

**Mycotoxin Proficiency Testing**

**Issue Date: 10/31/2016**

**Analytes for Sample # 201663 Poultry Feed, Medicated**

**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					
0619	600.24	Total Aflatoxin (ppb)	LC-MS/MS	6.79	5.21	Y	Y		100%	-1.75	9.763	2.148
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	6.4	6.1	Y	Y		100%	-1.64	9.763	2.148
0208	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	7.8	6.16	Y	Y		100%	-1.30	9.763	2.148
2113	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	7.1	7.7	Y	Y		100%	-1.10	9.763	2.148
2098	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	7.4	7.5	Y	Y		100%	-1.08	9.763	2.148
0964	600.21	Total Aflatoxin (ppb)	LC-PCD FI	8.2	7.7	Y	Y		100%	-0.84	9.763	2.148
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	7.4	8.7	Y	Y		100%	-0.80	9.763	2.148
2131	600.11	Total Aflatoxin (ppb)	r-Biopharm Ridascreen Afl total	8.1	8.2	Y	Y		100%	-0.75	9.763	2.148
0034	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	8.2	8.45	Y	Y		100%	-0.67	9.763	2.148
0529	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	8.1	8.6	Y	Y		100%	-0.66	9.763	2.148
0027	600.21	Total Aflatoxin (ppb)	LC-PCD FI	7.719	9.024	Y	Y		100%	-0.65	9.763	2.148
0042	600.20	Total Aflatoxin (ppb)	LC	9	8	Y	Y		100%	-0.59	9.763	2.148
0017	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	7.7	9.3	Y	Y		100%	-0.59	9.763	2.148
0964	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	8.5	8.9	Y	Y		100%	-0.49	9.763	2.148
0033	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	8.5	9.1	Y	Y		100%	-0.45	9.763	2.148
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	9	9	Y	Y		100%	-0.36	9.763	2.148
0010	600.21	Total Aflatoxin (ppb)	LC-PCD FI	9	9	Y	Y		100%	-0.36	9.763	2.148
0226	600.20	Total Aflatoxin (ppb)	LC	8.9	10	Y	Y		100%	-0.15	9.763	2.148
0613	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	8.46	11.83	Y	Y		100%	0.18	9.763	2.148
0613	600.24	Total Aflatoxin (ppb)	LC-MS/MS	8.46	11.83	Y	Y		100%	0.18	9.763	2.148
0098	600.21	Total Aflatoxin (ppb)	LC-PCD FI	9.97	10.33	Y	Y		100%	0.18	9.763	2.148
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	11.5	11.1	Y	Y		100%	0.72	9.763	2.148
0009	600.21	Total Aflatoxin (ppb)	LC-PCD FI	11.729	10.883	Y	Y		100%	0.72	9.763	2.148
0656	600.07	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 1-20ppb	12.03	10.71	Y	Y		100%	0.75	9.763	2.148
2066	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	9.64	13.82	Y	Y		100%	0.92	9.763	2.148
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	12	12	Y	Y		100%	1.04	9.763	2.148
0656	600.04	Total Aflatoxin (ppb)	Charm ROSA Fast 5 Aflatoxin Quant	18	6	Y	Y		100%	1.04	9.763	2.148
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	12.314	12.209	Y	Y		100%	1.16	9.763	2.148
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	11.8	13.8	Y	Y		100%	1.41	9.763	2.148
2066	600.20	Total Aflatoxin (ppb)	LC	13.1	13.5	Y	Y		100%	1.65	9.763	2.148
0683	600.08	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 4-40ppb	15.5	12	Y	Y		100%	1.86	9.763	2.148
