

Mycotoxin Proficiency Testing, Z Scored Against Robust Consensus

Issue Date: 10/31/2017

All Tests for Sample # 201763 Rabbit Feed

Disclaimer: Z scores are provided for research and method development purposes only!

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0590	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	19.9	21.3	Y	Y			-0.85	25.328	5.572
0033	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	21.2	20.5	Y	Y			-0.80	25.328	5.572
2098	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	22.9	21.4	Y	Y			-0.57	25.328	5.572
0208	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	20	25.2	Y	Y			-0.49	25.328	5.572
0529	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	22	24.7	Y	Y			-0.35	25.328	5.572
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	27.8	22	Y	Y			-0.08	25.328	5.572
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	26.6	24.3	Y	Y			0.02	25.328	5.572
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	21	30	Y	Y			0.03	25.328	5.572
2164	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	24.8	26.9	Y	Y			0.09	25.328	5.572
2113	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	26	26	Y	Y			0.12	25.328	5.572
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	27.2	27.5	Y	Y			0.36	25.328	5.572
0964	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	29	27.4	Y	Y			0.52	25.328	5.572
0554	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	29.4	30.9	Y	Y			0.87	25.328	5.572
0034	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	31.2	31.65	Y	Y			1.09	25.328	5.572
0045	600.04	Total Aflatoxin (ppb)	Charm ROSA Fast 5 Aflatoxin Qu:	26	24	Y	Y			-0.06	25.328	5.572
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	9.54	9.69	Y	Y			-2.82	25.328	5.572
2129	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	14.4	13.9	Y	Y			-2.01	25.328	5.572
0066	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl :	17.6	19.2	Y	Y			-1.24	25.328	5.572
0407	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl :	23.057	23.36	Y	Y			-0.38	25.328	5.572
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl :	23.64	23.39	Y	Y			-0.33	25.328	5.572
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	24	28	Y	Y			0.12	25.328	5.572
0226	600.20	Total Aflatoxin (ppb)	LC	36	34.4	Y	Y			1.77	25.328	5.572
0042	600.20	Total Aflatoxin (ppb)	LC	38.76	33.58	Y	Y			1.95	25.328	5.572
0010	600.21	Total Aflatoxin (ppb)	LC-PCD FI	12	12	Y	Y			-2.39	25.328	5.572
0027	600.21	Total Aflatoxin (ppb)	LC-PCD FI	19.632	13.483	Y	Y			-1.57	25.328	5.572
0098	600.21	Total Aflatoxin (ppb)	LC-PCD FI	26.45	28.19	Y	Y			0.36	25.328	5.572
0910	600.21	Total Aflatoxin (ppb)	LC-PCD FI	64.88	53.78	Y	Y			6.10	25.328	5.572
0619	600.24	Total Aflatoxin (ppb)	LC-MS/MS	19.2	16.7	Y	Y			-1.32	25.328	5.572
0964	600.24	Total Aflatoxin (ppb)	LC-MS/MS	48.2	47.9	Y	Y			4.08	25.328	5.572
0009	600.24	Total Aflatoxin (ppb)	LC-MS/MS	54.99	50.5	Y	Y			4.92	25.328	5.572
0218	600.24	Total Aflatoxin (ppb)	LC-MS/MS	59.6	62.9	Y	Y			6.45	25.328	5.572
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	21.5	21.7	Y	Y			-0.67	25.328	5.572
0870	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	23.8	23.1	Y	Y			-0.34	25.328	5.572
2169	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	24.6	22.8	Y	Y			-0.29	25.328	5.572
0027	601.21	AB1 (ppb)	LC-PCD FI	17.529	11.989	Y	Y			-2.78	38.012	8.363

