

AAFCO Check Sample Program
Method Performance & Summary Report



AAFCO
Check Sample Program



Sample # 201532
Fish Food
Regular Program

Labs Reporting: 201
Issue Date : 01/31/2016

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	7	6	8.5462	0.13635	8.5462	0.15463	0.04464	1.81%	0.13128	0.05212	0.14125	1.54%	0.61%	1.65%	2.7099	0.05677	2.90%
001.03	8	8	8.6688	0.13514	8.6731	0.14429	0.03607	1.66%	0.13507	0.00612	0.13521	1.56%	0.07%	1.56%	22.079	0.00750	2.89%
001.05	1		8.3000														
001.07	38	34	8.5789	0.26084	8.6039	0.22572	0.02660	2.62%	0.25448	0.08100	0.26706	2.97%	0.94%	3.11%	3.2969	0.08972	2.89%
001.08	2	0															
001.99	20	18	8.2889	0.62799	8.3067	0.43241	0.07015	5.21%	0.62553	0.07852	0.63044	7.55%	0.95%	7.61%	8.0295	0.10901	2.91%
002.00	4	4	31.946	0.75304	31.946	0.75304	0.37652	2.36%	0.73497	0.23192	0.77069	2.30%	0.73%	2.41%	3.3231	0.29750	1.77%
002.01	14	12	31.623	0.19440	31.559	0.13250	0.02598	0.42%	0.13208	0.20173	0.24112	0.42%	0.64%	0.76%	1.1953	0.21405	1.78%
002.02	3	3	32.025	0.39002	32.025	0.39002	0.22518	1.22%	0.38588	0.08012	0.39411	1.20%	0.25%	1.23%	4.9190	0.10497	1.77%
002.04	4	4	31.516	0.43750	31.516	0.43750	0.21875	1.39%	0.42800	0.12821	0.44679	1.36%	0.41%	1.42%	3.4849	0.15750	1.78%
002.05	33	29	31.642	0.27278	31.603	0.30529	0.03816	0.97%	0.26727	0.07711	0.27817	0.84%	0.24%	0.88%	3.6077	0.10771	1.78%
002.06	130	123	32.106	0.27603	32.096	0.27355	0.01703	0.85%	0.23264	0.21010	0.31347	0.72%	0.65%	0.98%	1.4920	0.24145	1.77%
002.08	2	0															
002.10	1		31.445														
002.11	7	6	33.088	0.82739	33.427	0.75641	0.20216	2.26%	0.82100	0.14511	0.83372	2.48%	0.44%	2.52%	5.7453	0.12857	1.73%
002.99	1		31.680														
003.00	8	8	3.8836	0.21525	3.9045	0.20692	0.05173	5.30%	0.20119	0.10822	0.22845	5.18%	2.79%	5.88%	2.1109	0.13963	3.26%
003.01	1		3.7026														
003.06	20	18	3.7332	0.14422	3.7349	0.14222	0.02307	3.81%	0.13867	0.05603	0.14956	3.71%	1.50%	4.01%	2.6694	0.06547	3.28%
003.09	20	18	3.7170	0.32191	3.6720	0.14151	0.02237	3.85%	0.31736	0.07621	0.32639	8.54%	2.05%	8.78%	4.2825	0.08089	3.29%
003.10	31	27	3.5356	0.27318	3.5329	0.27257	0.03519	7.71%	0.26904	0.06697	0.27725	7.61%	1.89%	7.84%	4.1402	0.09076	3.31%
003.11	6	5	6.0270	2.0548	6.0270	2.0548	0.64979	34.09%	2.0547	0.03391	2.0549	34.09%	0.56%	34.10%	60.597	0.04200	3.05%
003.12	7	6	3.6783	0.12545	3.6537	0.08772	0.02532	2.40%	0.12511	0.01291	0.12578	3.40%	0.35%	3.42%	9.7427	0.01667	3.29%
003.13	7	7	3.6949	0.22327	3.6949	0.25319	0.06767	6.85%	0.22033	0.05104	0.22617	5.96%	1.38%	6.12%	4.4309	0.05800	3.29%
003.14	35	31	3.7015	0.24341	3.6975	0.26120	0.03167	7.06%	0.23441	0.09271	0.25208	6.33%	2.50%	6.81%	2.7190	0.10459	3.29%
003.99	3	0														0.02000	
004.00	18	17	7.5033	0.60476	7.4682	0.50004	0.08334	6.70%	0.59864	0.12132	0.61081	7.98%	1.62%	8.14%	5.0348	0.15727	2.96%
004.01	2	0															
004.03	4	4	7.4204	1.5564	7.4204	1.5564	0.77821	20.97%	1.5458	0.25621	1.5669	20.83%	3.45%	21.12%	6.1158	0.26200	2.96%
004.06	30	28	7.3671	0.72478	7.5041	0.58334	0.07660	7.77%	0.71982	0.11964	0.72970	9.77%	1.62%	9.90%	6.0989	0.12891	2.95%
004.07	58	54	7.3986	0.93079	7.4235	0.86896	0.08139	11.71%	0.91230	0.26110	0.94893	12.33%	3.53%	12.83%	3.6343	0.29914	2.96%

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004.11	3	3	7.1483	3.0110	7.1483	3.0110	1.7384	42.12%	3.0107	0.05370	3.0112	42.12%	0.75%	42.12%	56.078	0.07000	2.97%