0218	600.24	Total Aflatoxin (ppb)	LC-MS/MS	13.7	14	Y	Y		100%	1.90	9.763	2.148
0407	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	20.605	22.11	Y	Y		100%	5.40	9.763	2.148
0619	601.23	AB1 (ppb)	LC-MS/MS	6.79	5.21	Y	Y		100%	-1.64	9.384	2.064
0613	601.23	AB1 (ppb)	LC-MS/MS	5.46	7.83	Y	Y		100%	-1.33	9.384	2.064
0964	601.21	AB1 (ppb)	LC-PCD FI	6.83	6.7	Y	Y		100%	-1.27	9.384	2.064
2023	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	6.8	7.3	Y	Y		100%	-1.13	9.384	2.064
0027	601.21	AB1 (ppb)	LC-PCD FI	6.833	7.8	Y	Y		100%	-1.00	9.384	2.064

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0028	601.23	AB1 (ppb)	LC-MS/MS	7.13	7.92	Y	Y		100%	-0.90	9.384	2.064
0918	601.23	AB1 (ppb)	LC-MS/MS	7.7	7.5	Y	Y		100%	-0.86	9.384	2.064
0098	601.21	AB1 (ppb)	LC-PCD FI	8.58	8.68	Y	Y		100%	-0.37	9.384	2.064
0226	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	8.2	9.2	Y	Y		100%	-0.33	9.384	2.064
2066	601.20	AB1 (ppb)	LC	9.51	10.04	Y	Y		100%	0.19	9.384	2.064
0913	601.20	AB1 (ppb)	LC	9.33	10.32	Y	Y		100%	0.21	9.384	2.064
0009	601.21	AB1 (ppb)	LC-PCD FI	10.673	9.942	Y	Y		100%	0.45	9.384	2.064
2033	601.23	AB1 (ppb)	LC-MS/MS	10.3	12.1	Y	Y		100%	0.88	9.384	2.064
0646	601.20	AB1 (ppb)	LC	12.33	12.34	Y	Y		100%	1.43	9.384	2.064
0218	601.23	AB1 (ppb)	LC-MS/MS	12.3	12.6	Y	Y		100%	1.49	9.384	2.064
0913	601.23	AB1 (ppb)	LC-MS/MS	14.75	14.65	Y	Y		100%	2.57	9.384	2.064
0553	601.23	AB1 (ppb)	LC-MS/MS	21.31	19.73	Y	Y		100%	5.39	9.384	2.064
2140	601.23	AB1 (ppb)	LC-MS/MS			N	N	20	0.00%	NoZ	9.384	2.064
0918	602.23	AB2 (ppb)	LC-MS/MS	0.65	0.77	Y	Y		100%	-1.82	1.185	0.261
0226	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	0.7	0.8	Y	Y		100%	-1.67	1.185	0.261
0009	602.21	AB2 (ppb)	LC-PCD FI	1.056	0.941	Y	Y		100%	-0.71	1.185	0.261
0913	602.20	AB2 (ppb)	LC	1	1	Y	Y		100%	-0.71	1.185	0.261
0027	602.21	AB2 (ppb)	LC-PCD FI	0.886	1.224	Y	Y		100%	-0.50	1.185	0.261
2033	602.23	AB2 (ppb)	LC-MS/MS	1.12	1.1	Y	Y		100%	-0.29	1.185	0.261
0964	602.21	AB2 (ppb)	LC-PCD FI	1.36	1	Y	Y		100%	-0.02	1.185	0.261
0028	602.23	AB2 (ppb)	LC-MS/MS	1.06	1.36	Y	Y		100%	0.10	1.185	0.261
0218	602.23	AB2 (ppb)	LC-MS/MS	1.4	1.4	Y	Y		100%	0.83	1.185	0.261
2066	602.20	AB2 (ppb)	LC	1.39	1.42	Y	Y		100%	0.85	1.185	0.261
0098	602.21	AB2 (ppb)	LC-PCD FI	1.39	1.65	Y	Y		100%	1.29	1.185	0.261
0913	602.23	AB2 (ppb)	LC-MS/MS	2.78	2.81	Y	Y		100%	6.18	1.185	0.261
0553	602.23	AB2 (ppb)	LC-MS/MS	7.87	3.07	Y	Y		100%	16.45	1.185	0.261
0646	602.20	AB2 (ppb)	LC	6.29	6.24	Y	Y		100%	19.50	1.185	0.261
0613	602.23	AB2 (ppb)	LC-MS/MS			N	N	1	76.05%	NoZ	1.185	0.261
2140	602.23	AB2 (ppb)	LC-MS/MS			N	N	20	0.00%	NoZ	1.185	0.261
2023	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI			N	N	0.6	98.76%	NoZ	1.185	0.261
0913	603.20	AG1* (ppb)	LC			N	N	1			ND (0.5)	
2066	603.20	AG1* (ppb)	LC	1.71	1.62	Y	Y				ND (0.5)	
0098	603.21	AG1* (ppb)	LC-PCD FI			N	N	15			ND (0.5)	
0964	603.21	AG1* (ppb)	LC-PCD FI			N	N	1			ND (0.5)	