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0098	601.21	AB1 (ppb)	LC-PCD FI	23.46	24.31	Y	Y			-1.69	38.012	8.363
0910	601.21	AB1 (ppb)	LC-PCD FI	60.38	49.75	Y	Y			2.04	38.012	8.363
0619	601.23	AB1 (ppb)	LC-MS/MS	17.7	15.3	Y	Y			-2.57	38.012	8.363
0870	601.23	AB1 (ppb)	LC-MS/MS	25.34	25.48	Y	Y			-1.51	38.012	8.363
2033	601.23	AB1 (ppb)	LC-MS/MS	32.4	30.4	Y	Y			-0.79	38.012	8.363
0028	601.23	AB1 (ppb)	LC-MS/MS	36.89	33.62	Y	Y			-0.33	38.012	8.363
0918	601.23	AB1 (ppb)	LC-MS/MS	36.2	38.6	Y	Y			-0.07	38.012	8.363
2023	601.23	AB1 (ppb)	LC-MS/MS	[14.4]	[]	Y	N				38.012	8.363
0964	601.23	AB1 (ppb)	LC-MS/MS	38.6	38.7	Y	Y			0.08	38.012	8.363
0009	601.23	AB1 (ppb)	LC-MS/MS	51.48	46.98	Y	Y			1.34	38.012	8.363
0913	601.23	AB1 (ppb)	LC-MS/MS	51.79	52.93	Y	Y			1.72	38.012	8.363
2140	601.23	AB1 (ppb)	LC-MS/MS	55	57	Y	Y			2.15	38.012	8.363
0226	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	32.8	31.3	Y	Y			-0.71	38.012	8.363
2053	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	137	121	Y	Y			10.88	38.012	8.363
0027	602.21	AB2 (ppb)	LC-PCD FI	2.103	1.494	Y	Y			-2.11	3.353	0.738
0098	602.21	AB2 (ppb)	LC-PCD FI	2.99	3.88	Y	Y			0.11	3.353	0.738
0910	602.21	AB2 (ppb)	LC-PCD FI	4.29	4.03	Y	Y			1.09	3.353	0.738
0619	602.23	AB2 (ppb)	LC-MS/MS	1.52	1.32	Y	Y			-2.62	3.353	0.738
0870	602.23	AB2 (ppb)	LC-MS/MS	2.06	2.16	Y	Y			-1.69	3.353	0.738
2033	602.23	AB2 (ppb)	LC-MS/MS	2.2	2.6	Y	Y			-1.29	3.353	0.738
0918	602.23	AB2 (ppb)	LC-MS/MS	2.19	2.86	Y	Y			-1.12	3.353	0.738
2023	602.23	AB2 (ppb)	LC-MS/MS	[1]	[]	Y	N				3.353	0.738
0009	602.23	AB2 (ppb)	LC-MS/MS	3.51	3.52	Y	Y			0.22	3.353	0.738
0913	602.23	AB2 (ppb)	LC-MS/MS	4.11	4.2	Y	Y			1.09	3.353	0.738
0964	602.23	AB2 (ppb)	LC-MS/MS	9.6	9.2	Y	Y			8.20	3.353	0.738
2140	602.23	AB2 (ppb)	LC-MS/MS			N	N	20	0.00%	NoZ	3.353	0.738
0226	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	3.2	3.1	Y	Y			-0.28	3.353	0.738
2053	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	14.6	11.6	Y	Y			13.21	3.353	0.738
0098	603.21	AG1 (ppb)	LC-PCD FI			N	N	15			ND	
0910	603.21	AG1 (ppb)	LC-PCD FI	0.21		Y	N	0.01			ND	
0009	603.23	AG1 (ppb)	LC-MS/MS			N	N	1.05			ND	
0619	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.9			ND	
0870	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.6			ND	
0913	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0918	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.1			ND	
0964	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.782			ND	
2023	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.7			ND	
2033	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
2140	603.23	AG1 (ppb)	LC-MS/MS			N	N	20			ND	
0226	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	2			ND	
2053	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	0.5			ND	
0098	604.21	AG2 (ppb)	LC-PCD FI			N	N	5			ND	
0910	604.21	AG2 (ppb)	LC-PCD FI			N	N	0.01			ND	
0009	604.23	AG2 (ppb)	LC-MS/MS			N	N	1.07			ND	

