

AAFCO Proficiency Testing New Mycotoxin Reports

Albuquerque Mid Year Meeting, 2020



What's New

- Introducing Z Scores based on individual method data.
 - Enough participants in **some** methods for reliable stats.
 - Should **help** to address the “Kits vs Chem.” dilemma.
- Report Card based on individual method Assigned Value.
- Report Card based on analyte Assigned Value (old way).
- More extensive Method Summary report.
- Method precision report.
 - Examine Within vs Between Labs variance.
- Comparison of different methods for the same analyte.
- Alignment with other AAFCO PT Schemes.
- Labs in our other Schemes now used to limit reporting (<).

What's Different

- Mean Lab value and Range instead of two Lab values.
- No P of detection for limit reporting (<).

Individual Method Summary Report



Mycotoxin Contaminants Scheme
Fish Food
Test Material Code # 201964

Method Summary Report
(Precision Report Follows)

Labs Reporting: 53
Methods Reported: 87
Issue Date : 11/30/2019

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	12	12	44.03	3.528	44.01	14.63	5.278	33.23%	3.042	22.00%
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	7	7	48.12	14.36	48.58	16.10	7.608	33.14%	2.404	22.00%
600.20	Total Aflatoxin, LC (ppb)	5	5	55.92	11.33	55.92	18.46	8.257	33.02%	1.828	22.00%
600.24	Total Aflatoxin, LC-MS/MS (ppb)	5	5	55.16	26.73	58.16	19.18	8.579	32.98%	9.237	22.00%
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	3	3	38.00	9.778	33.90	11.35	6.550	33.47%	1.685	22.00%
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	3	3	38.00	12.19	38.87	12.96	7.482	33.35%	3.597	22.00%
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	2	2	57.00	2.878						
600.10	Total Aflatoxin, TLC (ppb)	1	1	54.17							
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	1	1	43.00							
600.21	Total Aflatoxin, LC-PCD FI (ppb)	1	1	84.46							
601.23	Aflatoxin B1, LC-MS/MS (ppb)	11	11	59.67		59.90	19.74	7.441	32.96%	9.788	22.00%
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	5	4	48.35		48.35	16.03	8.014	33.15%	0.9850	22.00%
601.20	Aflatoxin B1, LC (ppb)	3	3	50.55	8.00	50.55	16.74	9.662	33.11%	1.285	22.00%
601.21	Aflatoxin B1, LC-PCD FI (ppb)	3	3	58.64	17.00	58.64	19.34	11.16	32.98%	4.370	22.00%
601.22	Aflatoxin B1, LC-MS (ppb)	1	1	52.42							
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	1	1	43.80							
601.92	Aflatoxin B1, r-Biopharm Ridascreen Afl B1I (ppb)	1	1	37.60							
602.23	Aflatoxin B2, LC-MS/MS (ppb)	11	10	3.699	1.305		1.315	0.5197	35.54%	0.7873	22.00%
602.20	Aflatoxin B2, LC (ppb)	3	3	3.116	0.9987		1.113	0.6424	35.71%	0.2493	22.00%
602.21	Aflatoxin B2, LC-PCD FI (ppb)	3	3	3.770	1.701		3.770	0.7732	35.52%	0.3867	22.00%
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	1	1	2.600							
603.20	Aflatoxin G1, LC (ppb)	1	1	0.5715							
603.21	Aflatoxin G1, LC-PCD FI (ppb)	2	1	0.3100							
603.23	Aflatoxin G1, LC-MS/MS (ppb)	10									
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	1		0.1000							
604.20	Aflatoxin G2, LC (ppb)	1		0.0250							
604.21	Aflatoxin G2, LC-PCD FI (ppb)	2		0.0100							
604.23	Aflatoxin G2, LC-MS/MS (ppb)	10									
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	1		0.1000							

Methods listed by most reliable data first. No Robust Calcs. If < 6 labs.

Blowup of Aflatoxin Method Data



Method Summary Report (Precision Report Follows)

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Issue Date : 11/30/2019

Method Code		Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
600.01	Total Aflatoxin,	12	12	44.03	3.528	44.01	14.63	5.278	33.23%	3.042	22.00%
600.98	Total Aflatoxin,	7	7	48.12	14.36	48.58	16.10	7.608	33.14%	2.404	22.00%
600.20	Total Aflatoxin,	5	5	55.92	11.33	55.92	18.46	8.257	33.02%	1.828	22.00%
600.24	Total Aflatoxin,	5	5	58.16	26.73	58.16	19.18	8.579	32.98%	9.237	22.00%
600.12	Total Aflatoxin,	3	3	33.90	9.778	33.90	11.35	6.550	33.47%	1.685	22.00%
600.13	Total Aflatoxin,	3	3	38.87	12.19	38.87	12.96	7.482	33.35%	3.597	22.00%
600.08	Total Aflatoxin,	2	2	57.04	2.878						
600.10	Total Aflatoxin,	1	1	54.17							
600.14	Total Aflatoxin,	1	1	43.00							
600.21	Total Aflatoxin,	1	1	84.46							

Are Assigned Values Different?? Use ± U

10 Aflatoxin methods.
LC & Kits

2 methods with Robust Calcs

Compare 2 SDs, Raw and Revised Horwitz.

Revised Horwitz %RSD

Thompson Horwitz %RSD

Test Material Code # 201964

(Precision Report Follows)

Issue Date : 11/30/2019

Method Code	Analyte and Method	Total # Labs Submitting	# Labs In Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD Thompson
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	13	12	2,398	330.2	2,371	707.4	255.3	29.83%	196.2	14.05%
610.23	Deoxynivalenol, LC-MS/MS (ppb)	12	12	2,280	598.0	2,238	668.6	241.3	29.88%	190.5	14.17%
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	8	7	2,399	391.1	2,399	715.3	338.0	29.82%	126.0	14.02%
610.20	Deoxynivalenol, LC (ppb)	7	5	2,277	276.3	2,277	679.9	380.1	29.86%	67.90	14.13%
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	3	3	2,551	183.6	2,551	759.3	438.4	29.77%	116.3	13.89%
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (ppb)	2	2	2,837	293.1						
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	1	1	2,840							
610.22	Deoxynivalenol, LC-MS (ppb)	1	1	2,100							
610.99	Deoxynivalenol, Miscellaneous (ppb)	1	1	1,770							
610.03	Deoxynivalenol, Charm ROSA DON Quant (ppb)	1		1,700							
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	1		2,481							
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	9	9	2,991	1,274	3,077	911.5	379.8	29.62%	145.1	13.51%
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	6	5	2,961	1,253	2,961	720.0	402.5	24.32%	138.6	13.59%
620.23	Total Fumonisin, LC-MS/MS (ppb)	5	5	3,186	598.3	3,186	942.9	421.7	29.59%	261.3	13.44%
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	5	3	3,906	976.6	3,906	1,149	663.6	29.43%	43.67	13.03%
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	3	2	3,350	105.7	3,350	989.9			95.50	13.34%
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	2	2	3,400	21.21						
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	2	2	5,075	1,379						
620.05	Total Fumonisin, Charm ROSA FUMQ MeOH (ppb)	1		2,600							
621.23	Fumonisin B1, LC-MS/MS (ppb)	10	10	2,326	614.7	2,283	681.8	269.5	29.86%	88.29	14.13%
621.20	Fumonisin B1, LC (ppb)	2	2	2,928	737.8						
621.21	Fumonisin B1, LC-FI OPA der. (ppb)	1	1	2,227							
621.22	Fumonisin B1, LC-MS (ppb)	2	1	3,295							
622.23	Fumonisin B2, LC-MS/MS (ppb)	10	10	660.6	312.3	607.0	187.9	74.26	30.95%	57.40	17.25%
622.20	Fumonisin B2, LC (ppb)	2	2	583.1	94.68						
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	1	1	473.0							
622.22	Fumonisin B2, LC-MS (ppb)	2	1	520.0							
623.23	Fumonisin B3, LC-MS/MS (ppb)	5	5	359.9	115.2	359.9	113.0	50.53	31.39%	18.06	18.66%
623.22	Fumonisin B3, LC-MS (ppb)	1	1	290.0							
630.23	Ochratoxin A, LC-MS/MS (ppb)	12	12	231.9	79.26	221.7	70.53	25.45	31.81%	20.78	20.07%
630.20	Ochratoxin A, LC (ppb)	5	5	179.4	82.51	179.4	57.39	25.66	31.99%	11.58	20.72%
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	5	5	189.3	62.00	189.3	60.47	27.04	31.94%	11.56	20.55%
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	3	3	137.7	144.0	137.7	44.38	31.38	32.22%	55.23	21.56%
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	3	3	142.7	35.56	142.7	45.93	26.52	32.19%	2.203	21.44%
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	2	2	90.91	4.630						
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	1	1	249.9							
630.21	Ochratoxin A, LC-PCD FI (ppb)	1	1	163.8							
640.23	T-2 Toxin, LC-MS/MS (ppb)	10	9	62.14	10.13	62.00	20.41	8.506	32.93%	4.137	22.00%
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	4	4	79.99	21.64	79.99	26.16	13.08	32.70%	5.685	22.00%
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	2	2	92.46	26.00						

Test Material Code # 201964

(Precision Report Follows)

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640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	2	2	87.68	41.75						
640.21	T-2 Toxin, LC-PCD FI (ppb)	1	1	37.20							
641.23	HT-2 Toxin, LC-MS/MS (ppb)	7	6	39.34	7.308	39.33	13.11	6.691	33.34%	3.468	22.00%
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	24.50							
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	5	5	153.0	47.99	153.0	49.15	21.98	32.13%	5.358	21.22%
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	2	2	125.1	1.117						
642.03	T-2 Toxin + HT-2 Toxin, LC post-col photochem der. FI (ppb)	1	1	100.4							
650.24	Zearalenone, LC-MS/MS (ppb)	13	13	439.4	89.58	437.1	136.5	47.32	31.23%	24.96	18.12%
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	7	7	789.7	1,196	361.3	113.4	53.59	31.39%	71.91	18.65%
650.98	Zearalenone, Other Rapid Test Kit (ppb)	7	7	380.7	35.48	384.8	120.6	56.97	31.34%	15.93	18.47%
650.20	Zearalenone, LC (ppb)	6	6	376.6	77.53	376.5	118.1	60.25	31.36%	51.09	18.53%
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	3	3	277.1	44.82	277.1	87.60	50.57	31.62%	22.42	19.41%
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	3	3	282.1	69.22	282.1	89.15	51.47	31.60%	15.96	19.35%
650.02	Zearalenone, Charm ROSA Zearalenone Quant - MeOH (ppb)	1	1	0.2200							
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	1	1	394.7							
650.21	Zearalenone, LC-FI, ISO (ppb)	1	1	415.5							
650.23	Zearalenone, LC-MS (ppb)	1	1	294.2							
650.99	Zearalenone, Miscellaneous (ppb)	1	1	350.0							

Notes: Robust statistics not used if < 6 labs reporting. In this case Means and SD's may be reported based on Raw Data with obvious blunders removed. Robust Assigned Values indicated in bold font. Horwitz and Revised Horwitz SD's assigned regardless of participant number.

Test Material Co

(Precision Report Follows)

Issue Date : 11/30/2019

Method Code	Blowup of Zearalene. Method Data	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
650.24	Zearalene, L	13	13	439.4	89.58	437.1	136.5	47.32	31.23%	24.96	18.12%
650.01	Zearalene, M	7	7	789.7	1,196	361.3	113.4	53.59	31.39%	71.91	18.65%
650.98	Zearalene, C	7	7	380.7	35.48	384.8	120.6	56.97	31.34%	15.93	18.47%
650.20	Zearalene, L	6	6	376.6	77.53	376.5	118.1	60.25	31.36%	51.09	18.53%
650.06	Zearalene, r	3	3	277.1	44.82	277.1	87.60	50.57	31.62%	22.42	19.41%
650.07	Zearalene, r	3	3	282.1	69.22	282.1	89.15	51.47	31.60%	15.96	19.35%
650.02	Zearalene, C	1	1	0.2200							
650.04	Zearalene, F	1	1	394.7							
650.21	Zearalene, L	1	1	415.5							
650.23	Zearalene, L	1	1	294.2							
650.99	Zearalene, M	1	1	350.0							

11 Zearalene methods.
LC & Kits

4 methods with Robust Calculations

Compare 2 SDs, Raw and Revised Horwitz.

Are Assigned Values really that different??

Use uncertainty ($\pm U$) to compare AVs

Revised Horwitz %RSD

Thompson Horwitz %RSD

R-Bar is an estimate of the Repeatability SD.



