



AAFCO
Proficiency Testing Program



Mycotoxin Contaminants Scheme
All Tests for Sample # 201964
Fish Feed

Number of Labs Participating: 53
Issue Date: 11/30/2019

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0511	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	38.7	37.1	Y	Y			-0.63	47.9	15.88
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	40	42.1	Y	Y			-0.43	47.9	15.88
2098	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	41.6	42	Y	Y			-0.38	47.9	15.88
0208	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	46.1	37.8	Y	Y			-0.37	47.9	15.88
2113	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	44.4	39.9	Y	Y			-0.36	47.9	15.88
0027	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	47.1	39.1	Y	Y			-0.30	47.9	15.88
0554	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	44.2	44	Y	Y			-0.24	47.9	15.88
0034	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	44.95	44.55	Y	Y			-0.20	47.9	15.88
0529	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	44.8	44.9	Y	Y			-0.19	47.9	15.88
0876	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	46	49.1	Y	Y			-0.02	47.9	15.88
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	49.2	48.5	Y	Y			0.06	47.9	15.88
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	46.8	53.9	Y	Y			0.15	47.9	15.88
0674	600.08	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 4-40ppb	55	55	Y	Y			0.45	47.9	15.88
2022	600.08	Total Aflatoxin (ppb)	Romer AgraQuant Total Afl 4-40ppb	58.85	59.29	Y	Y			0.70	47.9	15.88
0674	600.10	Total Aflatoxin (ppb)	TLC	54.17	54.17	Y	Y			0.40	47.9	15.88
2129	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	22.04	23.64	Y	Y			-1.58	47.9	15.88
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	38.23	36.658	Y	Y			-0.66	47.9	15.88
2226	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	40.464	42.347	Y	Y			-0.41	47.9	15.88
0407	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	26.84	27.14	Y	Y			-1.32	47.9	15.88
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	39.9	36.63	Y	Y			-0.61	47.9	15.88
0066	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	47.73	54.95	Y	Y			0.22	47.9	15.88
2268	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	49	37	Y	Y			-0.31	47.9	15.88
2192	600.20	Total Aflatoxin (ppb)	LC	44.89	42.93	Y	Y			-0.25	47.9	15.88
0010	600.20	Total Aflatoxin (ppb)	LC	44	48	Y	Y			-0.12	47.9	15.88
2247	600.20	Total Aflatoxin (ppb)	LC	55.05	56.46	Y	Y			0.49	47.9	15.88
2244	600.20	Total Aflatoxin (ppb)	LC	63.127	63.396	Y	Y			0.97	47.9	15.88
0042	600.20	Total Aflatoxin (ppb)	LC	69.9	71.4	Y	Y			1.43	47.9	15.88
0098	600.21	Total Aflatoxin (ppb)	LC-PCD FI	88.75	80.16	Y	Y			2.30	47.9	15.88
2057	600.24	Total Aflatoxin (ppb)	LC-MS/MS	23.95	26.656	Y	Y			-1.42	47.9	15.88
0032	600.24	Total Aflatoxin (ppb)	LC-MS/MS	50.9	42.5	Y	Y			-0.08	47.9	15.88
2033	600.24	Total Aflatoxin (ppb)	LC-MS/MS	55.3	63.7	Y	Y			0.73	47.9	15.88

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0619	600.24	Total Aflatoxin (ppb)	LC-MS/MS	53.66	67.64	Y	Y			0.80	47.9	15.88
0218	600.24	Total Aflatoxin (ppb)	LC-MS/MS	105	92.3	Y	Y			3.20	47.9	15.88
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	22.8	22.2	Y	Y			-1.60	47.9	15.88
0047	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	40.6	35.1	Y	Y			-0.63	47.9	15.88
2169	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	42.7	43.7	Y	Y			-0.30	47.9	15.88
0142	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	53.3	58.2	Y	Y			0.49	47.9	15.88
