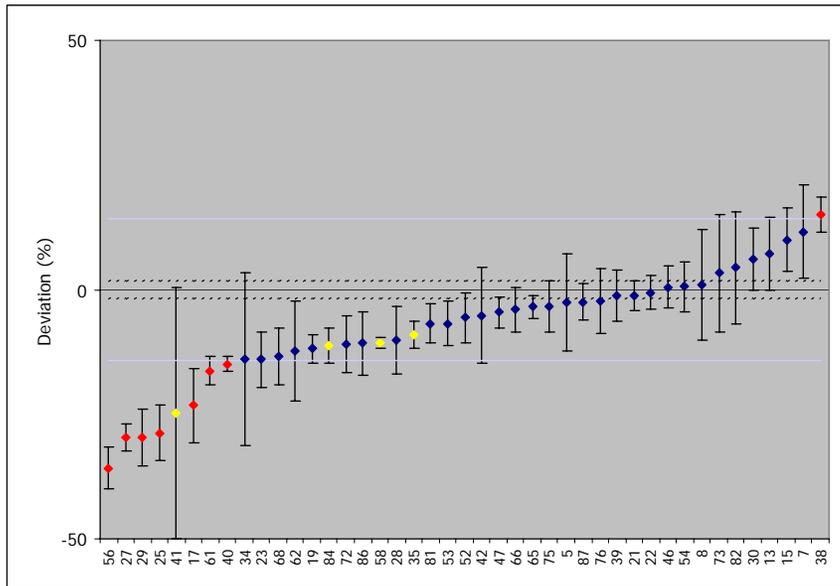


Beta B1 samples 2008



Arvic Harms
National Physical Laboratory
27 January 2009

Radionuclides in B1

3 nuclides:

^3H , ^{14}C and ^{99}Tc

29 participants and 64 results

B1 composition (Bq g⁻¹)

	NPL	Labs	<i>t</i> -test	Ratio
³ H	0.925(7)	0.910(8)	-1.55	0.98
¹⁴ C	0.702(5)	0.718(9)	1.63	1.02
⁹⁹ Tc	1.612(4)	1.583(17)	-1.64	0.98

Results

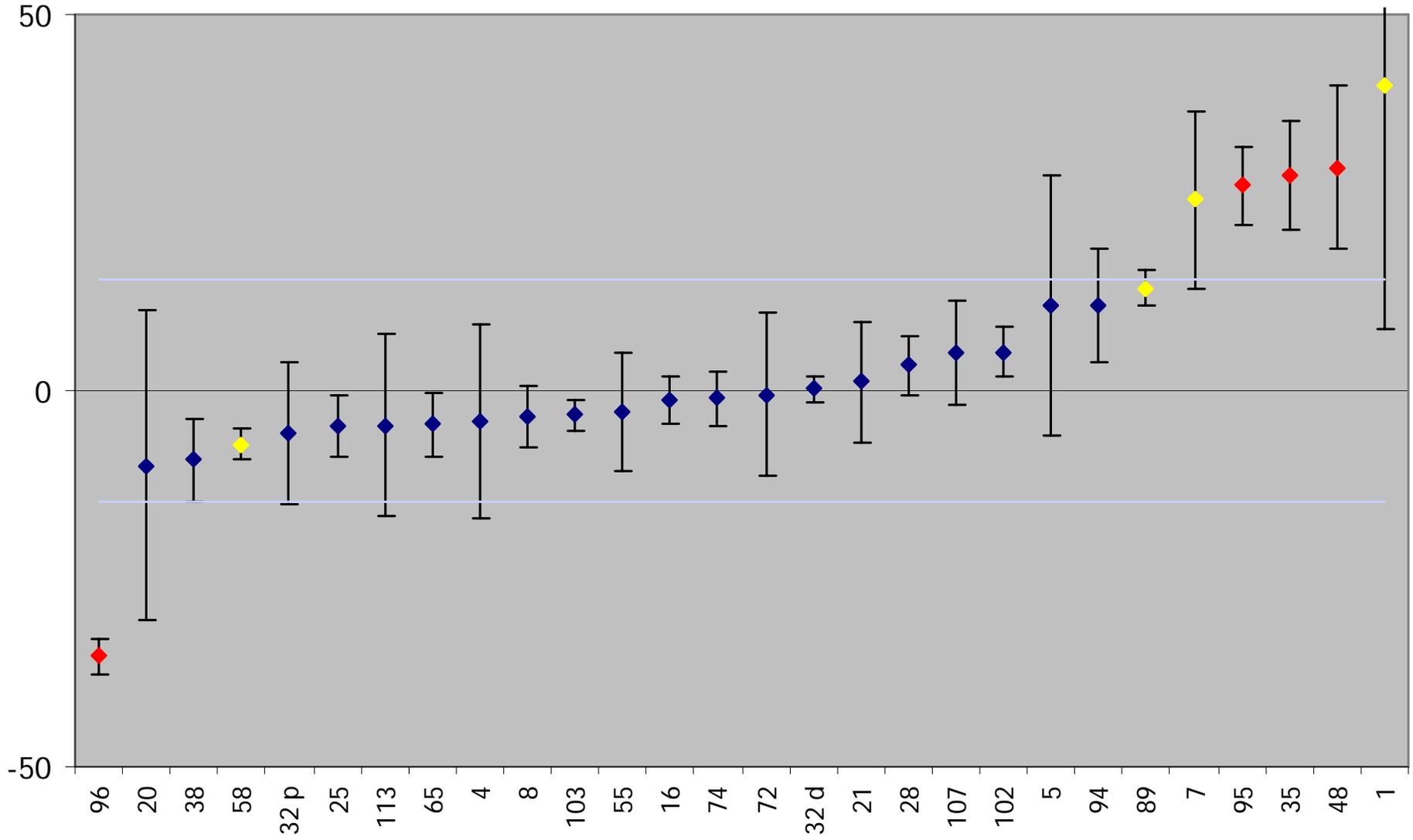
In agreement:

