

**AAFCO Check Sample Program**  
**All Methods Report**



**Proficiency For Individual Methods**  
**Sample # 201528**  
**Dog Food**  
**Regular Program**

**# Labs Reporting: 232**  
**Issue Date : 09/30/2015**

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility SR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
000.02	1		0.20000														
001.00	9	7	7.2047	0.42365	7.2334	0.34280	0.08570	4.74%	0.41835	0.09447	0.42888	5.81%	1.31%	5.95%	4.5397	0.10665	2.97%
001.03	11	10	7.2005	0.18238	7.1745	0.14904	0.03333	2.08%	0.18205	0.01555	0.18271	2.53%	0.22%	2.54%	11.750	0.01606	2.97%
001.05	1		7.1850														
001.07	36	32	7.2709	0.29995	7.2838	0.33079	0.03954	4.54%	0.29378	0.08562	0.30600	4.04%	1.18%	4.21%	3.5741	0.10614	2.97%
001.08	4	4	7.3925	0.16276	7.3925	0.16276	0.08138	2.20%	0.13726	0.12369	0.18477	1.86%	1.67%	2.50%	1.4938	0.16000	2.96%
001.99	19	17	7.0985	0.59617	7.0493	0.51899	0.08650	7.36%	0.59338	0.08148	0.59895	8.36%	1.15%	8.44%	7.3513	0.08889	2.98%
002.00	4	4	24.390	0.22712	24.390	0.22712	0.11356	0.93%		0.43148			1.77%		0.48500		2.02%
002.01	19	19	24.284	0.30602	24.330	0.14283	0.02317	0.59%	0.29071	0.13518	0.32060	1.20%	0.56%	1.32%	2.3717	0.14289	2.03%
002.02	2	0															
002.04	2	0															
002.05	43	39	24.384	0.63138	24.406	0.35682	0.03893	1.46%	0.62737	0.10050	0.63537	2.57%	0.41%	2.61%	6.3224	0.12254	2.02%
002.06	147	140	24.722	0.36539	24.717	0.34503	0.02019	1.40%	0.34811	0.15702	0.38188	1.41%	0.64%	1.54%	2.4321	0.18373	2.01%
002.08	3	2	24.478	0.45608	24.478	0.45608	0.32250	1.86%	0.45596	0.01500	0.45621	1.86%	0.06%	1.86%	30.414	0.10840	2.02%
002.10	2	0															
002.11	8	7	24.804	1.2426	24.746	1.2828	0.34283	5.18%	1.2409	0.09223	1.2443	5.00%	0.37%	5.02%	13.491	0.11000	2.01%
002.99	4	4	23.886	1.3305	23.886	1.3305	0.66524	5.57%	1.3277	0.12088	1.3332	5.56%	0.51%	5.58%	11.029	0.14750	2.05%
003.00	8	7	9.7653	0.73678	9.8617	0.82125	0.20531	8.33%	0.72540	0.18239	0.74798	7.43%	1.87%	7.66%	4.1010	0.21198	2.83%
003.01	2	0															
003.06	18	17	9.6465	0.69845	9.7241	0.84103	0.14017	8.65%	0.69425	0.10812	0.70262	7.20%	1.12%	7.28%	6.4982	0.12855	2.84%
003.09	18	16	9.8157	0.80172	9.8797	0.82650	0.13775	8.37%	0.79232	0.17311	0.81101	8.07%	1.76%	8.26%	4.6850	0.20651	2.83%
003.10	27	24	9.8203	0.75544	9.8814	0.63070	0.08746	6.38%	0.74903	0.13896	0.76181	7.63%	1.41%	7.76%	5.4824	0.16218	2.83%
003.11	7	6	12.163	1.5857	12.163	1.7982	0.51910	14.79%	1.5828	0.13684	1.5887	13.01%	1.13%	13.06%	11.610	0.13167	2.75%
003.12	8	6	9.6600	0.46802	9.8792	0.29471	0.07877	2.98%	0.46791	0.01414	0.46812	4.84%	0.15%	4.85%	33.101	0.04286	2.83%
003.13	7	5	9.8565	0.23012	9.9169	0.28750	0.08300	2.90%	0.19350	0.17614	0.26166	1.96%	1.79%	2.65%	1.4855	0.21383	2.83%
003.14	31	28	9.5320	0.72201	9.5431	0.69304	0.08947	7.26%	0.70936	0.19033	0.73445	7.44%	2.00%	7.71%	3.8588	0.21700	2.85%
003.99	5	4	11.263	1.9271	11.263	1.9271	0.96357	17.11%	1.9267	0.05545	1.9275	17.11%	0.49%	17.11%	34.760	0.20800	2.78%
004.00	20	17	3.0990	0.23441	3.1394	0.28741	0.04662	9.15%	0.22409	0.09730	0.24430	7.23%	3.14%	7.88%	2.5108	0.12294	3.37%
004.01	2	0															
004.03	5	5	3.0190	0.67228	3.0190	0.67228	0.30065	22.27%	0.66434	0.14567	0.68013	22.01%	4.83%	22.53%	4.6689	0.17310	3.39%
004.06	37	34	3.4160	0.46283	3.3660	0.39087	0.04606	11.61%	0.45856	0.08868	0.46706	13.42%	2.60%	13.67%	5.2666	0.09498	3.33%
004.07	55	48	3.2805	0.37504	3.3090	0.42859	0.04163	12.95%	0.36727	0.10740	0.38265	11.20%	3.27%	11.66%	3.5630	0.13791	3.34%