0870	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	57	55.7	Y	Y			0.53	47.9	15.88
2269	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	59.55	56.15	Y	Y			0.63	47.9	15.88
2244	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	63.39	63.26	Y	Y			0.97	47.9	15.88
2192	601.20	AB1 (ppb)	LC	42.28	40.52	Y	Y			-0.69	53.73	17.76
2247	601.20	AB1 (ppb)	LC	51.69	53.54	Y	Y			-0.06	53.73	17.76
2244	601.20	AB1 (ppb)	LC	57.501	57.747	Y	Y			0.22	53.73	17.76
0910	601.21	AB1 (ppb)	LC-PCD FI	46.8	41.99	Y	Y			-0.53	53.73	17.76
0868	601.21	AB1 (ppb)	LC-PCD FI	52.6	53	Y	Y			-0.05	53.73	17.76
0098	601.21	AB1 (ppb)	LC-PCD FI	82.68	74.78	Y	Y			1.41	53.73	17.76
0043	601.22	AB1 (ppb)	LC-MS	52.42	52.42	Y	Y			-0.07	53.73	17.76
2057	601.23	AB1 (ppb)	LC-MS/MS	22.26	24.416	Y	Y			-1.71	53.73	17.76
0918	601.23	AB1 (ppb)	LC-MS/MS	39.9	45	Y	Y			-0.64	53.73	17.76
0870	601.23	AB1 (ppb)	LC-MS/MS	44.8	42.88	Y	Y			-0.56	53.73	17.76
0032	601.23	AB1 (ppb)	LC-MS/MS	50.9	42.5	Y	Y			-0.40	53.73	17.76
2033	601.23	AB1 (ppb)	LC-MS/MS	51.3	57.5	Y	Y			0.04	53.73	17.76
0619	601.23	AB1 (ppb)	LC-MS/MS	51.83	64.88	Y	Y			0.26	53.73	17.76
0553	601.23	AB1 (ppb)	LC-MS/MS	42.33	85.2	Y	Y			0.56	53.73	17.76
0009	601.23	AB1 (ppb)	LC-MS/MS	75.34	69.4	Y	Y			1.05	53.73	17.76
0964	601.23	AB1 (ppb)	LC-MS/MS	78.127	77.397	Y	Y			1.35	53.73	17.76
2207	601.23	AB1 (ppb)	LC-MS/MS	84	75	Y	Y			1.45	53.73	17.76
0218	601.23	AB1 (ppb)	LC-MS/MS	100	87.7	Y	Y			2.26	53.73	17.76
2053	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	45.6	42	Y	Y			-0.56	53.73	17.76
2022	601.92	AB1 (ppb)	r-Biopharm Ridascreen Afl B11	36.93	38.27	Y	Y			-0.91	53.73	17.76
2239	601.98	AB1 (ppb)	Other Rapid Test Kit	44.16	43.53	Y	Y			-0.56	53.73	17.76
0868	601.98	AB1 (ppb)	Other Rapid Test Kit	44	45	Y	Y			-0.52	53.73	17.76
0878	601.98	AB1 (ppb)	Other Rapid Test Kit	47.3	49.3	Y	Y			-0.31	53.73	17.76
2269	601.98	AB1 (ppb)	Other Rapid Test Kit	53.94	47.52	Y	Y			-0.17	53.73	17.76
2244	601.98	AB1 (ppb)	Other Rapid Test Kit	56.6	56.91	Y	Y			0.17	53.73	17.76
2192	602.20	AB2 (ppb)	LC	2.61	2.41	Y	Y			-0.82	3.54	1.259
2247	602.20	AB2 (ppb)	LC	2.82	2.32	Y	Y			-0.77	3.54	1.259
2244	602.20	AB2 (ppb)	LC	4.293	4.245	Y	Y			0.58	3.54	1.259
0868	602.21	AB2 (ppb)	LC-PCD FI	2.59	2.67	Y	Y			-0.72	3.54	1.259
0910	602.21	AB2 (ppb)	LC-PCD FI	3.15	2.76	Y	Y			-0.46	3.54	1.259
0098	602.21	AB2 (ppb)	LC-PCD FI	6.07	5.38	Y	Y			1.74	3.54	1.259
0553	602.23	AB2 (ppb)	LC-MS/MS	1.75	1.81	Y	Y			-1.40	3.54	1.259
2057	602.23	AB2 (ppb)	LC-MS/MS	1.69	2.24	Y	Y			-1.25	3.54	1.259

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						D1	D2					
0619	602.23	AB2 (ppb)	LC-MS/MS	1.83	2.76	Y	Y			-0.99	3.54	1.259
0870	602.23	AB2 (ppb)	LC-MS/MS	2.94	3.06	Y	Y			-0.43	3.54	1.259
0918	602.23	AB2 (ppb)	LC-MS/MS	4.79	3.41	Y	Y			0.44	3.54	1.259
0964	602.23	AB2 (ppb)	LC-MS/MS	4.643	4.343	Y	Y			0.76	3.54	1.259
0009	602.23	AB2 (ppb)	LC-MS/MS	4.623	4.49	Y	Y			0.81	3.54	1.259
0218	602.23	AB2 (ppb)	LC-MS/MS	4.8	4.6	Y	Y			0.92	3.54	1.259
2207	602.23	AB2 (ppb)	LC-MS/MS	4	6	Y	Y			1.16	3.54	1.259
2033	602.23	AB2 (ppb)	LC-MS/MS	4	6.2	Y	Y			1.24	3.54	1.259
0032	602.23	AB2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				3.54	1.259
2053	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	2.7	2.5	Y	Y			-0.75	3.54	1.259
2247	603.20	AG1 (ppb)	LC	0.541	0.602	Y	Y				ND	
0910	603.21	AG1 (ppb)	LC-PCD FI	0.28	0.34	Y	Y				ND	
0098	603.21	AG1 (ppb)	LC-PCD FI			N	N	15			ND	