004.99	2	0															
005.00	95	89	8.7271	0.29914	8.7485	0.31170	0.02273	3.56%	0.29547	0.06601	0.30276	3.39%	0.76%	3.47%	4.5868	0.08373	2.89%
005.05	29	24	8.9746	0.19291	8.9920	0.16472	0.02242	1.83%	0.19023	0.04534	0.19556	2.12%	0.51%	2.18%	4.3136	0.06579	2.87%
005.11	6	6	9.5550	4.8192	8.6111	3.3125	0.95624	38.47%	4.8187	0.09635	4.8197	50.43%	1.01%	50.44%	50.022	0.10667	2.89%
005.99	8	8	8.8169	0.40667	8.8183	0.45853	0.11463	5.20%	0.38675	0.17778	0.42565	4.39%	2.02%	4.83%	2.3943	0.16625	2.88%
006.00	1		2.5700														
006.01	1		2.2450														
006.05	1		3.5950														
006.99	1		3.6000														
008.02	7	5	12.831	1.9679	13.239	2.4335	0.65038	18.38%	1.9656	0.13372	1.9702	15.32%	1.04%	15.35%	14.733	0.21926	2.71%
008.05	1		11.400														
008.08	38	36	13.302	2.7315	13.324	2.9629	0.34443	22.24%	2.7082	0.50306	2.7545	20.36%	3.78%	20.71%	5.4755	0.58712	2.71%
008.99	4	4	12.590	3.1107	12.590	3.1107	1.5554	24.71%	3.1103	0.06910	3.1111	24.70%	0.55%	24.71%	45.022	0.08000	2.73%
009.07	5	4	24.187	3.7518	24.187	3.7518	1.8759	15.51%	3.7506	0.13030	3.7529	15.51%	0.54%	15.52%	28.803	0.29768	2.03%
009.09	37	36	22.339	1.9979	22.345	2.0374	0.23684	9.12%	1.9555	0.57889	2.0394	8.75%	2.59%	9.13%	3.5230	0.63501	2.12%
009.99	2	0															
010.03	3	3	8.2233	0.29590	8.2233	0.29590	0.17084	3.60%	0.27660	0.14866	0.31402	3.36%	1.81%	3.82%	2.1123	0.17333	2.91%
010.11	5	5	9.1040	0.97003	9.1040	0.97003	0.43381	10.66%	0.96895	0.06496	0.97112	10.64%	0.71%	10.67%	14.949	0.07200	2.87%
010.99	19	17	8.5070	0.51382	8.4967	0.53682	0.08947	6.32%	0.50741	0.11451	0.52016	5.96%	1.35%	6.11%	4.5427	0.14971	2.90%
011.01	77	72	9.3767	0.30220	9.3840	0.30304	0.02474	3.23%	0.28914	0.12429	0.31472	3.08%	1.33%	3.36%	2.5322	0.13222	2.86%
011.02	1		9.1700														
011.03	1		8.5400														
011.99	4	4	9.0175	0.29559	9.0175	0.29559	0.14780	3.28%	0.24766	0.22820	0.33677	2.75%	2.53%	3.73%	1.4758	0.24000	2.87%
012.00	9	7	14.231	0.57037	14.145	0.65894	0.16473	4.66%	0.56871	0.06141	0.57202	4.00%	0.43%	4.02%	9.3144	0.10875	2.66%
012.01	8	6	12.452	1.1825	12.703	0.90348	0.24146	7.11%	1.1743	0.19616	1.1906	9.43%	1.58%	9.56%	6.0694	0.45290	2.73%
012.03	5	4	13.313	1.3333	13.313	1.3333	0.66664	10.01%	1.3311	0.10807	1.3355	10.00%	0.81%	10.03%	12.358	0.37024	2.71%
012.04	5	5	12.950	0.43691	12.950	0.43691	0.19539	3.37%	0.42159	0.16217	0.45171	3.26%	1.25%	3.49%	2.7853	0.19600	2.72%
012.11	4	4	12.670	1.5010	12.670	1.5010	0.75049	11.85%	1.4610	0.48639	1.5399	11.53%	3.84%	12.15%	3.1659	0.50000	2.73%
013.00	20	17	6.3155	0.47440	6.2684	0.41358	0.06709	6.60%	0.47245	0.06082	0.47635	7.48%	0.96%	7.54%	7.8321	0.07458	3.03%
013.02	28	26	6.8857	0.49598	6.9366	0.49422	0.06604	7.12%	0.48082	0.17211	0.51069	6.98%	2.50%	7.42%	2.9673	0.21169	2.99%
013.08	1		3.5450														
013.10	9	7	6.0875	0.34525	6.1428	0.37422	0.08820	6.09%	0.34022	0.08307	0.35021	5.59%	1.36%	5.75%	4.2160	0.13344	3.04%
013.12	1		5.5900														
013.13	5	4	7.4611	0.78579	7.4611	0.78579	0.39289	10.53%	0.78510	0.04627	0.78647	10.52%	0.62%	10.54%	16.996	0.16540	2.96%
015.41	5	5	186.60	14.501	186.60	14.501	6.4852	7.77%	14.087	4.8667	14.904	7.55%	2.61%	7.99%	3.0624	6.4748	7.28%
015.42	1		168.35														
