



**Mycotoxin Proficiency Testing**

**Issue Date: 07/31/2016**

**All Tests for Sample # 201662 Equine 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					
0876	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	27.3	27	Y	Y		100%	-1.25	37.474	8.244
0208	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	30.7	29.5	Y	Y		100%	-0.89	37.474	8.244
0529	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	30	32.9	Y	Y		100%	-0.73	37.474	8.244
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	32.1	32.6	Y	Y		100%	-0.62	37.474	8.244
2113	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	33.3	35.2	Y	Y		100%	-0.39	37.474	8.244
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	37	32.7	Y	Y		100%	-0.32	37.474	8.244
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	31	42	Y	Y		100%	-0.12	37.474	8.244
2098	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	37.2	35.9	Y	Y		100%	-0.11	37.474	8.244
0034	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	37.15	38.55	Y	Y		100%	0.05	37.474	8.244
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	35.5	45	Y	Y		100%	0.34	37.474	8.244
0683	600.08	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 4-40p	42	36	Y	Y		100%	0.19	37.474	8.244
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	36.8	36.7	Y	Y		100%	-0.09	37.474	8.244
2066	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	40.69	46.37	Y	Y		100%	0.73	37.474	8.244
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	64.153	62.061	Y	Y		100%	3.11	37.474	8.244
0407	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	81.556	71.629	Y	Y		100%	4.75	37.474	8.244
0613	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	27.56	28.79	Y	Y		100%	-1.13	37.474	8.244
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	33	32	Y	Y		100%	-0.60	37.474	8.244
0035	600.20	Total Aflatoxin (ppb)	LC	37.961	38.151	Y	Y		100%	0.07	37.474	8.244
2066	600.20	Total Aflatoxin (ppb)	LC	41.31	42.61	Y	Y		100%	0.54	37.474	8.244
0042	600.20	Total Aflatoxin (ppb)	LC	64	48	Y	Y		100%	2.25	37.474	8.244
0226	600.20	Total Aflatoxin (ppb)	LC	59.8	61.7	Y	Y		100%	2.82	37.474	8.244
0646	600.20	Total Aflatoxin (ppb)	LC	91.49	90.8	Y	Y		100%	6.51	37.474	8.244
0010	600.21	Total Aflatoxin (ppb)	LC-PCD FI	27	30	Y	Y		100%	-1.09	37.474	8.244
0027	600.21	Total Aflatoxin (ppb)	LC-PCD FI	30.018	30.602	Y	Y		100%	-0.87	37.474	8.244
0098	600.21	Total Aflatoxin (ppb)	LC-PCD FI	42.06	41.71	Y	Y		100%	0.54	37.474	8.244
0009	600.21	Total Aflatoxin (ppb)	LC-PCD FI	45.431	44.449	Y	Y		100%	0.91	37.474	8.244
0613	600.24	Total Aflatoxin (ppb)	LC-MS/MS	27.56	28.79	Y	Y		100%	-1.13	37.474	8.244
0619	600.24	Total Aflatoxin (ppb)	LC-MS/MS	28.2	31.8	Y	Y		100%	-0.91	37.474	8.244
0218	600.24	Total Aflatoxin (ppb)	LC-MS/MS	55.2	60.1	Y	Y		100%	2.45	37.474	8.244
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	29.8	29.2	Y	Y		100%	-0.97	37.474	8.244
0596	601.20	AB1 (ppb)	LC	17.82	17	Y	Y		100%	-2.38	36.495	8.029