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0619	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.8			ND	
0870	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.6			ND	
0913	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0918	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.03			ND	
0964	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.391			ND	
2023	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.9			ND	
2033	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
2140	604.23	AG2 (ppb)	LC-MS/MS			N	N	20			ND	
0226	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	1			ND	
2053	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.5			ND	
0554	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	[2.5]	[3.2]	Y	Y			-7.29	2,805	384.2
0870	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	[3.6]	[3.1]	Y	Y			-7.29	2,805	384.2
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,600	2,800	Y	Y			-0.27	2,805	384.2
0413	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,600	2,800	Y	Y			-0.27	2,805	384.2
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,900	2,600	Y	Y			-0.14	2,805	384.2
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,700	2,900	Y	Y			-0.01	2,805	384.2
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	3,000	2,700	Y	Y			0.12	2,805	384.2
2164	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,900	2,800	Y	Y			0.12	2,805	384.2
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,900	2,900	Y	Y			0.25	2,805	384.2
0208	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,930	2,880	Y	Y			0.26	2,805	384.2
0964	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,900	3,000	Y	Y			0.38	2,805	384.2
0529	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	3,200	3,300	Y	Y			1.16	2,805	384.2
2113	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	3,100	3,700	Y	Y			1.55	2,805	384.2
2098	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	3,200	3,800	Y	Y			1.81	2,805	384.2
0045	610.04	Deoxynivalenol (ppb)	Charm ROSA Fast 5 DON Quant	2,300	1,800	Y	Y			-1.97	2,805	384.2
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	2,822	3,200	Y	Y			0.54	2,805	384.2
0407	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	2,755	2,994	Y	Y			0.18	2,805	384.2
0590	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	2,950	2,840	Y	Y			0.23	2,805	384.2
2129	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	2,924	3,106	Y	Y			0.55	2,805	384.2
2066	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	3,490	3,530	Y	Y			1.83	2,805	384.2
0009	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	3,395	3,700	Y	Y			1.93	2,805	384.2
0066	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	2,775	3,178	Y	Y			0.45	2,805	384.2
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	3,190	3,040	Y	Y			0.81	2,805	384.2
0226	610.09	Deoxynivalenol (ppb)	Vicam DON-V	2,600	2,700	Y	Y			-0.40	2,805	384.2
0413	610.20	Deoxynivalenol (ppb)	LC	2,200	2,100	Y	Y			-1.71	2,805	384.2
0098	610.20	Deoxynivalenol (ppb)	LC	2,400	2,600	Y	Y			-0.79	2,805	384.2
0910	610.20	Deoxynivalenol (ppb)	LC	3,340	3,510	Y	Y			1.61	2,805	384.2
0870	610.23	Deoxynivalenol (ppb)	LC-MS/MS	[3.15]	[2.9]	Y	Y			-7.29	2,805	384.2
0028	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,435	1,813	Y	Y			-3.07	2,805	384.2
0964	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,100	1,866	Y	Y			-2.14	2,805	384.2
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,350	2,410	Y	Y			-1.11	2,805	384.2
0619	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,721	2,138	Y	Y			-0.98	2,805	384.2
2140	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,768	2,477	Y	Y			-0.48	2,805	384.2
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,817	2,691	Y	Y			-0.13	2,805	384.2

