

Table 1: Results and z-Scores for Pig Kidney Test Material

laboratory number	analyte							
	AOZ (bound) assigned value 0.71 µg/kg				AOZ (total) assigned value 2.26 µg/kg			
	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score
001	#				3.2	Y	0.6	1.9
002	#				1.57	Y	0.5	-1.4
003	#				1.73	Y M	1.0	-1.1
004	0.59	Y	0.50	-0.7	1.78	Y	0.50	-1.0
005	#				2.3	Y	0.2	0.1
006	#				1.95	y	1	-0.6
007	#				2.49	Y	0.1	0.5
008	#				2.64	Y	0.1●	0.8
009	#				1.62	Y M	0.5	-1.3
010	0.92	Y	0.7	1.4	2.3	Y	0.7	0.1
011	#				2.76	Y	0.25	1.0
012	0.6	Y	0.12□	-0.7	#			
013	#				2.1	N	0.5	-0.3
014	#				2.80	Y M	0.5	1.1
015	#				2.5	Y M	0.13	0.5
016	#				2.46	Y	0.1	0.4
017	#				2.37	Y	0.1	0.2
018	#				1.57	y	0.01	-1.4
019	#				2.4	95.9	1	0.3
020	#				3.0	75.3	1	1.5
021	0.66	100 M	0.3	-0.3	2	100 M	0.3	-0.5
022	♠ #				1.8	y	0.5	-0.9
023	0.50	Y	0.17	-1.3	#			
024	#				2.50	Y	0.3	0.5

int. std. = internal standard

# = not analysed

M = matrix-based calibration used

□ = CCα

● = CCB

♠ = participant's comment: AHD (total) around LOD (0.5)

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

Table 1 (continued): Results and z-Scores for Pig Kidney Test Material

laboratory number	analyte							
	AOZ (bound) assigned value 0.71 µg/kg				AOZ (total) assigned value 2.26 µg/kg			
	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score
025	0.51	102 M	0.5	-1.3	1.3	107 M	0.5	-1.9
026	#				2.18	Y	0.3	-0.2
027	0.41	Y	0.03	-1.9	1.83	Y	0.10	-0.9
028	#				2.79	Y	0.30	1.1
029	#				0.74	Y M	0.2	<b>-3.1</b>
030	#				2.5	y	1.0	0.5
031	#				3.5	Y	1.0	<b>2.5</b>
032	#				2.4	107.4	1	0.3
033	#				3.0	Y	1.0	1.5
034	0.92	Y M	0.39	1.4	not tested	not tested		
035	#				0.75	70	0.3	<b>-3.0</b>
036	0.60	Y		-0.7	2.35	Y		0.2
037	0.985	Y M	0.06	1.8	3.19	Y M	0.27	1.9
038	1	Y	0.1	1.9	#			
039	▲ #				2.036	Y	0.15	-0.4
040	#				2.41	Y M	0.5	0.3
041	#				2.2	Y	0.5	-0.1
042	#				1.8	Y	0.5	-0.9
043	#				2.25	Y	0.5	0.0
044	0.767	Y	0.07942	0.4	#			
045	#				1.6	Y	0.5	-1.3
046	#				2.8	Y M	0.5	1.1

int. std. = internal standard

# = not analysed

M = matrix-based calibration used

▲ = participant's comment: SEM (total) was detected at about 0.25 ug/kg (sic)

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

Table 2: Assigned Values and Target Standard Deviations

analyte	assigned value, µg/kg				target standard deviation, µg/kg	
	data points	robust mean	robust sd	uncertainty	derived from	$\sigma_p$
	$n$	$\hat{X}$	$\hat{\sigma}$	$u$		
AOZ (bound)	12	0.71	0.23	0.067	Horwitz*	0.155
AOZ (total)	40	2.26	0.59	0.093	Horwitz*	0.496

\* see page 7 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 %
AOZ (bound)	12	12	100
AOZ (total)	38	41	93