0728	601.20	AB1 (ppb)	LC	26.8	38.9	Y	Y		100%	-0.45	36.495	8.029
0035	601.20	AB1 (ppb)	LC	34.454	34.788	Y	Y		100%	-0.23	36.495	8.029
2066	601.20	AB1 (ppb)	LC	41.31	42.61	Y	Y		100%	0.68	36.495	8.029
0913	601.20	AB1 (ppb)	LC	41	43.66	Y	Y		100%	0.73	36.495	8.029
0646	601.20	AB1 (ppb)	LC	87.3	86.64	Y	Y		100%	6.29	36.495	8.029
0027	601.21	AB1 (ppb)	LC-PCD FI	27.213	27.978	Y	Y		100%	-1.11	36.495	8.029

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	37.73	37.33	Y	Y		100%	0.13	36.495	8.029
0009	601.21	AB1 (ppb)	LC-PCD FI	41.519	40.434	Y	Y		100%	0.56	36.495	8.029
0613	601.23	AB1 (ppb)	LC-MS/MS	23.18	24.84	Y	Y		100%	-1.56	36.495	8.029
2033	601.23	AB1 (ppb)	LC-MS/MS	25.8	26	Y	Y		100%	-1.32	36.495	8.029
0028	601.23	AB1 (ppb)	LC-MS/MS	29.4	22.96	Y	Y		100%	-1.28	36.495	8.029
0619	601.23	AB1 (ppb)	LC-MS/MS	25.5	28.5	Y	Y		100%	-1.18	36.495	8.029
0918	601.23	AB1 (ppb)	LC-MS/MS	32.6	32.7	Y	Y		100%	-0.48	36.495	8.029
0913	601.23	AB1 (ppb)	LC-MS/MS	36.8	34.7	Y	Y		100%	-0.09	36.495	8.029
0001	601.23	AB1 (ppb)	LC-MS/MS	41.6	36.8	Y	Y		100%	0.34	36.495	8.029
2140	601.23	AB1 (ppb)	LC-MS/MS	41	43	Y	Y		100%	0.69	36.495	8.029
0553	601.23	AB1 (ppb)	LC-MS/MS	41.65	53.6	Y	Y		100%	1.39	36.495	8.029
0218	601.23	AB1 (ppb)	LC-MS/MS	49.5	52.3	Y	Y		100%	1.79	36.495	8.029
2023	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	36.2	36	Y	Y		100%	-0.05	36.495	8.029
0226	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	55.11	56.8	Y	Y		100%	2.42	36.495	8.029
0596	602.20	AB2 (ppb)	LC	2.08	2	Y	Y		100%	-1.79	3.37	0.741
0728	602.20	AB2 (ppb)	LC	2.4	3	Y	Y		100%	-0.90	3.37	0.741
0035	602.20	AB2 (ppb)	LC	3.507	3.363	Y	Y		100%	0.09	3.37	0.741
0646	602.20	AB2 (ppb)	LC	4.19	4.16	Y	Y		100%	1.09	3.37	0.741
0913	602.20	AB2 (ppb)	LC	4.14	4.23	Y	Y		100%	1.10	3.37	0.741
2066	602.20	AB2 (ppb)	LC			N	N	0.14	100.00%	NoZ	3.37	0.741
0027	602.21	AB2 (ppb)	LC-PCD FI	2.805	2.624	Y	Y		100%	-0.88	3.37	0.741
0009	602.21	AB2 (ppb)	LC-PCD FI	3.912	4.015	Y	Y		100%	0.80	3.37	0.741
0098	602.21	AB2 (ppb)	LC-PCD FI	4.33	4.38	Y	Y		100%	1.33	3.37	0.741
0613	602.23	AB2 (ppb)	LC-MS/MS	2.38	1.95	Y	Y		100%	-1.63	3.37	0.741
2033	602.23	AB2 (ppb)	LC-MS/MS	2.58	2.1	Y	Y		100%	-1.39	3.37	0.741
0913	602.23	AB2 (ppb)	LC-MS/MS	2.6	2.5	Y	Y		100%	-1.11	3.37	0.741
0619	602.23	AB2 (ppb)	LC-MS/MS	2.41	3.17	Y	Y		100%	-0.78	3.37	0.741
0001	602.23	AB2 (ppb)	LC-MS/MS	3.9	3.2	Y	Y		100%	0.24	3.37	0.741
0918	602.23	AB2 (ppb)	LC-MS/MS	3.91	3.35	Y	Y		100%	0.35	3.37	0.741
0028	602.23	AB2 (ppb)	LC-MS/MS	3.89	4.27	Y	Y		100%	0.96	3.37	0.741
0553	602.23	AB2 (ppb)	LC-MS/MS	3.18	6.28	Y	Y		100%	1.83	3.37	0.741
0218	602.23	AB2 (ppb)	LC-MS/MS	5.7	5.3	Y	Y		100%	2.87	3.37	0.741
2140	602.23	AB2 (ppb)	LC-MS/MS			N	N	20	0.00%	NoZ	3.37	0.741
2023	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	2.2	2.2	Y	Y		100%	-1.58	3.37	0.741
0226	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	4.69	4.9	Y	Y		100%	1.92	3.37	0.741
