

8. Results

Assigned Value and Target Standard Deviation						
analyte	assigned value				target standard deviation	
	data points, n	robust mean, \bar{X} , $\mu\text{g/kg}$	robust standard deviation, σ	uncertainty, u	derived from	σ_p , $\mu\text{g/kg}$
Ethephon	19	150	16	3,67	Horwitz	32

Table 2: Assigned Value and Target Standard Deviation

laboratory code	Ethephon (assigned value 150 $\mu\text{g/kg}$) spiked level: 150 $\mu\text{g/kg}$			
	result ($\mu\text{g/kg}$)	recovery (%)	LoQ ($\mu\text{g/kg}$)	z-score
1a	159	110	30	0,3
1b	142	103	30	-0,3
2	136	95-100	1	-0,4
3	154	91	10	0,1
4	175	109	40	0,8
5	137	90,2	50	-0,4
6*	134	54	10	-0,5
7	150	92-96	10	0,0
8	175	100	10	0,8
9a*	144	15	50	-0,2
9b	131	102	50	-0,6
10	195	93	100	1,4
11	180	95	50	0,9
12a	152	70-110	50	0,1
12b	145	70-110	10	-0,2
13	145	105	10	-0,2
14	140	96	10	-0,3
15a	165	100,6	25	0,5
15b	135	100,6	25	-0,5

a / b: Results of the same participants but achieved by application of different methods

*6 = corrected result to 95% recovery

*9a = corrected result to 100% recovery

Table 3: Results and z-scores

Ethephon

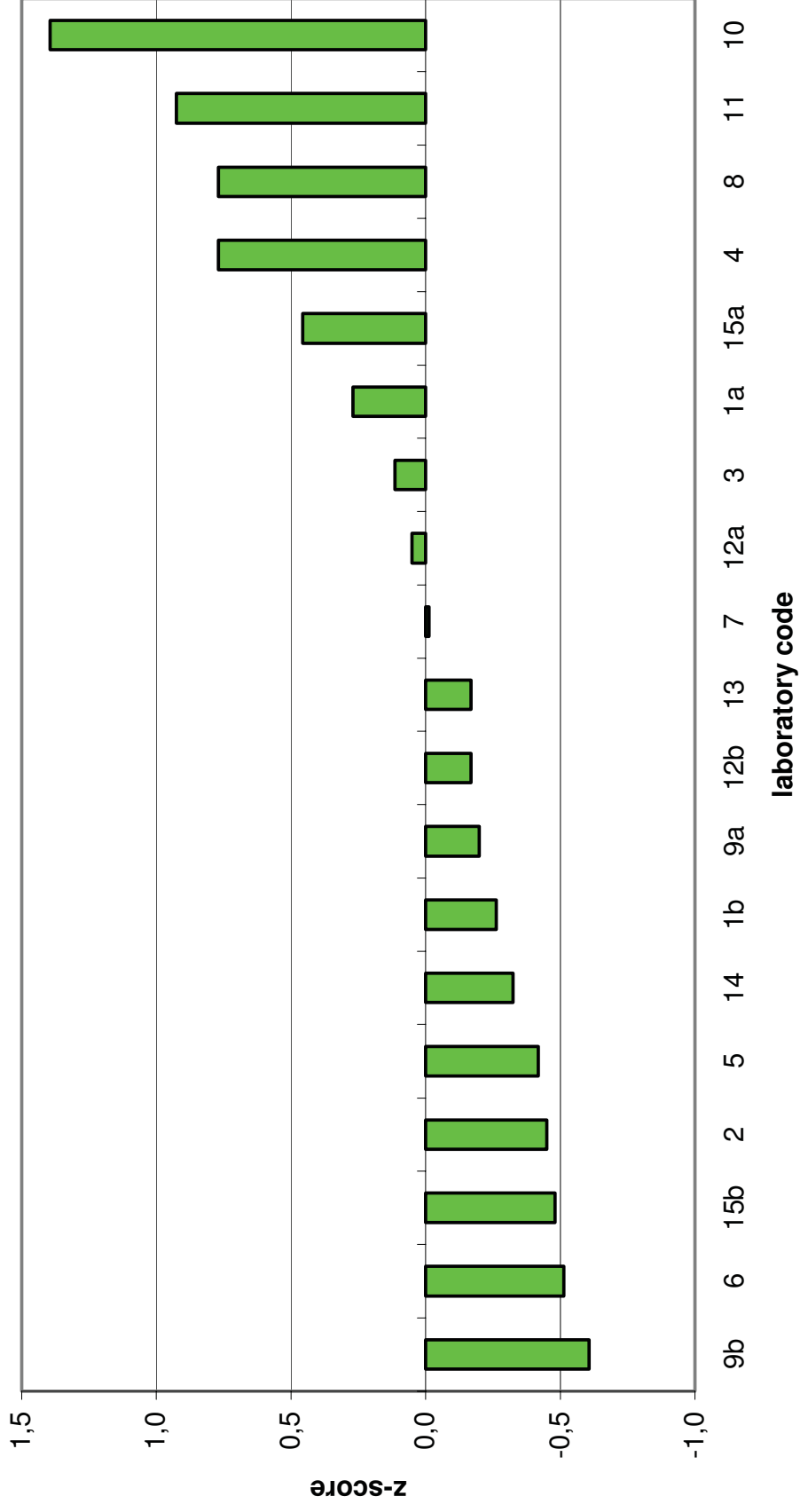


Figure 1: z-scores