

Table 1: Results and z-Scores for Tea Test Material

laboratory number	analyte			
	γ-HCH			
	<i>assigned value 618 µg/kg</i>			
	result µg/kg	recovery %	LoQ µg/kg	z-score
001	780	110	6	1.5
002	281		2	-3.2
003	489	98	0.005	-1.2
004	† 464	85%		-1.5
005	493	77	5	-1.2
006	541.5	100.5	20.	-0.7
007	488	78	10	-1.2
008	244	104	10	-3.5
009	600	28	10	-0.2
010	736	87.3	1	1.1
011	0.052	103 %	0.013 ♣	-5.8
012	668	81	15	0.5
013	1.09	70–110	0.01	-5.8
014	619	108	20	0.0
015	594	92	10	-0.2
016	673	85	50	0.5
017	720		20	1.0
018	963.5	62.4	20	3.2
019	864	104.7	5	2.3
020	543	90.98	10	-0.7
021	420	74	10	-1.9
022	33.1	64.7	30	-5.5
023	329	100	10	-2.7
024	665	73.3	10	0.4
025	622	81	10	0.0

LoQ = limit of quantification

♣ = reported in mg/kg

† = additional pesticides identified (see Table 2)

*figures in italics are shown for information only*

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

laboratory number	analyte			
	$\gamma$ -HCH			
	<i>assigned value 618 <math>\mu\text{g}/\text{kg}</math></i>			
	result $\mu\text{g}/\text{kg}$	recovery %	LoQ $\mu\text{g}/\text{kg}$	z-score
026	427	85	0.005	-1.8
027	350	96	20	-2.5
028	523	85	10	-0.9
029	† 5.24	69	1	-5.8
030	722.39	109	5.00	1.0
031	† 0			-5.8
032	176.1	85	5	-4.2
033	558		30	-0.6
034	#			
035	760			1.3
036	80	90	10	-5.1
037	280		10	-3.2
038	681.3	89	10	0.6

LoQ = limit of quantification

# = pesticide not analysed for

† = additional pesticides identified (see Table 2)

*figures in italics are shown for information only*



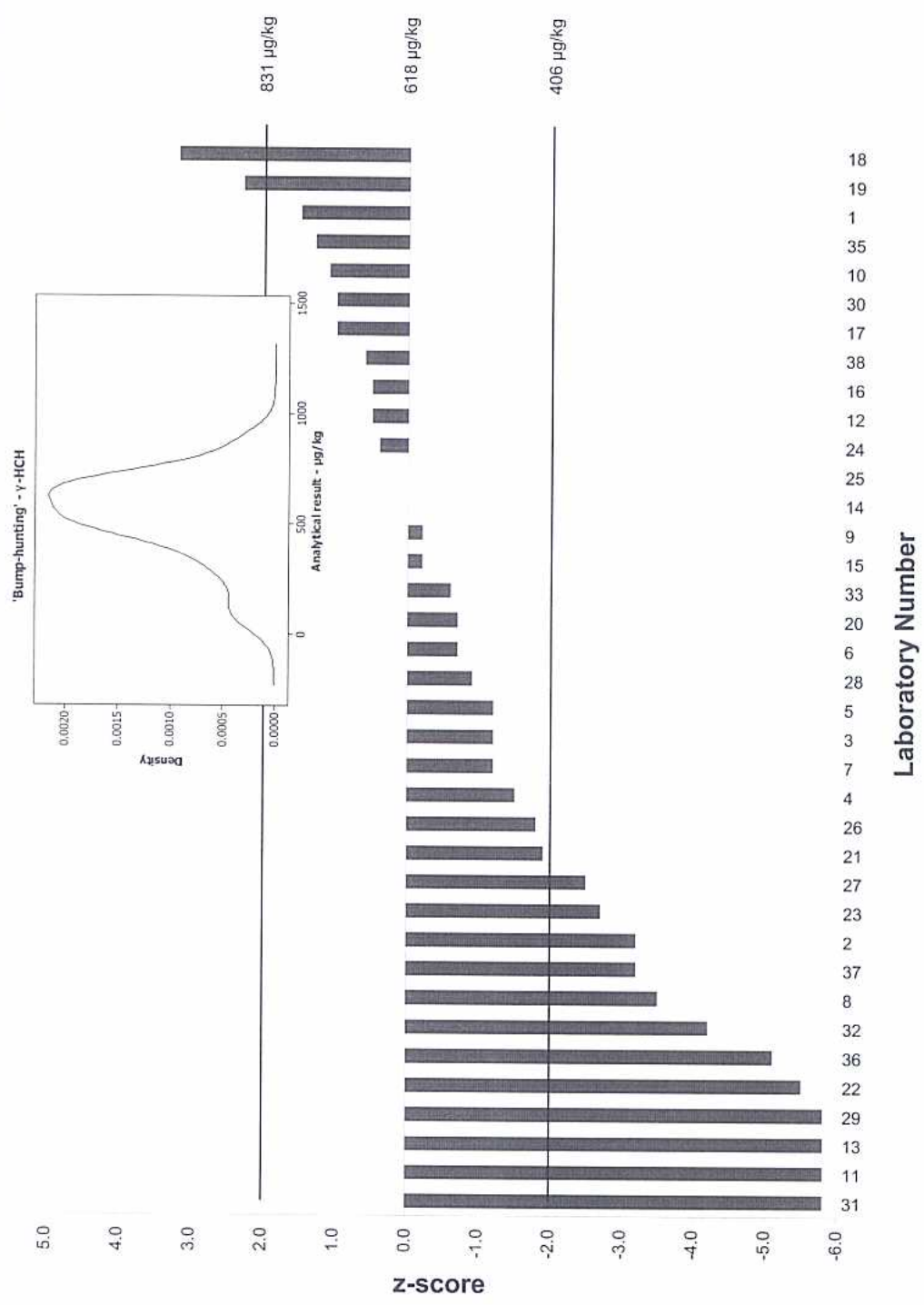


Figure 1: z-Scores for  $\gamma$ -HCH (618  $\mu\text{g}/\text{kg}$ ) in Tea Test Material

participants assigned a result of 0  $\mu\text{g}/\text{kg}$  for  $\gamma$ -HCH obtain a z-score of -5.8

*This histogram is shown for information only*

**APPENDIX I: Homogeneity Data for Tea Test Material**

sample identity	analyte	
	γ-HCH	
	μg/kg	
	replicate 1	replicate 2
1	705.0	697.5
2	682.5	772.5
3	702.5	740.0
4	690.0	777.5
5	755.0	697.5
6	680.0	747.5
7	720.0	762.5
8	717.5	750.0
9	697.5	690.0
10	702.5	717.5
mean	720.3	
<i>n</i>	20	
origin of target sd ( $\sigma_p$ )	Horwitz*	
$\sigma_p$ as RSD%	16.81	
abs. target sd ( $\sigma_p$ )	121.05	
$s_{an}$	37.57	
$s_{sam}^2$	0	
$\sigma_{all}^2$	1318.76	
<i>critical</i>	3904.64	
$s_{sam}^2 < \text{critical?}$	<b>ACCEPT</b>	

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