015.43	6	6	151.79	17.348	151.79	19.673	5.6790	12.96%	16.848	5.8467	17.834	11.10%	3.85%	11.75%	3.0503	6.1187	7.51%
015.53	1		186.50														
017.41	2	0															
017.42	5	4	7.3010	0.27318	7.3010	0.27318	0.13659	3.74%	0.16381	0.30917	0.34988	2.24%	4.23%	4.79%	1.1317	0.29320	11.86%
017.43	7	5	7.8424	1.8795	8.0874	1.9317	0.55763	23.88%	1.7475	0.97859	2.0029	22.28%	12.48%	25.54%	2.0467	1.7794	11.68%
019.00	16	14	1.7831	0.05544	1.7883	0.04729	0.00836	2.64%	0.05420	0.01653	0.05666	3.04%	0.93%	3.18%	3.4275	0.02526	3.66%

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019.02	1		1.6350														
019.03	1		1.8507														
019.08	10	9	1.7438	0.03518	1.7441	0.03945	0.00930	2.26%	0.02684	0.03215	0.04188	1.54%	1.84%	2.40%	1.3026	0.03147	3.68%
019.09	1		1.6080														
019.31	23	19	1.7464	0.04098	1.7459	0.03643	0.00562	2.09%	0.03942	0.01583	0.04248	2.26%	0.91%	2.43%	2.6842	0.02139	3.68%
019.32	4	4	1.7760	0.07533	1.7760	0.07533	0.03767	4.24%	0.07400	0.01993	0.07664	4.17%	1.12%	4.32%	3.8446	0.02270	3.67%
019.41	33	31	1.7683	0.09067	1.7805	0.06235	0.00779	3.50%	0.08917	0.02323	0.09215	5.04%	1.31%	5.21%	3.9664	0.02766	3.67%
019.42	25	24	1.8118	0.08539	1.8055	0.10138	0.01434	5.61%	0.08067	0.03962	0.08987	4.45%	2.19%	4.96%	2.2684	0.04441	3.66%
019.43	17	16	1.7935	0.12943	1.8051	0.15206	0.02608	8.42%	0.12767	0.03007	0.13116	7.12%	1.68%	7.31%	4.3621	0.03787	3.66%
019.44	1		1.7600														
019.52	1		1.7146														
019.53	3	3	1.8003	0.14093	1.8003	0.14093	0.08136	7.83%	0.13139	0.07208	0.14986	7.30%	4.00%	8.32%	2.0790	0.08133	3.66%
019.99	4	4	1.8613	0.16943	1.8613	0.16943	0.08471	9.10%	0.16462	0.05668	0.17410	8.84%	3.05%	9.35%	3.0718	0.06750	3.64%
021.31	4	4	2.0963	0.24878	2.0963	0.24878	0.12439	11.87%	0.15727	0.27260	0.31472	7.50%	13.00%	15.01%	1.1545	0.32750	14.31%
021.41	2	0															
021.42	4	3	0.82483	0.66115	0.82483	0.66115	0.38171	80.16%	0.66111	0.00950	0.66118	80.15%	1.15%	80.16%	69.630	0.06288	16.47%
021.43	5	5	1.4891	0.19575	1.4891	0.19575	0.08754	13.14%	0.19241	0.05089	0.19902	12.92%	3.42%	13.37%	3.9113	0.05644	15.07%
021.52	3	3	0.91667	0.42004	0.91667	0.42004	0.24251	45.82%	0.41505	0.09129	0.42497	45.28%	9.96%	46.36%	4.6553	0.10000	16.21%
021.53	3	3	0.78695	0.24821	0.78695	0.24821	0.14330	31.54%	0.24735	0.02909	0.24906	31.43%	3.70%	31.65%	8.5627	0.03110	16.58%
022.31	13	12	15.965	1.5268	16.110	1.5296	0.29998	9.49%	1.4781	0.54093	1.5740	9.26%	3.39%	9.86%	2.9098	0.60692	10.53%
022.32	3	3	20.443	2.8609	20.443	2.8609	1.6517	13.99%	2.7237	1.2378	2.9918	13.32%	6.06%	14.63%	2.4169	1.1467	10.16%
022.33	1		16.910														
022.41	26	23	16.251	1.3800	16.509	1.6160	0.22854	9.79%	1.2672	0.77269	1.4842	7.80%	4.75%	9.13%	1.9208	0.97052	10.49%
022.42	20	18	17.460	2.2618	16.969	1.0032	0.15861	5.91%	2.2319	0.51768	2.2912	12.78%	2.96%	13.12%	4.4259	0.57373	10.45%
022.43	15	13	16.234	1.1881	16.498	1.2406	0.22650	7.52%	1.1577	0.37755	1.2177	7.13%	2.33%	7.50%	3.2252	0.60119	10.49%
022.44	1		14.750														
022.52	1		16.500														
022.53	2	0															
022.99	2	0															
023.01	1		11.650														
024.03	1		0.75000														
025.31	17	16	415.69	28.752	411.74	33.189	5.6919	8.06%	28.357	6.7148	29.141	6.82%	1.62%	7.01%	4.3398	6.9635	6.46%
025.32	2	0															
025.33	1		467.43														