Mycotoxin Contaminants Scheme
 Fish Food
 Test Material Code # 201964

Method Precision Report

Methods Reported: 11
 # Labs Reporting: 53
 Issue Date : 11/30/2019

Method Code	Analyte and Method	Total # Labs Submitting	# Labs used in Precision Calcs	Precision Mean	Precision SD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	12	12	44.03	3.528	2.801	3.034	4.129	6.36%	6.89%	9.38%	1.361
601.23	Aflatoxin B1, LC-MS/MS (ppb)	11	10	59.67	20.33	21.04	5.393	21.72	35.50%	9.10%	36.65%	4.026
602.23	Aflatoxin B2, LC-MS/MS (ppb)	11	10	3.699	1.305	1.184	0.7771	1.416	32.01%	21.01%	38.29%	1.822
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	13	11	2,398	330.2	211.4	149.0	258.6	9.08%	6.40%	11.11%	1.736
610.23	Deoxynivalenol, LC-MS/MS (ppb)	12	11	2,280	598.0	588.2	140.4	604.7	25.21%	6.02%	25.92%	4.306
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	9	8	2,991	1,274	812.3	142.0	824.6	23.39%	4.26%	24.76%	5.807
621.23	Fumonsin B1, LC-MS/MS (ppb)	10	10	2,326	614.7	611.8	85.48	617.7	26.30%	3.68%	26.56%	7.226
622.23	Fumonisin B2, LC-MS/MS (ppb)	10	9	660.6	312.3	149.3	40.41	154.7	26.07%	7.05%	27.01%	3.829
630.23	Ochratoxin A, LC-MS/MS (ppb)	12	11	231.9	79.26	48.01	6.450	48.44	22.51%	3.02%	22.71%	7.511
640.23	T-2 Toxin, LC-MS/MS (ppb)	10	8	62.14	10.13	10.39	3.187	10.86	16.54%	5.08%	17.31%	3.409
650.24	Zearalenone, LC-MS/MS (ppb)	13	13	439.4	89.58	88.27	21.54	90.86	20.09%	4.90%	20.68%	4.219

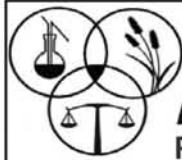
Notes: Precision Calculations provided for methods with 8 or more labs used in calculations.

Only 11 methods with 8 or more participants.

Between Labs %RSD	Repeatability Within Labs %rsd	Reproducibility %RSD	sR/sr
6.36%	6.89%	9.38%	1.361
35.50%	9.10%	36.65%	4.026
32.01%	21.01%	38.29%	1.822
9.08%	6.40%	11.11%	1.736
25.21%	6.02%	25.92%	4.306

Total Aflatoxin, Neogen Veratox
Aflatoxin B1, LC-MS/MS
Aflatoxin B2, LC-MS/MS
DON, Neogen Veratox
DON, LC-MS/MS

Individual Method Proficiency Report



AAFCO
Proficiency Testing Program



Mycotoxin Contaminants Scheme

Fish Food

Test Material Code # 201964

Method Proficiency Testing Report

Labs Reporting: 53

Methods Reported 87

Issue Date : 11/30/2019

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0511	37.90	1.600	44.01	14.63	3.042	12	-0.42	7%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	2096	41.05	2.100	44.01	14.63	3.042	12	-0.20	3%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	2098	41.80	0.4000	44.01	14.63	3.042	12	-0.15	3%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0208	41.95	8.300	44.01	14.63	3.042	12	-0.14	2%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	2113	42.15	4.500	44.01	14.63	3.042	12	-0.13	2%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0027	43.10	8.000	44.01	14.63	3.042	12	-0.06	1%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0554	44.10	0.2000	44.01	14.63	3.042	12	0.01	0%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0034	44.75	0.4000	44.01	14.63	3.042	12	0.05	1%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0529	44.85	0.1000	44.01	14.63	3.042	12	0.06	1%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0876	47.55	3.100	44.01	14.63	3.042	12	0.24	4%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0003	48.85	0.7000	44.01	14.63	3.042	12	0.33	5%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0297	50.35	7.100	44.01	14.63	3.042	12	0.43	7%	0
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	0674	55.00	0.0000				2			0
600.08	Total Aflatoxin, Romer AgraQuant Total Afl 4-40ppb (ppb)	2022	59.07	0.4400				2			0
600.10	Total Aflatoxin, TLC (ppb)	0674	54.17	0.0000				1			0
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	2129	22.84	1.600				3			0
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	0202	37.44	1.572				3			0
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (ppb)	2226	41.41	1.883				3			0
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	0407	26.99	0.3000				3			0
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	0035	38.27	3.270				3			0
600.13	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl SC (ppb)	0066	51.34	7.220				3			0
600.14	Total Aflatoxin, Vicam Aflatest (ppb)	2268	43.00	12.00				1			0
600.20	Total Aflatoxin, LC (ppb)	2192	43.91	1.960	55.92	18.46	1.828	5			0
600.20	Total Aflatoxin, LC (ppb)	0010	46.00	4.000	55.92	18.46	1.828	5			0
600.20	Total Aflatoxin, LC (ppb)	2247	55.76	1.410	55.92	18.46	1.828	5			0
600.20	Total Aflatoxin, LC (ppb)	2244	63.26	0.2690	55.92	18.46	1.828	5			0
600.20	Total Aflatoxin, LC (ppb)	0042	70.65	1.500	55.92	18.46	1.828	5			0
600.21	Total Aflatoxin, LC-PCD FI (ppb)	0098	84.46	8.590				1			0
600.24	Total Aflatoxin, LC-MS/MS (ppb)	2057	25.30	2.706	58.16	19.18	9.237	5			0
600.24	Total Aflatoxin, LC-MS/MS (ppb)	0032	46.70	8.400	58.16	19.18	9.237	5			0
600.24	Total Aflatoxin, LC-MS/MS (ppb)	2033	59.50	8.400	58.16	19.18	9.237	5			0
600.24	Total Aflatoxin, LC-MS/MS (ppb)	0619	60.65	13.98	58.16	19.18	9.237	5			0
600.24	Total Aflatoxin, LC-MS/MS (ppb)	0218	98.65	12.70	58.16	19.18	9.237	5			0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	2050	22.50	0.6000	48.58	16.10	2.404	7	-1.62	27%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	0047	37.85	5.500	48.58	16.10	2.404	7	-0.67	11%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	2169	43.20	1.000	48.58	16.10	2.404	7	-0.33	6%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	0142	55.75	4.900	48.58	16.10	2.404	7	0.44	7%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	0870	56.35	1.300	48.58	16.10	2.404	7	0.48	8%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	2269	57.85	3.400	48.58	16.10	2.404	7	0.58	10%	0
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	2244	63.33	0.1300	48.58	16.10	2.404	7	0.92	15%	0
601.20	Aflatoxin B1, LC (ppb)	2192	41.40	1.760				3			0
601.20	Aflatoxin B1, LC (ppb)	2247	52.62	1.850				3			0
601.20	Aflatoxin B1, LC (ppb)	2244	57.62	0.2460				3			0
601.21	Aflatoxin B1, LC-PCD FI (ppb)	0910	44.40	4.810				3			0
601.21	Aflatoxin B1, LC-PCD FI (ppb)	0868	52.80	0.4000				3			0
601.21	Aflatoxin B1, LC-PCD FI (ppb)	0098	78.73	7.900				3			0
601.22	Aflatoxin B1, LC-MS (ppb)	0043	52.42	0.0000				1			0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	2057	23.34	2.156	59.90	19.74	9.788	11	-1.85	31%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0918	42.45	5.100	59.90	19.74	9.788	11	-0.88	15%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0870	43.84	1.920	59.90	19.74	9.788	11	-0.81	13%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0032	46.70	8.400	59.90	19.74	9.788	11	-0.67	11%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	2033	54.40	6.200	59.90	19.74	9.788	11	-0.28	5%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0619	58.36	13.05	59.90	19.74	9.788	11	-0.08	1%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0553	63.77	42.87	59.90	19.74	9.788	11	0.20	3%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0009	72.37	5.940	59.90	19.74	9.788	11	0.63	10%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0964	77.76	0.7300	59.90	19.74	9.788	11	0.90	15%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	2207	79.50	9.000	59.90	19.74	9.788	11	0.99	16%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	0218	93.85	12.30	59.90	19.74	9.788	11	1.72	28%	0
601.24	Aflatoxin B1, Vicam Aflatest, LC-FI (ppb)	2053	43.80	3.600				1			0
601.92	Aflatoxin B1, r-Biopharm Ridascreen Afl B1l (ppb)	2022	37.60	1.340				1			0
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2239	43.85	0.6300	48.35	16.03	0.9850	4			0
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	0868	44.50	1.000	48.35	16.03	0.9850	4			0
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	0878	48.30	2.000	48.35	16.03	0.9850	4			0
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2244	56.76	0.3100	48.35	16.03	0.9850	4			0
601.98	Aflatoxin B1, Other Rapid Test Kit (ppb)	2269	50.73	6.420	48.35	16.03	0.9850	4			1
602.20	Aflatoxin B2, LC (ppb)	2192	2.510	0.2000				3			0
602.20	Aflatoxin B2, LC (ppb)	2247	2.570	0.5000				3			0
602.20	Aflatoxin B2, LC (ppb)	2244	4.269	0.0480				3			0
602.21	Aflatoxin B2, LC-PCD FI (ppb)	0868	2.630	0.0800				3			0
602.21	Aflatoxin B2, LC-PCD FI (ppb)	0910	2.955	0.3900				3			0
602.21	Aflatoxin B2, LC-PCD FI (ppb)	0098	5.725	0.6900				3			0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0553	1.780	0.0600	3.699	1.315	0.7873	10	-1.46	26%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	2057	1.965	0.5500	3.699	1.315	0.7873	10	-1.32	23%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0619	2.295	0.9300	3.699	1.315	0.7873	10	-1.07	19%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0870	3.000	0.1200	3.699	1.315	0.7873	10	-0.53	9%	0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0918	4.100	1.380	3.699	1.315	0.7873	10	0.31	5%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0964	4.493	0.3000	3.699	1.315	0.7873	10	0.60	11%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0009	4.557	0.1330	3.699	1.315	0.7873	10	0.65	12%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0218	4.700	0.2000	3.699	1.315	0.7873	10	0.76	14%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	2207	5.000	2.000	3.699	1.315	0.7873	10	0.99	18%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	2033	5.100	2.200	3.699	1.315	0.7873	10	1.07	19%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	0032	0.0000	0.0000	3.699	1.315	0.7873	10			4
602.24	Aflatoxin B2, Vicam Aflatest, LC-FI (ppb)	2053	2.600	0.2000				1			0
603.20	Aflatoxin G1, LC (ppb)	2247	0.5715	0.0610				1			0
603.21	Aflatoxin G1, LC-PCD FI (ppb)	0910	0.3100	0.0600				1			0
603.21	Aflatoxin G1, LC-PCD FI (ppb)	0098	< 15					1			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0032	0.0000	0.0000				0			4
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0619	0.0000	0.0000				0			4
603.23	Aflatoxin G1, LC-MS/MS (ppb)	2057	< 0.05					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0870	< 0.6					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0009	< 0.81					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0218	< 1					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0918	< 1					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	0964	< 1					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	2207	< 1					0			5
603.23	Aflatoxin G1, LC-MS/MS (ppb)	2033	< 5					0			5
603.24	Aflatoxin G1, Vicam Aflatest, LC-FI (ppb)	2053	< 0.1					0			5
604.20	Aflatoxin G2, LC (ppb)	2247	< 0.025					0			5
604.21	Aflatoxin G2, LC-PCD FI (ppb)	0910	< 0.01					0			5
604.21	Aflatoxin G2, LC-PCD FI (ppb)	0098	< 5					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0032	0.0000	0.0000				0			4
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0619	0.0000	0.0000				0			4
604.23	Aflatoxin G2, LC-MS/MS (ppb)	2057	< 0.05					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0009	< 0.81					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0218	< 1					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0870	< 1					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0918	< 1					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	0964	< 1					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	2207	< 1					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	2033	< 5					0			5
604.24	Aflatoxin G2, Vicam Aflatest, LC-FI (ppb)	2053	< 0.1					0			5
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0554	1,900	0.0000	2,371	707.4	196.2	12	-0.67	10%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0033	2,080	160.0	2,371	707.4	196.2	12	-0.41	6%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0003	2,150	500.0	2,371	707.4	196.2	12	-0.31	5%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	2113	2,250	300.0	2,371	707.4	196.2	12	-0.17	3%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0027	2,300	200.0	2,371	707.4	196.2	12	-0.10	2%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0511	2,300	200.0	2,371	707.4	196.2	12	-0.10	2%	0

