



Mycotoxin Proficiency Testing

Analytes for Sample # 201464 Dog Food

Lab #	Code	Analyte	Method	Result 1	Result 2	Detect ?		LOD	Probability of Detection	Z Score	Assigned Value	Horwitz
						D1	D2					
0964	600.21	Total Aflatoxin (ppb)	LC post-col photochem der. FI	20.04	23.5	Y	Y		100%	-0.74	25.978	5.715
0004	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	23	21	Y	Y		100%	-0.70	25.978	5.715
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	21.6	22.6	Y	Y		100%	-0.68	25.978	5.715
2072	600.99	Total Aflatoxin (ppb)	Miscellaneous technique	15.7	30.9	Y	Y		100%	-0.47	25.978	5.715
0033	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	23.8	25.2	Y	Y		100%	-0.26	25.978	5.715
0042	600.20	Total Aflatoxin (ppb)	LC	27	22	Y	Y		100%	-0.26	25.978	5.715
0027	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	28	21.2	Y	Y		100%	-0.24	25.978	5.715
0959	600.99	Total Aflatoxin (ppb)	Miscellaneous technique	26.9	22.5	Y	Y		100%	-0.22	25.978	5.715
0297	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	25	24.7	Y	Y		100%	-0.20	25.978	5.715
0964	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	24.85	25.3	Y	Y		100%	-0.16	25.978	5.715
0003	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	30.1	21.6	Y	Y		100%	-0.02	25.978	5.715
0013	600.22	Total Aflatoxin (ppb)	Vicam Aflatest, LC-FI	25.8	26.2	Y	Y		100%	0.00	25.978	5.715
2050	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	25.7	29.2	Y	Y		100%	0.26	25.978	5.715
0958	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	27.9	27.6	Y	Y		100%	0.31	25.978	5.715
0010	600.21	Total Aflatoxin (ppb)	LC post-col photochem der. FI	29.3	26.3	Y	Y		100%	0.32	25.978	5.715
0227	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	23	33	Y	Y		100%	0.35	25.978	5.715
0035	600.20	Total Aflatoxin (ppb)	LC	34.473	36.542	Y	Y		100%	1.67	25.978	5.715
0035	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afla	37.683	37.937	Y	Y		100%	2.07	25.978	5.715
2033	600.24	Total Aflatoxin (ppb)	LC-MS/MS	40.398	43.728	Y	Y		100%	2.81	25.978	5.715
0035	601.20	AB1 (ppb)	LC	30.405	4.068	Y	Y		100%	-2.01	30.854	6.788
0964	601.21	AB1 (ppb)	LC post-col photochem der. -FI	18.3	21.7	Y	Y		100%	-1.60	30.854	6.788
0918	601.23	AB1 (ppb)	LC-MS/MS	23.8	23.5	Y	Y		100%	-1.06	30.854	6.788
0013	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	23.6	24	Y	Y		100%	-1.04	30.854	6.788
2023	601.24	AB1 (ppb)	Vicam Aflatest, LC-FI	27.6	28.2	Y	Y		100%	-0.44	30.854	6.788
0553	601.23	AB1 (ppb)	LC-MS/MS	39.21	34.13	Y	Y		100%	0.86	30.854	6.788
2033	601.23	AB1 (ppb)	LC-MS/MS	36.935	40.035	Y	Y		100%	1.12	30.854	6.788
2060	601.23	AB1 (ppb)	LC-MS/MS	81	74.3	Y	Y		100%	6.89	30.854	6.788
0964	602.21	AB2 (ppb)	LC post-col photochem der.-FI	1.74	1.75	Y	Y		100%	-1.68	2.765	0.608
0918	602.23	AB2 (ppb)	LC-MS/MS	2.1	2.2	Y	Y		100%	-1.01	2.765	0.608
0013	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	2.2	2.2	Y	Y		100%	-0.93	2.765	0.608
2023	602.24	AB2 (ppb)	Vicam Aflatest, LC-FI	2.5	2.8	Y	Y		100%	-0.19	2.765	0.608
2033	602.23	AB2 (ppb)	LC-MS/MS	2.98	3.19	Y	Y		100%	0.53	2.765	0.608
2060	602.23	AB2 (ppb)	LC-MS/MS	5.9	4.1	Y	Y		100%	3.67	2.765	0.608
0553	602.23	AB2 (ppb)	LC-MS/MS	5.78	5.37	Y	Y		100%	4.62	2.765	0.608
0035	602.20	AB2 (ppb)	LC	31.692	4.85	Y	Y		100%	25.49	2.765	0.608