025.41	26	23	395.14	22.694	394.83	24.664	3.4203	6.25%	21.533	10.134	23.799	5.45%	2.56%	6.02%	2.3485	11.971	6.51%
025.42	19	16	348.38	62.316	351.33	48.460	7.8613	13.79%	61.733	12.037	62.895	17.72%	3.46%	18.05%	5.2253	17.779	6.62%
025.43	15	14	386.50	32.947	388.85	31.995	6.0465	8.23%	32.486	7.7708	33.402	8.41%	2.01%	8.64%	4.2985	8.9575	6.52%
025.52	2	0															
025.53	1		395.50														
025.99	2	0															
027.31	17	16	0.37358	0.01047	0.37211	0.01201	0.00206	3.23%	0.00844	0.00875	0.01216	2.26%	2.34%	3.26%	1.3891	0.00933	4.64%
027.32	4	4	0.37280	0.01277	0.37280	0.01277	0.00639	3.43%	0.01250	0.00371	0.01304	3.35%	0.99%	3.50%	3.5169	0.00350	4.64%
027.33	1		0.39500														

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027.41	28	25	0.37447	0.01263	0.37763	0.01226	0.00164	3.25%	0.01171	0.00670	0.01349	3.13%	1.79%	3.60%	2.0149	0.00806	4.63%
027.42	23	23	0.38302	0.02203	0.38204	0.02051	0.00302	5.37%	0.02116	0.00863	0.02286	5.53%	2.25%	5.97%	2.6479	0.00938	4.62%
027.43	15	15	0.38084	0.02290	0.38084	0.02596	0.00474	6.82%	0.02271	0.00407	0.02308	5.96%	1.07%	6.06%	5.6700	0.00395	4.63%
027.44	1		0.35850														
027.52	1		0.36105														
027.53	3	3	0.39805	0.00933	0.39805	0.00933	0.00539	2.34%		0.02105			5.29%			0.02477	4.59%
027.99	3	3	0.41000	0.02646	0.41000	0.02646	0.01528	6.45%		0.05774			14.08%			0.05333	4.57%
028.31	14	11	68.913	2.0332	68.841	2.0043	0.39307	2.91%	1.9537	0.79621	2.1097	2.84%	1.16%	3.06%	2.6497	1.2117	8.46%
028.32	3	3	74.653	4.6595	74.653	4.6595	2.6901	6.24%	3.5033	4.3445	5.5810	4.69%	5.82%	7.48%	1.2846	5.1667	8.36%
028.33	1		78.310														
028.41	25	22	68.530	2.7686	68.530	3.3766	0.48737	4.93%	2.6747	1.0110	2.8594	3.90%	1.48%	4.17%	2.8283	1.4193	8.47%
028.42	23	19	69.640	3.6153	69.394	3.0805	0.47532	4.44%	3.3958	1.7543	3.8222	4.88%	2.52%	5.49%	2.1787	2.2143	8.45%
028.43	15	13	69.382	3.9111	69.109	4.2352	0.80038	6.13%	3.8616	0.87700	3.9600	5.57%	1.26%	5.71%	4.5153	1.0328	8.46%
028.44	1		67.600														
028.52	1		69.000														
028.53	3	3	69.385	0.67212	69.385	0.67212	0.38805	0.97%		2.8248			4.07%			3.8407	8.45%
028.99	2	0															
031.00	1		0.89500														
031.01	49	45	0.86152	0.03315	0.85835	0.02122	0.00217	2.47%	0.03210	0.01170	0.03417	3.73%	1.36%	3.97%	2.9213	0.01494	4.09%
031.02	3	2	0.87415	0.00827	0.87415	0.00827	0.00585	0.95%	0.00827	0.00030	0.00828	0.95%	0.03%	0.95%	27.586	0.00353	4.08%
031.03	4	3	0.85773	0.02864	0.85773	0.02864	0.01653	3.34%	0.02863	0.00083	0.02865	3.34%	0.10%	3.34%	34.402	0.01310	4.09%
031.06	2	0															
031.41	30	27	0.87624	0.04710	0.87716	0.02688	0.00359	3.06%	0.04656	0.00998	0.04762	5.31%	1.14%	5.43%	4.7710	0.01070	4.08%
031.42	25	25	0.86045	0.03838	0.86025	0.03681	0.00521	4.28%	0.03639	0.01725	0.04027	4.23%	2.01%	4.68%	2.3341	0.01765	4.09%
031.43	20	17	0.90019	0.05265	0.89175	0.04177	0.00660	4.68%	0.05189	0.01263	0.05340	5.76%	1.40%	5.93%	4.2285	0.01468	4.07%
031.44	2	0															
031.53	3	2	0.84758	0.00152	0.84758	0.00152	0.00107	0.18%		0.01610			1.90%			0.04523	4.10%
031.99	5	5	0.86800	0.03667	0.86800	0.03667	0.01640	4.23%	0.03413	0.01897	0.03905	3.93%	2.19%	4.50%	2.0582	0.02400	4.09%
032.02	1		0.92500														
032.08	1		1.0445														
032.31	16	16	0.97473	0.06562	0.98400	0.05402	0.00955	5.49%	0.06391	0.02103	0.06728	6.56%	2.16%	6.90%	3.1990	0.02227	4.01%