0032	603.23	AG1 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0619	603.23	AG1 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0009	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.81			ND	
0218	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0870	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.6			ND	
0918	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
0964	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
2033	603.23	AG1 (ppb)	LC-MS/MS			N	N	5			ND	
2057	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.05			ND	
2207	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND	
2053	603.24	AG1 (ppb)	Vicam Aflatest, LC-FI	0.2		Y	N	0.1			ND	
2247	604.20	AG2 (ppb)	LC			N	N	0.025			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	
0032	604.23	AG2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0619	604.23	AG2 (ppb)	LC-MS/MS	[0]	[0]	Y	Y				ND	
0009	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.81			ND	
0218	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0870	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0918	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
0964	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
2033	604.23	AG2 (ppb)	LC-MS/MS			N	N	5			ND	
2057	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.05			ND	
2207	604.23	AG2 (ppb)	LC-MS/MS			N	N	1			ND	
2053	604.24	AG2 (ppb)	Vicam Aflatest, LC-FI	0.5		Y	N	0.1			ND	
0529	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	[2.5]	[2.9]	Y	Y			-3.35	2,366	705.7
0554	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1900	1900	Y	Y			-0.66	2,366	705.7
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2160	2000	Y	Y			-0.40	2,366	705.7
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1900	2400	Y	Y			-0.31	2,366	705.7

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						D1	D2					
2113	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2400	2100	Y	Y			-0.16	2,366	705.7
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2200	2400	Y	Y			-0.09	2,366	705.7
0511	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2200	2400	Y	Y			-0.09	2,366	705.7
2098	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2420	2350	Y	Y			0.03	2,366	705.7
0870	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2500	2400	Y	Y			0.12	2,366	705.7
0208	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2510	2510	Y	Y			0.20	2,366	705.7
0047	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2606	2472	Y	Y			0.25	2,366	705.7
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	2700	2800	Y	Y			0.54	2,366	705.7
2192	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	3460	2870	Y	Y			1.13	2,366	705.7
0674	610.03	Deoxynivalenol (ppb)	Charm ROSA DON Quant	[1.7]	[1.7]	Y	Y			-3.35	2,366	705.7
2022	610.05	Deoxynivalenol (ppb)	Romer AgraQuant DON	2820	2860	Y	Y			0.67	2,366	705.7
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	[2.54]	[2.421]	Y	Y			-3.35	2,366	705.7
2129	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	2350	2376	Y	Y			0.00	2,366	705.7
0407	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	2507	2610	Y	Y			0.27	2,366	705.7
0009	610.07	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	2620	2840	Y	Y			0.52	2,366	705.7
0066	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON SC	2530	2730	Y	Y			0.37	2,366	705.7
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON SC	2983	3106	Y	Y			0.96	2,366	705.7
0868	610.20	Deoxynivalenol (ppb)	LC	[2.055]	[2.034]	Y	Y			-3.35	2,366	705.7