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						D1	D2					
0035	603.20	AG1* (ppb)	LC			N	N	1			ND (0.5)	
0964	603.21	AG1* (ppb)	LC post-col photochem der. -FI			N	N	1.5			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	0.3	0.1	Y	Y				ND (0.5)	
2033	603.23	AG1* (ppb)	LC-MS/MS	0.485	0.503	Y	Y				ND (0.5)	
2060	603.23	AG1* (ppb)	LC-MS/MS			N	N	1.1			ND (0.5)	
0013	603.24	AG1* (ppb)	Vicam Aflatest, LC-FI			N	N	2			ND (0.5)	
2023	603.24	AG1* (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	
0035	604.20	AG2* (ppb)	LC			N	N	1			ND (0.5)	
0964	604.21	AG2* (ppb)	LC post-col photochem der. -FI			N	N	1.6			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	0.1			ND (0.5)	
2060	604.23	AG2* (ppb)	LC-MS/MS			N	N	1.6			ND (0.5)	
0013	604.24	AG2* (ppb)	Vicam Aflatest, LC-FI			N	N	0.9			ND (0.5)	
2023	604.24	AG2* (ppb)	Vicam Aflatest, LC-FI			N	N	0.6			ND (0.5)	
0959	610.99	Deoxynivalenol (ppb)	Miscellaneous technique	0.3	0.8	Y	Y		100%	-6.49	1,288	198.3
0202	610.06	Deoxynivalenol (ppb)	r-Biopharm Ridascreen DON	0.9	0.9	Y	Y		100%	-6.49	1,288	198.3
0958	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.3	1.5	Y	Y		100%	-6.49	1,288	198.3
2050	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1.3	1.9	Y	Y		100%	-6.49	1,288	198.3
0553	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,025	831.6	Y	Y		100%	-1.81	1,288	198.3
0003	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,100	1,100	Y	Y		100%	-0.95	1,288	198.3
0227	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,300	900	Y	Y		100%	-0.95	1,288	198.3
0297	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,000	1,300	Y	Y		100%	-0.70	1,288	198.3
0027	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,100	1,300	Y	Y		100%	-0.44	1,288	198.3
0918	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,230	1,280	Y	Y		100%	-0.17	1,288	198.3
2023	610.20	Deoxynivalenol (ppb)	LC	1,291	1,314	Y	Y		100%	0.07	1,288	198.3
0035	610.08	Deoxynivalenol (ppb)	r-Biopharm Ridascreen FAST DON	1,365	1,327	Y	Y		100%	0.29	1,288	198.3
2033	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,404	1,308	Y	Y		100%	0.34	1,288	198.3
0033	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,400	1,400	Y	Y		100%	0.56	1,288	198.3
0964	610.01	Deoxynivalenol (ppb)	Neogen Veratox for DON	1,400	1,400	Y	Y		100%	0.56	1,288	198.3
2072	610.99	Deoxynivalenol (ppb)	Miscellaneous technique	1,560	1,650	Y	Y		100%	1.60	1,288	198.3
2060	610.23	Deoxynivalenol (ppb)	LC-MS/MS	1,839	1,684	Y	Y		100%	2.39	1,288	198.3
2050	620.02	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin 5/1	1.39	1.85	Y	Y		100%	-6.85	1,844	269.1
0958	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2.1	1.7	Y	Y		100%	-6.85	1,844	269.1
0202	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	2.3	2.2	Y	Y		100%	-6.85	1,844	269.1
0042	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	400	200	Y	Y		100%	-5.74	1,844	269.1
0004	620.11	Total Fumonisin (ppb)	Vicam FumoniTest	1,600	1,400	Y	Y		100%	-1.28	1,844	269.1
2033	620.23	Total Fumonisin (ppb)	LC-MS/MS	1,562	1,460	Y	Y		100%	-1.24	1,844	269.1
0964	620.21	Total Fumonisin (ppb)	LC-FI, OPA der.	1,948	1,472	Y	Y		100%	-0.50	1,844	269.1
0027	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	1,900	1,900	Y	Y		100%	0.21	1,844	269.1
0964	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2,200	2,200	Y	Y		100%	1.32	1,844	269.1
0033	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	2,300	2,350	Y	Y		100%	1.79	1,844	269.1