032.32	3	2	1.0054	0.02068	1.0054	0.02068	0.01463	2.06%	0.02068	0.00035	0.02068	2.06%	0.03%	2.06%	59.098	0.00357	4.00%
032.41	28	24	0.99678	0.05923	1.0006	0.06917	0.00941	6.91%	0.05825	0.01513	0.06018	5.84%	1.52%	6.04%	3.9783	0.01773	4.00%
032.42	22	20	1.0204	0.05837	1.0311	0.05889	0.00888	5.71%	0.05586	0.02393	0.06077	5.47%	2.35%	5.96%	2.5394	0.02660	3.98%
032.43	15	13	1.0094	0.04526	1.0234	0.03977	0.00726	3.89%	0.04232	0.02272	0.04803	4.19%	2.25%	4.76%	2.1141	0.03294	3.99%
032.44	1		0.99150														
032.52	1		0.98495														
032.53	3	3	1.0353	0.06694	1.0353	0.06694	0.03865	6.47%	0.06157	0.03714	0.07191	5.95%	3.59%	6.95%	1.9360	0.03533	3.98%
032.99	3	2	0.90250	0.18031	0.90250	0.18031	0.12750	19.98%	0.18028	0.00500	0.18035	19.98%	0.55%	19.98%	36.069	0.03333	4.06%
033.00	17	16	0.90249	0.08347	0.91586	0.08694	0.01491	9.49%	0.08191	0.02277	0.08501	9.08%	2.52%	9.42%	3.7339	0.02452	4.05%
033.01	22	20	0.97568	0.02648	0.97503	0.01963	0.00303	2.01%	0.02554	0.00989	0.02739	2.62%	1.01%	2.81%	2.7699	0.01016	4.01%
033.03	3	3	0.87167	0.06371	0.87167	0.06371	0.03678	7.31%	0.06285	0.01472	0.06455	7.21%	1.69%	7.41%	4.3853	0.01667	4.08%
033.05	2	0															

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033.99	7	6	1.0811	0.32916	1.0775	0.36360	0.10496	33.75%	0.32891	0.01814	0.32941	30.42%	1.68%	30.47%	18.157	0.02197	3.96%
034.01	1		0.55100														
034.04	4	4	0.50375	0.09232	0.50375	0.09232	0.04616	18.33%	0.09188	0.01275	0.09276	18.24%	2.53%	18.41%	7.2766	0.01250	17.74%
034.41	1		0.34900														
034.42	1		1.1500														
034.52	3	3	0.54217	0.02649	0.54217	0.02649	0.01529	4.89%		0.03922			7.23%			0.04567	17.54%
034.53	4	3	0.67652	0.15782	0.67652	0.15782	0.09112	23.33%	0.15585	0.03514	0.15977	23.04%	5.19%	23.62%	4.5466	0.06733	16.97%
034.99	2	0															
035.01	2	0															
035.05	2	0															
035.31	20	19	0.46305	0.03110	0.46290	0.03042	0.00481	6.57%	0.03070	0.00702	0.03150	6.63%	1.52%	6.80%	4.4854	0.00804	4.49%
035.32	4	4	0.43981	0.07055	0.43981	0.07055	0.03527	16.04%	0.07020	0.00991	0.07089	15.96%	2.25%	16.12%	7.1572	0.01338	4.53%
035.41	31	27	0.46633	0.02645	0.46121	0.02853	0.00368	6.19%	0.02540	0.01040	0.02745	5.45%	2.23%	5.89%	2.6394	0.01126	4.49%
035.42	20	18	0.46094	0.02460	0.46229	0.02365	0.00374	5.12%	0.02337	0.01086	0.02577	5.07%	2.36%	5.59%	2.3728	0.01621	4.49%
035.43	14	12	0.46963	0.02344	0.46534	0.02429	0.00459	5.22%	0.02294	0.00681	0.02393	4.88%	1.45%	5.10%	3.5138	0.00905	4.49%
035.51	1		0.47500														
035.52	1		0.43835														
035.53	2	0															
035.99	3	3	0.42167	0.10681	0.42167	0.10681	0.06167	25.33%	0.10614	0.01683	0.10747	25.17%	3.99%	25.49%	6.3847	0.01667	4.55%
036.04	5	5	0.57368	0.03137	0.57368	0.03137	0.01403	5.47%	0.03042	0.01084	0.03229	5.30%	1.89%	5.63%	2.9803	0.01240	4.35%
036.42	24	22	0.57140	0.04073	0.56556	0.03820	0.00551	6.75%	0.04016	0.00962	0.04130	7.03%	1.68%	7.23%	4.2941	0.01315	4.36%
036.43	11	10	0.57439	0.02603	0.57439	0.02952	0.00660	5.14%	0.02579	0.00497	0.02627	4.49%	0.87%	4.57%	5.2816	0.00503	4.35%
036.53	1		0.53335														
036.99	2	0															
037.31	14	14	204.68	8.2109	204.97	8.6620	1.6370	4.23%	7.6455	4.2342	8.7397	3.74%	2.07%	4.27%	2.0641	4.2419	7.18%