^3H	71%
^{14}C	55%
^{99}Tc	93%

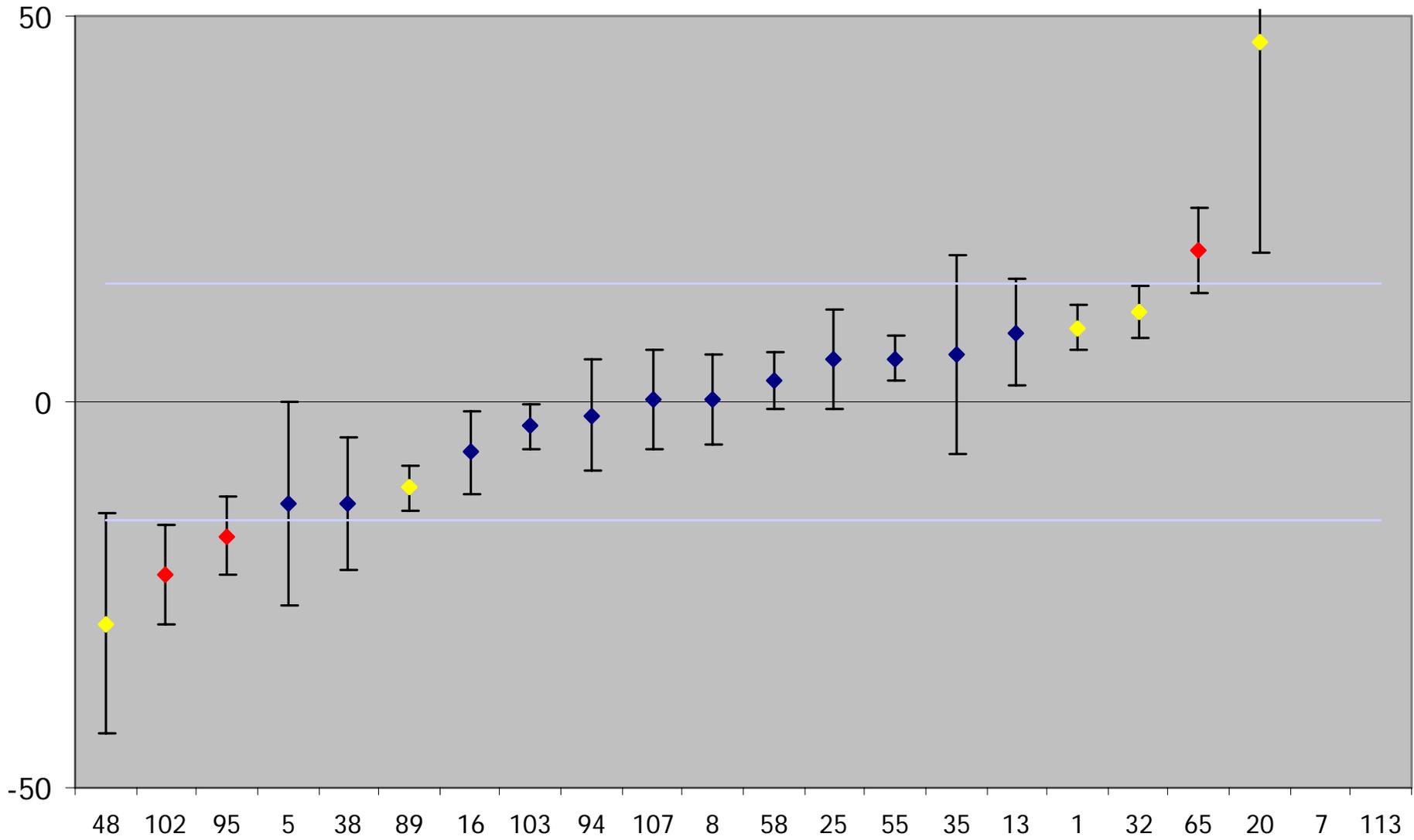
B1 total

70%	'in agreement'
16%	'questionable'
14%	'discrepant'