0913	603.20	AG1 (ppb)	LC	1.57	1.19	Y	Y		100%	2.83	0.851	0.187
0728	603.20	AG1 (ppb)	LC			N	N	2	0.00%	NoZ	0.851	0.187
2066	603.20	AG1 (ppb)	LC			N	N	0.14	99.99%	NoZ	0.851	0.187
0098	603.21	AG1 (ppb)	LC-PCD FI			N	N	15	0.00%	NoZ	0.851	0.187
0619	603.23	AG1 (ppb)	LC-MS/MS	0.257	0.109	Y	Y		100%	-3.57	0.851	0.187
0918	603.23	AG1 (ppb)	LC-MS/MS	0.99	0.987	Y	Y		100%	0.74	0.851	0.187
0218	603.23	AG1 (ppb)	LC-MS/MS		2.5	N	Y	1	21.21%	8.82	0.851	0.187
0001	603.23	AG1 (ppb)	LC-MS/MS	4.2	1	Y	Y		100%	9.35	0.851	0.187
0553	603.23	AG1 (ppb)	LC-MS/MS			N	N	5	0.00%	NoZ	0.851	0.187
0913	603.23	AG1 (ppb)	LC-MS/MS			N	N	1	21.21%	NoZ	0.851	0.187

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						D1	D2					
2033	603.23	AG1 (ppb)	LC-MS/MS			N	N	1	21.21%	NoZ	0.851	0.187
2140	603.23	AG1 (ppb)	LC-MS/MS			N	N	20	0.00%	NoZ	0.851	0.187
0226	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	5	0.00%	NoZ	0.851	0.187
2023	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI			N	N	0.6	90.97%	NoZ	0.851	0.187
0728	604.20	AG2 (ppb)	LC			N	N	2			ND (0.5)	
0913	604.20	AG2 (ppb)	LC			N	N	1			ND (0.5)	
2066	604.20	AG2 (ppb)	LC			N	N	0.14			ND (0.5)	
0098	604.21	AG2 (ppb)	LC-PCD FI			N	N	5			ND (0.5)	
0001	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0218	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0553	604.23	AG2 (ppb)	LC-MS/MS			N	N	5			ND (0.5)	
0619	604.23	AG2 (ppb)	LC-MS/MS	0	0	Y	Y				ND (0.5)	
0913	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0918	604.23	AG2 (ppb)	LC-MS/MS	0.08		Y	N	0.03			ND (0.5)	
2033	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2140	604.23	AG2 (ppb)	LC-MS/MS			N	N	20			ND (0.5)	
0226	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	5			ND (0.5)	
2023	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	
0529	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.4	1.4	Y	Y		100%	-6.42	1,202	187
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	800	800	Y	Y		100%	-2.15	1,202	187
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,100	1,200	Y	Y		100%	-0.28	1,202	187
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,400	1,300	Y	Y		100%	0.79	1,202	187
2098	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,500	1,400	Y	Y		100%	1.33	1,202	187
2096	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,600	1,400	Y	Y		100%	1.59	1,202	187
2113	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,600	1,500	Y	Y		100%	1.86	1,202	187
0208	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,460	1,660	Y	Y		100%	1.91	1,202	187
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,900	1,900	Y	Y		100%	3.73	1,202	187
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	1.1	1.1	Y	Y		100%	-6.42	1,202	187
0009	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	1,155	1,220	Y	Y		100%	-0.08	1,202	187
0407	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	1,450	1,443	Y	Y		100%	1.31	1,202	187
