	SDtI	your prec.	SDbl	this survey	PS	cumulative PSc	
ALAT	U/l	77.0	98.2	86.9	10.1	7.8	2.7		0		0
Alk. Phosphatase	U/l	192	206	200	12	4	4		1		1
Amylase	U/l	171	228	221	8	3	2		0		0
ASAT	U/l	79.0	86.6	79.2	6.8	1.9	1.6		0		0
Calcium	mmol/l	2.53	2.46	2.47	0.07	0.04	0.02		1		1
Chloride	mmol/l	101.3	100.0	100.8	1.8	1.5	0.9		1		1
CK	U/l	247	244	253	18	21	3		2		2
Creatinine	µmol/l	154.0	149.1	150.9	7.1	7.8	4.2		0		0
Gamma-GT	U/l	100.8	94.8	93.6	8.6	2.6	1.2		2		2
Glucose	mmol/l	14.35	13.93	14.19	0.44	0.43	0.18		1		1
LD	U/l	1162	586	984	321	18	16		0		0
Magnesium	mmol/l	1.21	1.22	1.23	0.04	0.08	0.02		2		2
Potassium	mmol/l	5.38	5.54	5.45	0.10	0.04	0.04		1		1
Sodium	mmol/l	140.8	144.0	142.7	1.7	1.1	0.9		1		1
Total Protein	g/l	66.0	65.8	65.1	1.8	0.7	0.7		2		2
Urate	µmol/l	374	376	374	15	18	4		2		2
Cholesterol	mmol/l	4.96	4.89	4.96	0.14	0.13	0.05		1		1
HDL-Cholesterol	mmol/l	1.11	1.14	1.13	0.03	0.02	0.02		2		2
Total :									19		19

INPUTS 2013.1

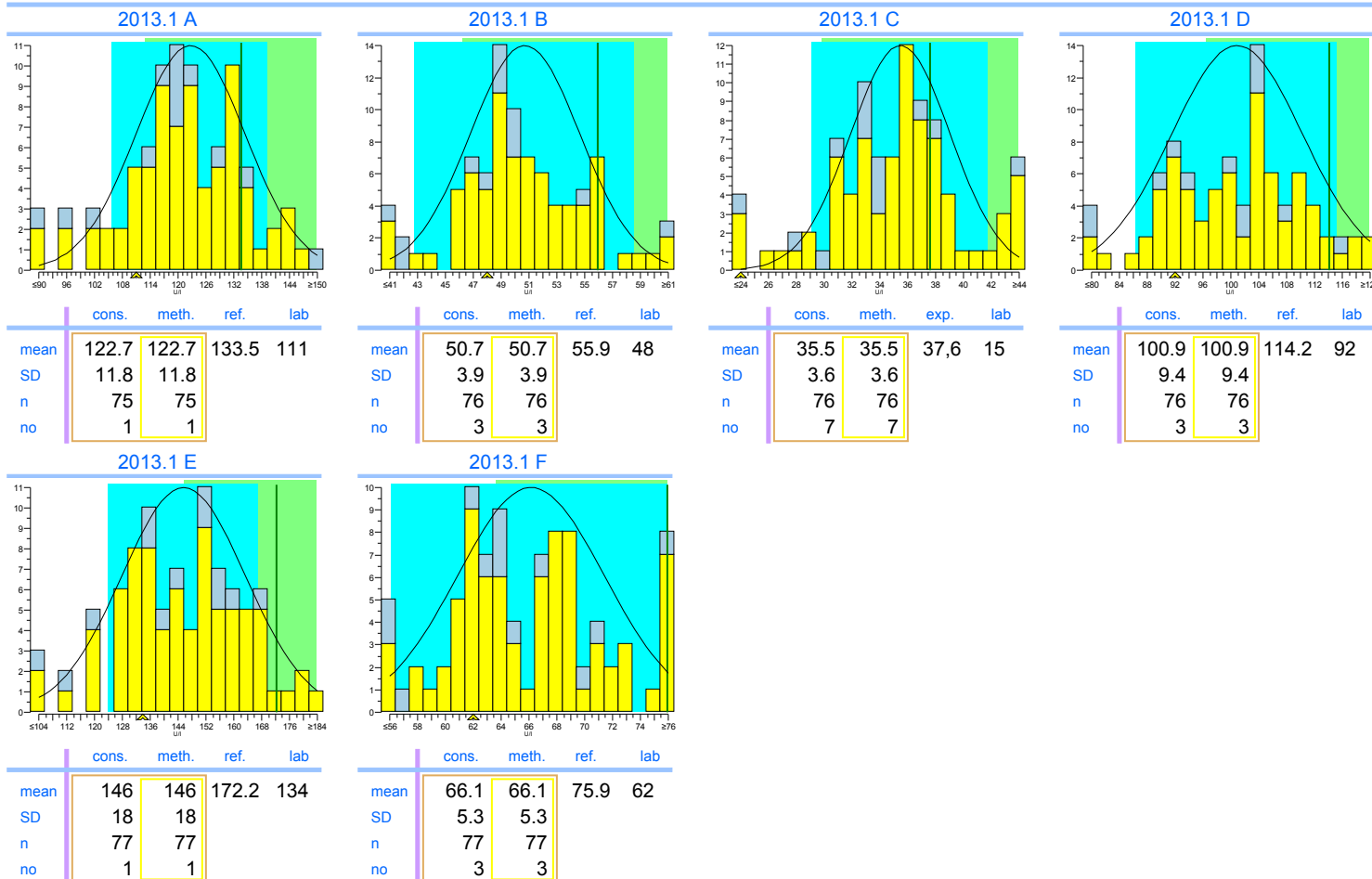
ALAT

units: U/I



	2013.1	cumulative
Trueness	-22%	-22%
Precision	9.0%	9.0%
Number	6	6
Outliers	0	0
Sigma-TE	-0.9 0	-0.9 0
Sigma-SA	-2.0	-2.0
Score pictogram		
Regression line	$0.0 + 0.796.x$	$0.0 + 0.796.x$

Consensus group IFCC traceerbaar
Method IFCC traceable



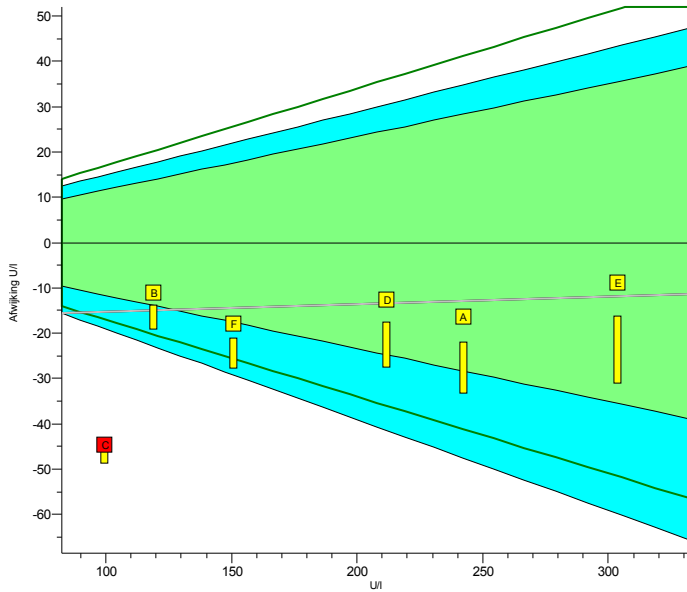
Legend

IFCC traceable IFCC non-traceable

INPUTS 2013.1

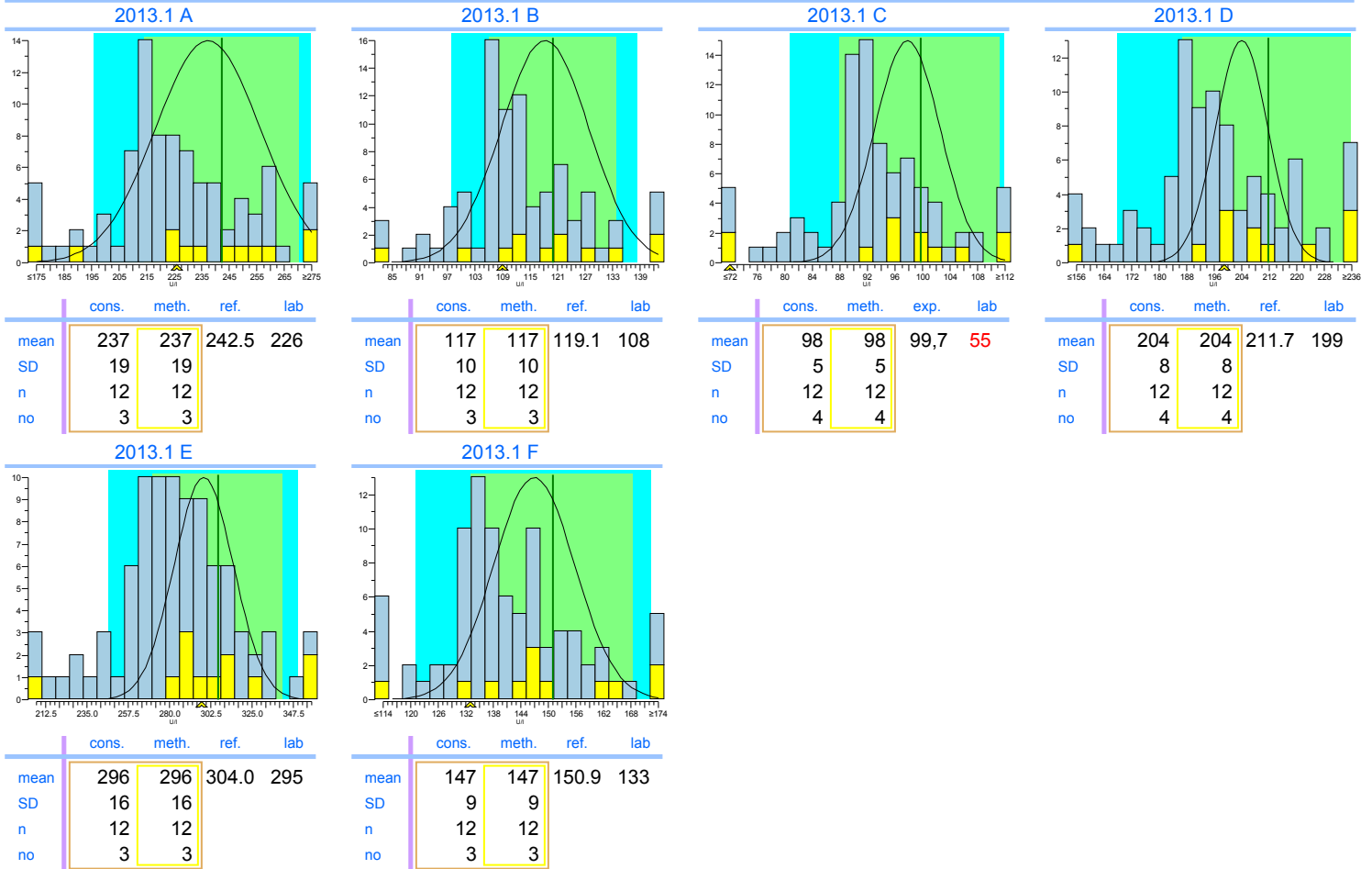
Alk. Phosphatase

units: U/I



	2013.1	cumulative
Trueness	-6.5%	-6.5%
Precision	1.9%	1.9%
Number	6	6
Outliers	1	1
Sigma-TE	1.9	1.9
Sigma-SA	4.1	4.1
Score pictogram		
Regression line	$-17 + 1.017.x$	$-17 + 1.017.x$