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						D1	D2					
2023	610.23	Deoxynivalenol (ppb)	LC-MS/MS	[910]	[]	Y	N				2,805	384.2
0913	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,970	3,310	Y	Y			0.87	2,805	384.2
0218	610.25	Deoxynivalenol (ppb)	GC-MS	2,472	2,263	Y	Y			-1.14	2,805	384.2
0870	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	[3.8]	[3.2]	Y	Y			-7.29	2,805	384.2
2050	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2,200	2,200	Y	Y			-1.58	2,805	384.2
2169	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2,800	2,800	Y	Y			-0.01	2,805	384.2
0554	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	[1.3]	[0.8]	Y	Y			-6.46	1,248	193.1
2164	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	900	800	Y	Y			-2.06	1,248	193.1
2113	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,100	1,300	Y	Y			-0.25	1,248	193.1
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,500	1,000	Y	Y			0.01	1,248	193.1
0033	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,300	1,200	Y	Y			0.01	1,248	193.1
2098	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,340	1,500	Y	Y			0.89	1,248	193.1
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,620	1,230	Y	Y			0.92	1,248	193.1
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin			N	N	1000	90.05%	NoZ	1,248	193.1
0870	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	[1.18]	[1.16]	Y	Y			-6.46	1,248	193.1
0529	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	1,600	1,700	Y	Y			2.08	1,248	193.1
0045	620.04	Total Fumonisin (ppb)	Charm ROSA Fast 5 FUMQ	1,100	1,100	Y	Y			-0.77	1,248	193.1
2066	620.08	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fumonisin	1,260	1,360	Y	Y			0.32	1,248	193.1
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	680.3	700	Y	Y			-2.89	1,248	193.1
0009	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	700	900	Y	Y			-2.32	1,248	193.1
0407	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,233	1,245	Y	Y			-0.05	1,248	193.1
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,430	1,490	Y	Y			1.10	1,248	193.1
2129	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,444	1,525	Y	Y			1.23	1,248	193.1
0066	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,975	1,753	Y	Y			3.19	1,248	193.1
0098	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	1,300	900	Y	Y			-0.77	1,248	193.1
0208	620.20	Total Fumonisin (ppb)	LC	1,600	1,600	Y	Y			1.82	1,248	193.1
0226	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	800	900	Y	Y			-2.06	1,248	193.1
0619	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,152	1,061	Y	Y			-0.73	1,248	193.1
2023	620.23	Total Fumonisin (ppb)	LC-MS/MS	[55]	[]	Y	N				1,248	193.1
0964	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,299	1,233	Y	Y			0.09	1,248	193.1
0010	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,400	1,300	Y	Y			0.53	1,248	193.1
0098	621.20	FB1 (ppb)	LC	1,100	900	Y	Y			1.25	828.9	136.4
0226	621.21	FB1 (ppb)	LC-FI OPA der.	500	600	Y	Y			-2.04	828.9	136.4
2053	621.22	FB1 (ppb)	LC-MS	635	629	Y	Y			-1.44	828.9	136.4
0870	621.23	FB1 (ppb)	LC-MS/MS	[1.26]	[1.11]	Y	Y			-6.07	828.9	136.4
0913	621.23	FB1 (ppb)	LC-MS/MS	79	73	Y	Y			-5.52	828.9	136.4
2033	621.23	FB1 (ppb)	LC-MS/MS	813	792	Y	Y			-0.19	828.9	136.4
0964	621.23	FB1 (ppb)	LC-MS/MS	974	915.3	Y	Y			0.85	828.9	136.4
0619	621.23	FB1 (ppb)	LC-MS/MS	983	917	Y	Y			0.89	828.9	136.4
0218	621.23	FB1 (ppb)	LC-MS/MS	995	1,000	Y	Y			1.24	828.9	136.4
2140	621.23	FB1 (ppb)	LC-MS/MS	1,317	1,059	Y	Y			2.63	828.9	136.4
0098	622.20	FB2 (ppb)	LC	200		Y	N	200	50.62%	-0.02	200.6	40.871
0226	622.21	FB2 (ppb)	LC-FI OPA der.	300	300	Y	Y			2.43	200.6	40.871
2053	622.22	FB2 (ppb)	LC-MS	141	127	Y	Y			-1.63	200.6	40.871