0013	610.20	Deoxynivalenol (ppb)	LC	[2.14]	[2.18]	Y	Y			-3.35	2,366	705.7
0098	610.20	Deoxynivalenol (ppb)	LC	2100	2000	Y	Y			-0.45	2,366	705.7
2247	610.20	Deoxynivalenol (ppb)	LC	2045.7	2103.9	Y	Y			-0.41	2,366	705.7
0051	610.20	Deoxynivalenol (ppb)	LC	2197	2100	Y	Y			-0.31	2,366	705.7
0910	610.20	Deoxynivalenol (ppb)	LC	2370	2450	Y	Y			0.06	2,366	705.7
2244	610.20	Deoxynivalenol (ppb)	LC	2697.745	2702.04	Y	Y			0.47	2,366	705.7
2268	610.22	Deoxynivalenol (ppb)	LC-MS	1900	2300	Y	Y			-0.38	2,366	705.7
0964	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1425.186	1407.976	Y	Y			-1.34	2,366	705.7
0032	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1520	1550	Y	Y			-1.18	2,366	705.7
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2047.3	1340.7	Y	Y			-0.95	2,366	705.7
0218	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1900	2160	Y	Y			-0.48	2,366	705.7
2155	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2320	2090	Y	Y			-0.23	2,366	705.7
0619	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2514.24	2034.917	Y	Y			-0.13	2,366	705.7
0010	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2230	2330	Y	Y			-0.12	2,366	705.7
0870	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2340	2380	Y	Y			-0.01	2,366	705.7
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2480	2500	Y	Y			0.18	2,366	705.7
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2776.46	2653.51	Y	Y			0.50	2,366	705.7
2053	610.23	Deoxynivalenol (ppb)	LC-MS/MS	2780	2730	Y	Y			0.55	2,366	705.7
2207	610.23	Deoxynivalenol (ppb)	LC-MS/MS	3490	3720	Y	Y			1.76	2,366	705.7
0142	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	[0.0025]	[0.0025]	Y	Y			-3.35	2,366	705.7
2169	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	1800	1800	Y	Y			-0.80	2,366	705.7
2269	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2241.25	1981.25	Y	Y			-0.36	2,366	705.7
0868	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2220	2230	Y	Y			-0.20	2,366	705.7
0878	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2358	2320	Y	Y			-0.04	2,366	705.7

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						D1	D2					
2239	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2774	2627	Y	Y			0.47	2,366	705.7
2244	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	2729	2702	Y	Y			0.50	2,366	705.7
2050	610.98	Deoxynivalenol (ppb)	Other Rapid Test Kit	3100	2700	Y	Y			0.76	2,366	705.7
0870	610.99	Deoxynivalenol (ppb)	Miscellaneous	1760	1780	Y	Y			-0.84	2,366	705.7
0297	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	273.9	279.9	Y	Y			-3.11	3,360	992.9
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	2400	2500	Y	Y			-0.92	3,360	992.9
0033	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	2830	2600	Y	Y			-0.65	3,360	992.9
0511	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3000	3100	Y	Y			-0.31	3,360	992.9
2113	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3000	3200	Y	Y			-0.26	3,360	992.9
2192	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3140	3120	Y	Y			-0.23	3,360	992.9
2098	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3300	3270	Y	Y			-0.08	3,360	992.9
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	3700	3920	Y	Y			0.45	3,360	992.9
0554	620.01	Total Fumonisin (ppb)	Neogen Veratox Fumonisin	4900	5300	Y	Y			1.75	3,360	992.9
0529	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	[3.7]	[3.1]	Y	Y			-3.38	3,360	992.9