0218	603.23	AG1* (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0553	603.23	AG1* (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0613	603.23	AG1* (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0913	603.23	AG1* (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0918	603.23	AG1* (ppb)	LC-MS/MS	0.3	0.1	Y	Y				ND (0.5)	
2033	603.23	AG1* (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2140	603.23	AG1* (ppb)	LC-MS/MS			N	N	20			ND (0.5)	
0226	603.24	AG1* (ppb)	Vicam Aflatest, LC-FI			N	N	5			ND (0.5)	
2023	603.24	AG1* (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	
0913	604.20	AG2* (ppb)	LC			N	N	1			ND (0.5)	
2066	604.20	AG2* (ppb)	LC	0.53	0.42	Y	Y				ND (0.5)	
0098	604.21	AG2* (ppb)	LC-PCD FI			N	N	5			ND (0.5)	

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0964	604.21	AG2* (ppb)	LC-PCD FI			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	1			ND (0.5)	
0613	604.23	AG2* (ppb)	LC-MS/MS			N	N	1			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			N	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)	
0017	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2	0.5	Y	Y		100%	-6.66	1,525	228.9
2131	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	1,282	1,284	Y	Y		100%	-6.66	1,525	228.9
0529	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.5	1.5	Y	Y		100%	-6.65	1,525	228.9
0913	610.23	Deoxynivalenol (ppb)	LC-MS/MS	890	1,080	Y	Y		100%	-2.36	1,525	228.9
0619	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,077	1,034	Y	Y		100%	-2.05	1,525	228.9
2023	610.20	Deoxynivalenol (ppb)	LC	1,261	1,268	Y	Y		100%	-1.14	1,525	228.9
0009	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	1,280	1,285	Y	Y		100%	-1.06	1,525	228.9
0913	610.20	Deoxynivalenol (ppb)	LC	1,275	1,313	Y	Y		100%	-1.01	1,525	228.9
0656	610.04	Deoxynivalenol (ppb)	Charm ROSA Fast 5 DON Quant	1,400	1,200	Y	Y		100%	-0.98	1,525	228.9
0098	610.20	Deoxynivalenol (ppb)	LC	1,100	1,600	Y	Y		100%	-0.76	1,525	228.9
2050	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	1,300	1,400	Y	Y		100%	-0.76	1,525	228.9
0218	610.25	Deoxynivalenol (ppb)	GC-MS	1,303	1,422	Y	Y		100%	-0.71	1,525	228.9
0028	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,367	1,368	Y	Y		100%	-0.69	1,525	228.9
0226	610.09	Deoxynivalenol (ppb)	Vicam DON-V	1,400	1,400	Y	Y		100%	-0.55	1,525	228.9
2140	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,439	1,424	Y	Y		100%	-0.41	1,525	228.9
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	1,500	1,500	Y	Y		100%	-0.11	1,525	228.9
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,610	1,510	Y	Y		100%	0.15	1,525	228.9
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,500	1,700	Y	Y		100%	0.33	1,525	228.9
2098	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,600	1,600	Y	Y		100%	0.33	1,525	228.9
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2,027	1,188	Y	Y		100%	0.36	1,525	228.9
0407	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	1,705	1,532	Y	Y		100%	0.41	1,525	228.9
2096	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,900	1,500	Y	Y		100%	0.76	1,525	228.9