2066	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	1,970	2,130	Y	Y		100%	4.53	1,202	187
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	1,565	1,559	Y	Y		100%	1.92	1,202	187
0226	610.09	Deoxynivalenol (ppb)	Vicam DON-V	1,100	1,000	Y	Y		100%	-0.81	1,202	187
0098	610.20	Deoxynivalenol (ppb)	LC	1,000	1,000	Y	Y		100%	-1.08	1,202	187
2023	610.20	Deoxynivalenol (ppb)	LC	1,207	1,252	Y	Y		100%	0.15	1,202	187
0913	610.20	Deoxynivalenol (ppb)	LC	1,243	1,257	Y	Y		100%	0.26	1,202	187
0013	610.20	Deoxynivalenol (ppb)	LC	1,260	1,290	Y	Y		100%	0.39	1,202	187
0596	610.20	Deoxynivalenol (ppb)	LC	1,425	1,500	Y	Y		100%	1.39	1,202	187
0728	610.20	Deoxynivalenol (ppb)	LC	1,532	1,456	Y	Y		100%	1.56	1,202	187
0913	610.23	Deoxynivalenol (ppb)	LC-MS/MS	490	510	Y	Y		100%	-3.75	1,202	187
0619	610.23	Deoxynivalenol (ppb)	LC-MS/MS	761	699	Y	Y		100%	-2.52	1,202	187
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	901	880	Y	Y		100%	-1.67	1,202	187
0028	610.23	Deoxynivalenol (ppb)	LC-MS/MS	999	929	Y	Y		100%	-1.27	1,202	187
0001	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,097	1,010	Y	Y		100%	-0.79	1,202	187
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,155	957	Y	Y		100%	-0.78	1,202	187

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,110	1,410	Y	Y		100%	0.31	1,202	187
2140	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,311	1,321	Y	Y		100%	0.61	1,202	187
0613	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,473	2,542	Y	Y		100%	6.98	1,202	187
0218	610.25	Deoxynivalenol (ppb)	GC-MS	978	895	Y	Y		100%	-1.42	1,202	187
2050	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	1.1	1.2	Y	Y		100%	-6.42	1,202	187
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3,060	2,780	Y	Y		100%	1.17	2,512	349.8
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3,200	3,150	Y	Y		100%	1.90	2,512	349.8
2113	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3,600	3,700	Y	Y		100%	3.25	2,512	349.8
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3,000	5,000	Y	Y		100%	4.26	2,512	349.8
0529	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	3	3.4	Y	Y		100%	-7.17	2,512	349.8
2098	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	3,090	3,030	Y	Y		100%	1.57	2,512	349.8
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	3.5	3.4	Y	Y		100%	-7.17	2,512	349.8
0407	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2,737	2,655	Y	Y		100%	0.53	2,512	349.8
2066	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM			N	N	200	100.00%	NoZ	2,512	349.8
0004	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	2,500	2,500	Y	Y		100%	-0.03	2,512	349.8
0098	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	2,600	2,800	Y	Y		100%	0.54	2,512	349.8
0596	620.20	Total Fumonisin (ppb)	LC	182.3	180	Y	Y		100%	-6.66	2,512	349.8
2023	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	3,719	3,331	Y	Y		100%	-7.17	2,512	349.8