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004.11	5	4	2.8525	0.21527	2.8525	0.21527	0.10764	7.55%	0.21373	0.03640	0.21680	7.49%	1.28%	7.60%	5.9561	0.03600	3.42%
004.99	2	0															
005.00	107	99	7.3590	0.15625	7.3490	0.17079	0.01196	2.32%	0.14961	0.06377	0.16263	2.03%	0.87%	2.21%	2.5502	0.06883	2.96%
005.05	34	32	7.4602	0.08377	7.4641	0.07198	0.00886	0.96%	0.08016	0.03438	0.08722	1.07%	0.46%	1.17%	2.5372	0.04106	2.96%
005.11	6	6	7.0842	2.0521	7.4917	1.2983	0.37478	17.33%	2.0486	0.16894	2.0556	28.92%	2.38%	29.02%	12.167	0.18167	2.95%
005.99	12	11	7.4500	0.24334	7.4312	0.20835	0.04442	2.80%	0.23888	0.06557	0.24772	3.21%	0.88%	3.33%	3.7777	0.07091	2.96%
006.01	2	0															
006.99	3	2	6.8475	6.8483	6.8475	6.8483	4.8425	100.01%	6.8483	0.02062	6.8483	100.01%	0.30%	100.01%	332.19	0.11667	2.99%
008.02	8	7	4.7447	0.69519	5.0185	0.65850	0.16463	13.12%	0.67694	0.22378	0.71297	14.27%	4.72%	15.03%	3.1861	0.26575	3.14%
008.05	1		6.5500														
008.08	34	31	4.8579	0.98478	4.8220	1.0179	0.12344	21.11%	0.96613	0.26976	1.0031	19.89%	5.55%	20.65%	3.7184	0.32178	3.16%
008.99	2	0															
009.04	1		8.0100														
009.07	5	4	9.1125	1.4442	9.1125	1.4442	0.72209	15.85%	1.4218	0.35813	1.4662	15.60%	3.93%	16.09%	4.0941	0.58342	2.87%
009.09	35	32	9.9808	2.3927	9.9299	2.2600	0.27012	22.76%	2.3855	0.26294	2.3999	23.90%	2.63%	24.05%	9.1272	0.38547	2.83%
009.99	1		3.7400														
010.03	3	3	7.3633	0.13194	7.3633	0.13194	0.07618	1.79%		0.42767			5.81%		0.58000	2.96%	
010.11	7	7	7.5538	1.2433	7.6821	1.1507	0.30754	14.98%	1.2398	0.13083	1.2467	16.41%	1.73%	16.50%	9.5292	0.12786	2.94%
010.99	17	14	6.9177	0.88332	7.1461	0.34002	0.06011	4.76%	0.88219	0.06316	0.88444	12.75%	0.91%	12.79%	14.003	0.07626	2.98%
011.01	89	80	7.8841	0.28588	7.8892	0.26439	0.02016	3.35%	0.27491	0.11095	0.29645	3.49%	1.41%	3.76%	2.6720	0.13163	2.93%
011.02	6	6	7.8090	0.31372	7.7926	0.32613	0.09415	4.19%	0.29139	0.16440	0.33457	3.73%	2.11%	4.28%	2.0350	0.17467	2.94%
011.03	1		6.9750														
011.99	4	4	7.3813	0.26976	7.3813	0.26976	0.13488	3.65%	0.25341	0.13081	0.28518	3.43%	1.77%	3.86%	2.1800	0.15750	2.96%
012.00	10	9	34.265	1.0527	34.098	1.1592	0.25921	3.40%	1.0469	0.15633	1.0585	3.06%	0.46%	3.09%	6.7708	0.20500	1.71%
012.01	8	7	32.250	1.9617	31.643	2.8355	0.70887	8.96%	1.9012	0.68371	2.0204	5.90%	2.12%	6.26%	2.9551	0.83036	1.78%
012.02	2	0															
012.03	5	5	32.893	1.6873	32.893	1.6873	0.75460	5.13%	1.6813	0.20135	1.6933	5.11%	0.61%	5.15%	8.4098	0.21936	1.74%
012.04	6	5	32.461	1.9625	32.065	1.4756	0.42596	4.60%	1.9586	0.17484	1.9664	6.03%	0.54%	6.06%	11.247	0.36867	1.77%
012.11	3	2	27.105	7.3539	27.105	7.3539	5.2000	27.13%	7.3539	0.01581	7.3539	27.13%	0.06%	27.13%	465.10	0.19667	1.92%
013.00	24	21	13.089	0.55314	13.040	0.62078	0.09153	4.76%	0.54635	0.12221	0.55985	4.17%	0.93%	4.28%	4.5812	0.17667	2.72%
013.02	46	43	13.715	0.40454	13.725	0.39320	0.04099	2.86%	0.37654	0.20915	0.43072	2.75%	1.52%	3.14%	2.0594	0.24246	2.70%
013.08	1		11.515														
013.10	13	11	12.833	0.97215	12.734	0.68483	0.13431	5.38%	0.96488	0.16787	0.97937	7.52%	1.31%	7.63%	5.8342	0.20369	2.73%
013.12	1		11.070														
013.13	5	5	13.502	2.4518	13.502	2.4518	1.0965	18.16%	2.4471	0.21563	2.4566	18.12%	1.60%	18.19%	11.393	0.29610	2.70%
015.41	5	4	176.78	23.591	176.78	23.591	11.796	13.34%	23.547	2.0449	23.635	13.32%	1.16%	13.37%	11.558	8.7685	7.34%
015.42	1		185.30														
015.43	6	6	168.44	33.594	168.44	38.096	10.997	22.62%	33.145	7.7492	34.038	19.68%	4.60%	20.21%	4.3925	10.085	7.40%