037.32	3	3	196.45	18.196	196.45	18.196	10.505	9.26%	17.995	3.8099	18.394	9.16%	1.94%	9.36%	4.8280	5.2333	7.23%
037.33	1		189.30														
037.41	26	25	200.80	9.0586	200.48	8.5529	1.2096	4.27%	8.7829	3.1365	9.3262	4.37%	1.56%	4.64%	2.9734	3.6026	7.20%
037.42	23	21	194.49	23.366	198.16	9.5867	1.4135	4.84%	23.062	5.3096	23.666	11.86%	2.73%	12.17%	4.4571	6.2234	7.22%
037.43	15	14	202.33	19.784	202.55	19.446	3.5504	9.60%	19.577	4.0343	19.988	9.68%	1.99%	9.88%	4.9546	4.6165	7.19%
037.44	1		196.50														
037.52	1		28.000														
037.53	3	3	211.42	11.125	211.42	11.125	6.4232	5.26%	9.1449	8.9600	12.803	4.33%	4.24%	6.06%	1.4289	9.4333	7.15%
037.99	3	3	219.00	7.0000	219.00	7.0000	4.0415	3.20%	6.5828	3.3665	7.3937	3.01%	1.54%	3.38%	2.1963	4.6667	7.11%
038.41	2	0															
038.42	3	3	0.97110	0.13568	0.97110	0.13568	0.07833	13.97%	0.12585	0.07169	0.14484	12.96%	7.38%	14.92%	2.0202	0.07033	16.07%
038.43	7	7	0.86489	0.15274	0.86041	0.15398	0.04115	17.90%	0.15042	0.03746	0.15502	17.39%	4.33%	17.92%	4.1383	0.04214	16.36%
038.52	1		1.1500														
038.53	4	3	0.83665	0.12732	0.83665	0.12732	0.07351	15.22%	0.11883	0.06464	0.13527	14.20%	7.73%	16.17%	2.0929	0.17628	16.43%
040.42	2	0															
040.43	1		6.6900														
040.52	1		6.5000														
040.53	1		6.1778														

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041.52	1		0.52500														
041.53	1		0.70000														
042.00	1		0.55000														
042.99	1		0.57000														
101.01	1		1,417.0														
101.02	1		1,330.0														
102.01	1		116.00														
102.02	1		64.445														
103.01	1		32.750														
103.02	1		38.140														
104.00	2	0															
104.03	2	0															
105.00	3	3	4.8867	0.63032	4.8867	0.63032	0.36392	12.90%	0.55758	0.41573	0.69550	11.41%	8.51%	14.23%	1.6730	0.47333	12.60%
105.01	1		6.7150														
106.01	1		2.8050														
106.02	15	14	2.6791	1.1542	2.4763	0.92896	0.16960	37.51%	1.1459	0.19520	1.1624	42.77%	7.29%	43.39%	5.9550	0.24534	
108.01	1		0.45000														
108.02	4	3	1.1317	0.20599	1.1317	0.20599	0.11893	18.20%	0.11551	0.24121	0.26744	10.21%	21.31%	23.63%	1.1087	0.38250	
109.02	20	18	102.74	20.129	102.36	17.507	2.8400	17.10%	19.946	3.8270	20.310	19.41%	3.72%	19.77%	5.3069	4.8868	
111.00	1		123.49														
111.01	1		61.600														
111.99	1		81.750														
112.00	1		8.3200														
112.01	3	3	8.3783	4.6928	8.3783	4.6928	2.7094	56.01%	4.6918	0.13693	4.6938	56.00%	1.63%	56.02%	34.279	0.18333	
113.01	2	0															
114.01	1		1.0400														
120.00	11	11	1.5242	0.04074	1.5257	0.04275	0.00912	2.80%	0.03983	0.01214	0.04164	2.61%	0.80%	2.73%	3.4291	0.01443	3.75%
120.01	1		1.3835														
120.02	1		1.5890														
120.05	2	0															
120.99	1		1.4800														
121.00	12	12	2.4637	0.08179	2.4625	0.07147	0.01459	2.90%	0.07929	0.02839	0.08422	3.22%	1.15%	3.42%	2.9666	0.03147	3.49%
121.01	1		2.5545														
121.02	1		2.4595														
121.05	2	0															
121.99	1		2.7650														
122.00	12	12	2.4055	0.08626	2.3979	0.08077	0.01649	3.37%	0.08504	0.02048	0.08747	3.54%	0.85%	3.64%	4.2717	0.02250	3.51%
122.01	1		2.2245														
122.02	1		2.4615														
122.05	2	0															
122.99	1		2.0350														