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,800	1,600	Y	Y		100%	0.76	1,525	228.9
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,900	1,600	Y	Y		100%	0.98	1,525	228.9
2066	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	1,710	1,860	Y	Y		100%	1.14	1,525	228.9
0208	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,970	1,710	Y	Y		100%	1.38	1,525	228.9
2113	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,700	2,000	Y	Y		100%	1.42	1,525	228.9
0656	610.05	Deoxynivalenol (ppb)	Romer AgraQuant DON	2,040	1,840	Y	Y		100%	1.81	1,525	228.9
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,200	2,400	Y	Y		100%	3.39	1,525	228.9
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON SC	2,414	2,205	Y	Y		100%	3.43	1,525	228.9
0613	610.23	Deoxynivalenol (ppb)	LC-MS/MS	3,386	1,340	Y	Y		100%	3.66	1,525	228.9
0964	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2,900	2,600	Y	Y		100%	5.35	1,525	228.9
0596	610.21	Deoxynivalenol (ppb)	LC-FI	3,080	2,757	Y	Y		100%	6.09	1,525	228.9
0529	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	1.4	1.3	Y	Y		100%	-6.42	1,208	187.9
2131	620.08	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fumonisin	1.505	1.476	Y	Y		100%	-6.42	1,208	187.9
0017	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1.2	2	Y	Y		100%	-6.42	1,208	187.9

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
2023	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	864	588	Y	Y		100%	-2.57	1,208	187.9
2066	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	710	800	Y	Y		100%	-2.41	1,208	187.9
0004	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	800	800	Y	Y		100%	-2.17	1,208	187.9
0226	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	300	1,600	Y	Y		100%	-1.38	1,208	187.9
0613	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,001	1,062	Y	Y		100%	-0.94	1,208	187.9
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,100	1,000	Y	Y		100%	-0.84	1,208	187.9
0619	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,249	1,274	Y	Y		100%	0.28	1,208	187.9
0407	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,228	1,326	Y	Y		100%	0.36	1,208	187.9
0098	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	1,400	1,200	Y	Y		100%	0.49	1,208	187.9
0033	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,500	1,200	Y	Y		100%	0.75	1,208	187.9
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,400	1,300	Y	Y		100%	0.75	1,208	187.9
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	1,419	1,302	Y	Y		100%	0.81	1,208	187.9
2098	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	1,400	1,460	Y	Y		100%	1.18	1,208	187.9
0010	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,500	1,400	Y	Y		100%	1.29	1,208	187.9
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,000	2,000	Y	Y		100%	1.55	1,208	187.9
0964	620.21	Total Fumonisin (ppb)	LC-FI OPA der.	1,624	1,403	Y	Y		100%	1.62	1,208	187.9
0964	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,500	1,600	Y	Y		100%	1.82	1,208	187.9