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610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	2098	2,385	70.00	2,371	707.4	196.2	12	0.02	0%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0870	2,450	100.0	2,371	707.4	196.2	12	0.11	2%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0208	2,510	0.0000	2,371	707.4	196.2	12	0.20	3%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0047	2,539	134.0	2,371	707.4	196.2	12	0.24	4%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0297	2,750	100.0	2,371	707.4	196.2	12	0.54	8%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	2192	3,165	590.0	2,371	707.4	196.2	12	1.12	17%	0
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	0529	2,700	0.4000	2,371	707.4	196.2	12	-3.35	50%	3
610.03	Deoxynivalenol, Charm ROSA DON Quant (ppb)	0674	1,700	0.0000				0			3
610.05	Deoxynivalenol, Romer AgraQuant DON (ppb)	2022	2,840	40.00				1			0
610.06	Deoxynivalenol, r-Biopharm Ridascreen DON (ppb)	0202	2,481	0.1190				0			3
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	2129	2,363	26.00				3			0
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	0407	2,559	103.0				3			0
610.07	Deoxynivalenol, r-Biopharm Ridascreen FAST DON (ppb)	0009	2,730	220.0				3			0
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (p	0066	2,630	200.0				2			0
610.08	Deoxynivalenol, r-Biopharm Ridascreen FAST DON SC (p	0035	3,045	123.0				2			0
610.20	Deoxynivalenol, LC (ppb)	0098	2,050	100.0	2,277	679.9	67.90	5			0
610.20	Deoxynivalenol, LC (ppb)	2247	2,075	58.20	2,277	679.9	67.90	5			0
610.20	Deoxynivalenol, LC (ppb)	0051	2,149	97.00	2,277	679.9	67.90	5			0
610.20	Deoxynivalenol, LC (ppb)	0910	2,410	80.00	2,277	679.9	67.90	5			0
610.20	Deoxynivalenol, LC (ppb)	2244	2,700	4.295	2,277	679.9	67.90	5			0
610.20	Deoxynivalenol, LC (ppb)	0868	2,045	0.0210	2,277	679.9	67.90	5			3
610.20	Deoxynivalenol, LC (ppb)	0013	2,160	0.0400	2,277	679.9	67.90	5			3
610.22	Deoxynivalenol, LC-MS (ppb)	2268	2,100	400.0				1			0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0964	1,417	17.21	2,238	668.6	190.5	12	-1.23	18%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0032	1,535	30.00	2,238	668.6	190.5	12	-1.05	16%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0553	1,694	706.6	2,238	668.6	190.5	12	-0.81	12%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0218	2,030	260.0	2,238	668.6	190.5	12	-0.31	5%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	2155	2,205	230.0	2,238	668.6	190.5	12	-0.05	1%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0619	2,275	479.3	2,238	668.6	190.5	12	0.05	1%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0010	2,280	100.0	2,238	668.6	190.5	12	0.06	1%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0870	2,360	40.00	2,238	668.6	190.5	12	0.18	3%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	2033	2,490	20.00	2,238	668.6	190.5	12	0.38	6%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	0918	2,715	123.0	2,238	668.6	190.5	12	0.71	11%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	2053	2,755	50.00	2,238	668.6	190.5	12	0.77	12%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	2207	3,605	230.0	2,238	668.6	190.5	12	2.04	31%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	2169	1,800	0.0000	2,399	715.3	126.0	7	-0.84	12%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	2269	2,111	260.0	2,399	715.3	126.0	7	-0.40	6%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	0868	2,225	10.00	2,399	715.3	126.0	7	-0.24	4%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	0878	2,339	38.00	2,399	715.3	126.0	7	-0.08	1%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	2239	2,701	147.0	2,399	715.3	126.0	7	0.42	6%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	2244	2,716	27.00	2,399	715.3	126.0	7	0.44	7%	0
610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	2050	2,900	400.0	2,399	715.3	126.0	7	0.70	10%	0

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610.98	Deoxynivalenol, Other Rapid Test Kit (ppb)	0142	0.0025	0.0000	2,399	715.3	126.0	7	-3.35	50%	3
610.99	Deoxynivalenol, Miscellaneous (ppb)	0870	1,770	20.00				1			0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0297	276.9	6.000	3,077	911.5	145.1	9	-3.07	46%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0042	2,450	100.0	3,077	911.5	145.1	9	-0.69	10%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0033	2,715	230.0	3,077	911.5	145.1	9	-0.40	6%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0511	3,050	100.0	3,077	911.5	145.1	9	-0.03	0%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	2113	3,100	200.0	3,077	911.5	145.1	9	0.03	0%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	2192	3,130	20.00	3,077	911.5	145.1	9	0.06	1%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	2098	3,285	30.00	3,077	911.5	145.1	9	0.23	3%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0027	3,810	220.0	3,077	911.5	145.1	9	0.80	12%	0
620.01	Total Fumonisin, Neogen Veratox Fumonisin (ppb)	0554	5,100	400.0	3,077	911.5	145.1	9	2.22	33%	0
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	0870	3,275	150.0				2			0
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	0047	3,425	41.00				2			0
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	0529	3,400	0.6000				2			3
620.05	Total Fumonisin, Charm ROSA FUMQ MeOH (ppb)	0674	2,600	0.0000				0			3
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	0868	3,385	130.0				2			0
620.07	Total Fumonisin, Romer AgraQuant Total Fumonisin (ppb)	2022	3,415	90.00				2			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	2226	2,054	20.00	2,961	720.0	138.6	5			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	0407	2,242	136.0	2,961	720.0	138.6	5			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	0035	2,591	19.00	2,961	720.0	138.6	5			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	2129	2,773	288.0	2,961	720.0	138.6	5			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	0066	5,145	230.0	2,961	720.0	138.6	5			0
620.09	Total Fumonisin, r-Biopharm Ridascreen FAST FUM (ppb)	0202	2,709	0.1750	2,961	720.0	138.6	5			3
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	0098	4,100	200.0				2			0
620.11	Total Fumonisin, Vicam Fumonitest (ppb)	2268	6,050	500.0				2			0
620.23	Total Fumonisin, LC-MS/MS (ppb)	0619	2,392	416.7	3,186	942.9	261.3	5			0
620.23	Total Fumonisin, LC-MS/MS (ppb)	2244	2,923	44.66	3,186	942.9	261.3	5			0
620.23	Total Fumonisin, LC-MS/MS (ppb)	0010	3,050	500.0	3,186	942.9	261.3	5			0
620.23	Total Fumonisin, LC-MS/MS (ppb)	2033	3,782	235.0	3,186	942.9	261.3	5			0
620.23	Total Fumonisin, LC-MS/MS (ppb)	0032	3,785	110.0	3,186	942.9	261.3	5			0
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	2239	3,123	81.00				3			0
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	0878	3,595	50.00				3			0
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	0208	5,000	0.0000				3			0
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	2269	7,177	1,174				3			1
620.98	Total Fumonisin, Other Rapid Test Kit (ppb)	0142	0.0052	0.0001				3			3
621.20	Fumonsin B1, LC (ppb)	2244	2,407	48.05				2			0
621.20	Fumonsin B1, LC (ppb)	0098	3,450	100.0				2			0
621.21	Fumonsin B1, LC-FI OPA der. (ppb)	0910	2,227	516.0				1			0
621.22	Fumonsin B1, LC-MS (ppb)	2053	3,295	170.0				1			0
621.22	Fumonsin B1, LC-MS (ppb)	0043	1,038	0.0000				1			3
621.23	Fumonsin B1, LC-MS/MS (ppb)	2207	1,500	0.0000	2,283	681.8	88.29	10	-1.15	17%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0619	1,834	272.3	2,283	681.8	88.29	10	-0.66	10%	0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
621.23	Fumonsin B1, LC-MS/MS (ppb)	0964	1,872	13.11	2,283	681.8	88.29	10	-0.60	9%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0009	1,924	69.00	2,283	681.8	88.29	10	-0.53	8%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0870	2,060	0.0000	2,283	681.8	88.29	10	-0.33	5%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0218	2,475	70.00	2,283	681.8	88.29	10	0.28	4%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0918	2,498	125.9	2,283	681.8	88.29	10	0.31	5%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0032	2,715	110.0	2,283	681.8	88.29	10	0.63	9%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	2033	2,780	180.0	2,283	681.8	88.29	10	0.73	11%	0
621.23	Fumonsin B1, LC-MS/MS (ppb)	0553	3,602	42.60	2,283	681.8	88.29	10	1.93	29%	0
622.20	Fumonisin B2, LC (ppb)	2244	516.1	3.385				2			0
622.20	Fumonisin B2, LC (ppb)	0098	650.0	100.0				2			0
622.21	Fumonisin B2, LC-FI OPA der. (ppb)	0910	473.0	110.0				1			0
622.22	Fumonisin B2, LC-MS (ppb)	2053	520.0	20.00				1			0
622.22	Fumonisin B2, LC-MS (ppb)	0043	0.2953	0.0000				1			3
622.23	Fumonisin B2, LC-MS/MS (ppb)	2207	300.0	0.0000	607.0	187.9	57.40	10	-1.63	25%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0870	470.0	20.00	607.0	187.9	57.40	10	-0.73	11%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0218	499.0	40.00	607.0	187.9	57.40	10	-0.57	9%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0009	546.6	29.50	607.0	187.9	57.40	10	-0.32	5%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0619	557.4	144.4	607.0	187.9	57.40	10	-0.26	4%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0964	586.0	10.93	607.0	187.9	57.40	10	-0.11	2%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	2033	655.0	34.00	607.0	187.9	57.40	10	0.26	4%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0032	707.0	24.00	607.0	187.9	57.40	10	0.53	8%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0918	834.8	61.76	607.0	187.9	57.40	10	1.21	19%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	0553	1,450	209.4	607.0	187.9	57.40	10	4.49	69%	0
623.22	Fumonisin B3, LC-MS (ppb)	2053	290.0	20.00				1			0
623.23	Fumonisin B3, LC-MS/MS (ppb)	0870	240.0	0.0000	359.9	113.0	18.06	5			0
623.23	Fumonisin B3, LC-MS/MS (ppb)	0009	298.0	16.00	359.9	113.0	18.06	5			0
623.23	Fumonisin B3, LC-MS/MS (ppb)	2033	346.5	21.00	359.9	113.0	18.06	5			0
623.23	Fumonisin B3, LC-MS/MS (ppb)	0032	369.0	32.00	359.9	113.0	18.06	5			0
623.23	Fumonisin B3, LC-MS/MS (ppb)	0553	546.1	21.30	359.9	113.0	18.06	5			0
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	0529	25.20	2.400				3			0
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	2098	87.95	3.300				3			0
630.01	Ochratoxin A, Neogen Veratox Ochratoxin (ppb)	0003	300.0	160.0				3			0
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	0674	103.0	0.0000				3			0
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	2022	153.5	3.000				3			0
630.03	Ochratoxin A, Romer AgraQuant Ochratoxin (ppb)	0868	171.6	3.610				3			0
630.04	Ochratoxin A, r-Biopharm Ridascreen Ochratoxin A (ppb)	0407	249.9	7.600				1			0
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	2226	87.64	6.705				2			0
630.05	Ochratoxin A, r-Biopharm Ridascreen FAST Och A (ppb)	0066	94.19	7.630				2			0
630.20	Ochratoxin A, LC (ppb)	2192	88.83	22.73	179.4	57.39	11.58	5			0
630.20	Ochratoxin A, LC (ppb)	0674	103.8	0.0000	179.4	57.39	11.58	5			0
630.20	Ochratoxin A, LC (ppb)	0098	184.0	4.000	179.4	57.39	11.58	5			0
630.20	Ochratoxin A, LC (ppb)	2247	249.0	28.10	179.4	57.39	11.58	5			0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
630.20	Ochratoxin A, LC (ppb)	2244	271.3	3.062	179.4	57.39	11.58	5			0
630.21	Ochratoxin A, LC-PCD FI (ppb)	0910	163.8	17.10				1			0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0870	129.2	7.200	221.7	70.53	20.78	12	-1.31	21%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0918	154.3	1.700	221.7	70.53	20.78	12	-0.96	15%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	2033	180.0	0.0000	221.7	70.53	20.78	12	-0.59	9%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0619	181.7	22.20	221.7	70.53	20.78	12	-0.57	9%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0010	206.5	3.000	221.7	70.53	20.78	12	-0.22	3%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0218	208.0	0.0000	221.7	70.53	20.78	12	-0.19	3%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0009	240.7	9.400	221.7	70.53	20.78	12	0.27	4%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0032	245.0	2.000	221.7	70.53	20.78	12	0.33	5%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0964	260.0	4.716	221.7	70.53	20.78	12	0.54	9%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	2053	266.0	10.00	221.7	70.53	20.78	12	0.63	10%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	2207	275.0	12.00	221.7	70.53	20.78	12	0.76	12%	0
630.23	Ochratoxin A, LC-MS/MS (ppb)	0553	437.0	177.1	221.7	70.53	20.78	12	3.05	49%	0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	0870	127.0	8.000	189.3	60.47	11.56	5			0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	2239	144.2	3.200	189.3	60.47	11.56	5			0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	2269	165.0	18.76	189.3	60.47	11.56	5			0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	0878	245.0	20.00	189.3	60.47	11.56	5			0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	2244	265.2	7.840	189.3	60.47	11.56	5			0
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	0868	74.08	1.850				2			0
640.03	T-2 Toxin, Romer AgraQuant T-2 (ppb)	0066	110.8	5.020				2			0
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	0407	58.16	1.960				2			0
640.05	T-2 Toxin, r-Biopharm Ridascreen FAST T-2 (ppb)	2129	117.2	9.193				2			0
640.21	T-2 Toxin, LC-PCD FI (ppb)	0910	37.20	1.000				1			0
640.23	T-2 Toxin, LC-MS/MS (ppb)	2033	50.00	0.0000	62.00	20.41	4.137	9	-0.59	10%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	2244	51.70	1.200	62.00	20.41	4.137	9	-0.50	8%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0218	56.00	12.00	62.00	20.41	4.137	9	-0.29	5%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0553	57.00	16.60	62.00	20.41	4.137	9	-0.24	4%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0870	58.33	2.740	62.00	20.41	4.137	9	-0.18	3%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0918	65.58	2.750	62.00	20.41	4.137	9	0.18	3%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0964	67.07	1.240	62.00	20.41	4.137	9	0.25	4%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	2053	73.55	0.7000	62.00	20.41	4.137	9	0.57	9%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	2207	80.00	0.0000	62.00	20.41	4.137	9	0.88	15%	0
640.23	T-2 Toxin, LC-MS/MS (ppb)	0619	282.2	461.7	62.00	20.41	4.137	9	10.78	178%	1
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	0878	56.95	1.500	79.99	26.16	5.685	4			0
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	2239	67.90	2.400	79.99	26.16	5.685	4			0
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	2269	90.10	8.840	79.99	26.16	5.685	4			0
640.98	T-2 Toxin, Other Rapid Test Kit (ppb)	0297	105.0	10.00	79.99	26.16	5.685	4			0
641.21	HT-2 Toxin, LC post-col photochem der. FI (ppb)	0910	24.50	1.000				1			0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	2033	31.10	1.800	39.33	13.11	3.468	6	-0.63	10%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	0964	33.16	6.985	39.33	13.11	3.468	6	-0.47	8%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	0619	35.50	3.600	39.33	13.11	3.468	6	-0.29	5%	0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Labs			
641.23	HT-2 Toxin, LC-MS/MS (ppb)	0870	41.10	0.3200	39.33	13.11	3.468	6	0.13	2%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	2053	45.65	5.100	39.33	13.11	3.468	6	0.48	8%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	0218	49.50	3.000	39.33	13.11	3.468	6	0.78	13%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	2207	< 60		39.33	13.11	3.468	6			5
642.03	T-2 Toxin + HT-2 Toxin, LC post-col photochem der. FI (ppb)	0964	100.4	7.890				1			0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	2098	101.2	7.300	153.0	49.15	5.358	5			0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	2022	127.6	2.780	153.0	49.15	5.358	5			0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	0870	128.1	6.900	153.0	49.15	5.358	5			0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	0529	198.8	9.000	153.0	49.15	5.358	5			0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	2192	209.2	0.8100	153.0	49.15	5.358	5			0
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	2269	124.3	12.20				2			0
642.98	T-2 Toxin + HT-2 Toxin, Other Rapid Test Kit (ppb)	2244	125.9	6.140				2			0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	0003	285.5	56.50	361.3	113.4	71.91	7	-0.67	11%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	0529	287.4	7.500	361.3	113.4	71.91	7	-0.65	10%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	0870	311.2	19.10	361.3	113.4	71.91	7	-0.44	7%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	2113	319.6	20.20	361.3	113.4	71.91	7	-0.37	6%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	2098	399.1	1.500	361.3	113.4	71.91	7	0.33	5%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	0027	425.5	198.6	361.3	113.4	71.91	7	0.57	9%	0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	0297	3,500	200.0	361.3	113.4	71.91	7	27.67	434%	0
650.02	Zearalenone, Charm ROSA Zearalenone Quant - MeOH (ppb)	0674	0.2200	0.0000				1			0
650.04	Zearalenone, Romer AgraQuant ZON (ppb)	2022	394.7	5.670				1			0
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	2226	244.1	24.34				3			0
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	0202	258.9	28.32				3			0
650.06	Zearalenone, r-Biopharm Ridascreen FAST ZON (ppb)	2129	328.1	14.60				3			0
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	0407	233.6	6.260				3			0
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	0066	251.4	17.47				3			0
650.07	Zearalenone, r-Biopharm Ridascreen FAST ZON SC (ppb)	0035	361.4	24.16				3			0
650.20	Zearalenone, LC (ppb)	2192	250.4	131.3	376.5	118.1	51.09	6	-1.07	17%	0
650.20	Zearalenone, LC (ppb)	0868	361.0	16.00	376.5	118.1	51.09	6	-0.13	2%	0
650.20	Zearalenone, LC (ppb)	0098	365.0	30.00	376.5	118.1	51.09	6	-0.10	2%	0
650.20	Zearalenone, LC (ppb)	2244	373.5	34.02	376.5	118.1	51.09	6	-0.03	0%	0
650.20	Zearalenone, LC (ppb)	2247	426.9	62.20	376.5	118.1	51.09	6	0.43	7%	0
650.20	Zearalenone, LC (ppb)	0910	482.5	33.00	376.5	118.1	51.09	6	0.90	14%	0
650.21	Zearalenone, LC-FI, ISO (ppb)	0051	415.5	13.00				1			0
650.23	Zearalenone, LC-MS (ppb)	0043	294.2	0.0000				1			0
650.24	Zearalenone, LC-MS/MS (ppb)	0918	344.2	15.50	437.1	136.5	24.96	13	-0.68	11%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0619	345.1	30.70	437.1	136.5	24.96	13	-0.67	11%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0964	357.7	4.340	437.1	136.5	24.96	13	-0.58	9%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0870	357.8	1.400	437.1	136.5	24.96	13	-0.58	9%	0
650.24	Zearalenone, LC-MS/MS (ppb)	2155	377.0	20.00	437.1	136.5	24.96	13	-0.44	7%	0
650.24	Zearalenone, LC-MS/MS (ppb)	2033	390.0	20.00	437.1	136.5	24.96	13	-0.35	5%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0218	414.5	21.00	437.1	136.5	24.96	13	-0.17	3%	0