Consensus group: niet IFCC traceerbaar
Method: IFCC non-traceable



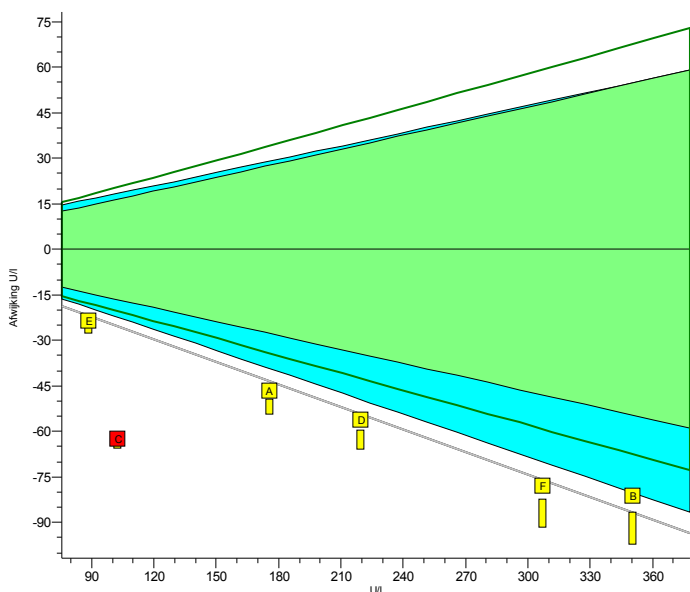
Legend

IFCC non-traceable IFCC traceable

INPUTS 2013.1

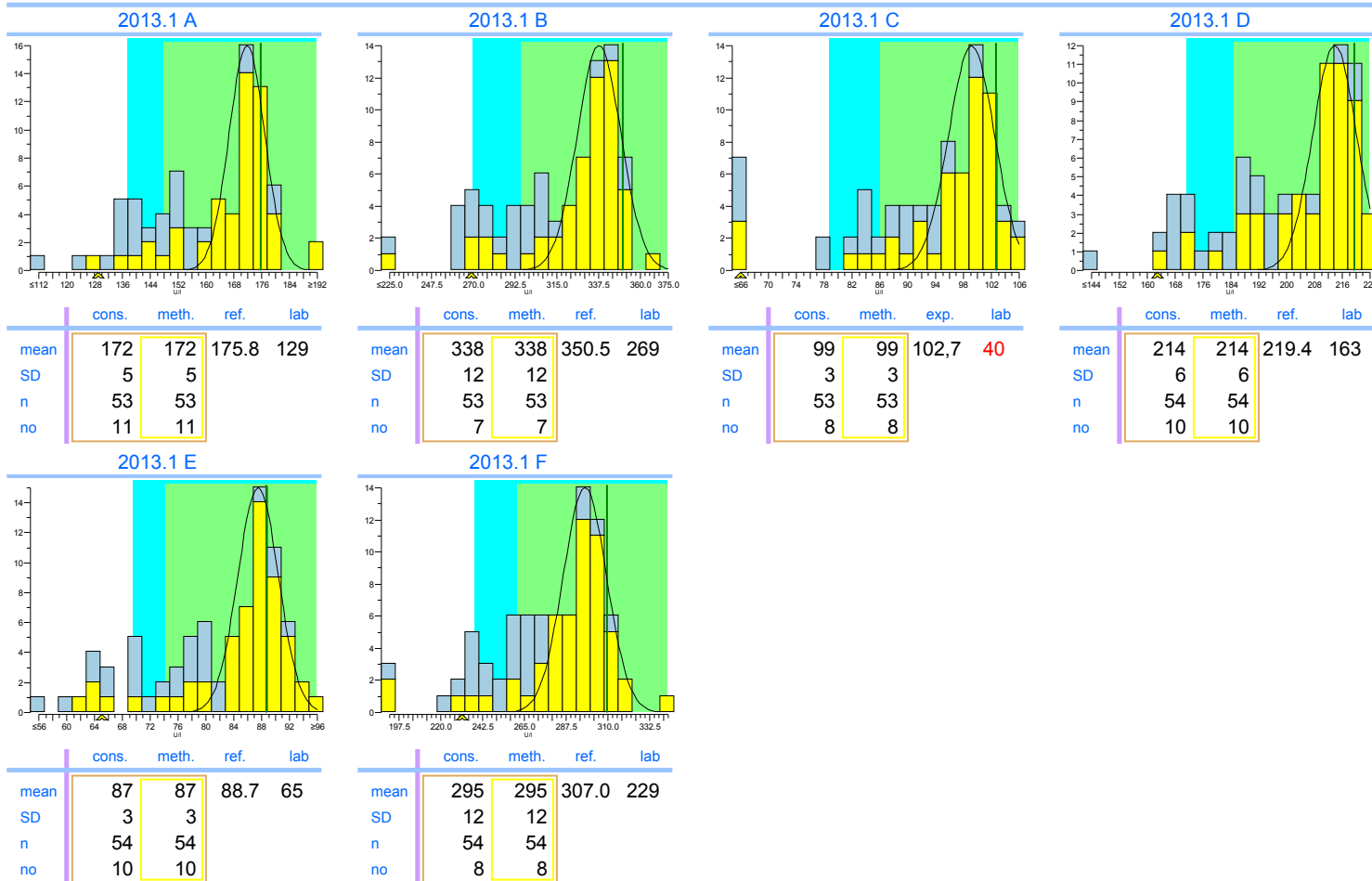
Amylase

units: U/l



	2013.1	cumulative
Trueness	-25%	-25%
Precision	1.3%	1.3%
Number	6	6
Outliers	1	1
Sigma-TE	-3.0	-3.0
Sigma-SA	-2.8 0	-2.8 0
Score pictogram		
Regression line	$0 + 0.753 \cdot x$	$0 + 0.753 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



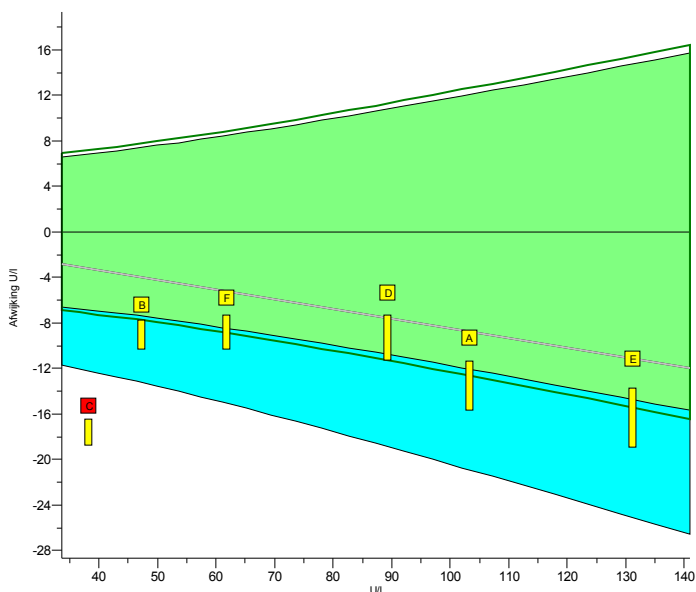
Legend



 IFCC traceable IFCC non-traceable

INPUTS 2013.1

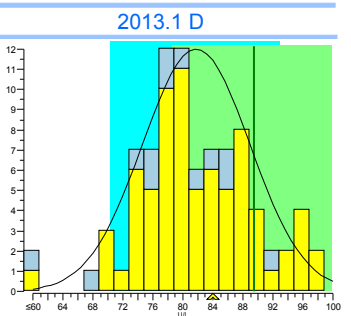
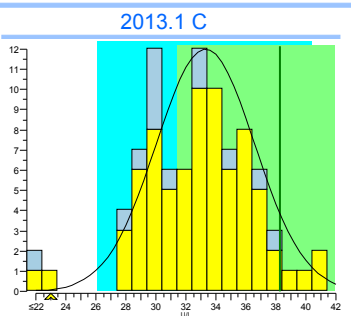
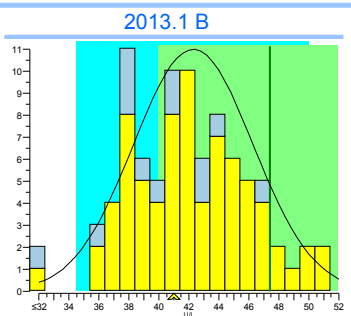
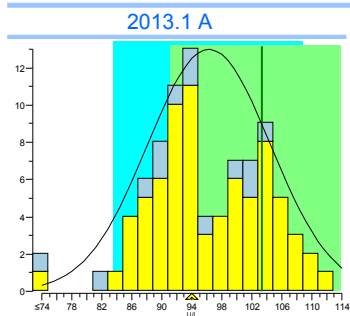
ASAT

units: U/I



	2013.1	cumulative
Trueness	-8.8%	-8.8%
Precision	2.4%	2.4%
Number	6	6
Outliers	1	1
Sigma-TE	1.7	1.7
Sigma-SA	1.9	1.9
Score pictogram		
Regression line	$0.0 + 0.915 \cdot x$	$0.0 + 0.915 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable

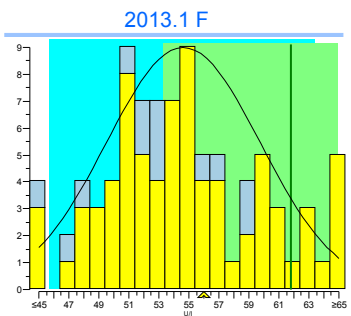
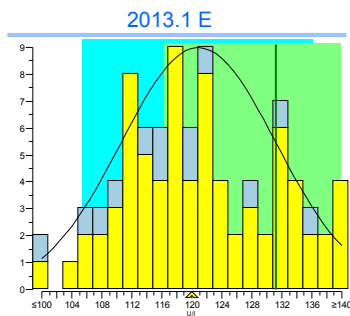