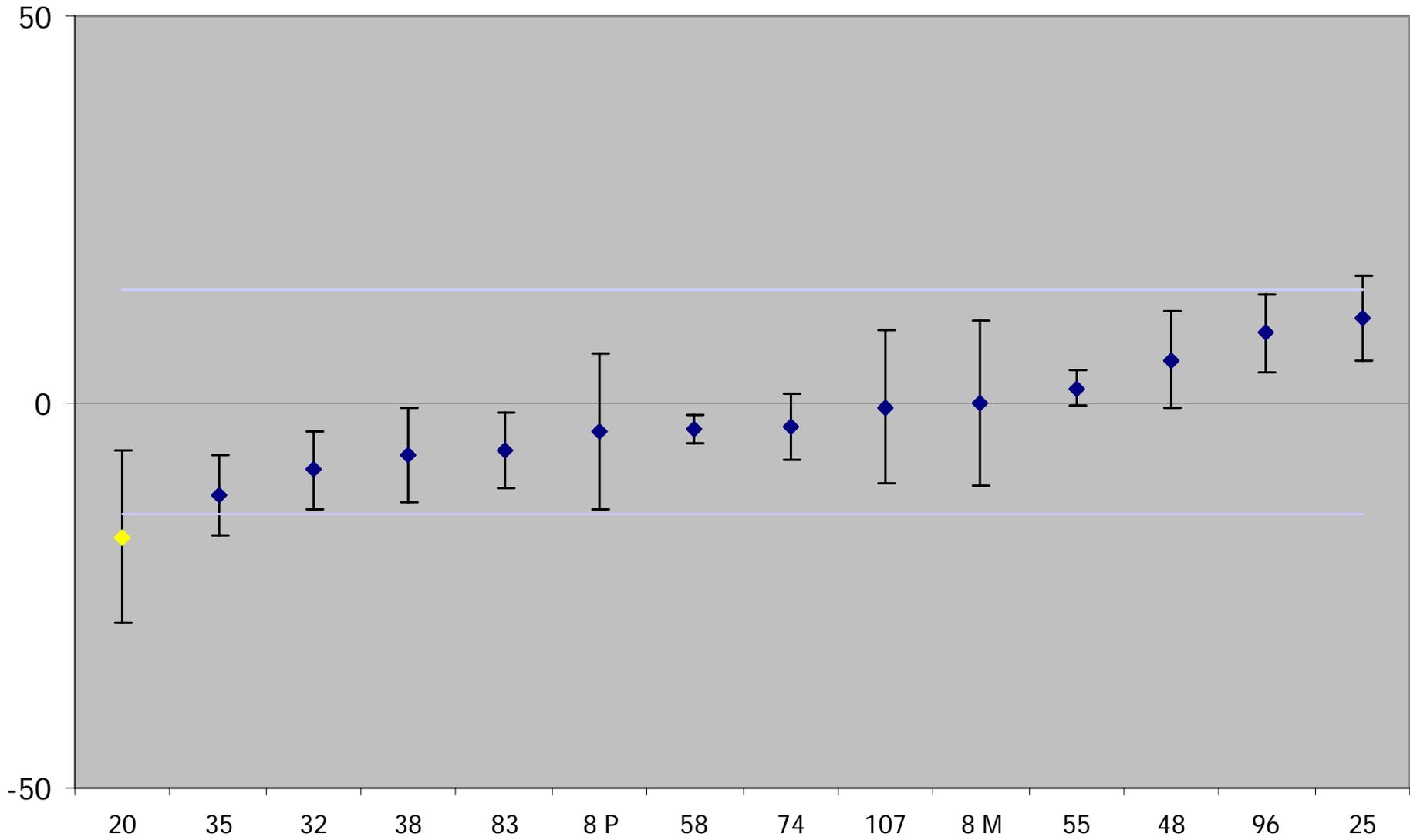
Deviation (%) H-3 B1



Deviation (%) C-14 B1



Deviation (%) Tc-99 B1



Thank you