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	1,300	1,890	Y	Y		100%	2.06	1,208	187.9
0656	620.07	Total Fumonisin (ppb)	Romer AgraQuant Total Fumonisin	2,630	2,470	Y	Y		100%	7.14	1,208	187.9
0656	620.04	Total Fumonisin (ppb)	Charm ROSA Fast 5 FUMQ	2,800	2,800	Y	Y		100%	8.47	1,208	187.9
0613	621.23	FB1 (ppb)	LC-MS/MS	769.9	854.5	Y	Y		100%	-1.72	1,114	175.4
0226	621.21	FB1 (ppb)	LC-FI OPA der.	300	1,400	Y	Y		100%	-1.51	1,114	175.4
0913	621.23	FB1 (ppb)	LC-MS/MS	870	890	Y	Y		100%	-1.34	1,114	175.4
0619	621.23	FB1 (ppb)	LC-MS/MS	1,030	1,050	Y	Y		100%	-0.42	1,114	175.4
0098	621.20	FB1 (ppb)	LC	1,100	1,000	Y	Y		100%	-0.37	1,114	175.4
0964	621.21	FB1 (ppb)	LC-FI OPA der.	1,175	989.9	Y	Y		100%	-0.18	1,114	175.4
2033	621.23	FB1 (ppb)	LC-MS/MS	1,123	1,125	Y	Y		100%	0.06	1,114	175.4
0218	621.23	FB1 (ppb)	LC-MS/MS	1,130	1,210	Y	Y		100%	0.32	1,114	175.4
0913	621.20	FB1 (ppb)	LC	1,310	1,150	Y	Y		100%	0.66	1,114	175.4
0553	621.23	FB1 (ppb)	LC-MS/MS	1,506	1,197	Y	Y		100%	1.35	1,114	175.4
2140	621.23	FB1 (ppb)	LC-MS/MS	1,399	1,404	Y	Y		100%	1.64	1,114	175.4
0226	622.21	FB2 (ppb)	LC-FI OPA der.		200	N	Y	300	60.39%	-1.93	315.8	60.093
0613	622.23	FB2 (ppb)	LC-MS/MS	231	207.2	Y	Y		100%	-1.61	315.8	60.093
0619	622.23	FB2 (ppb)	LC-MS/MS	219	224	Y	Y		100%	-1.57	315.8	60.093
0218	622.23	FB2 (ppb)	LC-MS/MS	251	232	Y	Y		100%	-1.24	315.8	60.093
0098	622.20	FB2 (ppb)	LC	300	200	Y	Y		100%	-1.10	315.8	60.093
0913	622.23	FB2 (ppb)	LC-MS/MS	250	250	Y	Y		100%	-1.10	315.8	60.093
0913	622.20	FB2 (ppb)	LC	310	330	Y	Y		100%	0.07	315.8	60.093
2140	622.23	FB2 (ppb)	LC-MS/MS	320	349	Y	Y		100%	0.31	315.8	60.093
2033	622.23	FB2 (ppb)	LC-MS/MS	445	383	Y	Y		100%	1.63	315.8	60.093
0964	622.21	FB2 (ppb)	LC-FI OPA der.	449.2	410.5	Y	Y		100%	1.90	315.8	60.093
0553	622.23	FB2 (ppb)	LC-MS/MS	523.5	444.2	Y	Y		100%	2.80	315.8	60.093
0913	623.23	FB3 (ppb)	LC-MS/MS	70	60	Y	Y		100%	-2.81	159.8	33.694
2033	623.23	FB3 (ppb)	LC-MS/MS	178	132	Y	Y		100%	-0.14	159.8	33.694
0913	623.20	FB3 (ppb)	LC	260	100	Y	Y		100%	0.60	159.8	33.694
0553	623.23	FB3 (ppb)	LC-MS/MS	308.2	170.5	Y	Y		100%	2.36	159.8	33.694

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0226	623.21	FB3 (ppb)	LC-FI OPA der.			N	N	300	0.00%	NoZ	159.8	33.694
0529	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	58.4	46	Y	Y		100%	-3.25	164.3	34.484
0613	630.06	Ochratoxin A (ppb)	Vicam OchraTest	79.8	84.8	Y	Y		100%	-2.38	164.3	34.484
0613	630.23	Ochratoxin A (ppb)	LC-MS/MS	79.8	84.8	Y	Y		100%	-2.38	164.3	34.484
0226	630.06	Ochratoxin A (ppb)	Vicam OchraTest	80.5	99.4	Y	Y		100%	-2.15	164.3	34.484
0964	630.21	Ochratoxin A (ppb)	LC-PCD FI	95.67	99.55	Y	Y		100%	-1.93	164.3	34.484
0227	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	109	117	Y	Y		100%	-1.49	164.3	34.484
0964	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	132.9	134	Y	Y		100%	-0.89	164.3	34.484
0407	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	147.2	149.1	Y	Y		100%	-0.47	164.3	34.484