	cons.	meth.	ref.	lab
mean	96.3	96.3	103.3	94
SD	8.2	8.2		
n	75	75		
no	1	1		

	cons.	meth.	ref.	lab
mean	42.3	42.3	47.4	41
SD	4.0	4.0		
n	75	75		
no	1	1		

	cons.	meth.	exp.	lab
mean	33.3	33.3	38,3	23
SD	3.3	3.3		
n	75	75		
no	2	2		

	cons.	meth.	ref.	lab
mean	81.8	81.8	89.4	84
SD	7.2	7.2		
n	74	74		
no	1	1		



	cons.	meth.	ref.	lab
mean	120.9	120.9	131.2	120
SD	10.3	10.3		
n	76	76		
no	1	1		

	cons.	meth.	ref.	lab
mean	54.6	54.6	61.8	56
SD	5.1	5.1		
n	76	76		
no	2	2		

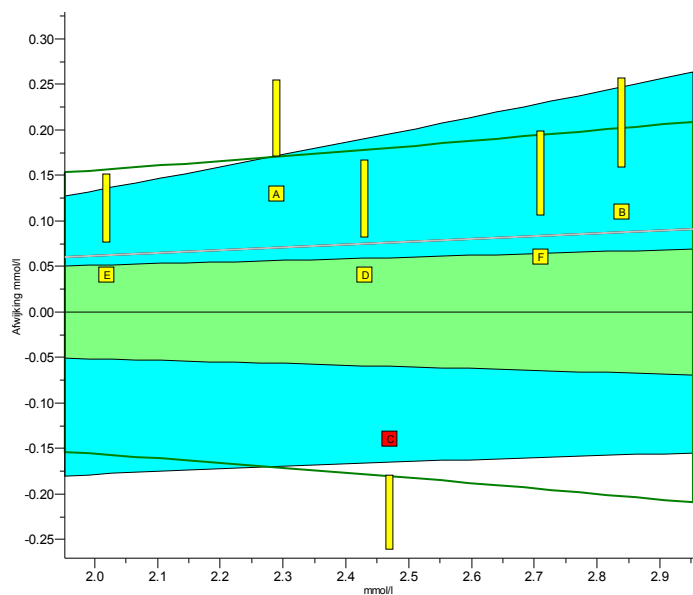
Legend





 IFCC traceable  IFCC non-traceable

INPUTS 2013.1

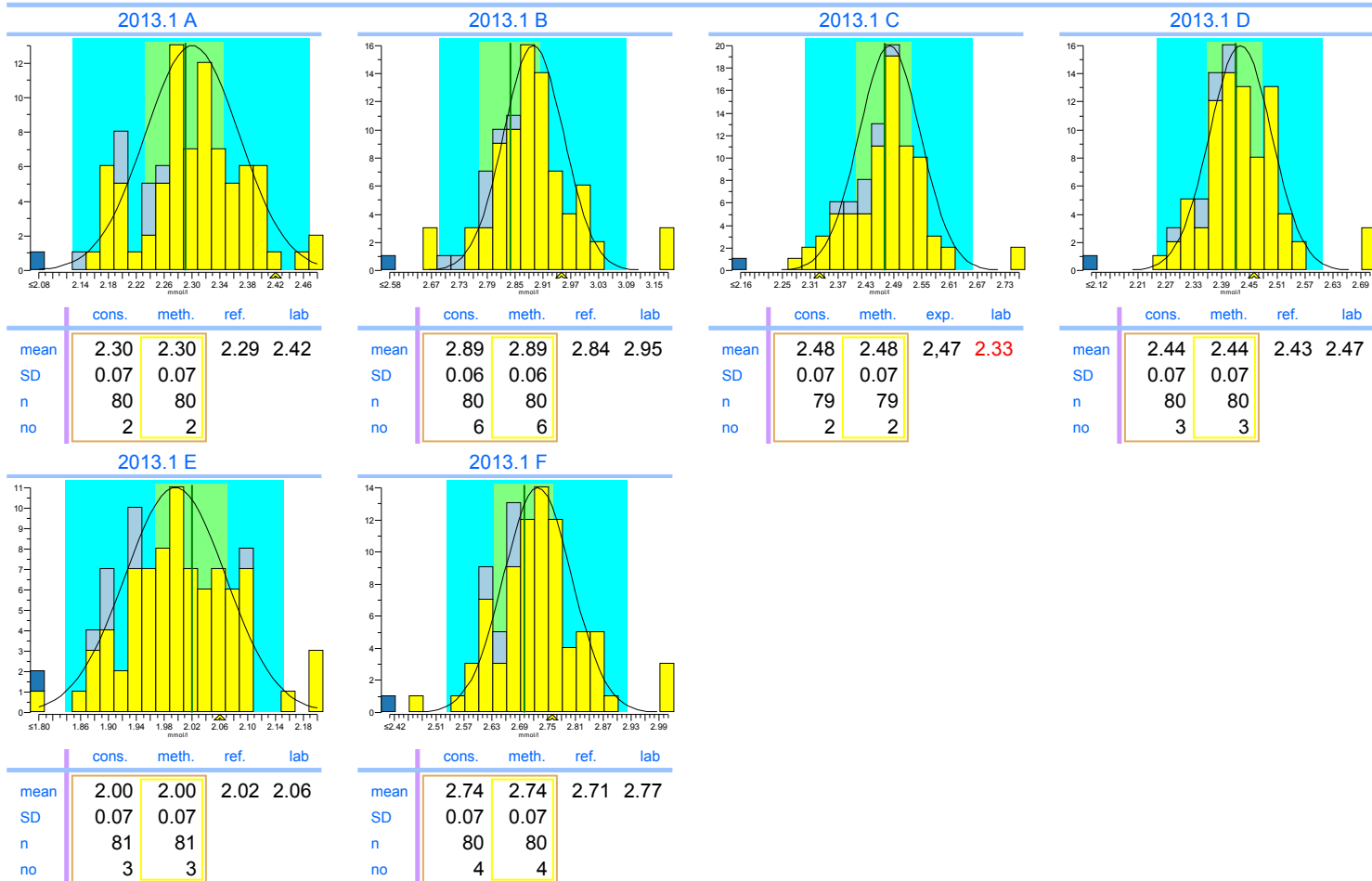
Calcium

units: mmol/l



	2013.1	cumulative
Trueness	+3.1%	+3.1%
Precision	1.6%	1.6%
Number	6	6
Outliers	1	1
Sigma-TE	0.0	0.0
Sigma-SA	3.5 	3.5 
Score pictogram		
Regression line	<u>0.00 + 1.031.x</u>	<u>0.00 + 1.031.x</u>

Consensus group	Colorimetrisch
Method	Colorimetric, automatic, discrete



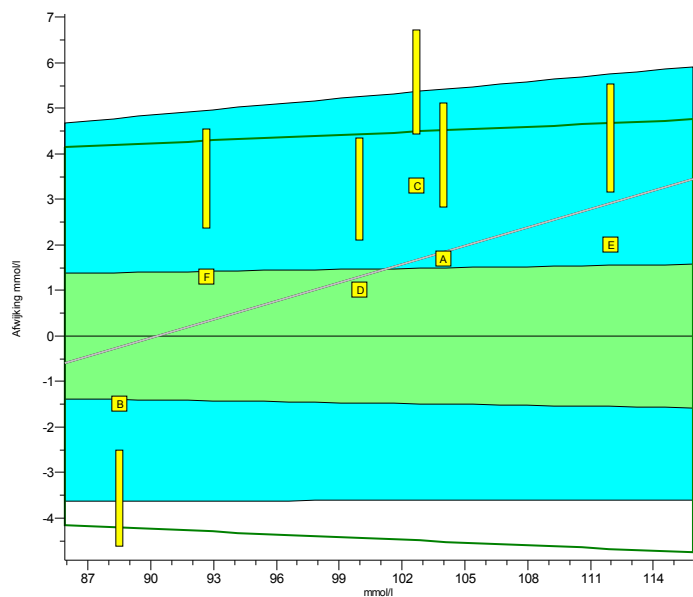
Legend

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

INPUTs 2013.1

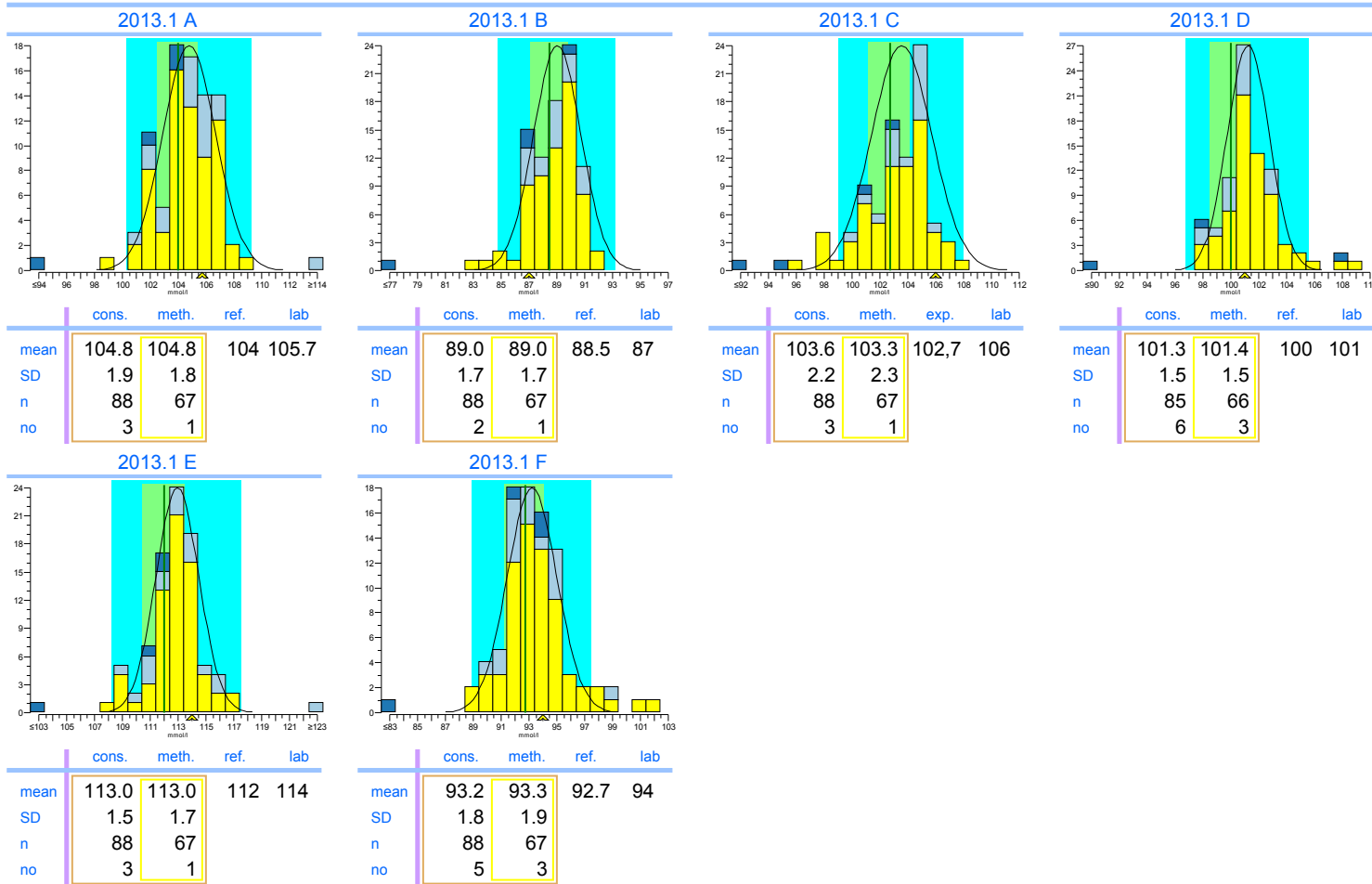
Chloride

units: mmol/l



	2013.1	cumulative
Trueness	+1.3%	+1.3%
Precision	1.5%	1.5%
Number	6	6
Outliers	0	0
Sigma-TE	0.4	0.4
Sigma-SA	3.7	3.7
Score pictogram		
Regression line	$-12.2 + 1.135.x$	$-12.2 + 1.135.x$

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



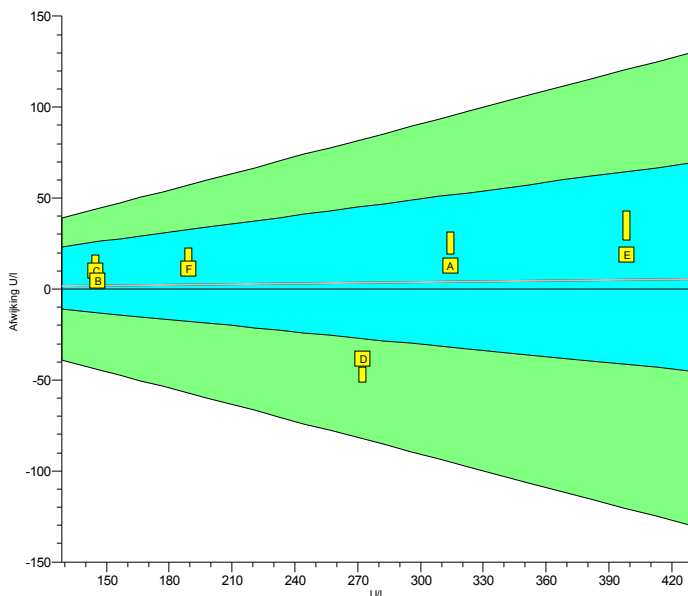
Legend



INPUTS 2013.1

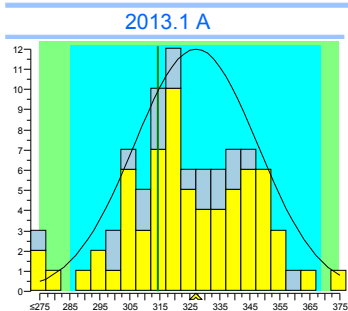
CK

units: U/l

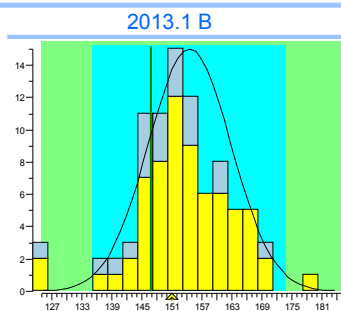


	2013.1	cumulative
Trueness	+1.2%	+1.2%
Precision	8.2%	8.2%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.2	5.2
Score pictogram		
Regression line	$0 + 1.012 \cdot x$	$0 + 1.012 \cdot x$

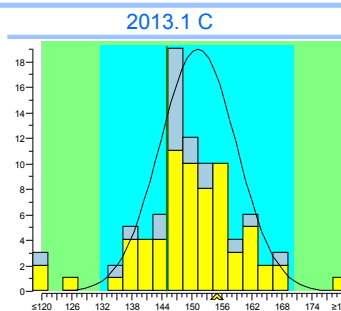
Consensus group IFCC traceerbaar
Method IFCC traceable



