

Table 1: Results and z-Scores for T-2 Toxin and HT-2 Toxin in Oats Test Material

laboratory number	analyte					
	T-2			HT-2		
	assigned value	194	µg/kg	assigned value	125	µg/kg
	result µg/kg	recovery %	z-score	result µg/kg	recovery %	z-scores
001	165	85	-0.7	122	85	-0.1
002	170.3	>90%	-0.6			
003	21.2	99.95	-4.4			
004	102	90 +/- 10	-2.3			
005	218	99	0.6	105	96	-0.7
006	199	96	0.1	188	91	2.3
007	191.37	85.18	-0.1	123.78	86.20	0.0
008	78	100	-2.9	25	100	-3.7
009	♣ 105.95	100	-2.2	48.87	100	-2.8
010	223	76.5	0.7	166	65	1.5
011	70.75	85	-3.1			
012	260	100% (std add)	1.7	160	100% (std add)	1.3
013	180.8	100	-0.3	121.5	100	-0.1
014	202	108.7	0.2	132	99.4	0.3
015	183.7	90	-0.3	99.1	100	-0.9
016	141	94	-1.3	73	92	-1.9
017	167	90.0	-0.7	167	90.0	1.5
018	179	uncorr	-0.4			
019	190	uncorr	-0.1			
020	222	95	0.7	103	98	-0.8
021	209	115	0.4	99	113	-0.9
022	202.0	71	0.2	157.3	75	1.2
023	♣ 240	uncorr	1.2	140	uncorr	0.6
024	121.4	uncorr	-1.8	12.2	uncorr	-4.1

uncorr = participant did not state recovery results are as submitted by participants
 Comments submitted by participants:

- ♣ = sample too highly contaminated to spike accurately so % rec taken as 100%
- ♠ = isotope labeled internal standards were used

Table 1 (Continued): Results and z-Scores for T-2 Toxin and HT-2 Toxin in Oats Test Material

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	assigned value	194	µg/kg	assigned value	125	µg/kg
	result µg/kg	recovery %	z-score	result µg/kg	recovery %	z-scores
025	258	82	1.6	176	87	1.9
026	245.45	uncorr	1.3			
027	164	91	-0.8	119	91	-0.2
028	♦ 151	uncorr	-1.1	78	uncorr	-1.7
029	110.1	68.0	-2.1	313.1	64.0	6.9
030	300	uncorr	2.7			
031	362	100	4.2			
032	71.1	uncorr	-3.1	<10		
033	198.8	94.8	0.1	100.5	85.3	-0.9
034	292	98	2.5	160	105	1.3
035	223	16	0.7			
036	145.5	80	-1.2			
037	192	100	-0.1	138	100	0.5
038	167.2	87.5	-0.7	92.2	100	-1.2
039	224	110	0.7	138	90	0.5
040	73	uncorr	-3.0	72	uncorr	-1.9
041	♥ 142	97.5	-1.3	95	96.2	-1.1
042	275	70	2.0	156	90	1.1
043	211.03	88	0.4	143.94	84	0.7
044	160	110	-0.9	118	103	-0.3
045	296	99.9	2.6	177	103.5	1.9
046	261.6	std add	1.7	120.7	std add	-0.2
047	212.5	uncorr	0.5			
048	180	89	-0.4	140	50	0.6

uncorr = participant did not state recovery

results are as submitted by participants

Comments submitted by participants:

♦ = the recovery does not differ sig from 100% for we use surrogate matrix matched to calibrate method. The above results are below our quantification limit set at 200 µg/Kg for each analyte

♥ = Don was also detected

Table 1 (Continued): Results and z-Scores for T-2 Toxin and HT-2 Toxin in Oats Test Material

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	T-2			HT-2		
	assigned value	194	µg/kg	assigned value	125	µg/kg
	result µg/kg	recovery %	z-score	result µg/kg	recovery %	z-scores
049	203	95	0.2	127	104	0.1
050	173.23	97	-0.5	94.62	97	-1.1
051	240	100	1.2	58	100	-2.4
052	185.14	113	-0.2	108.12	98	-0.6
053	181	98	-0.3	116	97	-0.3
054	484	96	7.3	304	96	6.6
055	185	100	-0.2			
056	38	100	-3.9	16	100	-4.0
057	359.5	125	4.2			
058	215	77.8	0.5	111	96.3	-0.5
059	199	90	0.1	135	87	0.4
060	230.0	100	0.9			
061	491.2	78.8	7.5			
062	213	87	0.5	163	76	1.4
063	• 209	100	0.4	113	100	-0.4
064	195	100	0.0	137	100	0.4
065	73	44	-3.0	43	38	-3.0
066	225.53	91.5	0.8	122.61	129.8	-0.1
067	174.4	99.2	-0.5	113.4	105	-0.4
068	259.7	96	1.6	185.6	100	2.2
069	117	87	-1.9	94	102	-1.1

uncorr = participant did not state recovery

results are as submitted by participants

Comments submitted by participants:

• = 13C24-T2 and 13C22-HT2 used as ISTD

Table 1 (Continued): Results and z-Scores for T-2 Toxin and HT-2 Toxin in Oats Test Material

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	T-2			HT-2		
	assigned value	194 µg/kg	z-score	assigned value	125 µg/kg	z-scores
result µg/kg	recovery %		result µg/kg	recovery %		
070	120	93	-1.9	98.2	94	-1.0
071	167	66	-0.7	78	65	-1.7
072	192	96	-0.1	132	98	0.3
073	170	105	-0.6	72	90	-1.9
074	226	87	0.8	141	90	0.6
075	222.0	119.8	0.7	176.5	78.1	1.9
076	190.5	88	-0.1	131.5	83	0.2
077	181	100%	-0.3	124	100%	0.0
078	161.74	116	-0.8	163.53	93	1.4
079	546	140	8.8			

uncorr = participant did not state recovery

results are as submitted by participants

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	robust mean	robust standard deviation	uncertainty	derived from	σ_p
	n	\hat{X}	$\hat{\sigma}$	u		
T-2	69	194	57.7	6.95	Horwitz*	39.8
HT-2	57	125	39.5	5.24	Horwitz*	27.3

* See page 8 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 %
T-2	61	79	77
HT-2	51	61	84