0656	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	143.5	154.5	Y	Y		100%	-0.44	164.3	34.484
0656	630.02	Ochratoxin A (ppb)	Charm ROSA Ochratoxin	150	150	Y	Y		100%	-0.41	164.3	34.484
2023	630.20	Ochratoxin A (ppb)	LC	139	189	Y	Y		100%	-0.01	164.3	34.484
2098	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	165	168	Y	Y		100%	0.06	164.3	34.484
0596	630.21	Ochratoxin A (ppb)	LC-PCD FI	170.8	165.3	Y	Y		100%	0.11	164.3	34.484
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	180	160	Y	Y		100%	0.17	164.3	34.484
0619	630.23	Ochratoxin A (ppb)	LC-MS/MS	173	169	Y	Y		100%	0.20	164.3	34.484
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	165	196	Y	Y		100%	0.47	164.3	34.484
2140	630.23	Ochratoxin A (ppb)	LC-MS/MS	194	198	Y	Y		100%	0.92	164.3	34.484
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	201	202	Y	Y		100%	1.08	164.3	34.484
2066	630.20	Ochratoxin A (ppb)	LC	223.2	213.6	Y	Y		100%	1.57	164.3	34.484
0098	630.20	Ochratoxin A (ppb)	LC	210	239	Y	Y		100%	1.75	164.3	34.484
0913	630.20	Ochratoxin A (ppb)	LC	257.9	200.5	Y	Y		100%	1.88	164.3	34.484
0913	630.23	Ochratoxin A (ppb)	LC-MS/MS	234.4	232.1	Y	Y		100%	2.00	164.3	34.484
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	260.3	229.8	Y	Y		100%	2.34	164.3	34.484
2066	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	259.9	273.6	Y	Y		100%	2.97	164.3	34.484
0918	640.23	T-2 (ppb)	LC-MS/MS	35.8	37.4	Y	Y		100%	-2.76	93.319	20.53
0619	640.23	T-2 (ppb)	LC-MS/MS	60.5	46.9	Y	Y		100%	-1.93	93.319	20.53
0913	640.24	T-2 (ppb)	GC-ECD	65.7	59.2	Y	Y		100%	-1.50	93.319	20.53
0553	640.23	T-2 (ppb)	LC-MS/MS	71.94	58.03	Y	Y		100%	-1.38	93.319	20.53
2140	640.23	T-2 (ppb)	LC-MS/MS	72	69	Y	Y		100%	-1.11	93.319	20.53
0218	640.23	T-2 (ppb)	LC-MS/MS	74	73	Y	Y		100%	-0.97	93.319	20.53
0656	640.03	T-2 (ppb)	Romer AgraQuant T-2	76.4	80.1	Y	Y		100%	-0.73	93.319	20.53
0913	640.23	T-2 (ppb)	LC-MS/MS	84.2	90.85	Y	Y		100%	-0.28	93.319	20.53
0407	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	90.7	87.7	Y	Y		100%	-0.20	93.319	20.53
2131	640.04	T-2 (ppb)	r-Biopharm Ridascreen T-2	156.7	154.8	Y	Y		100%	3.04	93.319	20.53
0596	640.21	T-2 (ppb)	LC-PCD FI	178.9	170.2	Y	Y		100%	3.96	93.319	20.53
0227	640.98	T-2 (ppb)	Other Rapid Test Kit	236.4	231.7	Y	Y		100%	6.85	93.319	20.53
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2			N	N	100	37.24%	NoZ	93.319	20.53
0619	641.23	HT-2 (ppb)	LC-MS/MS	69.6	57.2	Y	Y		100%	-1.25	87.355	19.218
0913	641.24	HT-2 (ppb)	GC-ECD	92.7	73.2	Y	Y		100%	-0.23	87.355	19.218
0218	641.23	HT-2 (ppb)	LC-MS/MS	99	99	Y	Y		100%	0.61	87.355	19.218
0913	641.23	HT-2 (ppb)	LC-MS/MS	103.8	104.4	Y	Y		100%	0.87	87.355	19.218
0596	641.20	HT-2 (ppb)	LC	218.1	200.3	Y	Y		100%	6.34	87.355	19.218
2140	641.23	HT-2 (ppb)	LC-MS/MS			N	N	200	0.00%	NoZ	87.355	19.218
0613	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	200.1	175.1	Y	Y		100%	-1.19	245.3	48.477
0529	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	185.3	203	Y	Y		100%	-1.05	245.3	48.477

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