0870	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	3350	3200	Y	Y			-0.09	3,360	992.9
0047	620.02	Total Fumonisin (ppb)	Neogen Veratox Fumonisin 5/10	3404	3445	Y	Y			0.06	3,360	992.9
0674	620.05	Total Fumonisin (ppb)	Charm ROSA FUMQ MeOH	[2.6]	[2.6]	Y	Y			-3.38	3,360	992.9
0868	620.07	Total Fumonisin (ppb)	Romer AgraQuant Total Fumonisin	3320	3450	Y	Y			0.03	3,360	992.9
2022	620.07	Total Fumonisin (ppb)	Romer AgraQuant Total Fumonisin	3460	3370	Y	Y			0.06	3,360	992.9
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	[2.796]	[2.621]	Y	Y			-3.38	3,360	992.9
2226	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2044	2064	Y	Y			-1.32	3,360	992.9
0407	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2174	2310	Y	Y			-1.13	3,360	992.9
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2581	2600	Y	Y			-0.78	3,360	992.9
2129	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	2917	2629	Y	Y			-0.59	3,360	992.9
0066	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen FAST FUM	5030	5260	Y	Y			1.80	3,360	992.9
0098	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	4200	4000	Y	Y			0.75	3,360	992.9
2268	620.11	Total Fumonisin (ppb)	Vicam Fumonitest	5800	6300	Y	Y			2.71	3,360	992.9
0619	620.23	Total Fumonisin (ppb)	LC-MS/MS	2600.1	2183.4	Y	Y			-0.98	3,360	992.9
2244	620.23	Total Fumonisin (ppb)	LC-MS/MS	2945.09	2900.43	Y	Y			-0.44	3,360	992.9
0010	620.23	Total Fumonisin (ppb)	LC-MS/MS	2800	3300	Y	Y			-0.31	3,360	992.9
2033	620.23	Total Fumonisin (ppb)	LC-MS/MS	3664	3899	Y	Y			0.42	3,360	992.9
0032	620.23	Total Fumonisin (ppb)	LC-MS/MS	3730	3840	Y	Y			0.43	3,360	992.9
0142	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	[0.0052]	[0.0051]	Y	Y			-3.38	3,360	992.9
2239	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	3082	3163	Y	Y			-0.24	3,360	992.9
0878	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	3570	3620	Y	Y			0.24	3,360	992.9
0208	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	5000	5000	Y	Y			1.65	3,360	992.9
2269	620.98	Total Fumonisin (ppb)	Other Rapid Test Kit	7764	6590	Y	Y			3.84	3,360	992.9
2244	621.20	FB1 (ppb)	LC	2430.675	2382.63	Y	Y			-0.09	2,470	736
0098	621.20	FB1 (ppb)	LC	3500	3400	Y	Y			1.33	2,470	736
0910	621.21	FB1 (ppb)	LC-FI OPA der.	2485	1969	Y	Y			-0.33	2,470	736
0043	621.22	FB1 (ppb)	LC-MS	[1.038]	[1.038]	Y	Y			-3.35	2,470	736
2053	621.22	FB1 (ppb)	LC-MS	3380	3210	Y	Y			1.12	2,470	736

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
2207	621.23	FB1 (ppb)	LC-MS/MS	1500	1500	Y	Y			-1.32	2,470	736
0619	621.23	FB1 (ppb)	LC-MS/MS	1970.5	1698.2	Y	Y			-0.86	2,470	736
0964	621.23	FB1 (ppb)	LC-MS/MS	1865.456	1878.567	Y	Y			-0.81	2,470	736
0009	621.23	FB1 (ppb)	LC-MS/MS	1889	1958	Y	Y			-0.74	2,470	736
0870	621.23	FB1 (ppb)	LC-MS/MS	2060	2060	Y	Y			-0.56	2,470	736
0218	621.23	FB1 (ppb)	LC-MS/MS	2440	2510	Y	Y			0.01	2,470	736
0918	621.23	FB1 (ppb)	LC-MS/MS	2561.07	2435.16	Y	Y			0.04	2,470	736
0032	621.23	FB1 (ppb)	LC-MS/MS	2660	2770	Y	Y			0.33	2,470	736
2033	621.23	FB1 (ppb)	LC-MS/MS	2690	2870	Y	Y			0.42	2,470	736
0553	621.23	FB1 (ppb)	LC-MS/MS	3581	3623.6	Y	Y			1.54	2,470	736
2244	622.20	FB2 (ppb)	LC	514.415	517.8	Y	Y			-0.36	581	180.1
0098	622.20	FB2 (ppb)	LC	700	600	Y	Y			0.38	581	180.1
0910	622.21	FB2 (ppb)	LC-FI OPA der.	528	418	Y	Y			-0.60	581	180.1
0043	622.22	FB2 (ppb)	LC-MS	[0.2953]	[0.2953]	Y	Y			-3.23	581	180.1
2053	622.22	FB2 (ppb)	LC-MS	510	530	Y	Y			-0.34	581	180.1