017.41	2	0															
017.42	4	3	5.0976	0.08167	5.0976	0.08167	0.04716	1.60%		0.17136			3.36%		0.23378	12.52%	
017.43	4	4	6.4279	2.6821	6.4279	2.6821	1.3411	41.73%	2.3499	1.8286	2.9775	36.56%	28.45%	46.32%	1.6283	1.7628	12.09%
019.00	25	21	1.4577	0.03809	1.4571	0.03909	0.00589	2.68%	0.03643	0.01574	0.03969	2.50%	1.08%	2.72%	2.5217	0.01996	3.78%
019.02	1		1.0850														

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019.03	1		1.5148														
019.08	8	7	1.4528	0.03401	1.4454	0.03214	0.00803	2.22%	0.02586	0.03123	0.04055	1.78%	2.15%	2.79%	1.2984	0.04068	3.78%
019.09	1		1.4940														
019.31	26	25	1.4600	0.08389	1.4642	0.06929	0.00980	4.73%	0.08042	0.03381	0.08723	5.51%	2.32%	5.97%	2.5804	0.03574	3.78%
019.32	6	5	1.4459	0.08233	1.4459	0.08233	0.02604	5.69%	0.08197	0.01085	0.08269	5.67%	0.75%	5.72%	7.6197	0.01306	3.78%
019.33	2	0															
019.41	34	32	1.4657	0.06743	1.4660	0.06973	0.00858	4.76%	0.06410	0.02957	0.07059	4.37%	2.02%	4.82%	2.3873	0.03490	3.78%
019.42	23	21	1.4803	0.08844	1.4785	0.07526	0.01135	5.09%	0.08599	0.02923	0.09082	5.81%	1.97%	6.14%	3.1073	0.03264	3.77%
019.43	20	18	1.4684	0.06619	1.4716	0.06812	0.01105	4.63%	0.06302	0.02861	0.06921	4.29%	1.95%	4.71%	2.4190	0.03627	3.77%
019.44	4	4	1.4339	0.02884	1.4339	0.02884	0.01442	2.01%	0.01862	0.03115	0.03629	1.30%	2.17%	2.53%	1.1651	0.03778	3.79%
019.51	1		1.6595														
019.52	1		1.2450														
019.53	3	2	1.6125	0.12374	1.6125	0.12374	0.08750	7.67%	0.11790	0.05315	0.12933	7.31%	3.30%	8.02%	2.4332	0.28333	3.72%
019.99	4	4	1.2700	0.32729	1.2700	0.32729	0.16364	25.77%	0.32600	0.04093	0.32856	25.67%	3.22%	25.87%	8.0281	0.04500	3.86%
021.31	1		1.3000														
021.41	2	0															
021.42	1		0.08465														
021.43	5	4	0.21454	0.04750	0.21454	0.04750	0.02375	22.14%	0.04712	0.00846	0.04787	21.96%	3.94%	22.31%	5.6601	0.01970	20.17%
021.52	1		0.36000														
021.53	7	5	0.24913	0.05387	0.25300	0.05012	0.01447	19.81%	0.05310	0.01283	0.05462	21.31%	5.15%	21.93%	4.2591	0.01445	19.67%
022.31	12	10	13.402	1.5333	13.823	1.7330	0.35375	12.54%	1.4868	0.53007	1.5785	11.09%	3.96%	11.78%	2.9779	0.84792	10.77%
022.32	3	3	15.051	4.6760	15.051	4.6760	2.6997	31.07%	4.6324	0.90152	4.7193	30.78%	5.99%	31.36%	5.2348	0.86533	10.64%
022.33	2	0															
022.41	24	22	12.706	1.2362	12.656	1.3530	0.19949	10.69%	1.1568	0.61660	1.3108	9.10%	4.85%	10.32%	2.1259	0.73553	10.92%
022.42	20	15	14.009	1.6510	14.110	1.8752	0.30420	13.29%	1.6143	0.48910	1.6868	11.52%	3.49%	12.04%	3.4487	0.74654	10.74%
022.43	14	13	12.829	1.7688	13.309	1.0024	0.18944	7.53%	1.7259	0.54789	1.8107	13.45%	4.27%	14.11%	3.3049	0.60550	10.84%
022.44	1		14.650														
022.51	1		14.523														
022.52	1		14.000														
022.53	5	5	13.482	0.72781	13.482	0.72781	0.32549	5.40%	0.61027	0.56086	0.82885	4.53%	4.16%	6.15%	1.4778	0.55350	10.81%
022.99	1		14.000														
024.53	1		1.6389														
025.31	19	15	291.53	21.743	285.25	19.701	3.2834	6.91%	21.414	5.3281	22.067	7.35%	1.83%	7.57%	4.1416	6.3998	6.83%
025.32	4	4	276.60	25.600	276.60	25.600	12.800	9.26%	25.362	4.9181	25.835	9.17%	1.78%	9.34%	5.2530	5.3000	6.86%
025.33	2	0															
025.34	1		222.44														
025.41	29	27	277.13	11.627	277.22	13.888	1.8236	5.01%	10.385	7.3943	12.749	3.75%	2.67%	4.60%	1.7241	8.1484	6.86%
025.42	18	18	262.02	30.027	261.03	31.769	5.2949	12.17%	28.747	12.263	31.254	10.97%	4.68%	11.93%	2.5486	13.109	6.92%