2098	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	205.3	210.3	Y	Y		100%	-0.77	245.3	48.477
2066	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	294.5	326.7	Y	Y		100%	1.35	245.3	48.477
0964	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	323.8	328.7	Y	Y		100%	1.67	245.3	48.477
0918	650.24	Zearalenone (ppb)	LC-MS/MS	100	102	Y	Y		100%	-3.30	280.5	54.324
0613	650.24	Zearalenone (ppb)	LC-MS/MS	112.8	109.9	Y	Y		100%	-3.11	280.5	54.324
0964	650.22	Zearalenone (ppb)	LC-FI, AOCS	127.3	140.8	Y	Y		100%	-2.70	280.5	54.324
0009	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	159.9	166.6	Y	Y		100%	-2.16	280.5	54.324
0227	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	167	173	Y	Y		100%	-2.03	280.5	54.324
0098	650.20	Zearalenone (ppb)	LC	140	200	Y	Y		100%	-2.03	280.5	54.324
2066	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	181.8	176.6	Y	Y		100%	-1.86	280.5	54.324
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	181.1	183.7	Y	Y		100%	-1.81	280.5	54.324
0619	650.24	Zearalenone (ppb)	LC-MS/MS	212	194	Y	Y		100%	-1.43	280.5	54.324
0913	650.20	Zearalenone (ppb)	LC	216.9	199.4	Y	Y		100%	-1.33	280.5	54.324
2113	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	210	220	Y	Y		100%	-1.20	280.5	54.324
0218	650.24	Zearalenone (ppb)	LC-MS/MS	243	243	Y	Y		100%	-0.69	280.5	54.324
0226	650.22	Zearalenone (ppb)	LC-FI, AOCS	200	300	Y	Y		100%	-0.56	280.5	54.324
0553	650.24	Zearalenone (ppb)	LC-MS/MS	193.1	331.1	Y	Y		100%	-0.34	280.5	54.324
0656	650.02	Zearalenone (ppb)	Charm ROSA Zearalenone Quant - M	254	273	Y	Y		100%	-0.31	280.5	54.324
0913	650.24	Zearalenone (ppb)	LC-MS/MS	274.3	275.8	Y	Y		100%	-0.10	280.5	54.324
2140	650.24	Zearalenone (ppb)	LC-MS/MS	262	290	Y	Y		100%	-0.08	280.5	54.324
0656	650.04	Zearalenone (ppb)	Romer AgraQuant ZON	281.5	281.5	Y	Y		100%	0.02	280.5	54.324
2023	650.20	Zearalenone (ppb)	LC	341	297	Y	Y		100%	0.71	280.5	54.324
2098	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	351.6	355.2	Y	Y		100%	1.34	280.5	54.324
2131	650.05	Zearalenone (ppb)	r-Biopharm Ridascreen Zearalenon	361.4	364	Y	Y		100%	1.51	280.5	54.324
0964	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	363.8	372.5	Y	Y		100%	1.61	280.5	54.324
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	421.8	389.3	Y	Y		100%	2.30	280.5	54.324
0529	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	451.8	405.1	Y	Y		100%	2.72	280.5	54.324
0407	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	469.3	443.4	Y	Y		100%	3.24	280.5	54.324
0646	650.20	Zearalenone (ppb)	LC	551.1	552	Y	Y		100%	4.99	280.5	54.324
0596	650.21	Zearalenone (ppb)	LC-FI, ISO	890.3	871.2	Y	Y		100%	11.05	280.5	54.324
0683	650.04	Zearalenone (ppb)	Romer AgraQuant ZON	991.2	1,097	Y	Y		100%	14.06	280.5	54.324
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON			N	N	100	99.96%	NoZ	280.5	54.324

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 < 6 results used in calculations or 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.