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0035	620.09	Total Fumonisin (ppb)	r-Biopharm Ridascreen Fast Fumc	3,238	3,182	Y	Y		100%	5.07	1,844	269.1
0227	620.01	Total Fumonisin (ppb)	Neogen Veratox for Fumonisin	3,000	4,000	Y	Y		100%	6.15	1,844	269.1
2033	621.23	FB1 (ppb)	LC-MS/MS	1,148	1,047	Y	Y		100%	-1.56	1,437	217.7
0964	621.21	FB1 (ppb)	LC-FI, OPA der.	1,411	945	Y	Y		100%	-1.19	1,437	217.7
0553	621.23	FB1 (ppb)	LC-MS/MS	1,349	1,505	Y	Y		100%	-0.05	1,437	217.7
2060	621.23	FB1 (ppb)	LC-MS/MS	1,894	2,198	Y	Y		100%	2.80	1,437	217.7
0553	622.23	FB2 (ppb)	LC-MS/MS	305.2	387.1	Y	Y		100%	-1.53	476.3	85.191
2033	622.23	FB2 (ppb)	LC-MS/MS	413.5	412.8	Y	Y		100%	-0.74	476.3	85.191
0964	622.21	FB2 (ppb)	LC-FI, OPA der.	538	527	Y	Y		100%	0.66	476.3	85.191
2060	622.23	FB2 (ppb)	LC-MS/MS	618.4	608.6	Y	Y		100%	1.61	476.3	85.191
0553	623.23	FB3* (ppb)	LC-MS/MS	246.4	299.7	Y	Y		100%	-0.82	323	61.249
2060	623.23	FB3* (ppb)	LC-MS/MS	415	392.2	Y	Y		100%	1.32	323	61.249
0964	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	28	31	Y	Y		100%	-3.50	125.3	27.407
0958	630.01	Ochratoxin A (ppb)	Neogen Veratox for Ochratoxin	36.3	43.8	Y	Y		100%	-3.11	125.3	27.407
0964	630.21	Ochratoxin A (ppb)	LC post-col photochem der. FI	93	116	Y	Y		100%	-0.76	125.3	27.407
2033	630.23	Ochratoxin A (ppb)	LC-MS/MS	137.7	147.3	Y	Y		100%	0.63	125.3	27.407
0553	630.23	Ochratoxin A (ppb)	LC-MS/MS	123.2	187.6	Y	Y		100%	1.10	125.3	27.407
2023	630.20	Ochratoxin A (ppb)	LC	165	151	Y	Y		100%	1.19	125.3	27.407
2060	630.23	Ochratoxin A (ppb)	LC-MS/MS	171.8	175.1	Y	Y		100%	1.76	125.3	27.407
0918	630.23	Ochratoxin A (ppb)	LC-MS/MS	174	192	Y	Y		100%	2.10	125.3	27.407
2033	640.23	T-2 (ppb)	LC-MS/MS	113.3	105	Y	Y		100%	-2.91	254.5	50.016
0918	640.23	T-2 (ppb)	LC-MS/MS	117	107	Y	Y		100%	-2.85	254.5	50.016
0553	640.23	T-2 (ppb)	LC-MS/MS	222.7	191.1	Y	Y		100%	-0.95	254.5	50.016
0202	640.05	T-2 (ppb)	r-Biopharm Ridascreen FAST T-2	269.3	259.3	Y	Y		100%	0.20	254.5	50.016
0964	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	347	338	Y	Y		100%	1.76	254.5	50.016
0227	640.01	T-2 (ppb)	Neogen Veratox T-2 / HT-2	2,045	2,005	Y	Y		100%	35.40	254.5	50.016
2060	640.23	T-2 (ppb)	LC-MS/MS			N	N	200	86.19%	NoZ	254.5	50.016
0202	650.06	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zea	217.3	223.3	Y	Y		100%	-2.10	361.7	67.432
0033	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	230	238	Y	Y		100%	-1.89	361.7	67.432
0027	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	241.7	234.2	Y	Y		100%	-1.84	361.7	67.432
0553	650.24	Zearalenone (ppb)	LC-MS/MS	232.1	248.2	Y	Y		100%	-1.80	361.7	67.432
0003	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	326	285	Y	Y		100%	-0.83	361.7	67.432
0227	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	389	284	Y	Y		100%	-0.37	361.7	67.432
0964	650.01	Zearalenone (ppb)	Neogen Veratox Zearalenone	367	371	Y	Y		100%	0.11	361.7	67.432
0918	650.24	Zearalenone (ppb)	LC-MS/MS	345	450	Y	Y		100%	0.53	361.7	67.432
2033	650.24	Zearalenone (ppb)	LC-MS/MS	426.7	405.8	Y	Y		100%	0.81	361.7	67.432
0035	650.07	Zearalenone (ppb)	r-Biopharm Ridascreen FAST Zea	409.1	446.9	Y	Y		100%	0.98	361.7	67.432
0964	650.22	Zearalenone (ppb)	LC-FI, AOCS	369	538	Y	Y		100%	1.36	361.7	67.432
2023	650.20	Zearalenone (ppb)	LC	560	469	Y	Y		100%	2.27	361.7	67.432
2060	650.24	Zearalenone (ppb)	LC-MS/MS	980.6	1,083	Y	Y		100%	9.94	361.7	67.432

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. An asterix on the

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						D1	D2					

Analyte name indicates Reference Lab Value Used as Assigned Value.