0226	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	1,300	1,500	Y	Y		100%	-3.18	2,512	349.8
0613	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,744	2,573	Y	Y		100%	-1.01	2,512	349.8
0619	620.23	Total Fumonisin (ppb)	LC-MS/MS	2,769	2,908	Y	Y		100%	0.93	2,512	349.8
0010	620.23	Total Fumonisin (ppb)	LC-MS/MS	3,000	3,000	Y	Y		100%	1.40	2,512	349.8
0035	620.99	Total Fumonisin (ppb)	Miscellaneous	3,615	3,682	Y	Y		100%	3.25	2,512	349.8
0596	621.20	FB1 (ppb)	LC	158.9	150.2	Y	Y		100%	-6.62	2,312	326
0098	621.20	FB1 (ppb)	LC	2,100	2,300	Y	Y		100%	-0.34	2,312	326
0913	621.20	FB1 (ppb)	LC	2,250	2,400	Y	Y		100%	0.04	2,312	326
0226	621.21	FB1 (ppb)	LC-FI OPA der.	800	1,100	Y	Y		100%	-4.18	2,312	326
0613	621.23	FB1 (ppb)	LC-MS/MS	1,207	1,975	Y	Y		100%	-2.21	2,312	326
0553	621.23	FB1 (ppb)	LC-MS/MS	1,804	1,852	Y	Y		100%	-1.48	2,312	326
0619	621.23	FB1 (ppb)	LC-MS/MS	2,230	2,336	Y	Y		100%	-0.09	2,312	326
0218	621.23	FB1 (ppb)	LC-MS/MS	2,650	2,350	Y	Y		100%	0.58	2,312	326
2033	621.23	FB1 (ppb)	LC-MS/MS	2,572	2,473	Y	Y		100%	0.65	2,312	326
0001	621.23	FB1 (ppb)	LC-MS/MS	2,751	2,546	Y	Y		100%	1.03	2,312	326
0913	621.23	FB1 (ppb)	LC-MS/MS	2,880	2,850	Y	Y		100%	1.70	2,312	326
2140	621.23	FB1 (ppb)	LC-MS/MS	3,406	3,356	Y	Y		100%	3.28	2,312	326
0596	622.20	FB2 (ppb)	LC	23.48	29.76	Y	Y		100%	-5.54	604.7	104.3
0098	622.20	FB2 (ppb)	LC	500	500	Y	Y		100%	-1.00	604.7	104.3
0913	622.20	FB2 (ppb)	LC	568.1	637.3	Y	Y		100%	-0.02	604.7	104.3
0226	622.21	FB2 (ppb)	LC-FI OPA der.	500	400	Y	Y		100%	-1.48	604.7	104.3
0218	622.23	FB2 (ppb)	LC-MS/MS	517	541	Y	Y		100%	-0.73	604.7	104.3
0619	622.23	FB2 (ppb)	LC-MS/MS	539	573	Y	Y		100%	-0.47	604.7	104.3
0613	622.23	FB2 (ppb)	LC-MS/MS	537.3	598.8	Y	Y		100%	-0.35	604.7	104.3
0553	622.23	FB2 (ppb)	LC-MS/MS	721.1	476	Y	Y		100%	-0.06	604.7	104.3
0913	622.23	FB2 (ppb)	LC-MS/MS	780	670	Y	Y		100%	1.15	604.7	104.3
2140	622.23	FB2 (ppb)	LC-MS/MS	782	778	Y	Y		100%	1.68	604.7	104.3

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0001	622.23	FB2 (ppb)	LC-MS/MS	840	739	Y	Y		100%	1.77	604.7	104.3
2033	622.23	FB2 (ppb)	LC-MS/MS	805	806	Y	Y		100%	1.92	604.7	104.3
0913	623.20	FB3 (ppb)	LC	340	430	Y	Y		100%	0.84	332.3	62.747
0226	623.21	FB3 (ppb)	LC-FI OPA der.			N	N	300	69.68%	NoZ	332.3	62.747
0553	623.23	FB3 (ppb)	LC-MS/MS	299	219.6	Y	Y		100%	-1.16	332.3	62.747
2033	623.23	FB3 (ppb)	LC-MS/MS	322	338	Y	Y		100%	-0.04	332.3	62.747
0913	623.23	FB3 (ppb)	LC-MS/MS	380	330	Y	Y		100%	0.36	332.3	62.747
0529	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	40.3	35.8	Y	Y		100%	-3.48	147.6	31.487
0003	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	49.7	43.6	Y	Y		100%	-3.21	147.6	31.487
2098	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	157	157	Y	Y		100%	0.30	147.6	31.487
0227	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	185	176	Y	Y		100%	1.05	147.6	31.487
0407	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och	132	131.3	Y	Y		100%	-0.51	147.6	31.487