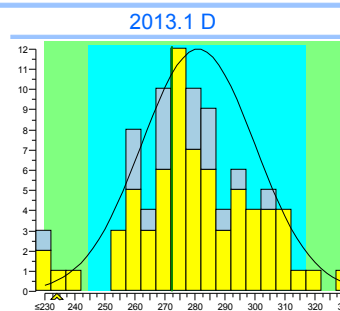
	cons.	meth.	ref.	lab
mean	327	327	314.3	327
SD	21	21		
n	68	68		
no	2	2		



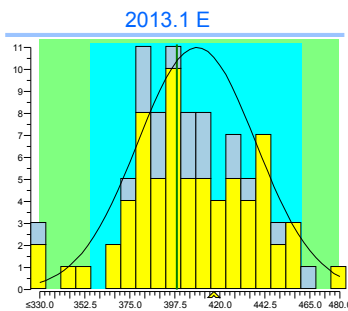
	cons.	meth.	ref.	lab
mean	154	154	145.8	150
SD	8	8		
n	67	67		
no	3	3		



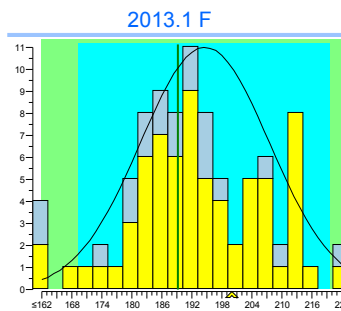
	cons.	meth.	exp.	lab
mean	151	151	145	155
SD	8	8		
n	68	68		
no	4	4		



	cons.	meth.	ref.	lab
mean	281	281	272.3	234
SD	19	19		
n	69	69		
no	2	2		



	cons.	meth.	ref.	lab
mean	409	409	398.4	417
SD	30	30		
n	69	69		
no	2	2		



	cons.	meth.	ref.	lab
mean	195	195	189.2	200
SD	13	13		
n	69	69		
no	2	2		

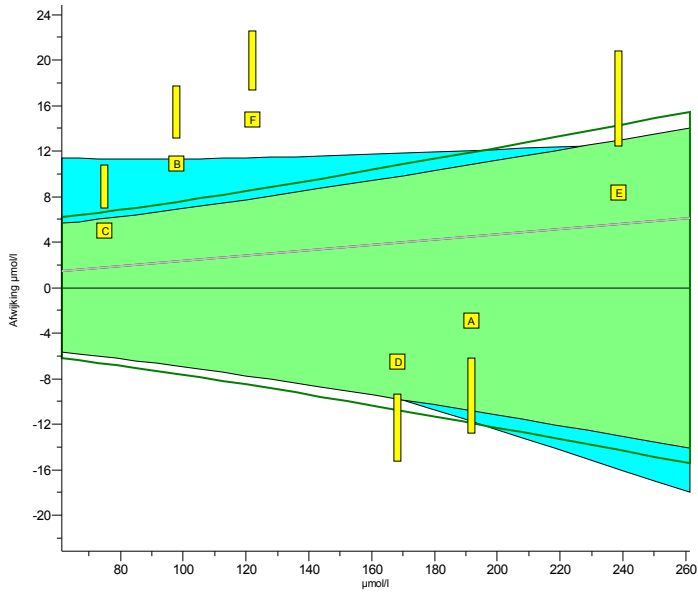
Legend

IFCC traceable IFCC non-traceable

INPUTS 2013.1

Creatinine

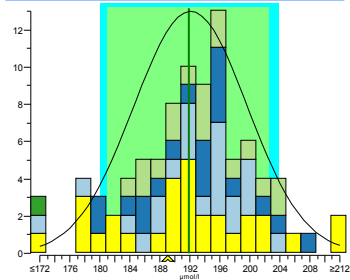
units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	+3.3%	+3.3%
Precision	5.2%	5.2%
Number	6	6
Outliers	0	0
Sigma-TE	0.9	0.9
Sigma-SA	1.3 0	1.3 0
Score pictogram		
Regression line	$0.0 + 1.023.x$	$0.0 + 1.023.x$

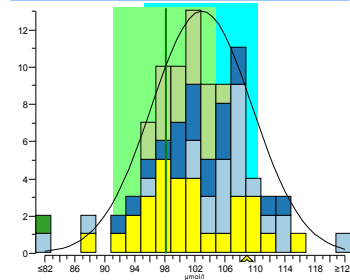
Consensus group Jaffe
Method Alk. Picrate, kinetic with compensation

2013.1 A



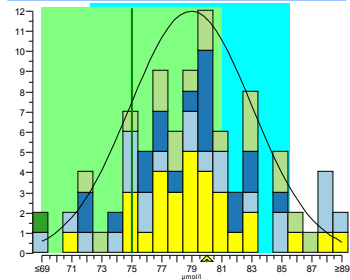
	cons.	meth.	ref.	lab
mean	192.1	190.4	191.9	189
SD	7.6	9.4		
n	71	30		
no	2	1		

2013.1 B



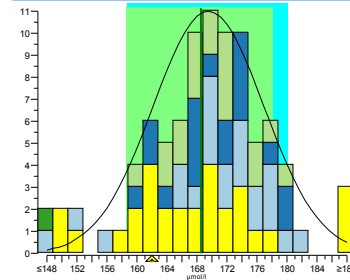
	cons.	meth.	ref.	lab
mean	102.9	101.0	98.11	109
SD	6.7	6.6		
n	71	30		
no	2	0		

2013.1 C



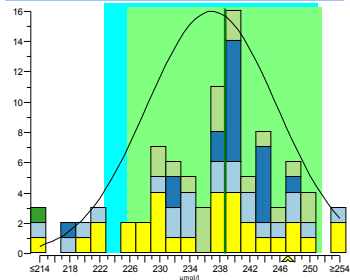
	cons.	meth.	exp.	lab
mean	78.9	79.1	75	80
SD	4.1	3.4		
n	71	30		
no	1	1		

2013.1 D



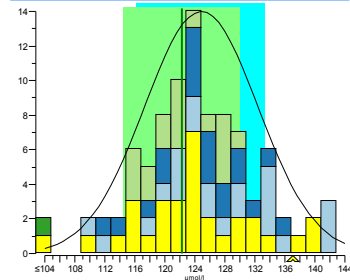
	cons.	meth.	ref.	lab
mean	169.5	167.6	168.5	162
SD	7.4	10.0		
n	70	30		
no	1	0		

2013.1 E



	cons.	meth.	ref.	lab
mean	236.9	234.2	238.7	247
SD	8.7	9.4		
n	72	31		
no	3	2		

2013.1 F



	cons.	meth.	ref.	lab
mean	124.9	123.5	122.3	137
SD	7.6	8.3		
n	72	31		
no	0	0		

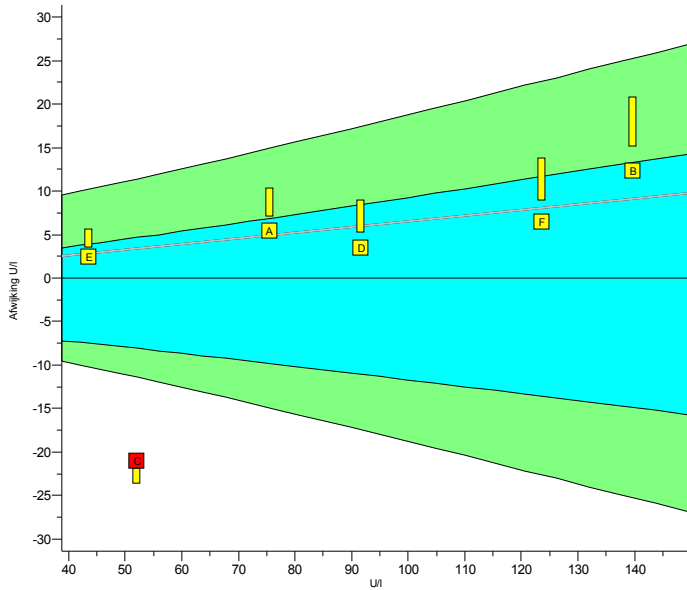
Legend

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

INPUTS 2013.1

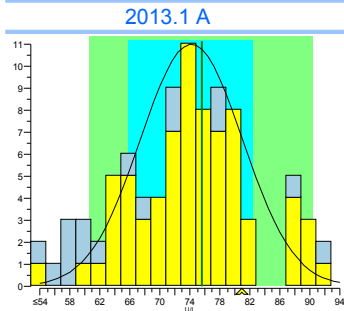
Gamma-GT

units: U/I

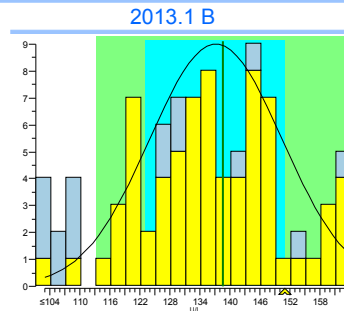


	2013.1	cumulative
Trueness	+6.3%	+6.3%
Precision	2.7%	2.7%
Number	6	6
Outliers	1	1
Sigma-TE	6.0 2	6.0 2
Sigma-SA	2.6	2.6
Score pictogram		
Regression line	$0.0 + 1.066.x$	$0.0 + 1.066.x$

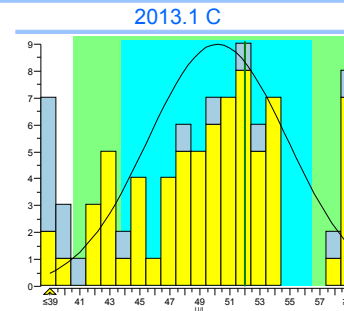
Consensus group IFCC traceerbaar
Method IFCC traceable



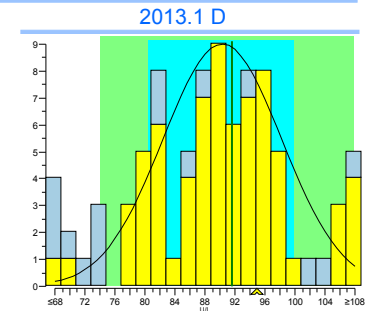
	cons.	meth.	ref.	lab
mean	74.2	74.2	75.6	81
SD	6.8	6.8		
n	72	72		
no	1	1		



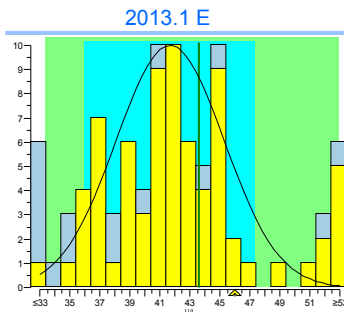
	cons.	meth.	ref.	lab
mean	138.2	138.2	139.7	152
SD	13.3	13.3		
n	72	72		
no	1	1		



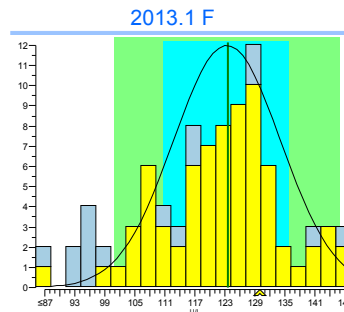
	cons.	meth.	exp.	lab
mean	50.2	50.2	52	31
SD	4.6	4.6		
n	72	72		
no	2	2		



	cons.	meth.	ref.	lab
mean	90.3	90.3	91.6	95
SD	7.9	7.9		
n	71	71		
no	1	1		



	cons.	meth.	ref.	lab
mean	41.7	41.7	43.6	46
SD	3.6	3.6		
n	73	73		
no	6	6		



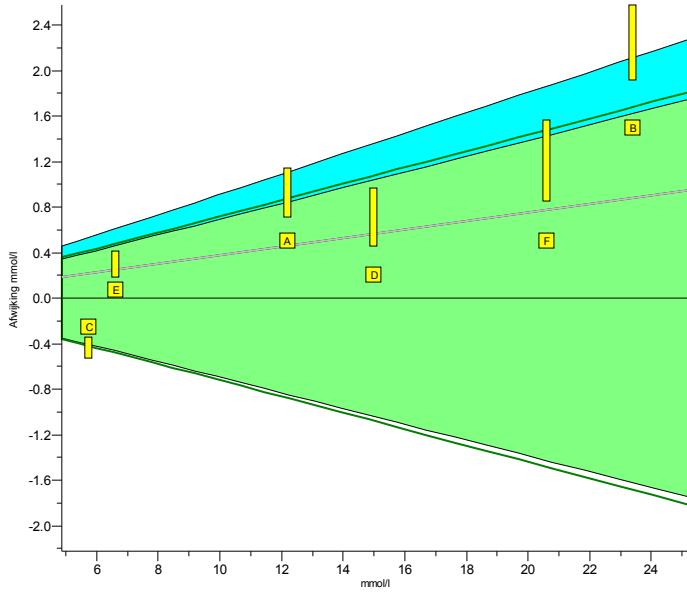
	cons.	meth.	ref.	lab
mean	123.4	123.4	123.6	130
SD	10.7	10.7		
n	73	73		
no	1	1		