2207	622.23	FB2 (ppb)	LC-MS/MS	300	300	Y	Y			-1.56	581	180.1
0870	622.23	FB2 (ppb)	LC-MS/MS	460	480	Y	Y			-0.62	581	180.1
0218	622.23	FB2 (ppb)	LC-MS/MS	519	479	Y	Y			-0.46	581	180.1
0009	622.23	FB2 (ppb)	LC-MS/MS	561.3	531.8	Y	Y			-0.19	581	180.1
0619	622.23	FB2 (ppb)	LC-MS/MS	629.6	485.2	Y	Y			-0.13	581	180.1
0964	622.23	FB2 (ppb)	LC-MS/MS	580.57	591.5	Y	Y			0.03	581	180.1
2033	622.23	FB2 (ppb)	LC-MS/MS	638	672	Y	Y			0.41	581	180.1
0032	622.23	FB2 (ppb)	LC-MS/MS	719	695	Y	Y			0.70	581	180.1
0918	622.23	FB2 (ppb)	LC-MS/MS	803.89	865.65	Y	Y			1.41	581	180.1
0553	622.23	FB2 (ppb)	LC-MS/MS	1345.4	1554.8	Y	Y			4.83	581	180.1
2053	623.22	FB3 (ppb)	LC-MS	280	300	Y	Y			-0.44	336.6	105.9
0870	623.23	FB3 (ppb)	LC-MS/MS	240	240	Y	Y			-0.91	336.6	105.9
0009	623.23	FB3 (ppb)	LC-MS/MS	290	306	Y	Y			-0.36	336.6	105.9
2033	623.23	FB3 (ppb)	LC-MS/MS	336	357	Y	Y			0.09	336.6	105.9
0032	623.23	FB3 (ppb)	LC-MS/MS	353	385	Y	Y			0.31	336.6	105.9
0553	623.23	FB3 (ppb)	LC-MS/MS	535.4	556.7	Y	Y			1.98	336.6	105.9
0529	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	24	26.4	Y	Y			-2.71	186.7	59.67
2098	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	86.3	89.6	Y	Y			-1.66	186.7	59.67
0003	630.01	Ochratoxin A (ppb)	Neogen Veratox Ochratoxin	220	380	Y	Y			1.90	186.7	59.67
0674	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	103	103	Y	Y			-1.40	186.7	59.67
2022	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	151.96	154.96	Y	Y			-0.56	186.7	59.67
0868	630.03	Ochratoxin A (ppb)	Romer AgraQuant Ochratoxin	169.82	173.43	Y	Y			-0.25	186.7	59.67
0407	630.04	Ochratoxin A (ppb)	r-Biopharm Ridascreen Ochratoxin A	246.12	253.72	Y	Y			1.06	186.7	59.67
2226	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	90.99	84.285	Y	Y			-1.66	186.7	59.67
0066	630.05	Ochratoxin A (ppb)	r-Biopharm Ridascreen FAST Och A	90.37	98	Y	Y			-1.55	186.7	59.67
2192	630.20	Ochratoxin A (ppb)	LC	77.46	100.19	Y	Y			-1.64	186.7	59.67
0674	630.20	Ochratoxin A (ppb)	LC	103.77	103.77	Y	Y			-1.39	186.7	59.67

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0098	630.20	Ochratoxin A (ppb)	LC	186	182	Y	Y			-0.05	186.7	59.67
2247	630.20	Ochratoxin A (ppb)	LC	263	234.9	Y	Y			1.04	186.7	59.67
2244	630.20	Ochratoxin A (ppb)	LC	269.806	272.868	Y	Y			1.42	186.7	59.67
0910	630.21	Ochratoxin A (ppb)	LC-PCD FI	155.2	172.3	Y	Y			-0.38	186.7	59.67
0870	630.23	Ochratoxin A (ppb)	LC-MS/MS	125.6	132.8	Y	Y			-0.96	186.7	59.67
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	153.4	155.1	Y	Y			-0.54	186.7	59.67
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	180	180	Y	Y			-0.11	186.7	59.67
0619	630.23	Ochratoxin A (ppb)	LC-MS/MS	192.8	170.6	Y	Y			-0.08	186.7	59.67
0010	630.23	Ochratoxin A (ppb)	LC-MS/MS	205	208	Y	Y			0.33	186.7	59.67
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	208	208	Y	Y			0.36	186.7	59.67
0009	630.23	Ochratoxin A (ppb)	LC-MS/MS	245.4	236	Y	Y			0.90	186.7	59.67
0032	630.23	Ochratoxin A (ppb)	LC-MS/MS	246	244	Y	Y			0.98	186.7	59.67
0964	630.23	Ochratoxin A (ppb)	LC-MS/MS	257.597	262.313	Y	Y			1.23	186.7	59.67
2053	630.23	Ochratoxin A (ppb)	LC-MS/MS	261	271	Y	Y			1.33	186.7	59.67
2207	630.23	Ochratoxin A (ppb)	LC-MS/MS	269	281	Y	Y			1.48	186.7	59.67
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	348.4	525.5	Y	Y			4.19	186.7	59.67
0870	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	123	131	Y	Y			-1.00	186.7	59.67
2239	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	142.6	145.8	Y	Y			-0.71	186.7	59.67
