



Mycotoxin Proficiency Testing

Issue Date: 05/31/2014

All Tests for Sample # 201461 Poultry Feed

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0001	601.23	AB1 (ppb)	LC-MS/MS	15.63	17.73	Y	Y		100%	-0.45	18.5	4.07
2033	601.23	AB1 (ppb)	LC-MS/MS	19.21	19.22	Y	Y		100%	0.18	18.5	4.07
0964	601.21	AB1 (ppb)	LC post-col photochem der. -FI	21.782	16.994	Y	Y		100%	0.22	18.5	4.07
0918	601.23	AB1 (ppb)	LC-MS/MS	21.9	20.6	Y	Y		100%	0.68	18.5	4.07
0218	601.23	AB1 (ppb)	LC-MS/MS	21.7	20.82	Y	Y		100%	0.68	18.5	4.07
0010	601.23	AB1 (ppb)	LC-MS/MS	28.6	26.5	Y	Y		100%	2.22	18.5	4.07
2060	601.23	AB1 (ppb)	LC-MS/MS	31.024	30.292	Y	Y		100%	2.99	18.5	4.07
0553	601.23	AB1 (ppb)	LC-MS/MS			N	N	1	100.00%	NoZ	18.5	4.07
0001	602.23	AB2 (ppb)	LC-MS/MS		1.03	N	Y	0.5	99.91%	-1.62	1.6	0.352
0964	602.21	AB2 (ppb)	LC post-col photochem der.-FI	1.51	1.358	Y	Y		100%	-0.47	1.6	0.352
0918	602.23	AB2 (ppb)	LC-MS/MS	1.88	1.81	Y	Y		100%	0.70	1.6	0.352
2033	602.23	AB2 (ppb)	LC-MS/MS	2.09	2.28	Y	Y		100%	1.66	1.6	0.352
2060	602.23	AB2 (ppb)	LC-MS/MS	2.609	2.006	Y	Y		100%	2.01	1.6	0.352
0218	602.23	AB2 (ppb)	LC-MS/MS	2.32	2.34	Y	Y		100%	2.07	1.6	0.352
0010	602.23	AB2 (ppb)	LC-MS/MS	4.1	3.2	Y	Y		100%	5.82	1.6	0.352
0553	602.23	AB2 (ppb)	LC-MS/MS			N	N	1	95.59%	NoZ	1.6	0.352
0001	603.23	AG1 (ppb)	LC-MS/MS			N	N	0.5			ND (0.5)	
0010	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0218	603.23	AG1 (ppb)	LC-MS/MS		1.54	N	Y	1			ND (0.5)	
0553	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
0918	603.23	AG1 (ppb)	LC-MS/MS	0.5	1.1	Y	Y				ND (0.5)	
2033	603.23	AG1 (ppb)	LC-MS/MS			N	N	1			ND (0.5)	
2060	603.23	AG1 (ppb)	LC-MS/MS	1.27	1.543	Y	Y				ND (0.5)	
0001	604.23	AG2 (ppb)	LC-MS/MS			N	N	0.5			ND (0.5)	
0010	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	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)	
2060	604.23	AG2 (ppb)	LC-MS/MS	0.091	0.112	Y	Y				ND (0.5)	
0957	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1	0.8	Y	Y		100%	-6.42	1,200	186.8
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1	1.1	Y	Y		100%	-6.42	1,200	186.8
0660	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1	1.4	Y	Y		100%	-6.42	1,200	186.8
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	1.3	1.3	Y	Y		100%	-6.42	1,200	186.8