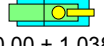
Legend
 IFCC traceable
 IFCC non-traceable

INPUTS 2013.1

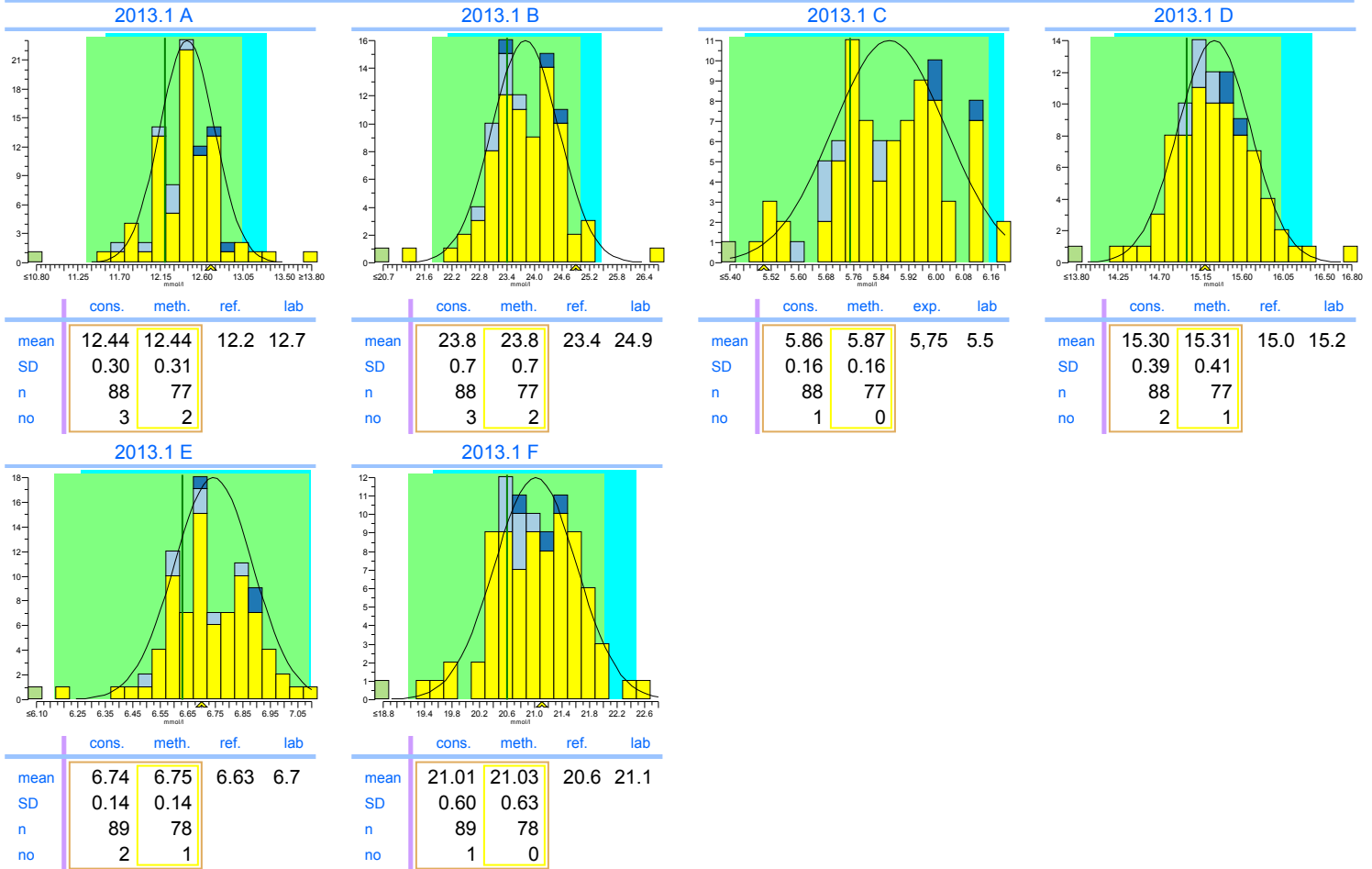
Glucose

units: mmol/l



	2013.1	cumulative
Trueness	+3.0%	+3.0%
Precision	3.0%	3.0%
Number	6	6
Outliers	0	0
Sigma-TE	3.5	3.5
Sigma-SA	3.7	3.7
Score pictogram		
Regression line	$0.00 + 1.038.x$	$0.00 + 1.038.x$

Consensus group: Natte chemie
Method: Hexokinase, automatic



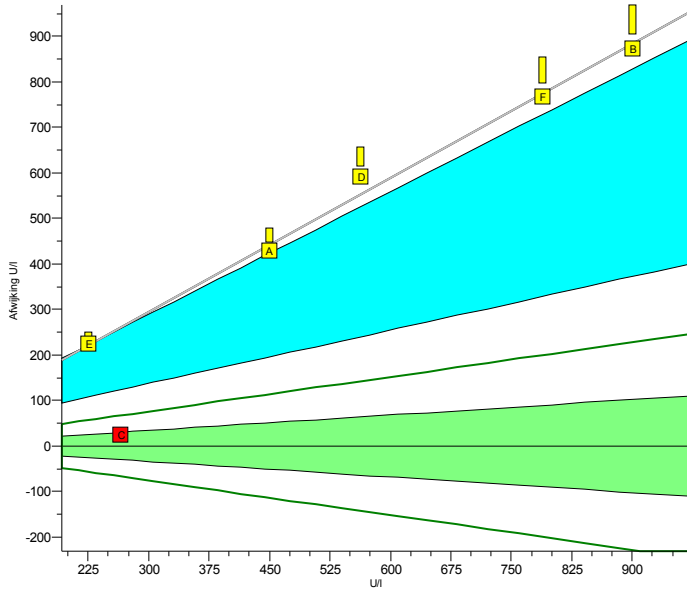
Legend

- Hexokinase, automatic
- Glucose-oxidase, amperometric, H2O2
- Glucose-oxidase/POD, automatic
- Other methods

INPUTS 2013.1

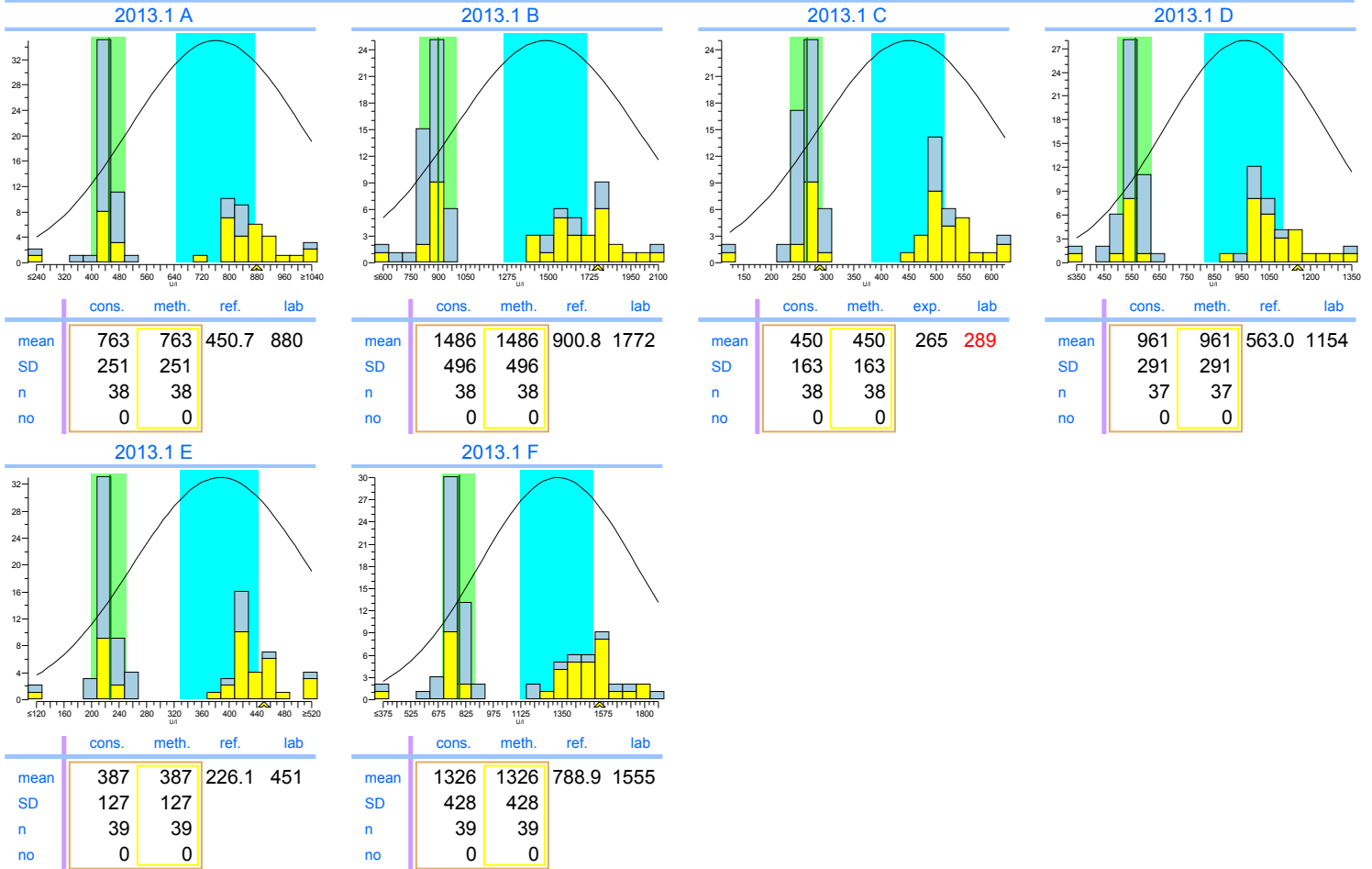
LD

units: U/I



	2013.1	cumulative
Trueness	+98%	+98%
Precision	1.8%	1.8%
Number	6	6
Outliers	1	1
Sigma-TE	-2.1	-2.1
Sigma-SA	-0.8 0	-0.8 0
Score pictogram		
Regression line	$0 + 1.981.x$	$0 + 1.981.x$

