

Table 1: Results and z-Scores for Breakfast Cereal Test Material

laboratory number	analyte			
	acrylamide assigned value 279 µg/kg			
	result µg/kg	internal standard used Y/N?	recovery % / applied Y/N?	z-score
001	273	y		-0.1
002	266	Y	92 N	-0.2
003	284	Y		0.1
004	258	Y	104 No	-0.4
005	373	N	93 %; N	1.7
006	255	Y		-0.4
007	285	Y		0.1
008	330	y		0.9
009	285	Y	N	0.1
010	272	Y	N	-0.1
011	295	y	n	0.3
012	290	Y	99% N	0.2
013	274	Y	N/A	-0.1
014	236	Y		-0.8
015	280	Y	93% Y	0.0
016	260.7	Y		-0.3
017	326	Y	N	0.9
018	275	Y		-0.1
019	292.7	Yes		0.3
020	280	Y		0.0
021	60.7	Y	79.3 (N)	<b>-4.0</b>
022	297	Y		0.3
023	289	y		0.2
024	142.0	Y		<b>-2.5</b>
025	877.5	Y	N	<b>11.1</b>
026	218	Y	N	-1.1
027	280	Y	N	0.0
028	382	Y	N	1.9

internal standard used Y/N? = acrylamide labelled internal standard added at the outset, yes or no? (as reported via results form or electronic submission)  
recovery % / applied Y/N ? = recovery (%) and whether or not the recovery was applied to the result (as reported via results form or electronic submission)  
**bold text** = z-scores outside the satisfactory range, i.e. |z| > 2

Table 2: Assigned Value and Target Standard Deviation

analyte	assigned value, µg/kg				target standard deviation, µg/kg	
	data points <i>n</i>	robust mean $\hat{X}$	robust standard deviation $\hat{\sigma}$	uncertainty <i>u</i>	derived from	$\sigma_p$
acrylamide	27	279	31.8	6.11	Horwitz*	54.0

\*see page 6 for appropriate form of the Horwitz equation

Table 3: Number and Percentage of Satisfactory z-Scores

analyte	number of satisfactory scores $ z  \leq 2$	total number of scores	satisfactory %
acrylamide	25	28	89