2066	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och	199.4	211.5	Y	Y		100%	1.84	147.6	31.487
0226	630.06	Ochratoxin A (ppb)	Vicam OchraTest	73.9	67.7	Y	Y		100%	-2.44	147.6	31.487
0613	630.06	Ochratoxin A (ppb)	Vicam OchraTest	168.2	156.9	Y	Y		100%	0.48	147.6	31.487
0728	630.20	Ochratoxin A (ppb)	LC	127	107	Y	Y		100%	-0.97	147.6	31.487
0913	630.20	Ochratoxin A (ppb)	LC	140.4	133	Y	Y		100%	-0.35	147.6	31.487
2023	630.20	Ochratoxin A (ppb)	LC	186	187	Y	Y		100%	1.24	147.6	31.487
0098	630.20	Ochratoxin A (ppb)	LC	185	202	Y	Y		100%	1.46	147.6	31.487
2066	630.20	Ochratoxin A (ppb)	LC	208.4	218.7	Y	Y		100%	2.10	147.6	31.487
0596	630.20	Ochratoxin A (ppb)	LC	342	331.3	Y	Y		100%	6.00	147.6	31.487
0913	630.23	Ochratoxin A (ppb)	LC-MS/MS	90.3	108.5	Y	Y		100%	-1.53	147.6	31.487
0001	630.23	Ochratoxin A (ppb)	LC-MS/MS	110	105	Y	Y		100%	-1.27	147.6	31.487
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	98	130	Y	Y		100%	-1.07	147.6	31.487
0619	630.23	Ochratoxin A (ppb)	LC-MS/MS	117	131	Y	Y		100%	-0.75	147.6	31.487
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	151	143	Y	Y		100%	-0.02	147.6	31.487
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	149	158	Y	Y		100%	0.19	147.6	31.487
0613	630.23	Ochratoxin A (ppb)	LC-MS/MS	168.2	156.9	Y	Y		100%	0.48	147.6	31.487
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	182.6	144.8	Y	Y		100%	0.51	147.6	31.487
2140	630.23	Ochratoxin A (ppb)	LC-MS/MS	170	186	Y	Y		100%	0.97	147.6	31.487
0407	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	103.4	104.4	Y	Y		100%	2.58	66.294	14.585
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2			N	N	100	1.04%	NoZ	66.294	14.585
0596	640.20	T-2 (ppb)	LC	14.65	20.15	Y	Y		100%	-3.35	66.294	14.585
0728	640.20	T-2 (ppb)	LC			N	N	5.2	100.00%	NoZ	66.294	14.585
2033	640.23	T-2 (ppb)	LC-MS/MS	53.6	40	Y	Y		100%	-1.34	66.294	14.585
0918	640.23	T-2 (ppb)	LC-MS/MS	49.8	44.1	Y	Y		100%	-1.33	66.294	14.585
0913	640.23	T-2 (ppb)	LC-MS/MS	63.9	57.3	Y	Y		100%	-0.39	66.294	14.585
0001	640.23	T-2 (ppb)	LC-MS/MS	66	60	Y	Y		100%	-0.23	66.294	14.585
0619	640.23	T-2 (ppb)	LC-MS/MS	68.7	76.9	Y	Y		100%	0.45	66.294	14.585
0218	640.23	T-2 (ppb)	LC-MS/MS	87	85	Y	Y		100%	1.35	66.294	14.585
2140	640.23	T-2 (ppb)	LC-MS/MS	90	99	Y	Y		100%	1.93	66.294	14.585
0553	640.23	T-2 (ppb)	LC-MS/MS			N	N	50	86.81%	NoZ	66.294	14.585
0913	640.24	T-2 (ppb)	GC-ECD	82.75	124.6	Y	Y		100%	2.56	66.294	14.585
2033	641.23	HT-2 (ppb)	LC-MS/MS	45	37	Y	Y		100%	-2.33	84.144	18.512
0619	641.23	HT-2 (ppb)	LC-MS/MS	82.3	74.3	Y	Y		100%	-0.32	84.144	18.512

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0913	641.23	HT-2 (ppb)	LC-MS/MS	85.3	82.4	Y	Y		100%	-0.02	84.144	18.512
2140	641.23	HT-2 (ppb)	LC-MS/MS	112	120	Y	Y		100%	1.72	84.144	18.512
0913	641.24	HT-2 (ppb)	GC-ECD	96.57	106.6	Y	Y		100%	0.94	84.144	18.512
0596	642.02	T-2 + HT-2 (ppb)	LC	27.82	31.02	Y	Y		100%	-3.84	156.1	33.02