Consensus group niet IFCC traceerbaar
Method IFCC non-traceable



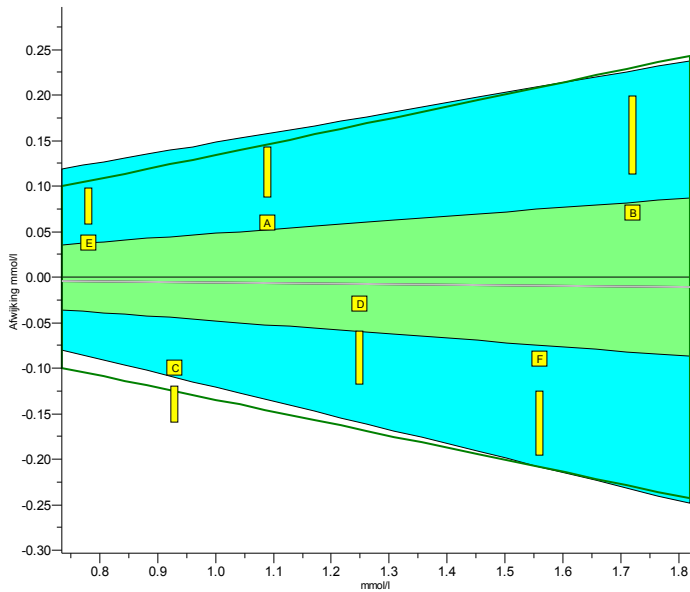
Legend



 IFCC non-traceable IFCC traceable

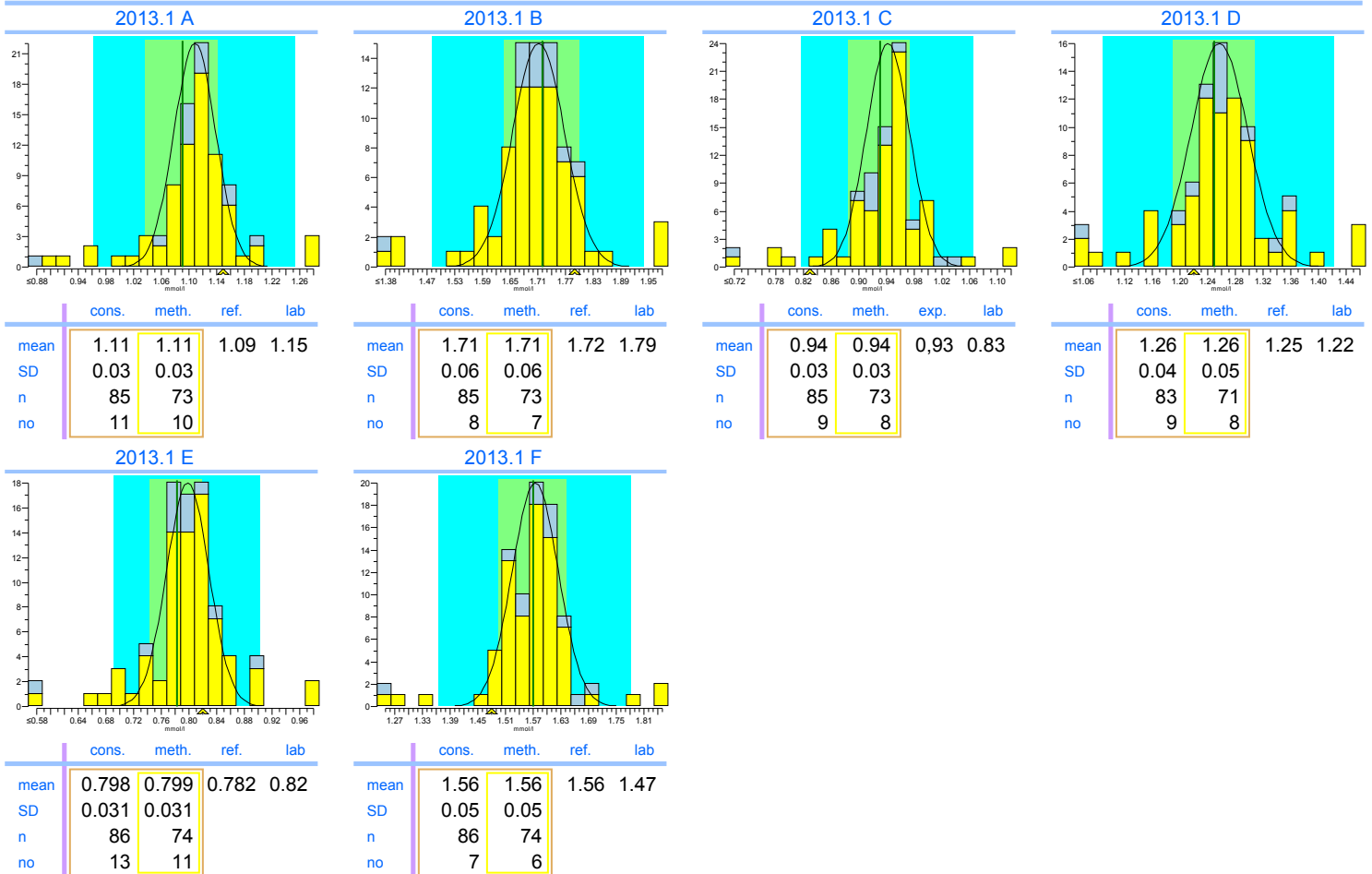
INPUTS 2013.1

Magnesium

units: mmol/l



	2013.1	cumulative
Trueness	-0.71%	-0.71%
Precision	6.3%	6.3%
Number	6	6
Outliers	0	0
Sigma-TE	0.4	0.4
Sigma-SA	4.8 2	4.8 2
Score pictogram		
Regression line	$0.00 + 0.994.x$	$0.00 + 0.994.x$
Consensus group	Overall	
Method	Colorimetric	



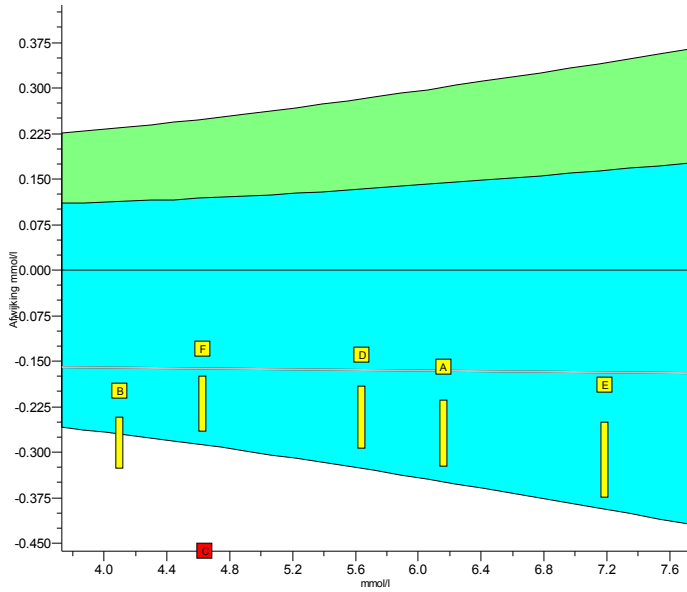
Legend



INPUTS 2013.1

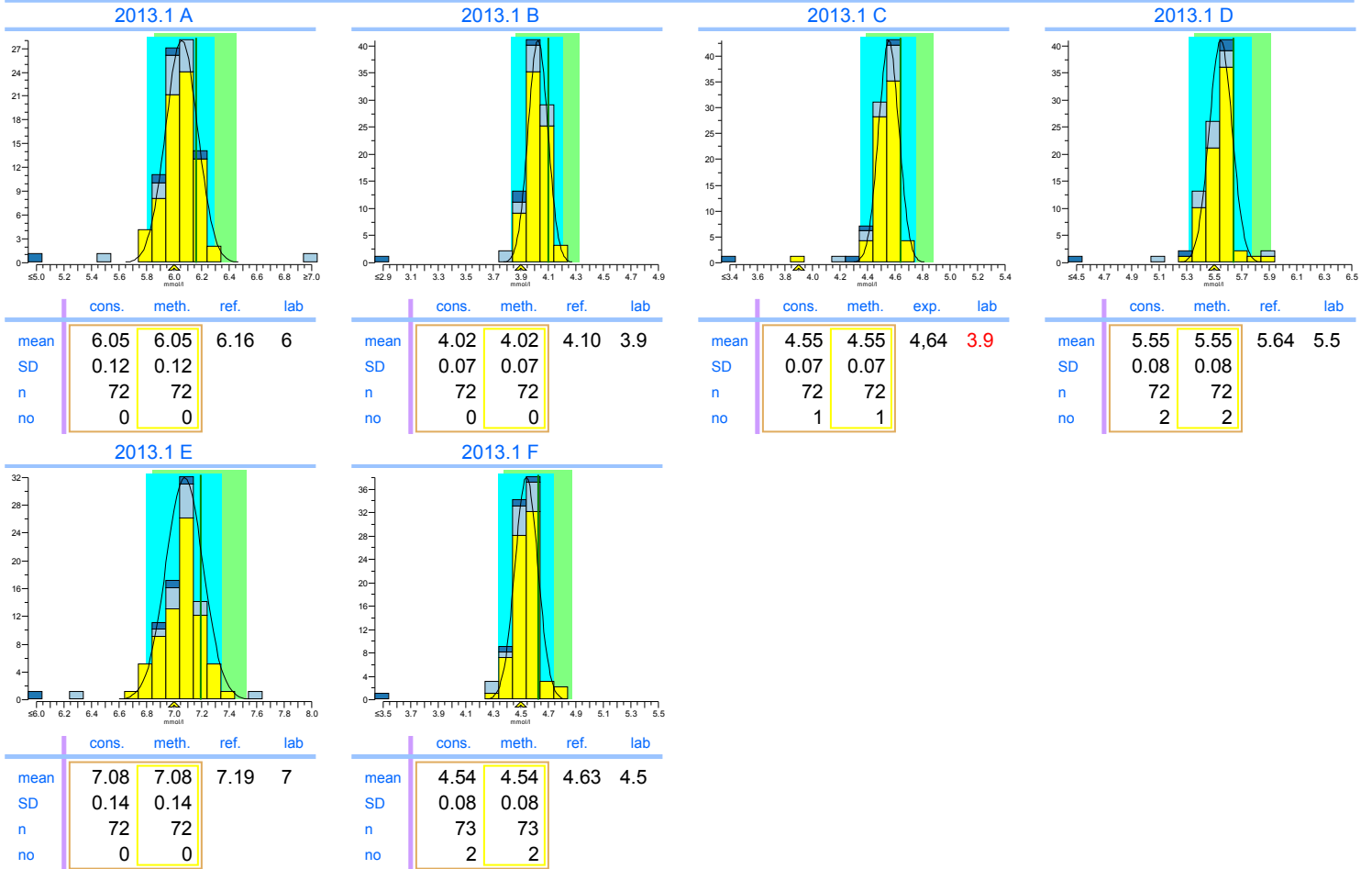
Potassium

units: mmol/l



	2013.1	cumulative
Trueness	-3.0%	-3.0%
Precision	0.75%	0.75%
Number	6	6
Outliers	1	1
Sigma-TE	2.4	2.4
Sigma-SA	1.4	1.4
Score pictogram		
Regression line	$-0.15 + 0.997.x$	$-0.15 + 0.997.x$