025.43	18	17	276.12	28.392	277.73	23.461	3.9102	8.45%	27.678	8.9492	29.089	10.02%	3.24%	10.54%	3.2505	11.473	6.86%
025.51	1		316.49														
025.52	2	0															
025.53	2	0															
025.99	1		277.00														

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027.31	15	13	0.12625	0.00776	0.12600	0.00811	0.00153	6.44%	0.00769	0.00141	0.00782	6.09%	1.12%	6.19%	5.5546	0.00151	5.46%
027.32	5	5	0.13345	0.00529	0.13345	0.00529	0.00237	3.97%	0.00512	0.00190	0.00546	3.84%	1.43%	4.09%	2.8677	0.00182	5.42%
027.33	2	0															
027.41	26	26	0.13193	0.00643	0.13120	0.00546	0.00076	4.16%	0.00598	0.00335	0.00686	4.53%	2.54%	5.20%	2.0452	0.00283	5.43%
027.42	19	16	0.13418	0.00696	0.13528	0.00767	0.00124	5.67%	0.00663	0.00301	0.00728	4.94%	2.24%	5.43%	2.4217	0.00439	5.40%
027.43	14	14	0.12752	0.00999	0.12759	0.01023	0.00193	8.02%	0.00940	0.00481	0.01056	7.37%	3.77%	8.28%	2.1963	0.00552	5.45%
027.44	4	4	0.12584	0.00497	0.12584	0.00497	0.00249	3.95%	0.00462	0.00258	0.00530	3.67%	2.05%	4.21%	2.0495	0.00248	5.46%
027.51	1		0.13550														
027.53	3	2	0.13350	0.01061	0.13350	0.01061	0.00750	7.95%	0.01050	0.00209	0.01071	7.87%	1.56%	8.02%	5.1286	0.00173	5.42%
027.99	1		0.14500														
028.31	12	10	28.469	1.0286	28.366	0.79635	0.16978	2.81%	0.71309	1.0483	1.2679	2.50%	3.68%	4.45%	1.2094	1.1570	9.67%
028.32	3	3	34.433	10.910	34.433	10.910	6.2986	31.68%	10.837	1.7777	10.982	31.47%	5.16%	31.89%	6.1774	1.9267	9.39%
028.33	1		28.440														
028.41	25	23	27.949	1.8729	27.840	1.9304	0.27863	6.93%	1.6053	1.3643	2.1067	5.74%	4.88%	7.54%	1.5442	1.5364	9.70%
028.42	21	17	29.737	3.7428	29.052	3.2344	0.51141	11.13%	3.6821	0.94920	3.8025	12.38%	3.19%	12.79%	4.0060	1.1399	9.63%
028.43	14	14	28.238	2.3582	28.238	2.6741	0.50537	9.47%	2.2002	1.2000	2.5062	7.79%	4.25%	8.88%	2.0884	1.3850	9.68%
028.44	2	0															
028.51	1		29.319														
028.52	2	0															
028.53	4	4	28.498	3.2117	28.498	3.2117	1.6059	11.27%	3.1617	0.79864	3.2610	11.09%	2.80%	11.44%	4.0832	1.0589	9.66%
028.99	1		29.500														
031.00	2	0															
031.01	51	45	0.91947	0.05566	0.91920	0.03273	0.00327	3.56%	0.05529	0.00915	0.05604	6.01%	0.99%	6.09%	6.1276	0.01050	4.05%
031.02	3	3	0.92788	0.00753	0.92788	0.00753	0.00435	0.81%	0.00674	0.00474	0.00824	0.73%	0.51%	0.89%	1.7387	0.00530	4.05%
031.03	3	3	0.93495	0.02493	0.93495	0.02493	0.01439	2.67%	0.02471	0.00458	0.02513	2.64%	0.49%	2.69%	5.4846	0.00503	4.04%
031.06	2	0															
031.41	30	28	0.93080	0.02987	0.93434	0.02440	0.00320	2.61%	0.02757	0.01624	0.03200	2.96%	1.75%	3.44%	1.9700	0.01871	4.04%
031.42	22	20	0.92720	0.04679	0.92392	0.05429	0.00838	5.88%	0.04502	0.01798	0.04848	4.86%	1.94%	5.23%	2.6961	0.01791	4.05%
031.43	15	14	0.93319	0.04166	0.94036	0.04548	0.00830	4.84%	0.03854	0.02235	0.04455	4.13%	2.40%	4.77%	1.9931	0.02531	4.04%
031.44	4	4	0.89674	0.02883	0.89674	0.02883	0.01441	3.21%	0.02799	0.00975	0.02964	3.12%	1.09%	3.31%	3.0387	0.01363	4.07%
031.51	1		0.95915														
031.53	3	2	1.0400	0.08485	1.0400	0.08485	0.06000	8.16%	0.08337	0.02236	0.08631	8.02%	2.15%	8.30%	3.8601	0.02667	3.98%
031.99	4	4	0.94750	0.07773	0.94750	0.07773	0.03886	8.20%	0.07651	0.01936	0.07893	8.08%	2.04%	8.33%	4.0757	0.02500	4.03%
032.02	3	3	0.91600	0.01652	0.91600	0.01652	0.00954	1.80%	0.01626	0.00416	0.01678	1.77%	0.45%	1.83%	4.0311	0.00400	4.05%
032.31	16	16	0.89525	0.06080	0.89581	0.05627	0.00995	6.28%	0.05969	0.01634	0.06189	6.67%	1.83%	6.91%	3.7874	0.01564	4.07%