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0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1.21	1.42	Y	Y		100%	-6.42	1,200	186.8
2060	610.23	Deoxynivalenol (ppb)	LC-MS/MS	461.3	642.5	Y	Y		100%	-3.47	1,200	186.8
2052	610.23	Deoxynivalenol (ppb)	LC-MS/MS	695	686	Y	Y		100%	-2.73	1,200	186.8
0001	610.23	Deoxynivalenol (ppb)	LC-MS/MS	733.1	709.9	Y	Y		100%	-2.56	1,200	186.8
0013	610.20	Deoxynivalenol (ppb)	LC	1,040	1,050	Y	Y		100%	-0.83	1,200	186.8
0218	610.25	Deoxynivalenol (ppb)	GC-MS	1,021	1,109	Y	Y		100%	-0.72	1,200	186.8
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,100	1,100	Y	Y		100%	-0.54	1,200	186.8
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,100	1,100	Y	Y		100%	-0.54	1,200	186.8
0964	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,125	1,075	Y	Y		100%	-0.54	1,200	186.8
2033	610.22	Deoxynivalenol (ppb)	LC-MS	1,312	995	Y	Y		100%	-0.25	1,200	186.8
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,300	1,200	Y	Y		100%	0.27	1,200	186.8
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,300	1,300	Y	Y		100%	0.54	1,200	186.8
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DOI	1,524	1,261	Y	Y		100%	1.03	1,200	186.8
0918	621.23	FB1 (ppb)	LC-MS/MS	0.16	0.24	Y	Y		100%	-6.50	1,300	199.9
0553	621.23	FB1 (ppb)	LC-MS/MS	993.2	869.1	Y	Y		100%	-1.85	1,300	199.9
2052	621.23	FB1 (ppb)	LC-MS/MS	1,052	820	Y	Y		100%	-1.82	1,300	199.9
0218	621.21	FB1 (ppb)	LC-FI, OPA der.	1,176	1,267	Y	Y		100%	-0.39	1,300	199.9
2033	621.23	FB1 (ppb)	LC-MS/MS	1,511	1,248	Y	Y		100%	0.40	1,300	199.9
0013	621.20	FB1 (ppb)	LC	1,540	1,560	Y	Y		100%	1.25	1,300	199.9
0001	621.23	FB1 (ppb)	LC-MS/MS	1,676	1,538	Y	Y		100%	1.54	1,300	199.9
2060	621.23	FB1 (ppb)	LC-MS/MS	2,449	2,831	Y	Y		100%	6.70	1,300	199.9
2052	622.23	FB2 (ppb)	LC-MS/MS	296	185	Y	Y		100%	-2.17	400	73.448
0553	622.23	FB2 (ppb)	LC-MS/MS	284.5	251.5	Y	Y		100%	-1.80	400	73.448
2060	622.23	FB2 (ppb)	LC-MS/MS	279.7	274.4	Y	Y		100%	-1.67	400	73.448
0218	622.21	FB2 (ppb)	LC-FI, OPA der.	270.8	300.4	Y	Y		100%	-1.56	400	73.448
0001	622.23	FB2 (ppb)	LC-MS/MS	468.6	450.2	Y	Y		100%	0.81	400	73.448
0013	622.20	FB2 (ppb)	LC	450	490	Y	Y		100%	0.95	400	73.448
2033	622.23	FB2 (ppb)	LC-MS/MS	525	486	Y	Y		100%	1.44	400	73.448
0918	622.23	FB2 (ppb)	LC-MS/MS			N	N	0.08	100.00%	NoZ	400	73.448
2052	623.23	FB3 (ppb)	LC-MS/MS	150	91	Y	Y		100%	-1.95	200	40.762
2060	623.23	FB3 (ppb)	LC-MS/MS	164.7	150.7	Y	Y		100%	-1.04	200	40.762
0553	623.23	FB3 (ppb)	LC-MS/MS	164.1	212	Y	Y		100%	-0.29	200	40.762
0660	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	22.9	24.4	Y	Y		100%	-2.10	44	9.68
0964	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	26.1	27.3	Y	Y		100%	-1.79	44	9.68
0957	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	29.6	25.9	Y	Y		100%	-1.68	44	9.68
2060	630.23	Ochratoxin A (ppb)	LC-MS/MS	27.757	30.97	Y	Y		100%	-1.51	44	9.68
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	36	39.21	Y	Y		100%	-0.66	44	9.68
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	41.7	40.5	Y	Y		100%	-0.30	44	9.68
0218	630.23	Ochratoxin A (ppb)	LC-MS/MS	49.38	49.77	Y	Y		100%	0.58	44	9.68
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	47.96	51.28	Y	Y		100%	0.58	44	9.68
0001	630.23	Ochratoxin A (ppb)	LC-MS/MS		51.23	N	Y	50	26.77%	0.75	44	9.68
0001	640.23	T-2 (ppb)	LC-MS/MS	95.98	77.75	Y	Y		100%	-3.19	236.8	47.051