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



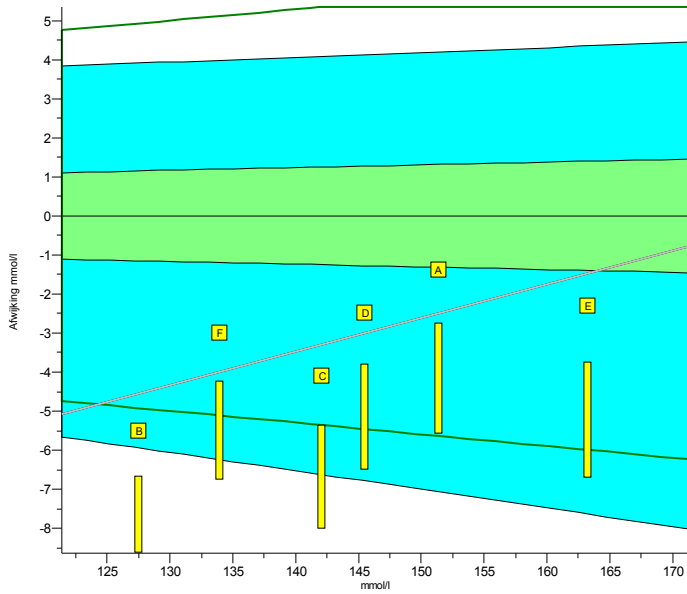
Legend

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

INPUTS 2013.1

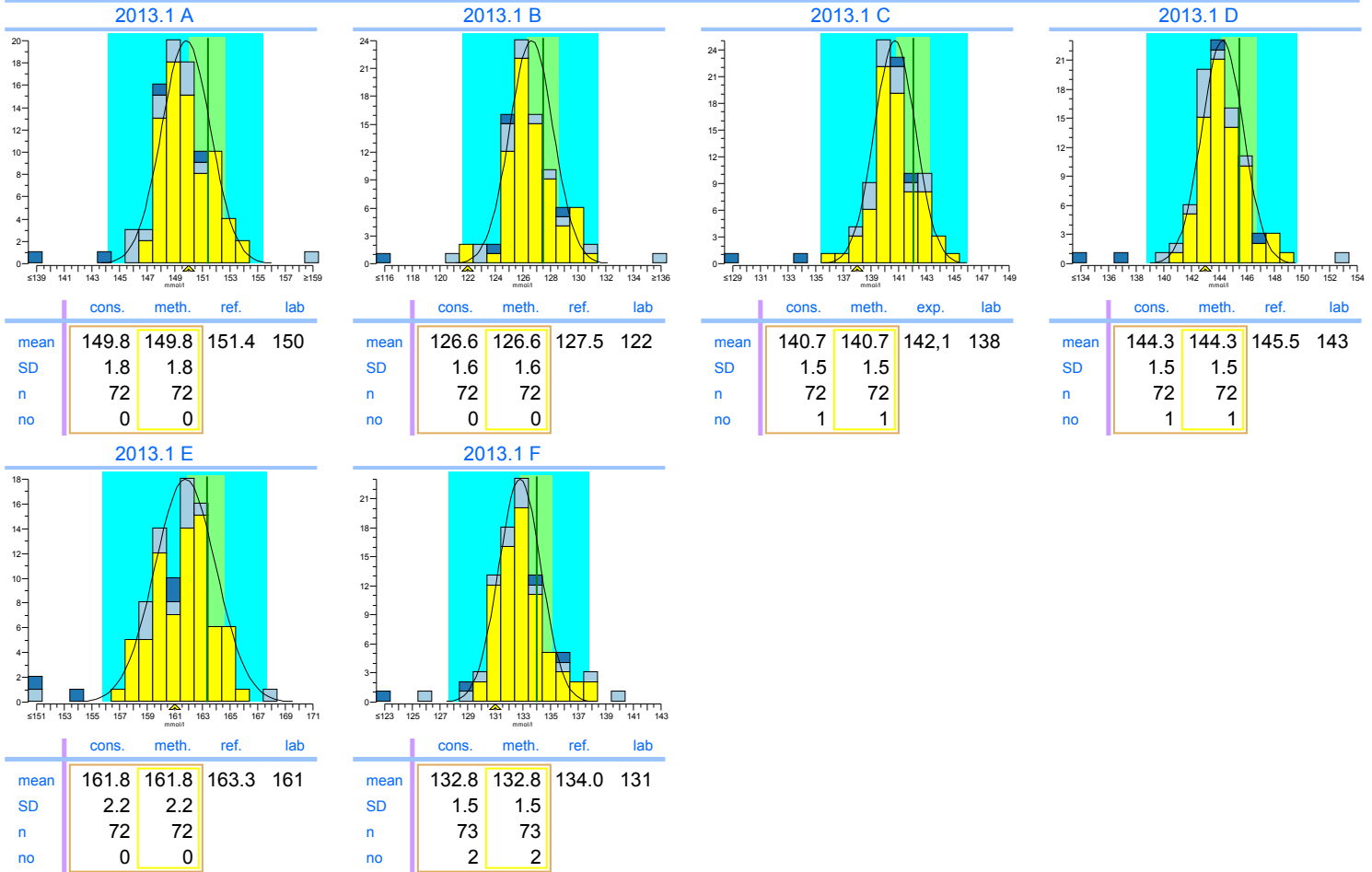
Sodium

units: mmol/l



	2013.1	cumulative
Trueness	-2.2%	-2.2%
Precision	0.75%	0.75%
Number	6	6
Outliers	0	0
Sigma-TE	-0.9	-0.9
Sigma-SA	2.8 1	2.8 1
Score pictogram		
Regression line	$-15.5 + 1.086.x$	$-15.5 + 1.086.x$

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



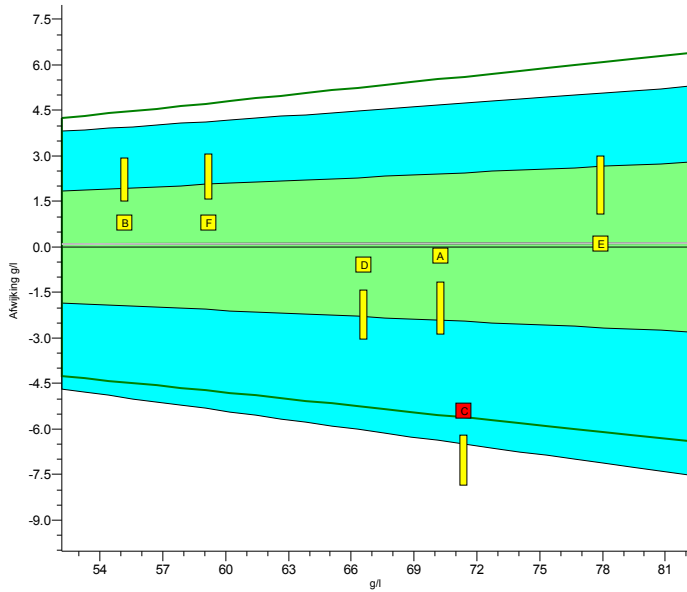
Legend

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

INPUTS 2013.1

Total Protein

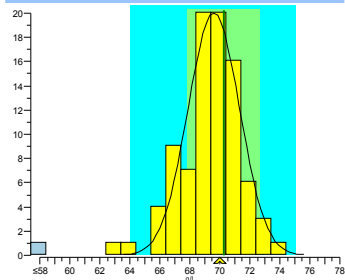
units: g/l



	2013.1	cumulative
Trueness	+0.24%	+0.24%
Precision	1.0%	1.0%
Number	6	6
Outliers	1	1
Sigma-TE	2.3	2.3
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 1.002.x$	$0.0 + 1.002.x$

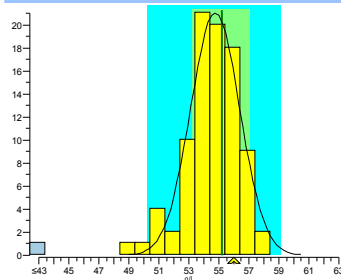
Consensus group: Biureet
Method: Biurete, automatic

2013.1 A



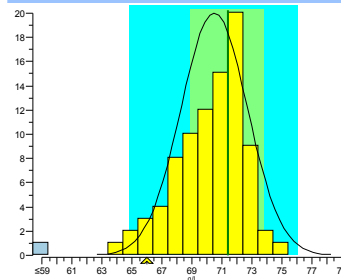
	cons.	meth.	ref.	lab
mean	69.6	69.6	70.3	70
SD	1.7	1.7		
n	88	88		
no	2	2		

2013.1 B



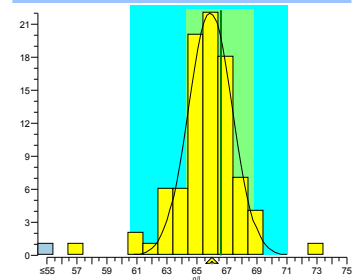
	cons.	meth.	ref.	lab
mean	54.8	54.8	55.2	56
SD	1.6	1.6		
n	88	88		
no	1	1		

2013.1 C



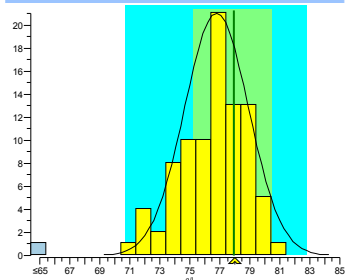
	cons.	meth.	exp.	lab
mean	70.5	70.5	71.4	66
SD	2.2	2.2		
n	87	87		
no	0	0		

2013.1 D



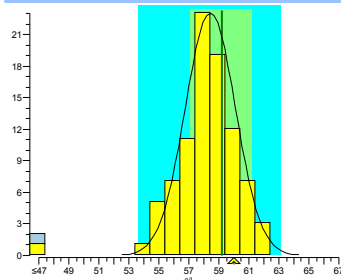
	cons.	meth.	ref.	lab
mean	65.9	65.9	66.6	66
SD	1.5	1.5		
n	88	88		
no	4	4		

2013.1 E



	cons.	meth.	ref.	lab
mean	76.8	76.8	77.9	78
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	60
SD	1.7	1.7		
n	89	89		
no	1	1		

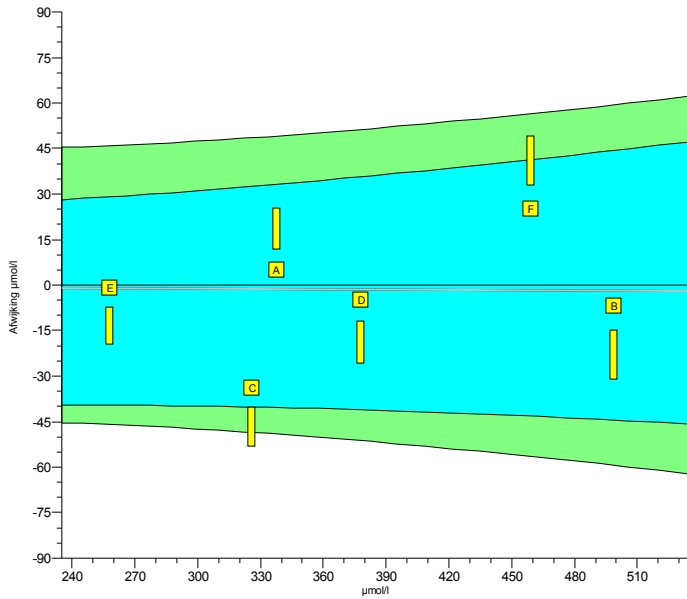
Legend

Biurete, automatic Other methods

INPUTS 2013.1

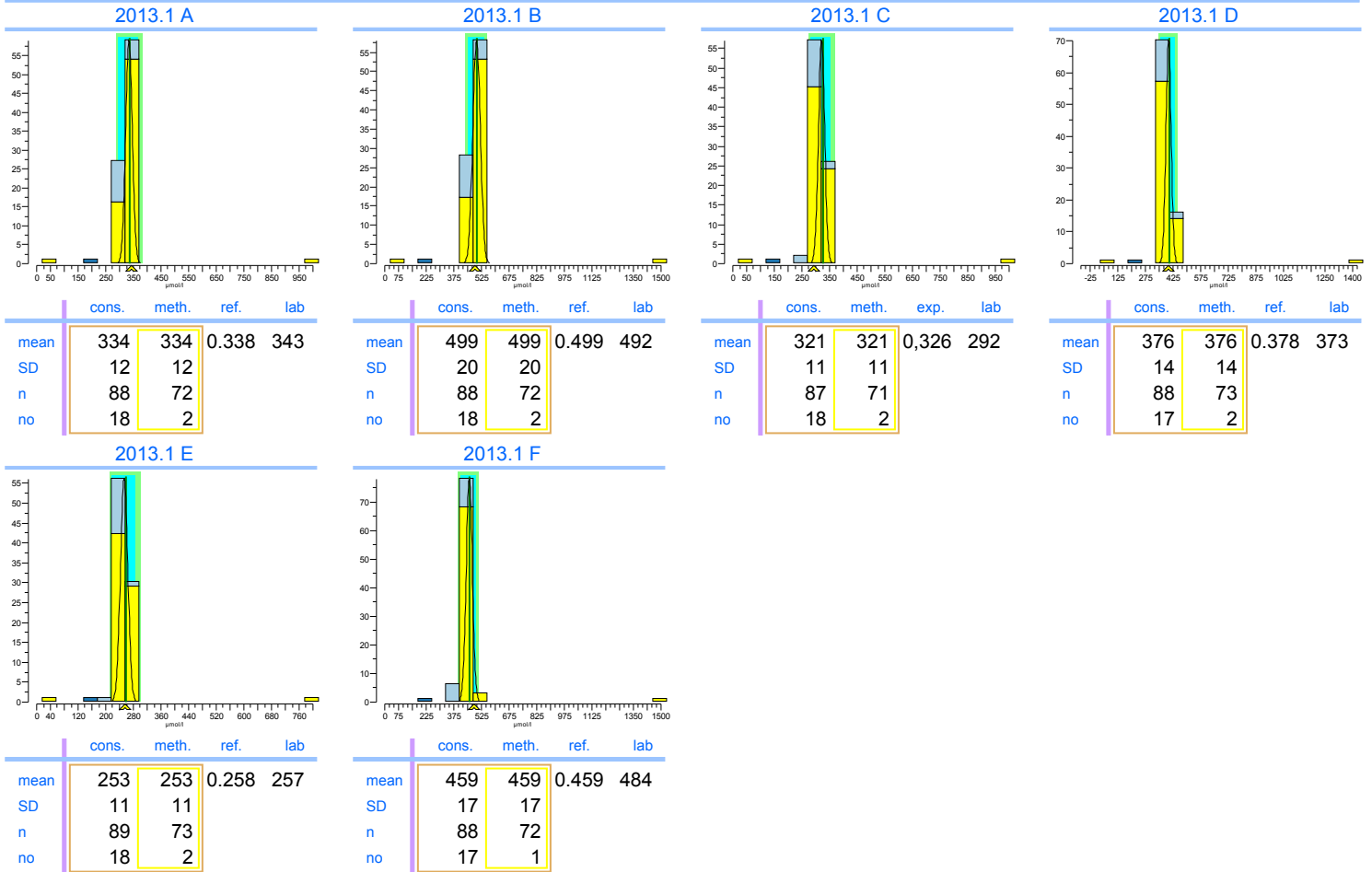
Urate

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



	2013.1	cumulative
Trueness	-0.75%	-0.75%
Precision	4.8%	4.8%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.3	5.3
Score pictogram		
Regression line	$0 + 0.996.x$	$0 + 0.996.x$