2269	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	174.36	155.6	Y	Y			-0.36	186.7	59.67
0878	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	255	235	Y	Y			0.98	186.7	59.67
2244	630.98	Ochratoxin A (ppb)	Other Rapid Test Kit	261.33	269.1699	Y	Y			1.32	186.7	59.67
0868	640.03	T-2 (ppb)	Romer AgraQuant T-2	73.15	75	Y	Y			0.20	69.45	22.8
0066	640.03	T-2 (ppb)	Romer AgraQuant T-2	108.33	113.35	Y	Y			1.82	69.45	22.8
0407	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	59.14	57.18	Y	Y			-0.50	69.45	22.8
2129	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	121.797	112.604	Y	Y			2.09	69.45	22.8
0910	640.21	T-2 (ppb)	LC-PCD FI	37.7	36.7	Y	Y			-1.41	69.45	22.8
2033	640.23	T-2 (ppb)	LC-MS/MS	50	50	Y	Y			-0.85	69.45	22.8
2244	640.23	T-2 (ppb)	LC-MS/MS	51.1	52.3	Y	Y			-0.78	69.45	22.8
0218	640.23	T-2 (ppb)	LC-MS/MS	50	62	Y	Y			-0.59	69.45	22.8
0553	640.23	T-2 (ppb)	LC-MS/MS	65.3	48.7	Y	Y			-0.55	69.45	22.8
0870	640.23	T-2 (ppb)	LC-MS/MS	59.7	56.96	Y	Y			-0.49	69.45	22.8
0918	640.23	T-2 (ppb)	LC-MS/MS	64.2	66.95	Y	Y			-0.17	69.45	22.8
0964	640.23	T-2 (ppb)	LC-MS/MS	66.45	67.69	Y	Y			-0.10	69.45	22.8
2053	640.23	T-2 (ppb)	LC-MS/MS	73.2	73.9	Y	Y			0.18	69.45	22.8
2207	640.23	T-2 (ppb)	LC-MS/MS	80	80	Y	Y			0.46	69.45	22.8
0619	640.23	T-2 (ppb)	LC-MS/MS	51.3	513	Y	Y			9.33	69.45	22.8
0878	640.98	T-2 (ppb)	Other Rapid Test Kit	57.7	56.2	Y	Y			-0.55	69.45	22.8
2239	640.98	T-2 (ppb)	Other Rapid Test Kit	69.1	66.7	Y	Y			-0.07	69.45	22.8
2269	640.98	T-2 (ppb)	Other Rapid Test Kit	85.68	94.52	Y	Y			0.91	69.45	22.8
0297	640.98	T-2 (ppb)	Other Rapid Test Kit	100	110	Y	Y			1.56	69.45	22.8
0910	641.21	HT-2 (ppb)	LC post-col photochem der. FI	25	24	Y	Y			-1.02	37.22	12.42
2033	641.23	HT-2 (ppb)	LC-MS/MS	32	30.2	Y	Y			-0.49	37.22	12.42

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
0964	641.23	HT-2 (ppb)	LC-MS/MS	29.665	36.65	Y	Y			-0.33	37.22	12.42
0619	641.23	HT-2 (ppb)	LC-MS/MS	33.7	37.3	Y	Y			-0.14	37.22	12.42
0870	641.23	HT-2 (ppb)	LC-MS/MS	41.26	40.94	Y	Y			0.31	37.22	12.42
2053	641.23	HT-2 (ppb)	LC-MS/MS	48.2	43.1	Y	Y			0.68	37.22	12.42
0218	641.23	HT-2 (ppb)	LC-MS/MS	48	51	Y	Y			0.99	37.22	12.42
2207	641.23	HT-2 (ppb)	LC-MS/MS			N	N	60	3.33%	NoZ	37.22	12.42
0964	642.03	T-2 + HT-2 (ppb)	LC post-col photochem der. FI	96.45	104.34	Y	Y			-0.87	139.4	44.91
2098	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	104.8	97.5	Y	Y			-0.85	139.4	44.91
2022	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	129.01	126.23	Y	Y			-0.26	139.4	44.91
0870	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	131.5	124.6	Y	Y			-0.25	139.4	44.91
0529	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	203.3	194.3	Y	Y			1.32	139.4	44.91
2192	642.21	T-2 + HT-2 (ppb)	Neogen Veratox T-2 + HT-2	208.8	209.61	Y	Y			1.55	139.4	44.91
2269	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	118.24	130.44	Y	Y			-0.34	139.4	44.91
2244	642.98	T-2 + HT-2 (ppb)	Other Rapid Test Kit	122.85	128.99	Y	Y			-0.30	139.4	44.91
0003	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	257.2	313.7	Y	Y			-0.72	368.3	115.5
0529	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	291.1	283.6	Y	Y			-0.70	368.3	115.5
0870	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	320.7	301.6	Y	Y			-0.49	368.3	115.5
2113	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	309.5	329.7	Y	Y			-0.42	368.3	115.5
2098	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	399.8	398.3	Y	Y			0.27	368.3	115.5