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650.24	Zearalenone, LC-MS/MS (ppb)	0010	445.0	70.00	437.1	136.5	24.96	13	0.06	1%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0009	489.0	8.900	437.1	136.5	24.96	13	0.38	6%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0032	501.5	37.00	437.1	136.5	24.96	13	0.47	7%	0
650.24	Zearalenone, LC-MS/MS (ppb)	2053	509.0	20.00	437.1	136.5	24.96	13	0.53	8%	0
650.24	Zearalenone, LC-MS/MS (ppb)	2207	570.0	40.00	437.1	136.5	24.96	13	0.97	15%	0
650.24	Zearalenone, LC-MS/MS (ppb)	0553	612.0	35.60	437.1	136.5	24.96	13	1.28	20%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	0142	310.9	22.60	384.8	120.6	15.93	7	-0.61	10%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2244	367.4	12.08	384.8	120.6	15.93	7	-0.14	2%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	0868	377.5	3.000	384.8	120.6	15.93	7	-0.06	1%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2239	388.3	1.600	384.8	120.6	15.93	7	0.03	0%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2269	396.7	18.25	384.8	120.6	15.93	7	0.10	2%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	2050	401.5	33.00	384.8	120.6	15.93	7	0.14	2%	0
650.98	Zearalenone, Other Rapid Test Kit (ppb)	0878	422.5	21.00	384.8	120.6	15.93	7	0.31	5%	0
650.99	Zearalenone, Miscellaneous (ppb)	2268	350.0	40.00				1			0

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%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.

Compare Report Cards



Mycotoxin Contaminants Scheme

Test Material Code # 201964

Report Card for Lab Code ????

Issue Date : 11/30/2019

Fish Food

Proficiency For 19 Individual Methods

Method Code	Analyte Name and Method (Units)	Lab 0870 Data		Method Values				AAFCO PT	Threshold	Flag
		Value	range	Rob Mean	Rev.Horwitz	R-bar	# Labs	Z Score	%RSD	
600.98	Total Aflatoxin, Other Rapid Test Kit (ppb)	56.35	1.300	48.58	16.10	2.404	7	0.48	8%	0
601.23	Aflatoxin B1, LC-MS/MS (ppb)	43.84	1.920	59.90	19.74	9.788	11	-0.81	13%	0
602.23	Aflatoxin B2, LC-MS/MS (ppb)	3.000	0.1200	3.699	1.315	0.7873	10	-0.53	9%	0
603.23	Aflatoxin G1, LC-MS/MS (ppb)	< 0.6					0			5
604.23	Aflatoxin G2, LC-MS/MS (ppb)	< 1					0			5
610.01	Deoxynivalenol, Neogen Veratox for DON (ppb)	2,450	100.0	2,371	707.4	196.2	12	0.11	2%	0
610.23	Deoxynivalenol, LC-MS/MS (ppb)	2,360	40.00	2,238	668.6	190.5	12	0.18	3%	0
610.99	Deoxynivalenol, Miscellaneous (ppb)	1,770	20.00				1			0
620.02	Total Fumonisin, Neogen Veratox Fumonisin 5/10 (ppb)	3,275	150.0				2			0
621.23	Fumonsin B1, LC-MS/MS (ppb)	2,060	0.0000	2,283	681.8	88.29	10	-0.33	5%	0
622.23	Fumonisin B2, LC-MS/MS (ppb)	470.0	20.00	607.0	187.9	57.40	10	-0.73	11%	0
623.23	Fumonisin B3, LC-MS/MS (ppb)	240.0	0.0000	359.9	113.0	18.06	5			0
630.23	Ochratoxin A, LC-MS/MS (ppb)	129.2	7.200	221.7	70.53	20.78	12	-1.31	21%	0
630.98	Ochratoxin A, Other Rapid Test Kit (ppb)	127.0	8.000	189.3	60.47	11.56	5			0
640.23	T-2 Toxin, LC-MS/MS (ppb)	58.33	2.740	62.00	20.41	4.137	9	-0.18	3%	0
641.23	HT-2 Toxin, LC-MS/MS (ppb)	41.10	0.3200	39.33	13.11	3.468	6	0.13	2%	0
642.21	T-2 Toxin + HT-2 Toxin, Neogen Veratox T-2 + HT-2 (ppb)	128.1	6.900	153.0	49.15	5.358	5			0
650.01	Zearalenone, Neogen Veratox Zearalenone (ppb)	311.2	19.10	361.3	113.4	71.91	7	-0.44	7%	0
650.24	Zearalenone, LC-MS/MS (ppb)	357.8	1.400	437.1	136.5	24.96	13	-0.58	9%	0

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%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as extreme outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.



Mycotoxin Contaminants Scheme

Test Material Code # 201964

Report Card for Lab Code ?????