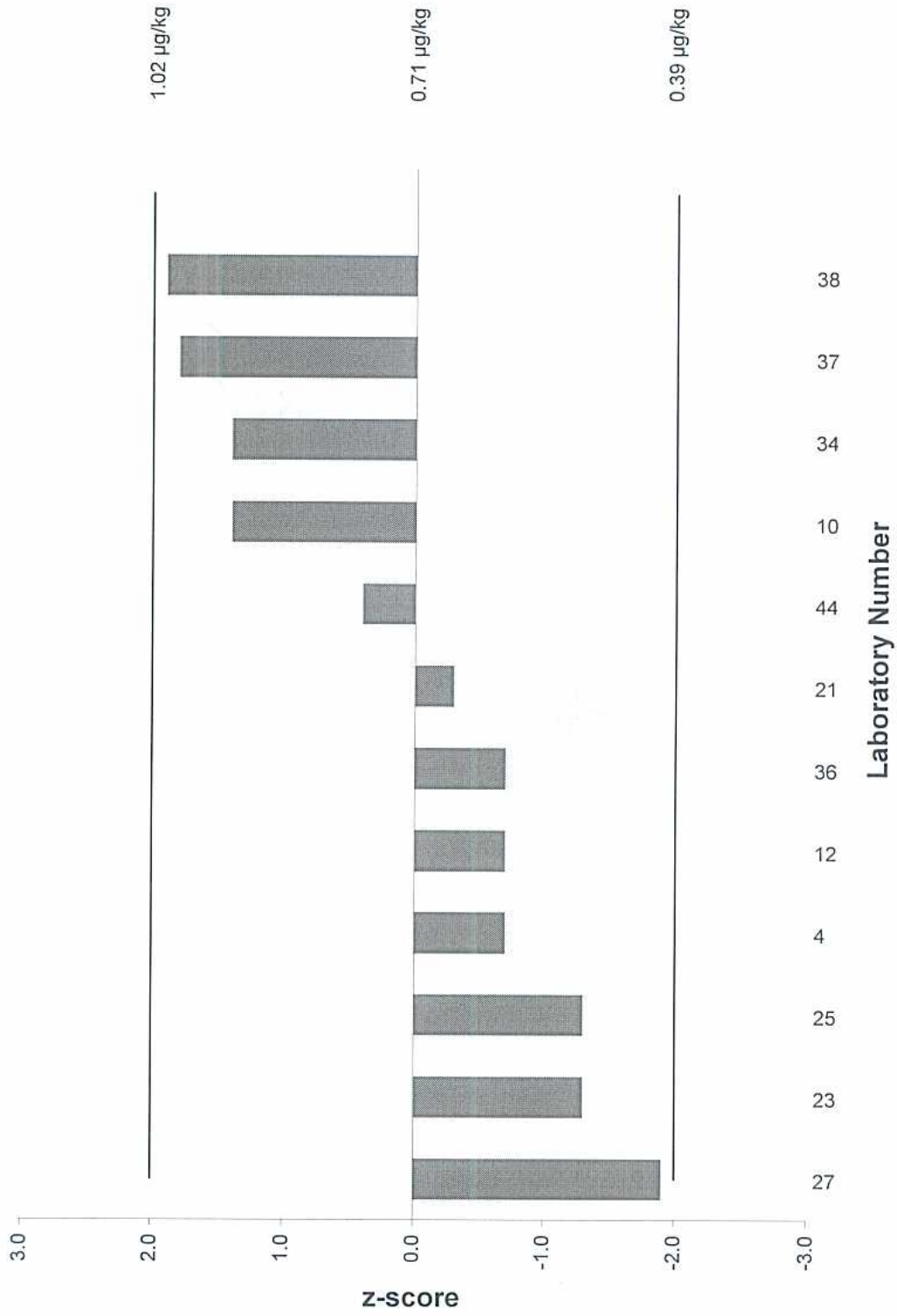


Figure 1: z-Scores for AOZ (bound) (0.71 µg/kg) in Pig Kidney Test Material

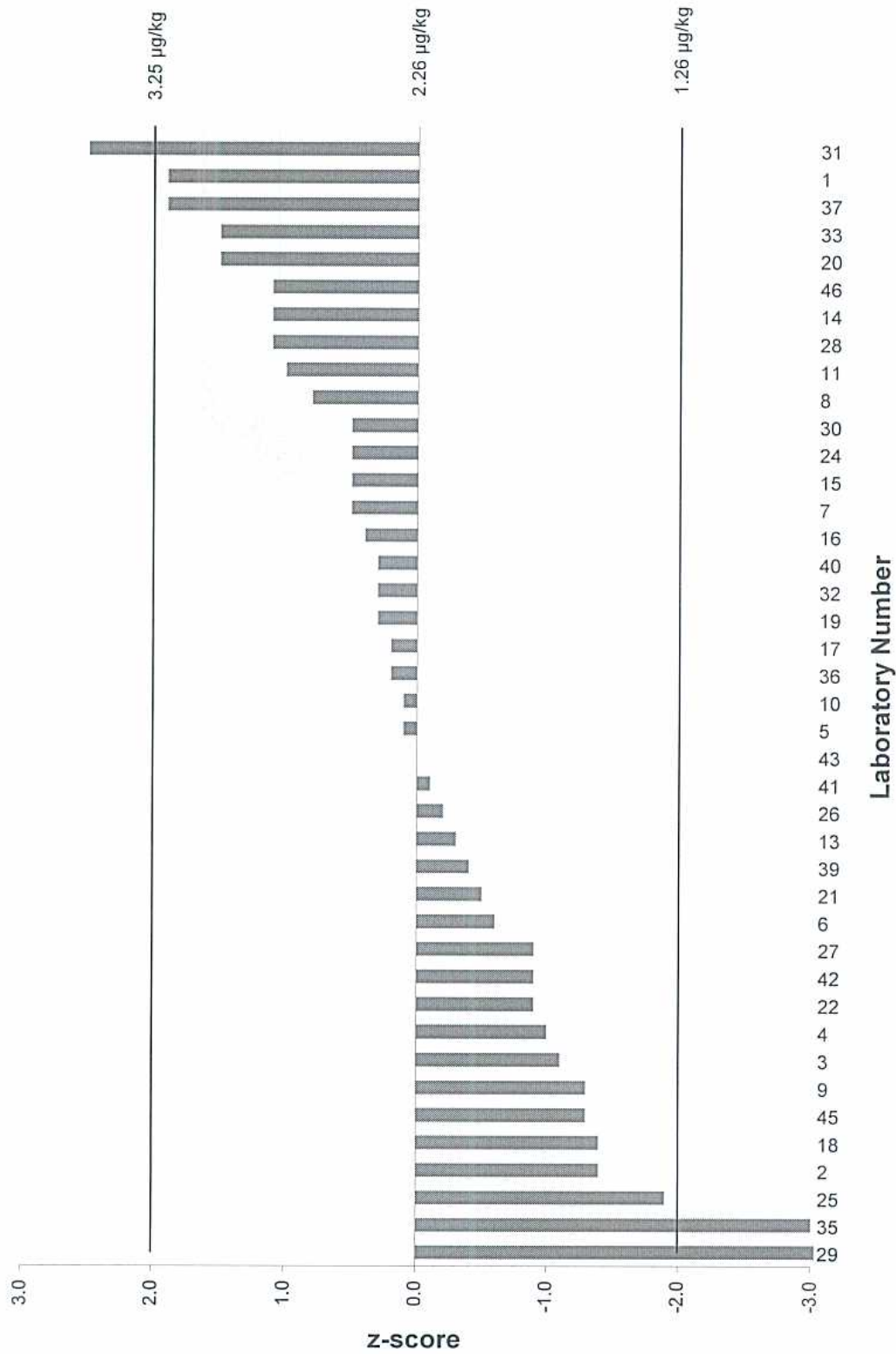


Figure 2: z-Scores for AOZ (total)(2.26 µg/kg) in Pig Kidney Test Material

**APPENDIX I: Homogeneity Data for Pig Kidney Test Material**

sample identity	analyte	
	AOZ (total)	
	µg/kg	
	replicate 1	replicate 2
1	2.12	2.17
2	1.93	2.01
3	2.22	1.87
4	1.88	2.14
5	1.93	2.27
6	1.97	2.09
7	2.00	2.01
8	1.89	1.95
9	1.79	2.01
10	2.01	2.01
mean	2.01	
<i>n</i>	20	
origin of target sd ( $\sigma_p$ )	Horwitz*	
$\sigma_p$ as RSD%	0.443	
abs. target sd ( $\sigma_p$ )	22.00	
$s_{an}$	0.138	
$s_{sam}^2$	0	
$\sigma_{all}^2$	0.018	
<i>critical</i>	0.052	
$s_{sam}^2 < critical?$	<b>ACCEPT</b>	

\* see page 7 for appropriate form of the Horwitz equation