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



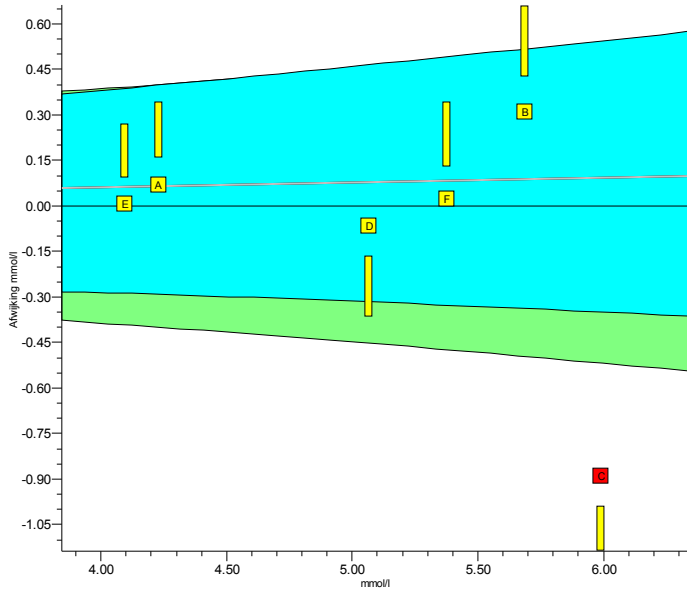
Legend

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

INPUTS 2013.1

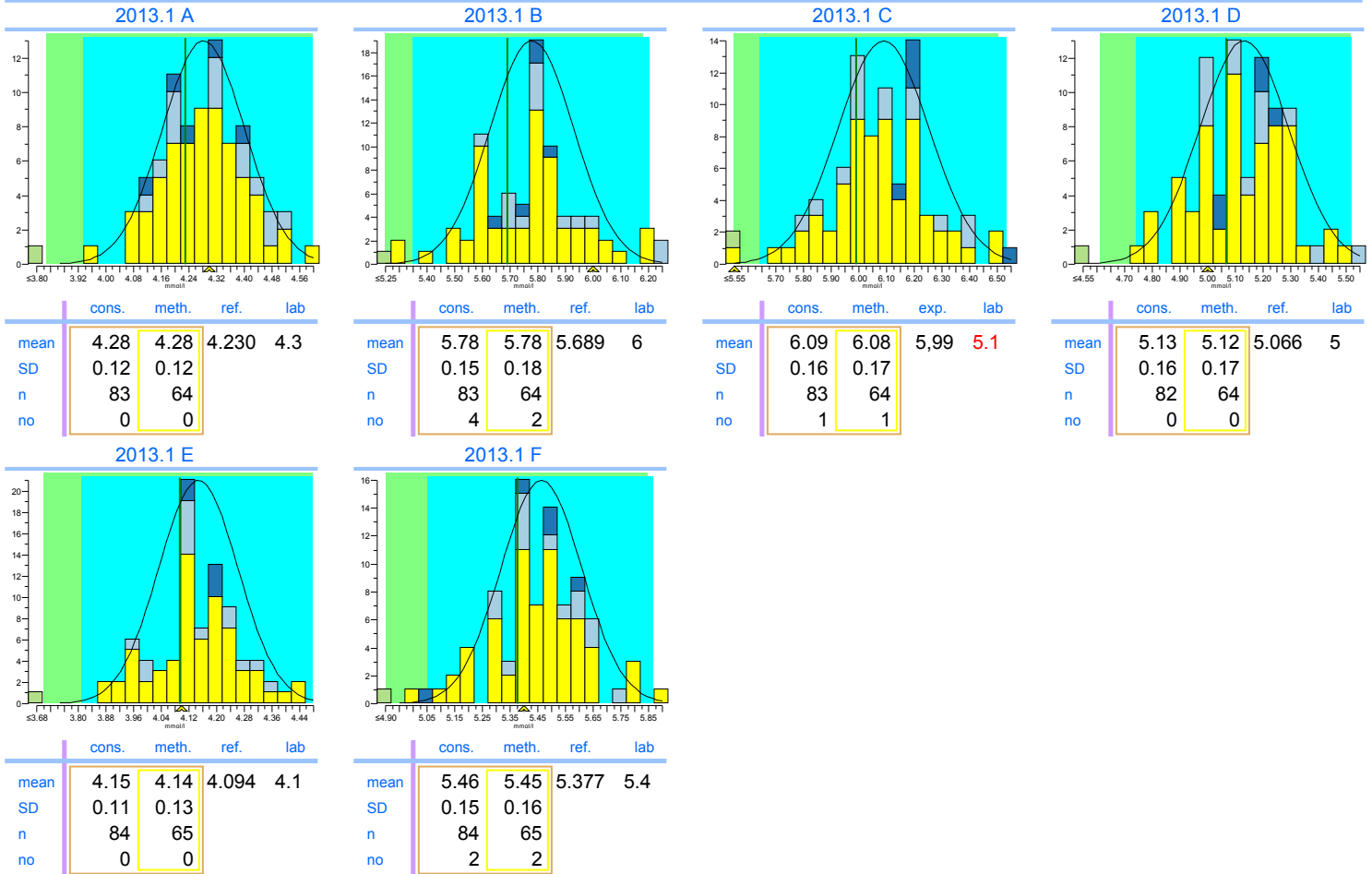
Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	+1.4%	+1.4%
Precision	2.7%	2.7%
Number	6	6
Outliers	1	1
Sigma-TE	3.8 ■	3.8 ■
Sigma-SA	3.2	3.2
Score pictogram		
Regression line	$0.00 + 1.015 \cdot x$	$0.00 + 1.015 \cdot x$

Consensus group: Enzymatisch
Method: Enzymatic, automatic, discrete



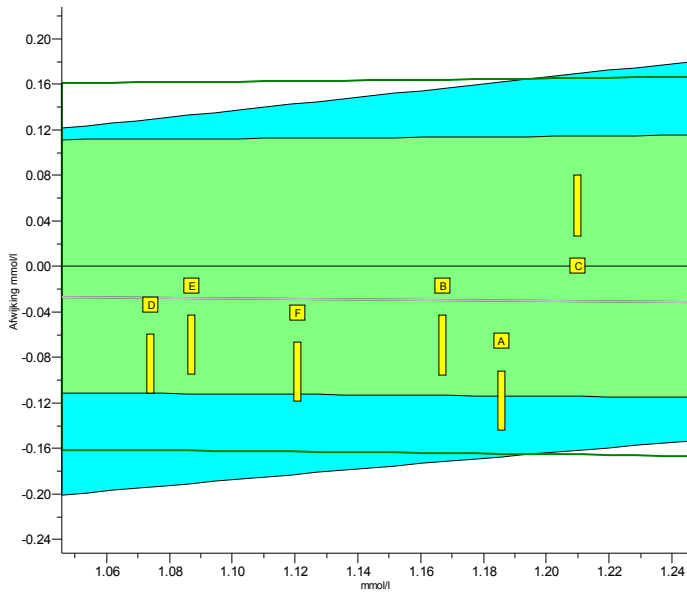
Legend



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

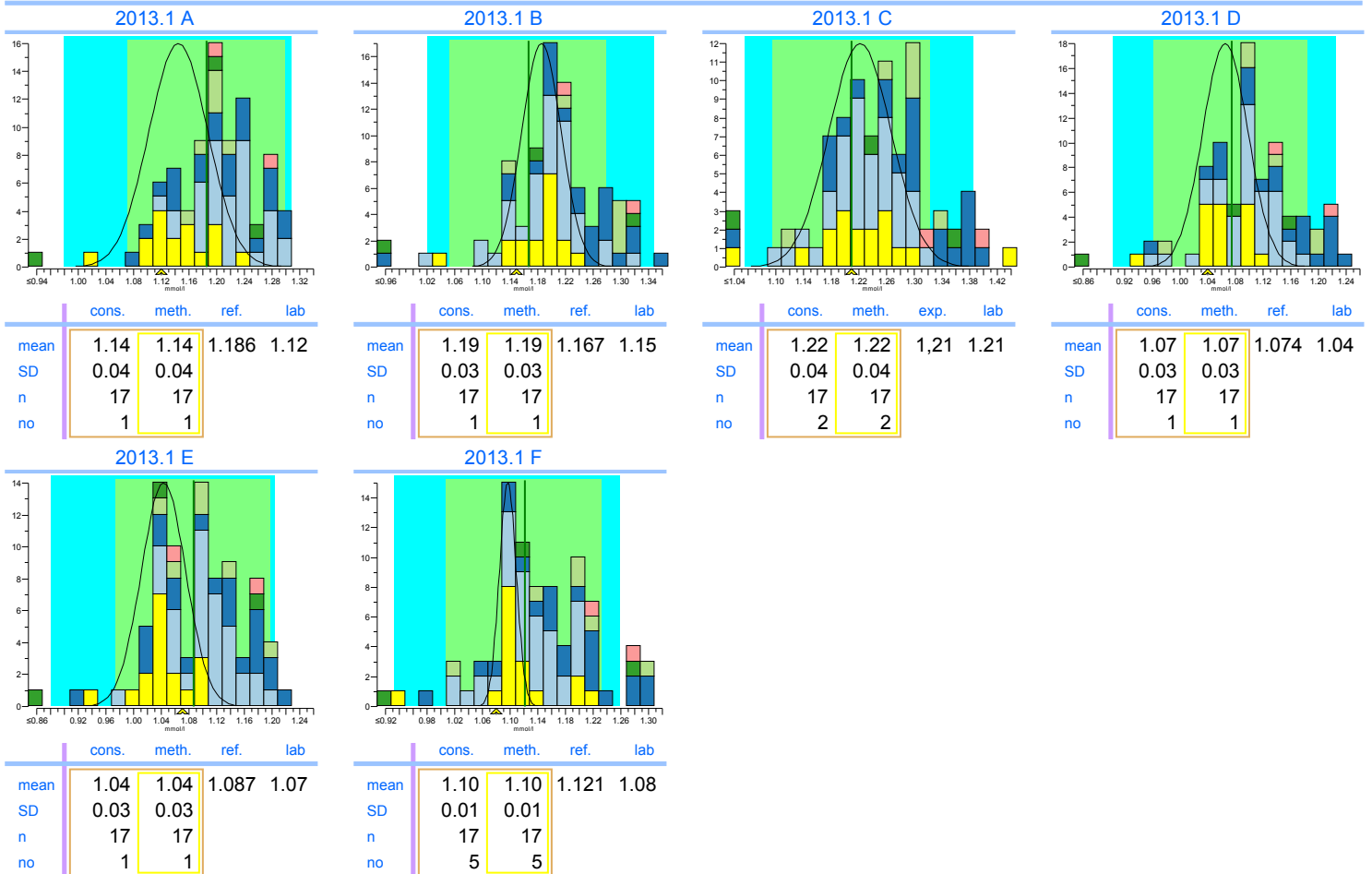
INPUTs 2013.1

HDL-Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	-2.6%	-2.6%
Precision	1.9%	1.9%
Number	6	6
Outliers	0	0
Sigma-TE	4.7	4.7
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	<u>0.00 + 0.975.x</u>	<u>0.00 + 0.975.x</u>
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