Issue Date : 11/30/2019

Fish Food

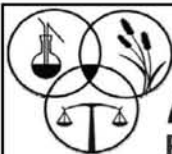
Proficiency Testing For 19 Analytes

Method Group	Analyte Group (Units)	Lab 0870 Data		Method Values				AAFCO PT	Lab 0870	Flag
		Value	range	Rob Mean	Rev.Horwitz	R-bar	# Labs	Z Score	Method	
600	Total Aflatoxin (ppb)	56.35	1.300	47.90	15.88	3.638	40	0.53	600.98	0
601	Aflatoxin B1 (ppb)	43.84	1.920	53.73	17.76	5.597	25	-0.56	601.23	0
602	Aflatoxin B2 (ppb)	3.000	0.1200	3.540	1.259	0.5871	17	-0.43	602.23	0
603	Aflatoxin G1 (ppb)	< 0.6					2		603.23	5
604	Aflatoxin G2 (ppb)	< 1					0		604.23	5
610	Deoxynivalenol (ppb)	1,770	20.00	2,366	705.7	158.9	44	-0.84	610.99	0
610	Deoxynivalenol (ppb)	2,360	40.00	2,366	705.7	158.9	44	-0.01	610.23	0
610	Deoxynivalenol (ppb)	2,450	100.0	2,366	705.7	158.9	44	0.12	610.01	0
620	Total Fumonisin (ppb)	3,275	150.0	3,360	992.9	197.3	29	-0.09	620.02	0
621	Fumonisin B1 (ppb)	2,060	0.0000	2,470	736.0	122.6	14	-0.56	621.23	0
622	Fumonisin B2 (ppb)	470.0	20.00	581.0	180.1	57.67	14	-0.62	622.23	0
623	Fumonisin B3 (ppb)	240.0	0.0000	336.6	105.9	18.38	6	-0.91	623.23	0
630	Ochratoxin A (ppb)	127.0	8.000	186.7	59.67	18.01	32	-1.00	630.98	0
630	Ochratoxin A (ppb)	129.2	7.200	186.7	59.67	18.01	32	-0.96	630.23	0
640	T-2 Toxin (ppb)	58.33	2.740	69.45	22.80	4.389	18	-0.49	640.23	0
641	HT-2 Toxin (ppb)	41.10	0.3200	37.22	12.42	3.115	7	0.31	641.23	0
642	T-2 Toxin + HT-2 Toxin (ppb)	128.1	6.900	139.4	44.91	6.628	8	-0.25	642.21	0
650	Zearalenone (ppb)	311.2	19.10	368.3	115.5	28.37	43	-0.49	650.01	0
650	Zearalenone (ppb)	357.8	1.400	368.3	115.5	28.37	43	-0.09	650.24	0

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%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as extreme outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.

Analyte Reports

New Reports - Old Math



Mycotoxin Contaminants Scheme

Fish Food

Test Material Code # 201964

Analyte Summary Report

Labs Reporting: 53

Analytes Reported: 15

Issue Date : 11/30/2019

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	Revised Horwitz SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
600	Total Aflatoxin (ppb)	40	40	48.74	14.89	47.90	15.88	3.139	33.16%	3.638	22.00%
601	Aflatoxin B1 (ppb)	25	25	54.47	15.78	53.73	17.76	4.440	33.05%	5.597	22.00%
602	Aflatoxin B2 (ppb)	18	17	3.544	1.249	3.540	1.259	0.3818	35.58%	0.5871	22.00%
603	Aflatoxin G1 (ppb)	14	2	0.4408	0.1849	0.4408	0.1659	0.1467	37.65%	0.0605	22.00%
604	Aflatoxin G2 (ppb)	14									
610	Deoxynivalenol (ppb)	50	44	2,372	427.3	2,366	705.7	133.0	29.83%	158.9	14.05%
620	Total Fumonisin (ppb)	34	29	3,455	1,306	3,360	992.9	230.5	29.55%	197.3	13.33%
621	Fumonisin B1 (ppb)	15	14	2,474	639.2	2,470	736.0	245.9	29.80%	122.6	13.96%
622	Fumonisin B2 (ppb)	15	14	626.1	268.4	581.0	180.1	60.15	30.99%	57.67	17.36%
623	Fumonisin B3 (ppb)	6	6	348.3	107.0	336.6	105.9	54.02	31.45%	18.38	18.85%
630	Ochratoxin A (ppb)	32	32	189.5	83.52	186.7	59.67	13.18	31.96%	18.01	20.59%
640	T-2 Toxin (ppb)	19	18	70.93	22.09	69.45	22.80	6.717	32.83%	4.389	22.00%
641	HT-2 Toxin (ppb)	8	7	37.22	8.714	37.22	12.42	5.870	33.39%	3.115	22.00%
642	T-2 Toxin + HT-2 Toxin (ppb)	8	8	139.4	41.51	139.4	44.91	19.85	32.21%	6.628	21.52%
650	Zearalenone (ppb)	44	43	367.4	101.1	368.3	115.5	22.02	31.37%	28.37	18.59%

Notes: Robust statistics not used if < 6 labs reporting in this case Means and SD's may be reported based on Raw Data with obvious blunders removed. Horwitz and Revised Horwitz SD's assigned regardless of participant number.

15 Analytes

AG1 & AG2 Mostly limit reporting.

Method blending – Raw SD now much closer to revised Horwitz SD.

Revised Horwitz %RSD

Thompson Horwitz = 22% RSD < 120 ppb



Mycotoxin Contaminants Scheme
Analytes for Sample # 201964
Fish Feed

Old Style Report

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					
2050	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	22.8	22.2	Y	Y			-1.60	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
2057	600.24	Total Aflatoxin (ppb)	LC-MS/MS	23.95	26.656	Y	Y			-1.42	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
0202	600.12	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl	38.23	36.658	Y	Y			-0.66	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
0511	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	38.7	37.1	Y	Y			-0.63	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
2096	600.01	Total Aflatoxin (ppb)	Neogen Veratox Aflatoxin	40	42.1	Y	Y			-0.43	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
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
2268	600.14	Total Aflatoxin (ppb)	Vicam Aflatest	49	37	Y	Y			-0.31	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
2169	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	42.7	43.7	Y	Y			-0.30	47.9	15.88
2192	600.20	Total Aflatoxin (ppb)	LC	44.89	42.93	Y	Y			-0.25	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
0010	600.20	Total Aflatoxin (ppb)	LC	44	48	Y	Y			-0.12	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
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
0066	600.13	Total Aflatoxin (ppb)	r-Biopharm Ridascreen FAST Afl SC	47.73	54.95	Y	Y			0.22	47.9	15.88
0674	600.10	Total Aflatoxin (ppb)	TLC	54.17	54.17	Y	Y			0.40	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
0142	600.98	Total Aflatoxin (ppb)	Other Rapid Test Kit	53.3	58.2	Y	Y			0.49	47.9	15.88
2247	600.20	Total Aflatoxin (ppb)	LC	55.05	56.46	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



Mycotoxin Contaminants Scheme
Fish Food
Test Material Code # 201964

New Report

Labs Reporting: 53
Analytes Reported 15
Issue Date : 11/30/2019

Analyte Proficiency Testing Report

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
600	Total Aflatoxin (ppb)	2050	22.50	0.6000	47.90	15.88	3.638	40	-1.60	600.98	0
600	Total Aflatoxin (ppb)	2129	22.84	1.600	47.90	15.88	3.638	40	-1.58	600.12	0
600	Total Aflatoxin (ppb)	2057	25.30	2.706	47.90	15.88	3.638	40	-1.42	600.24	0
600	Total Aflatoxin (ppb)	0407	26.99	0.3000	47.90	15.88	3.638	40	-1.32	600.13	0
600	Total Aflatoxin (ppb)	0202	37.44	1.572	47.90	15.88	3.638	40	-0.66	600.12	0
600	Total Aflatoxin (ppb)	0047	37.85	5.500	47.90	15.88	3.638	40	-0.63	600.98	0
600	Total Aflatoxin (ppb)	0511	37.90	1.600	47.90	15.88	3.638	40	-0.63	600.01	0
600	Total Aflatoxin (ppb)	0035	38.27	3.270	47.90	15.88	3.638	40	-0.61	600.13	0
600	Total Aflatoxin (ppb)	2096	41.05	2.100	47.90	15.88	3.638	40	-0.43	600.01	0
600	Total Aflatoxin (ppb)	2226	41.41	1.883	47.90	15.88	3.638	40	-0.41	600.12	0
600	Total Aflatoxin (ppb)	2098	41.80	0.4000	47.90	15.88	3.638	40	-0.38	600.01	0
600	Total Aflatoxin (ppb)	0208	41.95	8.300	47.90	15.88	3.638	40	-0.37	600.01	0
600	Total Aflatoxin (ppb)	2119	42.51	4.500	47.90	15.88	3.638	40	-0.36	600.01	0
600	Total Aflatoxin (ppb)	2268	43.00	12.00	47.90	15.88	3.638	40	-0.31	600.14	0
600	Total Aflatoxin (ppb)	0027	43.10	8.000	47.90	15.88	3.638	40	-0.30	600.01	0
600	Total Aflatoxin (ppb)	2169	43.20	1.000	47.90	15.88	3.638	40	-0.30	600.98	0
600	Total Aflatoxin (ppb)	2192	43.91	1.960	47.90	15.88	3.638	40	-0.25	600.20	0
600	Total Aflatoxin (ppb)	0554	44.10	0.2000	47.90	15.88	3.638	40	-0.24	600.01	0
600	Total Aflatoxin (ppb)	0034	44.75	0.4000	47.90	15.88	3.638	40	-0.20	600.01	0
600	Total Aflatoxin (ppb)	0529	44.85	0.1000	47.90	15.88	3.638	40	-0.19	600.01	0
600	Total Aflatoxin (ppb)	0010	46.00	4.000	47.90	15.88	3.638	40	-0.12	600.20	0
600	Total Aflatoxin (ppb)	0032	46.70	8.400	47.90	15.88	3.638	40	-0.08	600.24	0
600	Total Aflatoxin (ppb)	0876	47.55	3.100	47.90	15.88	3.638	40	-0.02	600.01	0
600	Total Aflatoxin (ppb)	0003	48.85	0.7000	47.90	15.88	3.638	40	0.06	600.01	0
600	Total Aflatoxin (ppb)	0297	50.35	7.100	47.90	15.88	3.638	40	0.15	600.01	0
600	Total Aflatoxin (ppb)	0066	51.34	7.220	47.90	15.88	3.638	40	0.22	600.13	0
600	Total Aflatoxin (ppb)	0674	54.17	0.0000	47.90	15.88	3.638	40	0.40	600.10	0
600	Total Aflatoxin (ppb)	0674	55.00	0.0000	47.90	15.88	3.638	40	0.45	600.08	0
600	Total Aflatoxin (ppb)	0142	55.75	4.900	47.90	15.88	3.638	40	0.49	600.98	0
600	Total Aflatoxin (ppb)	2247	55.76	1.410	47.90	15.88	3.638	40	0.49	600.20	0
600	Total Aflatoxin (ppb)	0870	56.35	1.300	47.90	15.88	3.638	40	0.53	600.98	0
600	Total Aflatoxin (ppb)	2269	57.85	3.400	47.90	15.88	3.638	40	0.63	600.98	0
600	Total Aflatoxin (ppb)	2022	59.07	0.4400	47.90	15.88	3.638	40	0.70	600.08	0

Z-Scores remain the same as before.