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0918	640.23	T-2 (ppb)	LC-MS/MS	131	120	Y	Y		100%	-2.37	236.8	47.051
2060	640.23	T-2 (ppb)	LC-MS/MS	177.5	133.1	Y	Y		100%	-1.73	236.8	47.051
0218	640.23	T-2 (ppb)	LC-MS/MS	206.5	205.2	Y	Y		100%	-0.66	236.8	47.051
2033	640.23	T-2 (ppb)	LC-MS/MS	217.5	199.3	Y	Y		100%	-0.60	236.8	47.051
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	251.3	282.1	Y	Y		100%	0.64	236.8	47.051
0964	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	841.5	811.8	Y	Y		100%	12.54	236.8	47.051
0227	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	2,376	3,480	Y	Y		100%	57.20	236.8	47.051
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	10.2	14.9	Y	Y		100%	-1.71	20.1	4.422
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	14	14	Y	Y		100%	-1.38	20.1	4.422
0660	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	16.9	17.2	Y	Y		100%	-0.69	20.1	4.422
0001	600.24	Total Aflatoxin (ppb)	LC-MS/MS	15.63	18.76	Y	Y		100%	-0.66	20.1	4.422
0027	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	18.8	17.1	Y	Y		100%	-0.49	20.1	4.422
0958	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	17.9	18.2	Y	Y		100%	-0.46	20.1	4.422
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	18	19	Y	Y		100%	-0.36	20.1	4.422
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	19.2	18.1	Y	Y		100%	-0.33	20.1	4.422
0964	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	19	19.1	Y	Y		100%	-0.24	20.1	4.422
0957	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	23.5	14.7	Y	Y		100%	-0.23	20.1	4.422
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	19.75	20.25	Y	Y		100%	-0.02	20.1	4.422
0035	600.20	Total Aflatoxin (ppb)	LC	20.429	21.171	Y	Y		100%	0.16	20.1	4.422
0964	600.21	Total Aflatoxin (ppb)	LC post-col photochem der. FI	23.293	18.352	Y	Y		100%	0.16	20.1	4.422
0042	600.20	Total Aflatoxin (ppb)	LC	20.33	23.06	Y	Y		100%	0.36	20.1	4.422
2033	600.24	Total Aflatoxin (ppb)	LC-MS/MS	21.48	22.1	Y	Y		100%	0.38	20.1	4.422
0959	600.10	Total Aflatoxin (ppb)	TLC	22.1	21.5	Y	Y		100%	0.38	20.1	4.422
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	23.391	22.068	Y	Y		100%	0.59	20.1	4.422
0959	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	0.7	0.1	Y	Y		100%	-6.88	1,900	276
0957	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2	1.5	Y	Y		100%	-6.88	1,900	276
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	1.8	2	Y	Y		100%	-6.88	1,900	276
0958	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1.9	2	Y	Y		100%	-6.88	1,900	276
2052	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,498	1,096	Y	Y		100%	-2.19	1,900	276
0042	620.12	Total Fumonisin (ppb)	Vicam FumoniTest 200	1,320	1,520	Y	Y		100%	-1.74	1,900	276
0964	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,400	2,100	Y	Y		100%	-0.54	1,900	276
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,900	1,900	Y	Y		100%	0.00	1,900	276
0004	620.11	Total Fumonisin (ppb)	Vicam FumoniTest	2,000	1,900	Y	Y		100%	0.18	1,900	276
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2,000	2,000	Y	Y		100%	0.36	1,900	276
0013	620.11	Total Fumonisin (ppb)	Vicam FumoniTest	1,980	2,040	Y	Y		100%	0.40	1,900	276
0001	620.23	Total Fumonisin (ppb)	LC-MS/MS	2,144	1,988	Y	Y		100%	0.60	1,900	276
0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	2,358	3,265	Y	Y		100%	3.30	1,900	276
0957	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	0.2	0.2	Y	Y		100%	-5.05	242.3	47.978
0660	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	0.2	0.4	Y	Y		100%	-5.04	242.3	47.978
0553	650.23	Zearalenone (ppb)	LC-MS	44.81	42.18	Y	Y		100%	-4.14	242.3	47.978
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zea	135.9	136	Y	Y		100%	-2.22	242.3	47.978
2052	650.24	Zearalenone (ppb)	LC-MS/MS	149	135	Y	Y		100%	-2.09	242.3	47.978

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zea	159.3	184.8	Y	Y		100%	-1.46	242.3	47.978
0918	650.24	Zearalenone (ppb)	LC-MS/MS	190	167	Y	Y		100%	-1.33	242.3	47.978
2033	650.24	Zearalenone (ppb)	LC-MS/MS	251.3	240.6	Y	Y		100%	0.08	242.3	47.978
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	252.5	299.6	Y	Y		100%	0.70	242.3	47.978
0218	650.24	Zearalenone (ppb)	LC-MS/MS	286.5	276.5	Y	Y		100%	0.82	242.3	47.978
0001	650.24	Zearalenone (ppb)	LC-MS/MS	301.1	281.7	Y	Y		100%	1.02	242.3	47.978
2060	650.24	Zearalenone (ppb)	LC-MS/MS	315.9	323.2	Y	Y		100%	1.61	242.3	47.978
0227	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	318	494	Y	Y		100%	3.41	242.3	47.978
0964	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	461	493.4	Y	Y		100%	4.90	242.3	47.978

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 for that 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.