032.32	3	3	0.87445	0.05818	0.87445	0.05818	0.03359	6.65%	0.05734	0.01394	0.05901	6.56%	1.59%	6.75%	4.2323	0.01617	4.08%
032.41	27	25	0.89809	0.04164	0.90360	0.04158	0.00577	4.60%	0.04027	0.01501	0.04298	4.48%	1.67%	4.79%	2.8624	0.01584	4.06%
032.42	22	20	0.92479	0.04401	0.92023	0.05007	0.00773	5.44%	0.04132	0.02142	0.04654	4.47%	2.32%	5.03%	2.1729	0.02183	4.05%
032.43	13	13	0.87388	0.04524	0.87662	0.04466	0.00876	5.09%	0.04285	0.02049	0.04750	4.90%	2.34%	5.44%	2.3185	0.02271	4.08%
032.44	4	4	0.82049	0.14533	0.82049	0.14533	0.07266	17.71%	0.14487	0.01628	0.14578	17.66%	1.98%	17.77%	8.9569	0.01663	4.12%
032.51	1		0.92605														
032.53	3	2	1.0350	0.10607	1.0350	0.10607	0.07500	10.25%	0.10607	0.00000	0.10607	10.25%	0.00%	10.25%		0.06333	3.98%
032.99	2	0															

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033.00	23	23	0.77379	0.12188	0.78926	0.07496	0.01105	9.50%	0.12159	0.01190	0.12217	15.71%	1.54%	15.79%	10.271	0.01386	4.14%
033.01	29	27	0.84863	0.02930	0.84696	0.02459	0.00329	2.90%	0.02852	0.00954	0.03007	3.36%	1.12%	3.54%	3.1522	0.00964	4.10%
033.03	3	3	0.77000	0.06557	0.77000	0.06557	0.03786	8.52%	0.06351	0.02309	0.06758	8.25%	3.00%	8.78%	2.9262	0.02667	4.16%
033.05	3	3	0.81667	0.08129	0.81667	0.08129	0.04693	9.95%	0.08016	0.01915	0.08241	9.82%	2.34%	10.09%	4.3038	0.02667	4.12%
033.99	8	7	1.0384	0.43751	0.86594	0.08938	0.02389	10.32%	0.43728	0.01989	0.43774	42.11%	1.92%	42.16%	22.011	0.02453	4.09%
034.01	2	0															
034.04	4	4	0.62338	0.05781	0.62338	0.05781	0.02891	9.27%	0.05570	0.02191	0.05985	8.93%	3.52%	9.60%	2.7315	0.02525	17.18%
034.43	1		0.34505														
034.52	1		0.74000														
034.53	8	7	0.70561	0.16722	0.70168	0.15590	0.04167	22.22%	0.16249	0.05580	0.17181	23.03%	7.91%	24.35%	3.0788	0.05101	16.87%
034.99	1		0.72000														
035.01	4	4	0.32088	0.01476	0.32088	0.01476	0.00738	4.60%	0.01409	0.00621	0.01540	4.39%	1.94%	4.80%	2.4773	0.00625	4.75%
035.05	4	4	0.34063	0.01505	0.34063	0.01505	0.00753	4.42%	0.01482	0.00369	0.01528	4.35%	1.08%	4.48%	4.1387	0.00325	4.70%
035.31	20	17	0.31242	0.01787	0.31300	0.02192	0.00356	7.00%	0.01769	0.00362	0.01806	5.66%	1.16%	5.78%	4.9868	0.00442	4.76%
035.32	4	4	0.30466	0.03610	0.30466	0.03610	0.01805	11.85%	0.03583	0.00627	0.03637	11.76%	2.06%	11.94%	5.8017	0.00743	4.78%
035.41	31	29	0.32275	0.01159	0.32298	0.00998	0.00127	3.09%	0.01056	0.00675	0.01253	3.27%	2.09%	3.88%	1.8566	0.00763	4.74%
035.42	19	17	0.32402	0.02145	0.32328	0.02623	0.00425	8.11%	0.02035	0.00956	0.02249	6.28%	2.95%	6.94%	2.3528	0.01193	4.74%
035.43	14	14	0.30884	0.02010	0.30989	0.01828	0.00345	5.90%	0.01850	0.01109	0.02157	5.99%	3.59%	6.98%	1.9452	0.01211	4.77%
035.53	3	2	0.33150	0.02333	0.33150	0.02333	0.01650	7.04%	0.02297	0.00583	0.02370	6.93%	1.76%	7.15%	4.0638	0.15200	4.72%
035.99	2	0															
036.04	4	4	0.34000	0.01683	0.34000	0.01683	0.00842	4.95%	0.01532	0.00987	0.01822	4.50%	2.90%	5.36%	1.8455	0.00950	4.70%
036.42	21	20	0.32581	0.02499	0.32380	0.02652	0.00409	8.19%	0.02416	0.00905	0.02579	7.41%	2.78%	7.92%	2.8511	0.01045	4.74%
036.43	9	8	0.32656	0.01969	0.33346	0.00878	0.00219	2.63%	0.01943	0.00452	0.01995	5.95%	1.38%	6.11%	4.4119	0.00463	4.72%
037.31	17	14	188.18	13.072	186.01	8.2482	1.5059	4.43%	12.891	3.0675	13.251	6.85%	1.63%	7.04%	4.3198	4.9596	7.29%
037.32	4	3	194.32	1.6358	194.32	1.6358	0.94443	0.84%		9.9288			5.11%		10.575	7.24%	
037.33	2	0															
037.41	28	27	186.35	12.612	186.92	12.600	1.6837	6.74%	12.072	5.1645	13.130	6.48%	2.77%	7.05%	2.5425	6.0828	7.28%
