

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

laboratory number	analyte		
	ZON		
	assigned value	69.9 µg/kg	
	result µg/kg	recovery %	z-score
001	50.7	79	-1.2
002	93.17	96.0	1.5
003	69.5	86	0.0
004	60	102	-0.6
005	102.7	84	2.1
006	84	not corrected	0.9
007	75	uncorr	0.3
008	72	107	0.1
009♦	56.39	uncorr	-0.9
010	69.8	95.3	0.0
011	29.2	S	-2.6
012	85	95	1.0
013	60	100	-0.6
014	71.3	87.8	0.1
015	87.93	93.87	1.2
016	87	86	1.1
017	69	90.8	-0.1
018	52.1	100	-1.2
019	67.8	106,7	-0.1
020	90	94	1.3
021	65.1	97	-0.3
022	82	94	0.8
023	70.5	95	0.0
024	60	80.0	-0.6
025	88.4	66.5	1.2

uncorr = participant did not state recovery S = participant used internal standard
z-Scores outside the satisfactory range i.e. $|z| > 2$ are shown in **bold**.

Participant comment:

♦ = Sample was too highly contaminated for spiking to be practical hence no figure for %R

Table 1 (Continued): Results and z-Scores for ZON in Breakfast Cereal Test Material

laboratory number	analyte		
	ZON		
	assigned value	69.9 µg/kg	
	result µg/kg	recovery %	z-score
026	59	84	-0.7
027	48	89	-1.4
028	74.30	92.55	0.3
029	70.45	100	0.0
030	89.6	80.4	1.3
031	71	87	0.1
032	71.3	88	0.1
033	50	96	-1.3
034	77.4	95	0.5
035	75	100 S	0.3
036	49.45	99.16	-1.3
037	58.18	112	-0.8
038	98	90	1.8
039	63.3	101.9	-0.4
040	70.7	98.2	0.1
041	100.5	uncorr	2.0
042	50	100	-1.3
043	83	48	0.9
044	70	113.2	0.0
045	69	114	-0.1
046	51.71	80	-1.2
047	68.7	95	-0.1
048	63.7	99.4	-0.4
049	83	100% S	0.9
050	68.79	100.30	-0.1

uncorr = participant did not state recovery

S = participant used internal standard

z-Scores outside the satisfactory range i.e. $|z| > 2$ are shown in **bold**.

Table 1 (Continued): Results and z-Scores for ZON in Breakfast Cereal Test Material

laboratory number	analyte		
	ZON		
	assigned value	69.9 µg/kg	
	result µg/kg	recovery %	z-score
051	61.9	100	-0.5
052	66.2	90.6	-0.2
053	52.3	91.8	-1.1
054	64.0	90	-0.4
055	72.8	98.8	0.2
056	81.0	70	0.7
057	69.5	80.3	0.0
058	103.9	84	2.2
059	50	100	-1.3
060	35	100	-2.3
061	69.5	uncorr	0.0
062	62.6	70	-0.5
063	69.2	96.7	0.0
064	73.5	100	0.2
065	54	113	-1.0
066	59.46	91	-0.7
067	57.9	uncorr	-0.8
068	64.68	85.57	-0.3
069	118	90	3.1
070	83.9	99	0.9
071	130	uncorr	3.9
072	66.87	109	-0.2
073	65.8	uncorr	-0.3
074	66.18	110	-0.2
075	61.5	uncorr	-0.5

uncorr = participant did not state recovery
z-Scores outside the satisfactory range i.e. $|z| > 2$ are shown in **bold**.

Table 1 (Continued): Results and z-Scores for ZON in Breakfast Cereal Test Material

laboratory number	analyte		
	ZON		
	assigned value	69.9 µg/kg	
	result µg/kg	recovery %	z-score
076	60.6	99.6	-0.6
077	70.3	93	0.0
078	79.9	98	0.7
079	115	64	2.9
080	80.4	90.1	0.7
081	140.08	92.2	4.6
082	45	80	-1.6
083	68	90	-0.1
084	80	uncorr	0.7
085	42.0	uncorr	-1.8
086	64.0	94.4	-0.4
087	116	100	3.0
088	78.4	75	0.6
089	74.5	98.2	0.3
090	78.3	92.2	0.5
091	58.56	85.07	-0.7
092	82.21	uncorr	0.8
093	61.8	87	-0.5
094	75.5	100	0.4
095	25.48	80.00	-2.9
096	76	66	0.4
097	29.76	88	-2.6
098♦	98.22	uncorr	1.8
099	351.1	80	18.3
100	70	90	0.0

uncorr = participant did not state recovery

z-Scores outside the satisfactory range i.e. $|z| > 2$ are shown in **bold**.

Participant comments:

♦ = Test runned whitout addition (sic)

Table 2: Assigned Values and Target Standard Deviations

analyte	assigned value, $\mu\text{g}/\text{kg}$		target standard deviation, $\mu\text{g}/\text{kg}$			
	data points, n	robust mean, \hat{X}	robust standard deviation, $\hat{\sigma}$	uncertainty, u	derived from	σ_p
ZON	87	69.9	15.34	1.64	Horwitz*	15.37

* see page 7 for the 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 %
ZON	87	99	88