124.00	12	11	0.93139	0.05324	0.94212	0.06360	0.01298	6.75%	0.05206	0.01577	0.05440	5.59%	1.69%	5.84%	3.4491	0.01683	4.04%
124.01	1		0.96850														

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124.02	1		1.0680														
124.05	1		0.80000														
124.99	1		0.65500														
125.00	12	12	5.0779	0.13399	5.0830	0.13049	0.02664	2.57%	0.13000	0.04586	0.13785	2.56%	0.90%	2.71%	3.0061	0.05706	3.13%
125.01	1		4.9875														
125.02	1		5.0305														
125.05	2	0															
125.99	1		4.8600														
126.00	12	12	1.7600	0.05825	1.7564	0.03284	0.00670	1.87%	0.05636	0.02077	0.06007	3.20%	1.18%	3.41%	2.8915	0.02417	3.67%
126.01	1		1.7300														
126.02	1		1.8055														
126.05	2	0															
126.99	1		2.0000														
127.00	12	11	0.63897	0.02489	0.63989	0.02716	0.00554	4.24%	0.02339	0.01204	0.02631	3.66%	1.88%	4.12%	2.1848	0.01718	4.28%
127.01	1		0.25850														
127.02	1		0.63150														
127.05	2	0															
127.99	1		0.82000														
128.00	12	11	1.2254	0.03451	1.2205	0.02967	0.00606	2.43%	0.03364	0.01087	0.03535	2.75%	0.89%	2.88%	3.2529	0.01548	3.88%
128.01	1		1.1835														
128.02	1		1.2485														
128.05	2	0															
128.99	1		1.2000														
129.00	12	12	2.3881	0.07502	2.3862	0.06262	0.01278	2.62%	0.07354	0.02091	0.07646	3.08%	0.88%	3.20%	3.6563	0.02566	3.51%
129.01	1		2.1895														
129.02	1		2.4635														
129.05	2	0															
129.99	1		2.4550														
130.00	12	11	1.0254	0.04362	1.0254	0.03466	0.00739	3.38%	0.04282	0.01177	0.04441	4.18%	1.15%	4.33%	3.7727	0.01435	3.98%
130.01	1		0.94400														
130.02	1		1.0895														
130.05	3	3	0.99017	0.01575	0.99017	0.01575	0.00909	1.59%	0.01359	0.01126	0.01765	1.37%	1.14%	1.78%	1.5672	0.01300	4.01%
130.99	2	0															
131.00	12	12	0.39899	0.03611	0.39740	0.03666	0.00748	9.22%	0.03585	0.00611	0.03637	8.99%	1.53%	9.12%	5.9534	0.00641	4.60%
131.01	1		0.38300														
131.02	1		0.38350														
131.05	2	0															
131.99	1		0.35000														
132.00	12	12	1.5276	0.05113	1.5311	0.04609	0.00941	3.01%	0.04984	0.01615	0.05239	3.26%	1.06%	3.43%	3.2439	0.01891	3.75%
132.01	1		1.4925														
132.02	1		1.5575														
132.05	2	0															
132.99	1		1.5450														

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133.00	12	9	2.2106	0.09660	2.2128	0.13756	0.02933	6.22%	0.09518	0.02330	0.09799	4.31%	1.05%	4.43%	4.2054	0.03350	3.55%
133.05	2	0															
133.99	1		2.5800														
134.00	12	11	2.1810	0.07490	2.1796	0.05139	0.01049	2.36%	0.07362	0.01954	0.07617	3.38%	0.90%	3.49%	3.8973	0.02216	3.56%
134.01	1		2.5495														
134.02	1		2.1515														
134.05	2	0															
134.99	1		2.4150														
135.00	12	11	1.2347	0.05405	1.2406	0.06260	0.01278	5.05%	0.05288	0.01583	0.05520	4.28%	1.28%	4.47%	3.4868	0.02098	3.87%
135.01	1		1.3335														
135.02	1		1.2390														
135.05	2	0															
135.99	1		1.2850														
136.00	7	6	0.33972	0.02622	0.33699	0.02707	0.00724	8.03%	0.02567	0.00755	0.02676	7.56%	2.22%	7.88%	3.5437	0.01383	4.71%
136.01	3	3	0.29417	0.03363	0.29417	0.03363	0.01942	11.43%	0.03361	0.00187	0.03366	11.42%	0.64%	11.44%	17.991	0.00233	4.81%
136.02	1		0.31500														
136.03	1		0.30350														