037.42	22	19	187.49	36.311	187.01	19.900	3.0707	10.64%	36.071	5.8963	36.549	19.24%	3.14%	19.49%	6.1987	7.1421	7.28%
037.43	18	15	186.91	11.761	185.32	10.620	1.8213	5.73%	11.219	4.9945	12.280	6.00%	2.67%	6.57%	2.4587	7.3718	7.29%
037.44	2	0															
037.51	1		184.90														
037.52	2	0															
037.53	4	4	184.72	21.097	184.72	21.097	10.548	11.42%	20.784	5.1215	21.405	11.25%	2.77%	11.59%	4.1795	5.9015	7.29%
037.99	1		227.50														
038.41	2	0															
038.42	3	3	1.1827	0.12237	1.1827	0.12237	0.07065	10.35%	0.11614	0.05451	0.12830	9.82%	4.61%	10.85%	2.3536	0.07260	15.60%
038.43	6	6	1.0325	0.21416	0.99500	0.11159	0.03221	11.22%	0.20825	0.07066	0.21991	20.17%	6.84%	21.30%	3.1123	0.08270	16.01%
038.52	1		1.3000														
038.53	6	4	1.2132	0.13205	1.2376	0.12667	0.04006	10.24%	0.13175	0.01257	0.13235	10.86%	1.04%	10.91%	10.525	0.06646	15.49%
040.42	1		8.1150														
040.52	1		8.0000														
040.53	1		7.6330														
041.52	1		0.35500														

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041.53	2																
042.00	2	0															
042.99	1		0.93000														
101.01	3	3	1,657.9	47.977	1,657.9	47.977	27.699	2.89%	44.582	25.070	51.147	2.69%	1.51%	3.08%	2.0402	29.347	5.24%
101.02	2	0															
102.01	1		95.800														
102.02	1		91.960														
103.01	1		75.150														
103.02	3	3	102.57	48.652	102.57	48.652	28.089	47.44%	48.652	0.08916	48.652	47.43%	0.09%	47.44%	545.65	0.09000	7.97%
104.00	2	0															
104.03	2	0															
105.00	3	2	30.405	11.886	30.405	11.886	8.4050	39.09%	11.886	0.00000	11.886	39.09%	0.00%	39.09%		0.11667	9.57%
105.01	1		28.950														
106.01	1		38.700														
106.02	18	16	27.969	8.2340	28.515	7.9454	1.3626	27.86%	8.1586	1.5719	8.3087	29.17%	5.62%	29.71%	5.2856	1.6835	
107.00	1		174.50														
108.01	1		1.7000														
108.02	5	5	5.6651	4.7591	5.6651	4.7591	2.1283	84.01%	4.7532	0.33561	4.7650	83.90%	5.92%	84.11%	14.198	0.35340	
108.99	1		2.1000														
109.02	20	19	173.71	48.846	174.35	51.995	8.4347	29.82%	48.522	7.9447	49.168	27.93%	4.57%	28.31%	6.1888	8.4579	7.36%
111.00	1		29.190														
111.99	1		9.1050														
112.00	1		6.7600														
113.01	1		2.0250														
114.01	1		0.40300														
118.99	1		7.6800														
120.00	15	14	1.3392	0.03807	1.3439	0.03345	0.00611	2.49%	0.03713	0.01187	0.03898	2.77%	0.89%	2.91%	3.2849	0.01491	3.83%
120.01	1		1.2655														
120.02	2	0															
120.05	2	0															
120.99	1		1.5100														
121.00	15	15	1.7526	0.06714	1.7535	0.07211	0.01317	4.11%	0.06633	0.01477	0.06795	3.78%	0.84%	3.88%	4.6013	0.01659	3.68%
121.01	1		1.7345														
121.02	2	0															
121.05	2	0															
121.99	1		1.7150														
122.00	16	14	2.4069	0.05953	2.4109	0.04100	0.00749	1.70%	0.05792	0.01945	0.06110	2.41%	0.81%	2.54%	3.1418	0.02838	3.50%
122.01	1		2.3415														
122.02	2	0															
122.05	2	0															
122.99	1		2.2250														
124.00	15	13	0.27441	0.01751	0.27589	0.01835	0.00347	6.65%	0.01728	0.00404	0.01774	6.30%	1.47%	6.47%	4.3911	0.00573	4.86%
124.01	1		0.27100														

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124.02	1		0.30600														
124.05	1		0.29000														
124.99	1		0.45000														
125.00	15	15	3.5237	0.09883	3.5093	0.08337	0.01522	2.38%	0.09450	0.04088	0.10297	2.68%	1.16%	2.92%	2.5185	0.04686	3.31%
125.01	1		3.4610														