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0870	622.23	FB2 (ppb)	LC-MS/MS	[0.2]	[0.18]	Y	Y			-4.90	200.6	40.871
0913	622.23	FB2 (ppb)	LC-MS/MS	13	15	Y	Y			-4.57	200.6	40.871
0218	622.23	FB2 (ppb)	LC-MS/MS	154	153	Y	Y			-1.15	200.6	40.871
0619	622.23	FB2 (ppb)	LC-MS/MS	169	144	Y	Y			-1.08	200.6	40.871
2033	622.23	FB2 (ppb)	LC-MS/MS	226	251	Y	Y			0.93	200.6	40.871
2140	622.23	FB2 (ppb)	LC-MS/MS	305	227	Y	Y			1.60	200.6	40.871
0964	622.23	FB2 (ppb)	LC-MS/MS	325	317	Y	Y			2.95	200.6	40.871
0226	623.21	FB3 (ppb)	LC-FI OPA der.			N	N	400	0.00%	NoZ	72.667	15.987
2053	623.22	FB3 (ppb)	LC-MS	91	86	Y	Y			0.99	72.667	15.987
0870	623.23	FB3 (ppb)	LC-MS/MS	[0.15]	[0.14]	Y	Y			-4.54	72.667	15.987
0913	623.23	FB3 (ppb)	LC-MS/MS	12	12	Y	Y			-3.79	72.667	15.987
2033	623.23	FB3 (ppb)	LC-MS/MS	102	133	Y	Y			2.80	72.667	15.987
0529	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	3.3	3.2	Y	Y			-3.66	16.719	3.678
0003	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	7.2	4.8	Y	Y			-2.91	16.719	3.678
2164	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	6.2	5.9	Y	Y			-2.90	16.719	3.678
0227	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	4	10	Y	Y			-2.64	16.719	3.678
0964	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	26.9	25.7	Y	Y			2.60	16.719	3.678
2098	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	67.2	70.8	Y	Y			14.21	16.719	3.678
2066	630.04	Ochratoxin A (ppb)	r-Biopharm Ridascreen Ochratoxi	23.05	21.69	Y	Y			1.54	16.719	3.678
0066	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Ocr	20	17.6	Y	Y			0.57	16.719	3.678
0407	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Ocr	19.57	19.71	Y	Y			0.79	16.719	3.678
2129	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Ocr	35.3	36.3	Y	Y			5.19	16.719	3.678
0226	630.06	Ochratoxin A (ppb)	Vicam OchraTest			N	N	46	0.00%	NoZ	16.719	3.678
2066	630.20	Ochratoxin A (ppb)	LC	22.8	23.2	Y	Y			1.71	16.719	3.678
0098	630.20	Ochratoxin A (ppb)	LC	28.6	30.5	Y	Y			3.49	16.719	3.678
0910	630.21	Ochratoxin A (ppb)	LC-PCD FI	11.8	10.8	Y	Y			-1.47	16.719	3.678
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	10	9.4	Y	Y			-1.91	16.719	3.678
0913	630.23	Ochratoxin A (ppb)	LC-MS/MS	15.97	11.18	Y	Y			-0.85	16.719	3.678
0619	630.23	Ochratoxin A (ppb)	LC-MS/MS	12.3	15	Y	Y			-0.83	16.719	3.678
0870	630.23	Ochratoxin A (ppb)	LC-MS/MS	15.59	12.16	Y	Y			-0.77	16.719	3.678
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	15	14	Y	Y			-0.60	16.719	3.678
2023	630.23	Ochratoxin A (ppb)	LC-MS/MS	[7.5]	[]	Y	N				16.719	3.678
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	17	17	Y	Y			0.08	16.719	3.678
0964	630.23	Ochratoxin A (ppb)	LC-MS/MS	18.7	17.2	Y	Y			0.33	16.719	3.678
2140	630.23	Ochratoxin A (ppb)	LC-MS/MS	16	20	Y	Y			0.35	16.719	3.678
0870	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	16.9	14.8	Y	Y			-0.24	16.719	3.678
0066	640.03	T-2 (ppb)	Romer AgraQuant T-2	433.6	396.7	Y	Y			3.62	241.7	47.871
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	134.3	152.7	Y	Y			-2.05	241.7	47.871
0407	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	275	278.6	Y	Y			0.73	241.7	47.871
2129	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	354.4	358.4	Y	Y			2.40	241.7	47.871
0910	640.21	T-2 (ppb)	LC-PCD FI	110.3	109.9	Y	Y			-2.75	241.7	47.871
0918	640.23	T-2 (ppb)	LC-MS/MS	156	164	Y	Y			-1.71	241.7	47.871
2140	640.23	T-2 (ppb)	LC-MS/MS	217	240	Y	Y			-0.28	241.7	47.871
0619	640.23	T-2 (ppb)	LC-MS/MS	252	216	Y	Y			-0.16	241.7	47.871