136.99	1		0.20500														
137.00	9	9	0.90003	0.15024	0.90937	0.13480	0.03177	14.82%	0.14954	0.02055	0.15095	16.62%	2.28%	16.77%	7.3470	0.02022	4.06%
137.01	1		0.90600														
137.02	1		0.88900														
137.05	2	0															
137.99	1		1.0050														
138.00	12	12	1.7755	0.06018	1.7787	0.06208	0.01267	3.49%	0.05581	0.03181	0.06424	3.14%	1.79%	3.62%	2.0195	0.03277	3.67%
138.01	1		1.7205														
138.02	1		1.8130														
138.05	2	0															
138.99	1		1.6250														
139.02	1		0.00000														
160.99	5	5	0.24020	0.09232	0.24020	0.09232	0.04129	38.43%	0.09000	0.02909	0.09458	37.47%	12.11%	39.38%	3.2518	0.03320	4.96%
162.99	5	5	0.21780	0.15360	0.21780	0.15360	0.06869	70.52%	0.15232	0.02790	0.15486	69.94%	12.81%	71.10%	5.5505	0.03040	5.03%
163.99	1		0.00000														
164.99	1		0.36950														
165.99	6	6	1.0479	0.07966	1.0487	0.08882	0.02564	8.47%	0.05740	0.07813	0.09694	5.48%	7.46%	9.25%	1.2409	0.08150	3.97%
166.99	4	4	1.1719	0.24164	1.1719	0.24164	0.12082	20.62%	0.23958	0.04457	0.24369	20.44%	3.80%	20.79%	5.4681	0.05075	3.91%
167.99	3	3	0.40783	0.24678	0.40783	0.24678	0.14248	60.51%	0.24649	0.01692	0.24707	60.44%	4.15%	60.58%	14.605	0.01567	4.58%
400.01	3	3	0.54697	0.03247	0.54697	0.03247	0.01874	5.94%	0.03231	0.00454	0.03262	5.91%	0.83%	5.96%	7.1890	0.00420	
400.99	1		0.52700														
516.00	1		0.13500														
516.43	1		0.27810														
516.52	2	0															
516.53	5	5	0.18139	0.03285	0.18139	0.03285	0.01469	18.11%	0.03057	0.01700	0.03498	16.85%	9.37%	19.29%	2.0573	0.02022	20.68%
518.41	2	0															

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
518.43	1		0.06660														
518.52	2	0															
518.53	5	5	0.07372	0.00775	0.07372	0.00775	0.00347	10.51%	0.00732	0.00359	0.00816	9.93%	4.87%	11.06%	2.2710	0.00452	22.00%
520.41	2	0															
520.42	1		1.5000														
520.43	3	3	4.7031	0.32509	4.7031	0.32509	0.18769	6.91%	0.30997	0.13859	0.33954	6.59%	2.95%	7.22%	2.4500	0.19593	12.67%
520.52	1		3.4000														
520.53	3	3	3.3560	1.5610	3.3560	1.5610	0.90123	46.51%	1.5507	0.25274	1.5712	46.21%	7.53%	46.82%	6.2165	0.28913	13.33%
520.99	1		3.6005														
526.31	2	0															
526.43	1		0.10795														
526.52	2																
526.53	5	5	0.12770	0.02058	0.12770	0.02058	0.00921	16.12%	0.02028	0.00496	0.02088	15.88%	3.89%	16.35%	4.2056	0.00660	21.80%
529.99	2																
539.41	1		2.6858														
539.43	2	0															
539.52	1		3.3500														
539.53	2	0															
600.01	1		2.0500														
600.20	1		0.00000														
600.98	1		4.0500														
710.99	1		0.00350														
716.01	1		20.935														
718.01	1		1.5850														
718.99	1		0.07850														
724.01	1		24.290														
726.01	1		44.630														
726.99	1		2.6800														
728.01	1		1.7850														
728.99	1		0.10700														
736.99	1		0.00600														
740.01	1		0.00000														
740.99	1		0.00100														
746.99	1		0.00100														
750.99	1		0.00000														
754.01	1		1.7900														
754.99	1		0.11000														
756.01	1		44.805														
756.99	1		2.6950														
758.01	1		26.955														
762.01	1		26.379														
766.01	1		46.160														