Test Material Code # 201964

Analyte Proficiency Testing Report

Issue Date : 11/30/2019

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
600	Total Aflatoxin (ppb)	2033	59.50	8.400	47.90	15.88	3.638	40	0.73	600.24	0
600	Total Aflatoxin (ppb)	0619	60.65	13.98	47.90	15.88	3.638	40	0.80	600.24	0
600	Total Aflatoxin (ppb)	2244	63.26	0.2690	47.90	15.88	3.638	40	0.97	600.20	0
600	Total Aflatoxin (ppb)	2244	63.33	0.1300	47.90	15.88	3.638	40	0.97	600.98	0
600	Total Aflatoxin (ppb)	0042	70.65	1.500	47.90	15.88	3.638	40	1.43	600.20	0
600	Total Aflatoxin (ppb)	0098	84.46	8.590	47.90	15.88	3.638	40	2.30	600.21	0
600	Total Aflatoxin (ppb)	0218	98.65	12.70	47.90	15.88	3.638	40	3.20	600.24	0
601	Aflatoxin B1 (ppb)	2057	23.34	2.156	53.73	17.76	5.597	25	-1.71	601.23	0
601	Aflatoxin B1 (ppb)	2022	37.60	1.340	53.73	17.76	5.597	25	-0.91	601.92	0
601	Aflatoxin B1 (ppb)	2192	41.40	1.760	53.73	17.76	5.597	25	-0.69	601.20	0
601	Aflatoxin B1 (ppb)	0918	42.45	5.100	53.73	17.76	5.597	25	-0.64	601.23	0
601	Aflatoxin B1 (ppb)	2053	43.80	3.600	53.73	17.76	5.597	25	-0.56	601.24	0
601	Aflatoxin B1 (ppb)	0870	43.84	1.920	53.73	17.76	5.597	25	-0.56	601.23	0
601	Aflatoxin B1 (ppb)	2239	43.85	0.6300	53.73	17.76	5.597	25	-0.56	601.98	0
601	Aflatoxin B1 (ppb)	0910	44.40	4.810	53.73	17.76	5.597	25	-0.53	601.21	0
601	Aflatoxin B1 (ppb)	0868	44.50	1.000	53.73	17.76	5.597	25	-0.52	601.98	0
601	Aflatoxin B1 (ppb)	0032	46.70	8.400	53.73	17.76	5.597	25	-0.40	601.23	0
601	Aflatoxin B1 (ppb)	0878	48.20	2.000	53.73	17.76	5.597	25	-0.31	601.98	0
601	Aflatoxin B1 (ppb)	0043	50.00	0.0000	53.73	17.76	5.597	25	-0.17	601.98	0
601	Aflatoxin B1 (ppb)	0043	52.42	0.0000	53.73	17.76	5.597	25	-0.07	601.22	0
601	Aflatoxin B1 (ppb)	2247	52.62	1.850	53.73	17.76	5.597	25	-0.06	601.20	0
601	Aflatoxin B1 (ppb)	0878	55.00	0.0000	53.73	17.76	5.597	25	-0.05	601.21	0
601	Aflatoxin B1 (ppb)	2033	54.40	6.200	53.73	17.76	5.597	25	0.04	601.23	0
601	Aflatoxin B1 (ppb)	2244	56.76	0.3100	53.73	17.76	5.597	25	0.17	601.98	0
601	Aflatoxin B1 (ppb)	2244	57.62	0.2460	53.73	17.76	5.597	25	0.22	601.20	0
601	Aflatoxin B1 (ppb)	0619	58.36	13.05	53.73	17.76	5.597	25	0.26	601.23	0
601	Aflatoxin B1 (ppb)	0553	63.77	42.87	53.73	17.76	5.597	25	0.56	601.23	0
601	Aflatoxin B1 (ppb)	0009	72.37	5.940	53.73	17.76	5.597	25	1.05	601.23	0
601	Aflatoxin B1 (ppb)	0964	77.76	0.7300	53.73	17.76	5.597	25	1.35	601.23	0
601	Aflatoxin B1 (ppb)	0098	78.73	7.900	53.73	17.76	5.597	25	1.41	601.21	0
601	Aflatoxin B1 (ppb)	2207	79.50	9.000	53.73	17.76	5.597	25	1.45	601.23	0
601	Aflatoxin B1 (ppb)	0218	93.85	12.30	53.73	17.76	5.597	25	2.26	601.23	0
602	Aflatoxin B2 (ppb)	0553	1.780	0.0600	3.540	1.259	0.5871	17	-1.40	602.23	0
602	Aflatoxin B2 (ppb)	2057	1.965	0.5500	3.540	1.259	0.5871	17	-1.25	602.23	0
602	Aflatoxin B2 (ppb)	0619	2.295	0.9300	3.540	1.259	0.5871	17	-0.99	602.23	0
602	Aflatoxin B2 (ppb)	2192	2.510	0.2000	3.540	1.259	0.5871	17	-0.82	602.20	0
602	Aflatoxin B2 (ppb)	2247	2.570	0.5000	3.540	1.259	0.5871	17	-0.77	602.20	0
602	Aflatoxin B2 (ppb)	2053	2.600	0.2000	3.540	1.259	0.5871	17	-0.75	602.24	0
602	Aflatoxin B2 (ppb)	0868	2.630	0.0800	3.540	1.259	0.5871	17	-0.72	602.21	0
602	Aflatoxin B2 (ppb)	0910	2.955	0.3900	3.540	1.259	0.5871	17	-0.46	602.21	0
602	Aflatoxin B2 (ppb)	0870	3.000	0.1200	3.540	1.259	0.5871	17	-0.43	602.23	0
602	Aflatoxin B2 (ppb)	0918	4.100	1.380	3.540	1.259	0.5871	17	0.44	602.23	0

Robust Mean & Rev. Horwitz SD remain the same as before.

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag											
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests														
602	Aflatoxin B2 (ppb)	2244	4.269	0.0480	3.540	1.259	0.5871	17	0.58	602.20	0											
602	Aflatoxin B2 (ppb)	0964	4.493	0.3000	3.540	1.259	0.5871	17	0.76	602.23	0											
602	Aflatoxin B2 (ppb)	0000	4.567	0.1330	3.540	1.259	0.5871	17	0.81	602.23	0											
602	Limits handled as in other AAFCO PT Schemes.																					
602												Aflatoxin B2 (ppb)	0098	5.725	0.6900	3.540	1.259	0.5871	17	1.74	602.21	0
602												Aflatoxin B2 (ppb)	0032	0.0000	0.0000	3.540	1.259	0.5871	17		602.23	4
603												Aflatoxin G1 (ppb)	0910	0.3100	0.0600				2		603.21	0
603	Aflatoxin G1 (ppb)	2247	0.5715	0.0610				2		603.20	0											
603	Aflatoxin G1 (ppb)	0032	0.0000	0.0000				2		603.23	4											
603	Aflatoxin G1 (ppb)	0619	0.0000	0.0000				2		603.23	4											
603	Aflatoxin G1 (ppb)	2057	< 0.05					2		603.23	5											
603	Aflatoxin G1 (ppb)	2053	< 0.1					2		603.24	5											
603	Aflatoxin G1 (ppb)	0870	< 0.6					2		603.23	5											
603	Aflatoxin G1 (ppb)	0009	< 0.81					2		603.23	5											
603	Aflatoxin G1 (ppb)	0218	< 1					2		603.23	5											
603	Aflatoxin G1 (ppb)	0918	< 1					2		603.23	5											
603	Aflatoxin G1 (ppb)	0964	< 1					2		603.23	5											
603	Aflatoxin G1 (ppb)	2207	< 1					2		603.23	5											
603	Aflatoxin G1 (ppb)	2033	< 5					2		603.23	5											
603	Aflatoxin G1 (ppb)	0098	< 15					2		603.21	5											
604	Aflatoxin G2 (ppb)	0032	0.0000	0.0000				0		604.23	4											
604	Aflatoxin G2 (ppb)	0619	0.0000	0.0000				0		604.23	4											
604	Aflatoxin G2 (ppb)	0910	< 0.01					0		604.21	5											
604	Aflatoxin G2 (ppb)	2247	< 0.025					0		604.20	5											
604	Aflatoxin G2 (ppb)	2057	< 0.05					0		604.23	5											
604	Aflatoxin G2 (ppb)	2053	< 0.1					0		604.24	5											
604	Aflatoxin G2 (ppb)	0009	< 0.81					0		604.23	5											
604	Aflatoxin G2 (ppb)	0218	< 1					0		604.23	5											
604	Aflatoxin G2 (ppb)	0870	< 1					0		604.23	5											
604	Aflatoxin G2 (ppb)	0918	< 1					0		604.23	5											
604	Aflatoxin G2 (ppb)	0964	< 1					0		604.23	5											
604	Aflatoxin G2 (ppb)	2207	< 1					0		604.23	5											
604	Aflatoxin G2 (ppb)	0098	< 5					0		604.21	5											
604	Aflatoxin G2 (ppb)	2033	< 5					0		604.23	5											
610	Deoxynivalenol (ppb)	0964	1,417	17.21	2,366	705.7	158.9	44	-1.34	610.23	0											
610	Deoxynivalenol (ppb)	0032	1,535	30.00	2,366	705.7	158.9	44	-1.18	610.23	0											
610	Deoxynivalenol (ppb)	0553	1,694	706.6	2,366	705.7	158.9	44	-0.95	610.23	0											
610	Deoxynivalenol (ppb)	0870	1,770	20.00	2,366	705.7	158.9	44	-0.84	610.99	0											
610	Deoxynivalenol (ppb)	2169	1,800	0.0000	2,366	705.7	158.9	44	-0.80	610.98	0											
610	Deoxynivalenol (ppb)	0554	1,900	0.0000	2,366	705.7	158.9	44	-0.66	610.01	0											

Test Material Code # 201964

Analyte Proficiency Testing Report

Issue Date : 11/30/2019

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
610	Deoxynivalenol (ppb)	0218	2,030	260.0	2,366	705.7	158.9	44	-0.48	610.23	0
610	Deoxynivalenol (ppb)	0098	2,050	100.0	2,366	705.7	158.9	44	-0.45	610.20	0
610	Deoxynivalenol (ppb)	2247	2,075	58.20	2,366	705.7	158.9	44	-0.41	610.20	0
610	Deoxynivalenol (ppb)	0033	2,080	160.0	2,366	705.7	158.9	44	-0.40	610.01	0
610	Deoxynivalenol (ppb)	2268	2,100	400.0	2,366	705.7	158.9	44	-0.38	610.22	0
610	Deoxynivalenol (ppb)	2269	2,111	260.0	2,366	705.7	158.9	44	-0.36	610.98	0
610	Deoxynivalenol (ppb)	0051	2,149	97.00	2,366	705.7	158.9	44	-0.31	610.20	0
610	Deoxynivalenol (ppb)	0003	2,150	500.0	2,366	705.7	158.9	44	-0.31	610.01	0
610	Deoxynivalenol (ppb)	2155	2,205	230.0	2,366	705.7	158.9	44	-0.23	610.23	0
610	Deoxynivalenol (ppb)	0868	2,225	10.00	2,366	705.7	158.9	44	-0.20	610.98	0
610	Deoxynivalenol (ppb)	2113	2,250	300.0	2,366	705.7	158.9	44	-0.16	610.01	0
610	Deoxynivalenol (ppb)	0619	2,275	479.3	2,366	705.7	158.9	44	-0.13	610.23	0
610	Deoxynivalenol (ppb)	0010	2,280	100.0	2,366	705.7	158.9	44	-0.12	610.23	0
610	Deoxynivalenol (ppb)	0027	2,300	200.0	2,366	705.7	158.9	44	-0.09	610.01	0
610	Deoxynivalenol (ppb)	0511	2,300	200.0	2,366	705.7	158.9	44	-0.09	610.01	0
610	Deoxynivalenol (ppb)	0878	2,339	38.00	2,366	705.7	158.9	44	-0.04	610.98	0
610	Deoxynivalenol (ppb)	0870	2,360	40.00	2,366	705.7	158.9	44	-0.01	610.23	0
610	Deoxynivalenol (ppb)	2129	2,363	26.00	2,366	705.7	158.9	44	0.00	610.07	0
610	Deoxynivalenol (ppb)	2098	2,385	70.00	2,366	705.7	158.9	44	0.03	610.01	0
610	Deoxynivalenol (ppb)	0910	2,410	80.00	2,366	705.7	158.9	44	0.06	610.20	0
610	Deoxynivalenol (ppb)	0870	2,450	100.0	2,366	705.7	158.9	44	0.12	610.01	0
610	Deoxynivalenol (ppb)	2033	2,490	20.00	2,366	705.7	158.9	44	0.18	610.23	0
610	Deoxynivalenol (ppb)	0208	2,510	0.0000	2,366	705.7	158.9	44	0.20	610.01	0
610	Deoxynivalenol (ppb)	0047	2,539	134.0	2,366	705.7	158.9	44	0.25	610.01	0
610	Deoxynivalenol (ppb)	0407	2,559	103.0	2,366	705.7	158.9	44	0.27	610.07	0
610	Deoxynivalenol (ppb)	0066	2,630	200.0	2,366	705.7	158.9	44	0.37	610.08	0
610	Deoxynivalenol (ppb)	2244	2,700	4.295	2,366	705.7	158.9	44	0.47	610.20	0
610	Deoxynivalenol (ppb)	2239	2,701	147.0	2,366	705.7	158.9	44	0.47	610.98	0
610	Deoxynivalenol (ppb)	0918	2,715	123.0	2,366	705.7	158.9	44	0.50	610.23	0
610	Deoxynivalenol (ppb)	2244	2,716	27.00	2,366	705.7	158.9	44	0.50	610.98	0
610	Deoxynivalenol (ppb)	0009	2,730	220.0	2,366	705.7	158.9	44	0.52	610.07	0
610	Deoxynivalenol (ppb)	0297	2,750	100.0	2,366	705.7	158.9	44	0.54	610.01	0
610	Deoxynivalenol (ppb)	2053	2,755	50.00	2,366	705.7	158.9	44	0.55	610.23	0
610	Deoxynivalenol (ppb)	2022	2,840	40.00	2,366	705.7	158.9	44	0.57	610.07	0
610	Deoxynivalenol (ppb)	2050	2,900	400.0	2,366	705.7	158.9	44	0.57	610.07	0
610	Deoxynivalenol (ppb)	0035	3,045	123.0	2,366	705.7	158.9	44	0.57	610.07	0
610	Deoxynivalenol (ppb)	2192	3,165	590.0	2,366	705.7	158.9	44	0.57	610.07	0
610	Deoxynivalenol (ppb)	2207	3,605	230.0	2,366	705.7	158.9	44	0.57	610.07	0
610	Deoxynivalenol (ppb)	0142	0.0025	0.0000	2,366	705.7	158.9	44	-3.35	610.98	3
610	Deoxynivalenol (ppb)	0674	1.700	0.0000	2,366	705.7	158.9	44	-3.35	610.03	3
610	Deoxynivalenol (ppb)	0868	2.045	0.0210	2,366	705.7	158.9	44	-3.35	610.20	3
610	Deoxynivalenol (ppb)	0013	2.160	0.0400	2,366	705.7	158.9	44	-3.35	610.20	3