0613	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	155	155.7	Y	Y		100%	-0.02	156.1	33.02
0529	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	191	175.2	Y	Y		100%	0.82	156.1	33.02
2113	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	195.6	197.8	Y	Y		100%	1.23	156.1	33.02
2098	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	223.1	208.6	Y	Y		100%	1.81	156.1	33.02
2113	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	295.8	333.2	Y	Y		100%	0.56	283.7	54.855
2098	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	312.3	341.7	Y	Y		100%	0.79	283.7	54.855
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	357	328	Y	Y		100%	1.07	283.7	54.855
0227	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	376	464	Y	Y		100%	2.48	283.7	54.855
0003	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	455	389	Y	Y		100%	2.52	283.7	54.855
0529	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	461.6	476.5	Y	Y		100%	3.38	283.7	54.855
0683	650.04	Zearalenone (ppb)	Romer AgraQuant ZON	882.5	999.5	Y	Y		100%	11.98	283.7	54.855
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	146.5	143.5	Y	Y		100%	-2.53	283.7	54.855
0009	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	264.9	258.6	Y	Y		100%	-0.40	283.7	54.855
2066	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	357.3	390	Y	Y		100%	1.64	283.7	54.855
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	241.2	256	Y	Y		100%	-0.64	283.7	54.855
0407	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	415.6	362.5	Y	Y		100%	1.92	283.7	54.855
2023	650.20	Zearalenone (ppb)	LC	43	45	Y	Y		100%	-4.37	283.7	54.855
0728	650.20	Zearalenone (ppb)	LC	172	155	Y	Y		100%	-2.19	283.7	54.855
0098	650.20	Zearalenone (ppb)	LC	220	170	Y	Y		100%	-1.62	283.7	54.855
0913	650.20	Zearalenone (ppb)	LC	252.3	257.3	Y	Y		100%	-0.53	283.7	54.855
0646	650.20	Zearalenone (ppb)	LC	392.6	391.7	Y	Y		100%	1.98	283.7	54.855
0596	650.20	Zearalenone (ppb)	LC	3,523	3,321	Y	Y		100%	57.22	283.7	54.855
0226	650.22	Zearalenone (ppb)	LC-FI, AOCS	200	300	Y	Y		100%	-0.61	283.7	54.855
0918	650.24	Zearalenone (ppb)	LC-MS/MS	101	112	Y	Y		100%	-3.23	283.7	54.855
0913	650.24	Zearalenone (ppb)	LC-MS/MS	181.9	170.8	Y	Y		100%	-1.96	283.7	54.855
2033	650.24	Zearalenone (ppb)	LC-MS/MS	160	200	Y	Y		100%	-1.89	283.7	54.855
0619	650.24	Zearalenone (ppb)	LC-MS/MS	211	227	Y	Y		100%	-1.18	283.7	54.855
0001	650.24	Zearalenone (ppb)	LC-MS/MS	242	230	Y	Y		100%	-0.87	283.7	54.855
0613	650.24	Zearalenone (ppb)	LC-MS/MS	261.8	240	Y	Y		100%	-0.60	283.7	54.855
0553	650.24	Zearalenone (ppb)	LC-MS/MS	255	304.7	Y	Y		100%	-0.07	283.7	54.855
0218	650.24	Zearalenone (ppb)	LC-MS/MS	334	333	Y	Y		100%	0.91	283.7	54.855
2140	650.24	Zearalenone (ppb)	LC-MS/MS	412	346	Y	Y		100%	1.74	283.7	54.855

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 asterix on the Analyte name indicates Reference Lab Value Used as Assigned Value and Z scores are calculated against the reference Lab.