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0913	640.23	T-2 (ppb)	LC-MS/MS	220.8	271	Y	Y			0.09	241.7	47.871
0870	640.23	T-2 (ppb)	LC-MS/MS	237.3	258.4	Y	Y			0.13	241.7	47.871
0218	640.23	T-2 (ppb)	LC-MS/MS	257	259	Y	Y			0.34	241.7	47.871
2033	640.23	T-2 (ppb)	LC-MS/MS	286	244	Y	Y			0.49	241.7	47.871
0964	640.23	T-2 (ppb)	LC-MS/MS			N	N	78.2	99.97%	NoZ	241.7	47.871
0910	641.21	HT-2 (ppb)	LC post-col photochem der. FI	35	37	Y	Y			-2.75	90.897	19.997
0913	641.23	HT-2 (ppb)	LC-MS/MS	74.71	93.29	Y	Y			-0.34	90.897	19.997
0870	641.23	HT-2 (ppb)	LC-MS/MS	89.41	87.79	Y	Y			-0.11	90.897	19.997
0218	641.23	HT-2 (ppb)	LC-MS/MS	93	97	Y	Y			0.21	90.897	19.997
0619	641.23	HT-2 (ppb)	LC-MS/MS	110	106	Y	Y			0.86	90.897	19.997
2140	641.23	HT-2 (ppb)	LC-MS/MS	133	132	Y	Y			2.08	90.897	19.997
0964	641.23	HT-2 (ppb)	LC-MS/MS			N	N	78.2	73.73%	NoZ	90.897	19.997
0529	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	481.7	488.3	Y	Y			-1.76	690.8	116.8
2098	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	729.6	740.8	Y	Y			0.38	690.8	116.8
0870	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	812.5	806	Y	Y			1.01	690.8	116.8
0227	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	790	895	Y	Y			1.30	690.8	116.8
0590	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	264	232	Y	Y			-3.79	690.8	116.8
0045	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	950	1,100	Y	Y			2.86	690.8	116.8
0590	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	298	435	Y	Y			-2.01	564.1	98.36
0529	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	546	457.5	Y	Y			-0.63	564.1	98.36
0870	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	558.2	551.6	Y	Y			-0.09	564.1	98.36
0003	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	528.7	599.9	Y	Y			0.00	564.1	98.36
2098	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	539.2	606.8	Y	Y			0.09	564.1	98.36
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	551.1	657.5	Y	Y			0.41	564.1	98.36
2164	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	660.1	666.7	Y	Y			1.01	564.1	98.36
2113	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	650	700	Y	Y			1.13	564.1	98.36
0964	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	764	735	Y	Y			1.88	564.1	98.36
0045	650.02	Zearalenone (ppb)	Charm ROSA Zearalenone Quant	743	411	Y	Y			0.13	564.1	98.36
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	227.4	266.3	Y	Y			-3.23	564.1	98.36
2129	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	519	523.4	Y	Y			-0.44	564.1	98.36
0009	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	644	606.2	Y	Y			0.62	564.1	98.36
0066	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	576.1	450.3	Y	Y			-0.52	564.1	98.36
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	721.4	669.2	Y	Y			1.33	564.1	98.36
0407	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZOI	757.8	811	Y	Y			2.24	564.1	98.36
0413	650.20	Zearalenone (ppb)	LC	200	230	Y	Y			-3.55	564.1	98.36
0098	650.20	Zearalenone (ppb)	LC	620	670	Y	Y			0.82	564.1	98.36
0910	650.20	Zearalenone (ppb)	LC	650	787	Y	Y			1.57	564.1	98.36
0226	650.22	Zearalenone (ppb)	LC-FI, AOCS	250	400	Y	Y			-2.43	564.1	98.36
0964	650.23	Zearalenone (ppb)	LC-MS	536	537	Y	Y			-0.28	564.1	98.36
2023	650.23	Zearalenone (ppb)	LC-MS	[86]	[]	Y	N				564.1	98.36
0918	650.24	Zearalenone (ppb)	LC-MS/MS	280	270	Y	Y			-2.94	564.1	98.36
0870	650.24	Zearalenone (ppb)	LC-MS/MS	368.3	376.7	Y	Y			-1.95	564.1	98.36
2033	650.24	Zearalenone (ppb)	LC-MS/MS	620	540	Y	Y			0.16	564.1	98.36
0913	650.24	Zearalenone (ppb)	LC-MS/MS	617.3	570.5	Y	Y			0.30	564.1	98.36

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0619	650.24	Zearalenone (ppb)	LC-MS/MS	715	609	Y	Y			1.00	564.1	98.36
0218	650.24	Zearalenone (ppb)	LC-MS/MS	668	660	Y	Y			1.02	564.1	98.36
2140	650.24	Zearalenone (ppb)	LC-MS/MS	789	683	Y	Y			1.75	564.1	98.36

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). If only 1 of 2 results detected Z is Grey and Probability of Detection is for the Non-Detect (see documentation). A Red NoZ indicates both results Not Detected with a Probability Of Detecting a single value. Where the Assigned Value is ND then the LOD follows as (LOD) in the Analyte units. An astrix on the Analyte name indicates Reference Lab Value Used as Assigned Value and Z scores are calculated against the reference Lab. Results in square brackets not used in Robust calculations.