**Flag 3 – Data removed by me.
Not reporting ppb!**

Test Material Code # 201964

Analyte Proficiency Testing Report

Issue Date : 11/30/2019

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
610	Deoxynivalenol (ppb)	0202	2.481	0.1190	2,366	705.7	158.9	44	-3.35	610.06	3
610	Deoxynivalenol (ppb)	0529	2.700	0.4000	2,366	705.7	158.9	44	-3.35	610.01	3
620	Total Fumonisin (ppb)	0297	276.9	6.000	3,360	992.9	197.3	29	-3.11	620.01	0
620	Total Fumonisin (ppb)	2226	2,054	20.00	3,360	992.9	197.3	29	-1.32	620.09	0
620	Total Fumonisin (ppb)	0407	2,242	136.0	3,360	992.9	197.3	29	-1.13	620.09	0
620	Total Fumonisin (ppb)	0619	2,392	416.7	3,360	992.9	197.3	29	-0.98	620.23	0
620	Total Fumonisin (ppb)	0042	2,450	100.0	3,360	992.9	197.3	29	-0.92	620.01	0
620	Total Fumonisin (ppb)	0035	2,591	19.00	3,360	992.9	197.3	29	-0.78	620.09	0
620	Total Fumonisin (ppb)	0033	2,715	230.0	3,360	992.9	197.3	29	-0.65	620.01	0
620	Total Fumonisin (ppb)	2129	2,773	288.0	3,360	992.9	197.3	29	-0.59	620.09	0
620	Total Fumonisin (ppb)	2244	2,923	44.66	3,360	992.9	197.3	29	-0.44	620.23	0
620	Total Fumonisin (ppb)	0511	3,050	100.0	3,360	992.9	197.3	29	-0.31	620.01	0
620	Total Fumonisin (ppb)	0010	3,050	500.0	3,360	992.9	197.3	29	-0.31	620.23	0
620	Total Fumonisin (ppb)	2113	3,100	200.0	3,360	992.9	197.3	29	-0.26	620.01	0
620	Total Fumonisin (ppb)	2239	3,123	81.00	3,360	992.9	197.3	29	-0.24	620.98	0
620	Total Fumonisin (ppb)	2192	3,130	20.00	3,360	992.9	197.3	29	-0.23	620.01	0
620	Total Fumonisin (ppb)	0870	3,275	150.0	3,360	992.9	197.3	29	-0.09	620.02	0
620	Total Fumonisin (ppb)	2098	3,285	30.00	3,360	992.9	197.3	29	-0.08	620.01	0
620	Total Fumonisin (ppb)	0868	3,385	130.0	3,360	992.9	197.3	29	0.03	620.07	0
620	Total Fumonisin (ppb)	2022	3,415	90.00	3,360	992.9	197.3	29	0.06	620.07	0
620	Total Fumonisin (ppb)	0047	3,425	41.00	3,360	992.9	197.3	29	0.06	620.02	0
620	Total Fumonisin (ppb)	0878	3,595	50.00	3,360	992.9	197.3	29	0.24	620.98	0
620	Total Fumonisin (ppb)	2033	3,782	235.0	3,360	992.9	197.3	29	0.42	620.23	0
620	Total Fumonisin (ppb)	0032	3,785	110.0	3,360	992.9	197.3	29	0.43	620.23	0
620	Total Fumonisin (ppb)	0027	3,810	220.0	3,360	992.9	197.3	29	0.45	620.01	0
620	Total Fumonisin (ppb)	0098	4,100	200.0	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	0208	5,000	0.00	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	0554	5,100	40	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	0066	5,145	23	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	2268	6,050	50	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	2269	7,177	1,177	3,360	992.9	197.3	29	0.75	620.11	0
620	Total Fumonisin (ppb)	0142	0.0052	0.0001	3,360	992.9	197.3	29	-3.38	620.98	3
620	Total Fumonisin (ppb)	0674	2.600	0.0000	3,360	992.9	197.3	29	-3.38	620.05	3
620	Total Fumonisin (ppb)	0202	2.709	0.1750	3,360	992.9	197.3	29	-3.38	620.09	3
620	Total Fumonisin (ppb)	0529	3.400	0.6000	3,360	992.9	197.3	29	-3.38	620.02	3
621	Fumonsin B1 (ppb)	2207	1,500	0.0000	2,470	736.0	122.6	14	-1.32	621.23	0
621	Fumonsin B1 (ppb)	0619	1,834	272.3	2,470	736.0	122.6	14	-0.86	621.23	0
621	Fumonsin B1 (ppb)	0964	1,872	13.11	2,470	736.0	122.6	14	-0.81	621.23	0
621	Fumonsin B1 (ppb)	0009	1,924	69.00	2,470	736.0	122.6	14	-0.74	621.23	0
621	Fumonsin B1 (ppb)	0870	2,060	0.0000	2,470	736.0	122.6	14	-0.56	621.23	0
621	Fumonsin B1 (ppb)	0910	2,227	516.0	2,470	736.0	122.6	14	-0.33	621.21	0
621	Fumonsin B1 (ppb)	2244	2,407	48.05	2,470	736.0	122.6	14	-0.09	621.20	0

**Flag 3 – More data removed by me.
Not reporting ppb!**

Test Material Code # 201964

Analyte Proficiency Testing Report

Issue Date : 11/30/2019

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
621	Fumonsin B1 (ppb)	0218	2,475	70.00	2,470	736.0	122.6	14	0.01	621.23	0
621	Fumonsin B1 (ppb)	0918	2,498	125.9	2,470	736.0	122.6	14	0.04	621.23	0
621	Fumonsin B1 (ppb)	0032	2,715	110.0	2,470	736.0	122.6	14	0.33	621.23	0
621	Fumonsin B1 (ppb)	2033	2,780	180.0	2,470	736.0	122.6	14	0.42	621.23	0
621	Fumonsin B1 (ppb)	2053	3,295	170.0	2,470	736.0	122.6	14	1.12	621.22	0
621	Fumonsin B1 (ppb)	0098	3,450	100.0	2,470	736.0	122.6	14	1.33	621.20	0
621	Fumonsin B1 (ppb)	0553	3,602	42.60	2,470	736.0	122.6	14	1.54	621.23	0
621	Fumonsin B1 (ppb)	0043	1,038	0.0000	2,470	736.0	122.6	14	-3.35	621.22	3
622	Fumonisin B2 (ppb)	2207	300.0	0.0000	581.0	180.1	57.67	14	-1.56	622.23	0
622	Fumonisin B2 (ppb)	0870	470.0	20.00	581.0	180.1	57.67	14	-0.62	622.23	0
622	Fumonisin B2 (ppb)	0910	473.0	110.0	581.0	180.1	57.67	14	-0.60	622.21	0
622	Fumonisin B2 (ppb)	0218	499.0	40.00	581.0	180.1	57.67	14	-0.46	622.23	0
622	Fumonisin B2 (ppb)	2244	516.1	3.385	581.0	180.1	57.67	14	-0.36	622.20	0
622	Fumonisin B2 (ppb)	2053	520.0	20.00	581.0	180.1	57.67	14	-0.34	622.22	0
622	Fumonisin B2 (ppb)	0009	546.6	29.50	581.0	180.1	57.67	14	-0.19	622.23	0
622	Fumonisin B2 (ppb)	0619	557.4	144.4	581.0	180.1	57.67	14	-0.13	622.23	0
622	Fumonisin B2 (ppb)	0964	586.0	10.93	581.0	180.1	57.67	14	0.03	622.23	0
622	Fumonisin B2 (ppb)	0098	650.0	100.0	581.0	180.1	57.67	14	0.38	622.20	0
622	Fumonisin B2 (ppb)	2033	655.0	34.00	581.0	180.1	57.67	14	0.41	622.23	0
622	Fumonisin B2 (ppb)	0032	707.0	24.00	581.0	180.1	57.67	14	0.70	622.23	0
622	Fumonisin B2 (ppb)	0918	834.8	61.76	581.0	180.1	57.67	14	1.41	622.23	0
622	Fumonisin B2 (ppb)	0553	1,450	209.4	581.0	180.1	57.67	14	4.83	622.23	0
622	Fumonisin B2 (ppb)	0043	0.2953	0.0000	581.0	180.1	57.67	14	-3.23	622.22	3
623	Fumonisin B3 (ppb)	0870	240.0	0.0000	336.6	105.9	18.38	6	-0.91	623.23	0
623	Fumonisin B3 (ppb)	2053	290.0	20.00	336.6	105.9	18.38	6	-0.44	623.22	0
623	Fumonisin B3 (ppb)	0009	298.0	16.00	336.6	105.9	18.38	6	-0.36	623.23	0
623	Fumonisin B3 (ppb)	2033	346.5	21.00	336.6	105.9	18.38	6	0.09	623.23	0
623	Fumonisin B3 (ppb)	0032	369.0	32.00	336.6	105.9	18.38	6	0.31	623.23	0
623	Fumonisin B3 (ppb)	0553	546.1	21.30	336.6	105.9	18.38	6	1.98	623.23	0
630	Ochratoxin A (ppb)	0529	25.20	2.400	186.7	59.67	18.01	32	-2.71	630.01	0
630	Ochratoxin A (ppb)	2226	87.64	6.705	186.7	59.67	18.01	32	-1.66	630.05	0
630	Ochratoxin A (ppb)	2098	87.95	3.300	186.7	59.67	18.01	32	-1.66	630.01	0
630	Ochratoxin A (ppb)	2192	88.83	22.73	186.7	59.67	18.01	32	-1.64	630.20	0
630	Ochratoxin A (ppb)	0066	94.19	7.630	186.7	59.67	18.01	32	-1.55	630.05	0
630	Ochratoxin A (ppb)	0674	103.0	0.0000	186.7	59.67	18.01	32	-1.40	630.03	0
630	Ochratoxin A (ppb)	0674	103.8	0.0000	186.7	59.67	18.01	32	-1.39	630.20	0
630	Ochratoxin A (ppb)	0870	127.0	8.000	186.7	59.67	18.01	32	-1.00	630.98	0
630	Ochratoxin A (ppb)	0870	129.2	7.200	186.7	59.67	18.01	32	-0.96	630.23	0
630	Ochratoxin A (ppb)	2239	144.2	3.200	186.7	59.67	18.01	32	-0.71	630.98	0
630	Ochratoxin A (ppb)	2022	153.5	3.000	186.7	59.67	18.01	32	-0.56	630.03	0
630	Ochratoxin A (ppb)	0918	154.3	1.700	186.7	59.67	18.01	32	-0.54	630.23	0
630	Ochratoxin A (ppb)	0910	163.8	17.10	186.7	59.67	18.01	32	-0.38	630.21	0