125.02	2	0															
125.05	2	0															
125.99	1		3.4300														
126.00	15	14	1.7666	0.02647	1.7705	0.03162	0.00577	1.79%	0.02397	0.01587	0.02875	1.36%	0.90%	1.63%	1.8119	0.01737	3.67%
126.01	1		1.7435														
126.02	2	0															
126.05	2	0															
126.99	1		1.5900														
127.00	15	14	0.53296	0.02449	0.53621	0.03033	0.00554	5.66%	0.02383	0.00798	0.02513	4.47%	1.50%	4.72%	3.1506	0.00867	4.39%
127.01	1		0.56700														
127.02	2	0															
127.05	1		0.55300														
127.99	1		0.51000														
128.00	15	14	0.92263	0.03919	0.92336	0.03610	0.00682	3.91%	0.03865	0.00917	0.03972	4.19%	0.99%	4.31%	4.3299	0.00998	4.05%
128.01	1		0.88500														
128.02	2	0															
128.05	2	0															
128.99	1		0.94000														
129.00	15	15	1.7029	0.03934	1.7006	0.03568	0.00651	2.10%	0.03739	0.01730	0.04119	2.20%	1.02%	2.42%	2.3817	0.02153	3.69%
129.01	1		1.6380														
129.02	2	0															
129.05	2	0															
129.99	1		1.5300														
130.00	15	15	1.5561	0.03874	1.5562	0.04157	0.00759	2.67%	0.03669	0.01757	0.04068	2.36%	1.13%	2.61%	2.3152	0.01863	3.74%
130.01	1		1.4575														
130.02	2	0															
130.05	3	3	1.5742	0.05349	1.5742	0.05349	0.03088	3.40%	0.04567	0.03938	0.06030	2.90%	2.50%	3.83%	1.5313	0.04100	3.74%
130.99	1		1.5700														
131.00	15	14	0.36172	0.03231	0.36458	0.03045	0.00556	8.35%	0.03203	0.00596	0.03258	8.85%	1.65%	9.01%	5.4630	0.00915	4.66%
131.01	1		0.35100														
131.02	1		0.36850														
131.05	1		0.36450														
131.99	1		0.40000														
132.00	15	13	1.0597	0.01803	1.0568	0.02178	0.00412	2.06%	0.01663	0.00985	0.01933	1.57%	0.93%	1.82%	1.9626	0.01189	3.97%
132.01	1		0.99950														
132.02	2	0															
132.05	2	0															
132.99	1		1.0550														

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133.00	15	15	1.2881	0.04125	1.2861	0.02923	0.00534	2.27%	0.03917	0.01828	0.04322	3.04%	1.42%	3.36%	2.3646	0.02295	3.85%
133.05	2	0															
133.99	1		1.1800														
134.00	15	13	1.0964	0.02452	1.1005	0.02476	0.00468	2.25%	0.02202	0.01525	0.02679	2.01%	1.39%	2.44%	1.7561	0.01691	3.94%
134.01	1		1.1640														
134.02	2	0															
134.05	2	0															
134.99	1		1.0450														
135.00	15	14	0.91251	0.03194	0.91578	0.01589	0.00290	1.74%	0.03124	0.00941	0.03263	3.42%	1.03%	3.58%	3.4662	0.01133	4.05%
135.01	1		0.91000														
135.02	2	0															
135.05	2	0															
135.99	1		0.92000														
136.00	4	4	0.22786	0.02183	0.22786	0.02183	0.01091	9.58%	0.02118	0.00744	0.02245	9.30%	3.27%	9.85%	3.0175	0.00938	5.00%
136.01	4	4	0.22388	0.00957	0.22388	0.00957	0.00478	4.27%	0.00951	0.00154	0.00963	4.25%	0.69%	4.30%	6.2492	0.00175	5.01%
136.02	1		0.22000														
136.03	2	0															
136.99	2	0															
137.00	10	9	0.70501	0.04090	0.69865	0.04923	0.01101	7.05%	0.04062	0.00677	0.04118	5.76%	0.96%	5.84%	6.0817	0.00834	4.22%
137.01	1		0.69900														
137.02	2	0															
137.05	2	0															
137.99	1		0.76500														
138.00	15	14	1.1378	0.04558	1.1329	0.05397	0.00985	4.76%	0.04492	0.01096	0.04624	3.95%	0.96%	4.06%	4.2202	0.01551	3.93%
138.01	1		1.1050														
138.02	2	0															
138.05	2	0															
138.99	1		1.2550														
139.00	2	0															
139.02	2	0															
139.03	1		0.10130														
139.05	2	0															
139.99	1		0.08000														