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	524.8	326.2	Y	Y			0.50	368.3	115.5
0297	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	3400	3600	Y	Y			27.11	368.3	115.5
0674	650.02	Zearalenone (ppb)	Charm ROSA Zearalenone Quant - MeOH	0.22	0.22	Y	Y			-3.19	368.3	115.5
2022	650.04	Zearalenone (ppb)	Romer AgraQuant ZON	391.83	397.5	Y	Y			0.23	368.3	115.5
2226	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	231.957	256.294	Y	Y			-1.07	368.3	115.5
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	273.104	244.788	Y	Y			-0.95	368.3	115.5
2129	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON	320.8	335.4	Y	Y			-0.35	368.3	115.5
0407	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	230.45	236.71	Y	Y			-1.17	368.3	115.5
0066	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	242.65	260.12	Y	Y			-1.01	368.3	115.5
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST ZON SC	349.3	373.46	Y	Y			-0.06	368.3	115.5
2192	650.20	Zearalenone (ppb)	LC	184.75	316.07	Y	Y			-1.02	368.3	115.5
0868	650.20	Zearalenone (ppb)	LC	369	353	Y	Y			-0.06	368.3	115.5
0098	650.20	Zearalenone (ppb)	LC	380	350	Y	Y			-0.03	368.3	115.5
2244	650.20	Zearalenone (ppb)	LC	390.487	356.464	Y	Y			0.05	368.3	115.5
2247	650.20	Zearalenone (ppb)	LC	395.8	458	Y	Y			0.51	368.3	115.5
0910	650.20	Zearalenone (ppb)	LC	499	466	Y	Y			0.99	368.3	115.5
0051	650.21	Zearalenone (ppb)	LC-FI, ISO	409	422	Y	Y			0.41	368.3	115.5
0043	650.23	Zearalenone (ppb)	LC-MS	294.2	294.2	Y	Y			-0.64	368.3	115.5
0918	650.24	Zearalenone (ppb)	LC-MS/MS	336.4	351.9	Y	Y			-0.21	368.3	115.5
0619	650.24	Zearalenone (ppb)	LC-MS/MS	329.7	360.4	Y	Y			-0.20	368.3	115.5
0964	650.24	Zearalenone (ppb)	LC-MS/MS	359.913	355.573	Y	Y			-0.09	368.3	115.5
0870	650.24	Zearalenone (ppb)	LC-MS/MS	358.5	357.1	Y	Y			-0.09	368.3	115.5
2155	650.24	Zearalenone (ppb)	LC-MS/MS	367	387	Y	Y			0.08	368.3	115.5

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	AAFCO σ ffp
						D1	D2					
2033	650.24	Zearalenone (ppb)	LC-MS/MS	380	400	Y	Y			0.19	368.3	115.5
0218	650.24	Zearalenone (ppb)	LC-MS/MS	404	425	Y	Y			0.40	368.3	115.5
0010	650.24	Zearalenone (ppb)	LC-MS/MS	410	480	Y	Y			0.66	368.3	115.5
0009	650.24	Zearalenone (ppb)	LC-MS/MS	493.4	484.5	Y	Y			1.04	368.3	115.5
0032	650.24	Zearalenone (ppb)	LC-MS/MS	483	520	Y	Y			1.15	368.3	115.5
2053	650.24	Zearalenone (ppb)	LC-MS/MS	519	499	Y	Y			1.22	368.3	115.5
2207	650.24	Zearalenone (ppb)	LC-MS/MS	590	550	Y	Y			1.75	368.3	115.5
0553	650.24	Zearalenone (ppb)	LC-MS/MS	594.2	629.8	Y	Y			2.11	368.3	115.5
0142	650.98	Zearalenone (ppb)	Other Rapid Test Kit	299.6	322.2	Y	Y			-0.50	368.3	115.5
2244	650.98	Zearalenone (ppb)	Other Rapid Test Kit	361.4	373.48	Y	Y			-0.01	368.3	115.5
0868	650.98	Zearalenone (ppb)	Other Rapid Test Kit	376	379	Y	Y			0.08	368.3	115.5
2239	650.98	Zearalenone (ppb)	Other Rapid Test Kit	389.1	387.5	Y	Y			0.17	368.3	115.5
2269	650.98	Zearalenone (ppb)	Other Rapid Test Kit	387.62	405.87	Y	Y			0.25	368.3	115.5
2050	650.98	Zearalenone (ppb)	Other Rapid Test Kit	418	385	Y	Y			0.29	368.3	115.5
0878	650.98	Zearalenone (ppb)	Other Rapid Test Kit	412	433	Y	Y			0.47	368.3	115.5
2268	650.99	Zearalenone (ppb)	Miscellaneous	370	330	Y	Y			-0.16	368.3	115.5

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%). Notes: Z scored against Robust consensus. 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. Results in square brackets not used in Robust calculations.