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			Value	Range	Rob Mean	Rev.Horwitz	R-bar	# Tests			
630	Ochratoxin A (ppb)	2269	165.0	18.76	186.7	59.67	18.01	32	-0.36	630.98	0
630	Ochratoxin A (ppb)	0868	171.6	3.610	186.7	59.67	18.01	32	-0.25	630.03	0
630	Ochratoxin A (ppb)	2033	180.0	0.0000	186.7	59.67	18.01	32	-0.11	630.23	0
630	Ochratoxin A (ppb)	0619	181.7	22.20	186.7	59.67	18.01	32	-0.08	630.23	0
630	Ochratoxin A (ppb)	0098	184.0	4.000	186.7	59.67	18.01	32	-0.05	630.20	0
630	Ochratoxin A (ppb)	0010	206.5	3.000	186.7	59.67	18.01	32	0.33	630.23	0
630	Ochratoxin A (ppb)	0218	208.0	0.0000	186.7	59.67	18.01	32	0.36	630.23	0
630	Ochratoxin A (ppb)	0009	240.7	9.400	186.7	59.67	18.01	32	0.90	630.23	0
630	Ochratoxin A (ppb)	0032	245.0	2.000	186.7	59.67	18.01	32	0.98	630.23	0
630	Ochratoxin A (ppb)	0878	245.0	20.00	186.7	59.67	18.01	32	0.98	630.98	0
630	Ochratoxin A (ppb)	2247	249.0	28.10	186.7	59.67	18.01	32	1.04	630.20	0
630	Ochratoxin A (ppb)	0407	249.9	7.600	186.7	59.67	18.01	32	1.06	630.04	0
630	Ochratoxin A (ppb)	0964	260.0	4.716	186.7	59.67	18.01	32	1.23	630.23	0
630	Ochratoxin A (ppb)	2244	265.2	7.840	186.7	59.67	18.01	32	1.32	630.98	0
630	Ochratoxin A (ppb)	2053	266.0	10.00	186.7	59.67	18.01	32	1.33	630.23	0
630	Ochratoxin A (ppb)	2244	271.3	3.062	186.7	59.67	18.01	32	1.42	630.20	0
630	Ochratoxin A (ppb)	2207	275.0	12.00	186.7	59.67	18.01	32	1.48	630.23	0
630	Ochratoxin A (ppb)	0003	300.0	160.0	186.7	59.67	18.01	32	1.90	630.01	0
630	Ochratoxin A (ppb)	0553	437.0	177.1	186.7	59.67	18.01	32	4.19	630.23	0
640	T-2 Toxin (ppb)	0910	37.20	1.000	69.45	22.80	4.389	18	-1.41	640.21	0
640	T-2 Toxin (ppb)	2033	50.00	0.0000	69.45	22.80	4.389	18	-0.85	640.23	0
640	T-2 Toxin (ppb)	2244	51.70	1.200	69.45	22.80	4.389	18	-0.78	640.23	0
640	T-2 Toxin (ppb)	0218	56.00	12.00	69.45	22.80	4.389	18	-0.59	640.23	0
640	T-2 Toxin (ppb)	0878	56.95	1.500	69.45	22.80	4.389	18	-0.55	640.98	0
640	T-2 Toxin (ppb)	0553	57.00	16.60	69.45	22.80	4.389	18	-0.55	640.23	0
640	T-2 Toxin (ppb)	0407	58.16	1.960	69.45	22.80	4.389	18	-0.50	640.05	0
640	T-2 Toxin (ppb)	0870	58.33	2.740	69.45	22.80	4.389	18	-0.49	640.23	0
640	T-2 Toxin (ppb)	0918	65.58	2.750	69.45	22.80	4.389	18	-0.17	640.23	0
640	T-2 Toxin (ppb)	0964	67.07	1.240	69.45	22.80	4.389	18	-0.10	640.23	0
640	T-2 Toxin (ppb)	2239	67.90	2.400	69.45	22.80	4.389	18	-0.07	640.98	0
640	T-2 Toxin (ppb)	2053	73.55	0.7000	69.45	22.80	4.389	18	0.18	640.23	0
640	T-2 Toxin (ppb)	0868	74.08	1.850	69.45	22.80	4.389	18	0.20	640.03	0
640	T-2 Toxin (ppb)	2207	80.00	0.0000	69.45	22.80	4.389	18	0.46	640.23	0
640	T-2 Toxin (ppb)	2269	90.10	8.840	69.45	22.80	4.389	18	0.91	640.98	0
640	T-2 Toxin (ppb)	0297	105.0	10.00	69.45	22.80	4.389	18	1.56	640.98	0
640	T-2 Toxin (ppb)	0066	110.8	5.020	69.45	22.80	4.389	18	1.82	640.03	0
640	T-2 Toxin (ppb)	2129	117.2	9.193	69.45	22.80	4.389	18	2.09	640.05	0
640	T-2 Toxin (ppb)	0619	282.2	461.7	69.45	22.80	4.389	18	9.33	640.23	1
641	HT-2 Toxin (ppb)	0910	24.50	1.000	37.22	12.42	3.115	7	-1.02	641.21	0
641	HT-2 Toxin (ppb)	2033	31.10	1.800	37.22	12.42	3.115	7	-0.49	641.23	0
641	HT-2 Toxin (ppb)	0964	33.16	6.985	37.22	12.42	3.115	7	-0.33	641.23	0
641	HT-2 Toxin (ppb)	0619	35.50	3.600	37.22	12.42	3.115	7	-0.14	641.23	0

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641	HT-2 Toxin (ppb)	0870	41.10	0.3200	37.22	12.42	3.115	7	0.31	641.23	0
641	HT-2 Toxin (ppb)	2053	45.65	5.100	37.22	12.42	3.115	7	0.68	641.23	0
641	HT-2 Toxin (ppb)	0218	49.50	3.000	37.22	12.42	3.115	7	0.99	641.23	0
641	HT-2 Toxin (ppb)	2207	< 60		37.22	12.42	3.115	7		641.23	5
642	T-2 Toxin + HT-2 Toxin (ppb)	0964	100.4	7.890	139.4	44.91	6.628	8	-0.87	642.03	0
642	T-2 Toxin + HT-2 Toxin (ppb)	2098	101.2	7.300	139.4	44.91	6.628	8	-0.85	642.21	0
642	T-2 Toxin + HT-2 Toxin (ppb)	2269	124.3	12.20	139.4	44.91	6.628	8	-0.34	642.98	0
642	T-2 Toxin + HT-2 Toxin (ppb)	2244	125.9	6.140	139.4	44.91	6.628	8	-0.30	642.98	0
642	T-2 Toxin + HT-2 Toxin (ppb)	2022	127.6	2.780	139.4	44.91	6.628	8	-0.26	642.21	0
642	T-2 Toxin + HT-2 Toxin (ppb)	0870	128.1	6.900	139.4	44.91	6.628	8	-0.25	642.21	0
642	T-2 Toxin + HT-2 Toxin (ppb)	0529	198.8	9.000	139.4	44.91	6.628	8	1.32	642.21	0
642	T-2 Toxin + HT-2 Toxin (ppb)	2192	209.2	0.8100	139.4	44.91	6.628	8	1.55	642.21	0
650	Zearalenone (ppb)	0674	0.2200	0.0000	368.3	115.5	28.37	43	-3.19	650.02	0
650	Zearalenone (ppb)	0407	233.6	6.260	368.3	115.5	28.37	43	-1.17	650.07	0
650	Zearalenone (ppb)	2226	244.1	24.34	368.3	115.5	28.37	43	-1.07	650.06	0
650	Zearalenone (ppb)	2192	250.4	131.3	368.3	115.5	28.37	43	-1.02	650.20	0
650	Zearalenone (ppb)	0066	251.4	17.47	368.3	115.5	28.37	43	-1.01	650.07	0
650	Zearalenone (ppb)	0202	258.9	28.32	368.3	115.5	28.37	43	-0.95	650.06	0
650	Zearalenone (ppb)	0003	285.5	56.50	368.3	115.5	28.37	43	-0.72	650.01	0
650	Zearalenone (ppb)	0529	287.4	7.500	368.3	115.5	28.37	43	-0.70	650.01	0
650	Zearalenone (ppb)	0043	294.2	0.0000	368.3	115.5	28.37	43	-0.64	650.23	0
650	Zearalenone (ppb)	0142	310.9	22.60	368.3	115.5	28.37	43	-0.50	650.98	0
650	Zearalenone (ppb)	0870	311.2	19.10	368.3	115.5	28.37	43	-0.49	650.01	0
650	Zearalenone (ppb)	2113	319.6	20.20	368.3	115.5	28.37	43	-0.42	650.01	0
650	Zearalenone (ppb)	2129	328.1	14.60	368.3	115.5	28.37	43	-0.35	650.06	0
650	Zearalenone (ppb)	0918	344.2	15.50	368.3	115.5	28.37	43	-0.21	650.24	0
650	Zearalenone (ppb)	0619	345.1	30.70	368.3	115.5	28.37	43	-0.20	650.24	0
650	Zearalenone (ppb)	2268	350.0	40.00	368.3	115.5	28.37	43	-0.16	650.99	0
650	Zearalenone (ppb)	0964	357.7	4.340	368.3	115.5	28.37	43	-0.09	650.24	0
650	Zearalenone (ppb)	0870	357.8	1.400	368.3	115.5	28.37	43	-0.09	650.24	0
650	Zearalenone (ppb)	0868	361.0	16.00	368.3	115.5	28.37	43	-0.06	650.20	0
650	Zearalenone (ppb)	0035	361.4	24.16	368.3	115.5	28.37	43	-0.06	650.07	0
650	Zearalenone (ppb)	0098	365.0	30.00	368.3	115.5	28.37	43	-0.03	650.20	0
650	Zearalenone (ppb)	2244	367.4	12.08	368.3	115.5	28.37	43	-0.01	650.98	0
650	Zearalenone (ppb)	2244	373.5	34.02	368.3	115.5	28.37	43	0.05	650.20	0
650	Zearalenone (ppb)	2155	377.0	20.00	368.3	115.5	28.37	43	0.08	650.24	0
650	Zearalenone (ppb)	0868	377.5	3.000	368.3	115.5	28.37	43	0.08	650.98	0
650	Zearalenone (ppb)	2239	388.3	1.600	368.3	115.5	28.37	43	0.17	650.98	0
650	Zearalenone (ppb)	2033	390.0	20.00	368.3	115.5	28.37	43	0.19	650.24	0
650	Zearalenone (ppb)	2022	394.7	5.670	368.3	115.5	28.37	43	0.23	650.04	0
650	Zearalenone (ppb)	2269	396.7	18.25	368.3	115.5	28.37	43	0.25	650.98	0
650	Zearalenone (ppb)	2098	399.1	1.500	368.3	115.5	28.37	43	0.27	650.01	0

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650	Zearalenone (ppb)	2050	401.5	33.00	368.3	115.5	28.37	43	0.29	650.98	0
650	Zearalenone (ppb)	0218	414.5	21.00	368.3	115.5	28.37	43	0.40	650.24	0
650	Zearalenone (ppb)	0051	415.5	13.00	368.3	115.5	28.37	43	0.41	650.21	0
650	Zearalenone (ppb)	0878	422.5	21.00	368.3	115.5	28.37	43	0.47	650.98	0
650	Zearalenone (ppb)	0027	425.5	198.6	368.3	115.5	28.37	43	0.50	650.01	0
650	Zearalenone (ppb)	2247	426.9	62.20	368.3	115.5	28.37	43	0.51	650.20	0
650	Zearalenone (ppb)	0010	445.0	70.00	368.3	115.5	28.37	43	0.66	650.24	0
650	Zearalenone (ppb)	0910	482.5	33.00	368.3	115.5	28.37	43	0.99	650.20	0
650	Zearalenone (ppb)	0009	489.0	8.900	368.3	115.5	28.37	43	1.04	650.24	0
650	Zearalenone (ppb)	0032	501.5	37.00	368.3	115.5	28.37	43	1.15	650.24	0
650	Zearalenone (ppb)	2053	509.0	20.00	368.3	115.5	28.37	43	1.22	650.24	0
650	Zearalenone (ppb)	2207	570.0	40.00	368.3	115.5	28.37	43	1.75	650.24	0
650	Zearalenone (ppb)	0553	612.0	35.60	368.3	115.5	28.37	43	2.11	650.24	0
650	Zearalenone (ppb)	0297	3,500	200.0	368.3	115.5	28.37	43	27.11	650.01	2

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%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.

Reporting style identical to other AAFCO PT Schemes

New Reports

- Introduce Z Scores based on individual method data.
 - A few methods have enough participants for reliable stats.
 - Look carefully at Kits vs LC methods variability among Labs.
- New Report Card using Method Assigned Value.
- Analyte Report Card - same Z-Score, AV and ffp SD as old reporting.
- Method comparison now available in summary report.
- Method precision report looks at Within vs Between Labs variance.
- Alignment with our other AAFCO PT Schemes.
- More compliant with Accreditation review.

**Barring any objections, I will implement for
202061, Dairy Feed, Due February 15th.**

HAPPY NEW YEAR