141.00	1		0.00780														
160.99	6	6	0.21708	0.06238	0.21708	0.07073	0.02042	32.58%	0.06117	0.01723	0.06355	28.18%	7.94%	29.28%	3.6893	0.01683	5.03%
161.99	1		0.00000														
162.99	6	6	0.18600	0.04513	0.18600	0.05118	0.01477	27.52%	0.04359	0.01653	0.04662	23.44%	8.89%	25.06%	2.8199	0.01733	5.15%
163.99	3																
164.99	3	3	0.14310	0.08536	0.14310	0.08536	0.04928	59.65%	0.08524	0.00639	0.08548	59.57%	4.47%	59.73%	13.377	0.00767	5.36%
165.99	8	8	1.5224	0.23322	1.5279	0.18170	0.04542	11.89%	0.23089	0.04653	0.23553	15.17%	3.06%	15.47%	5.0616	0.04725	3.75%
166.99	2	0															
167.99	1		1.1230														
400.01	3	2	0.51975	0.00035	0.51975	0.00035	0.00025	0.07%		0.00150			0.29%			0.00183	



Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
400.99	4	4	0.52125	0.01479	0.52125	0.01479	0.00740	2.84%	0.01447	0.00433	0.01510	2.78%	0.83%	2.90%	3.4881	0.00450	
516.00	1		0.15500														
516.43	1		0.29610														
516.52	1		0.16000														
516.53	6	6	0.16751	0.02448	0.16733	0.01705	0.00492	10.19%	0.01982	0.02032	0.02839	11.83%	12.13%	16.95%	1.3970	0.02145	20.94%
518.41	2	0															
518.43	2																
518.53	6	5	0.04008	0.00322	0.04008	0.00322	0.00102	8.05%	0.00281	0.00223	0.00359	7.02%	5.56%	8.96%	1.6100	0.00224	22.00%
520.41	2	0															
520.43	3	3	3.8772	2.4305	3.8772	2.4305	1.4032	62.69%	2.4299	0.07133	2.4310	62.67%	1.84%	62.70%	34.082	0.08167	13.05%
520.52	1		0.98500														
520.53	4	4	1.1930	0.63171	1.1930	0.63171	0.31586	52.95%	0.61553	0.20090	0.64749	51.59%	16.84%	54.27%	3.2229	0.26393	15.58%
520.99	1		5.4450														
526.41	1		0.26500														
526.43	2																
526.52	1		0.32500														
526.53	6	5	0.17603	0.01707	0.17603	0.01707	0.00540	9.70%	0.01612	0.00794	0.01797	9.16%	4.51%	10.21%	2.2641	0.01026	20.78%
529.00	1		0.00000														
529.99	3																
539.41	1		2.3078														
539.43	1		3.2974														
539.52	1		2.0000														
539.53	3	3	4.5798	2.9586	4.5798	2.9586	1.7082	64.60%	2.9428	0.43163	2.9743	64.26%	9.42%	64.95%	6.8909	0.46197	12.72%
600.01	2																
600.11	1		2.0000														
600.98	1		0.70000														
610.01	1		100.00														
710.99	1		0.01200														
716.01	1		1.3750														
718.01	1		0.14000														
718.99	1		0.12050														
724.01	1		6.6250														
726.01	1		2.9100														
726.99	1		2.8475														
728.01	1		0.83500														
728.99	2	0															
736.99	2	0															
740.01	1		0.04000														
740.99	2	0															
746.02	1		0.01000														
746.99	1		0.01000														
750.99	3	0															0.00000
754.01	3	2	3.9850	4.4901	3.9850	4.4901	3.1750	112.68%	4.4901	0.00000	4.4901	112.68%	0.00%	112.68%		0.01333	

Method Code	Total # Labs Submitting	# Labs in Method Precision Calcs	Mean	SD	Assigned Value - Robust Mean	AAFCCO CS ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr	Average Range (R-bar)	Horwitz %RSD
754.02	1		0.82500														
754.99	3	2	0.86200	0.09617	0.86200	0.09617	0.06800	11.16%	0.09617	0.00000	0.09617	11.16%	0.00%	11.16%		0.00667	
756.01	3	1	2.8100		2.8100					0.00000			0.00%			0.03000	
756.02	1		2.8600														
756.99	3	2	2.9660	0.06505	2.9660	0.06505	0.04600	2.19%	0.06505	0.00000	0.06505	2.19%	0.00%	2.19%		0.00333	
758.01	2	0															
758.99	1		2.5640														
762.01	2	0															
762.99	1		6.8800														
766.01	2	0															
766.99	1		3.8060														