



**AAFCO**  
Association of American Feed Control Officials



**Animal Feed Scheme**

**Beef Feed, Medicated**

**Test Material Code # 202329**

**Method Proficiency Testing Report**

**# Labs Reporting: 167**

**# Methods Reported 391**

**Issue Date : 10/31/2023**

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	1.050	0.3000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	8.880	0.0000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	8.988	0.0020				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	9.065	0.0100				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0407	16.54	0.0203				3			2
001.03	Loss on Drying, Low temp. methods (%)	0619	9.035	0.0900				2			0
001.03	Loss on Drying, Low temp. methods (%)	0843	9.505	0.3700				2			0
001.05	Loss on Drying, LECO (%)	0644	9.033	0.0220				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	7.610	0.3200	8.884	0.2764	0.1362	46	-4.61	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2195	8.015	0.0100	8.884	0.2764	0.1362	46	-3.14	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2442	8.150	0.0400	8.884	0.2764	0.1362	46	-2.65	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	8.380	0.2200	8.884	0.2764	0.1362	46	-1.82	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0643	8.410	0.0010	8.884	0.2764	0.1362	46	-1.72	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	8.520	0.2800	8.884	0.2764	0.1362	46	-1.32	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	8.600	0.0800	8.884	0.2764	0.1362	46	-1.03	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0148	8.650	0.0600	8.884	0.2764	0.1362	46	-0.85	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	8.665	0.4900	8.884	0.2764	0.1362	46	-0.79	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2259	8.672	0.0310	8.884	0.2764	0.1362	46	-0.77	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	8.695	1.190	8.884	0.2764	0.1362	46	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	8.740	0.0200	8.884	0.2764	0.1362	46	-0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	8.750	0.5000	8.884	0.2764	0.1362	46	-0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0853	8.750	0.7000	8.884	0.2764	0.1362	46	-0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	8.755	0.2700	8.884	0.2764	0.1362	46	-0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	8.760	0.0000	8.884	0.2764	0.1362	46	-0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	8.772	0.0366	8.884	0.2764	0.1362	46	-0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2192	8.785	0.0300	8.884	0.2764	0.1362	46	-0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	8.815	0.3500	8.884	0.2764	0.1362	46	-0.25	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0596	8.840	0.0200	8.884	0.2764	0.1362	46	-0.16	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	8.865	0.2300	8.884	0.2764	0.1362	46	-0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	8.880	0.2800	8.884	0.2764	0.1362	46	-0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0345	8.885	0.1100	8.884	0.2764	0.1362	46	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	8.885	0.3300	8.884	0.2764	0.1362	46	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2190	8.915	0.0100	8.884	0.2764	0.1362	46	0.11	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2345	8.920	0.0800	8.884	0.2764	0.1362	46	0.13	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	8.940	0.0000	8.884	0.2764	0.1362	46	0.20	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	8.955	0.0100	8.884	0.2764	0.1362	46	0.26	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2144	8.975	0.0100	8.884	0.2764	0.1362	46	0.33	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	8.980	0.0800	8.884	0.2764	0.1362	46	0.35	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0505	8.995	0.0700	8.884	0.2764	0.1362	46	0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	9.005	0.0300	8.884	0.2764	0.1362	46	0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	9.011	0.0005	8.884	0.2764	0.1362	46	0.46	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	9.055	0.0500	8.884	0.2764	0.1362	46	0.62	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	9.090	0.0800	8.884	0.2764	0.1362	46	0.75	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	9.100	0.0000	8.884	0.2764	0.1362	46	0.78	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	9.115	0.0300	8.884	0.2764	0.1362	46	0.84	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	9.115	0.0700	8.884	0.2764	0.1362	46	0.84	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	9.135	0.0100	8.884	0.2764	0.1362	46	0.91	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2109	9.150	0.0200	8.884	0.2764	0.1362	46	0.96	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0033	9.185	0.0500	8.884	0.2764	0.1362	46	1.09	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2146	9.190	0.0000	8.884	0.2764	0.1362	46	1.11	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	9.295	0.1100	8.884	0.2764	0.1362	46	1.49	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	9.315	0.3700	8.884	0.2764	0.1362	46	1.56	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	9.370	0.0600	8.884	0.2764	0.1362	46	1.76	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	9.505	0.3700	8.884	0.2764	0.1362	46	2.25	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	49.96	81.75	8.884	0.2764	0.1362	46	>100	231%	2
001.99	Loss on Drying, Miscellaneous (%)	0618	7.265	0.2100	8.789	0.7530	0.1083	15	-2.02	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.680	0.0000	8.789	0.7530	0.1083	15	-1.47	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0186	7.838	0.1198	8.789	0.7530	0.1083	15	-1.26	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0596	8.085	0.0700	8.789	0.7530	0.1083	15	-0.93	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0610	8.650	0.0000	8.789	0.7530	0.1083	15	-0.18	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	8.880	0.0200	8.789	0.7530	0.1083	15	0.12	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	8.950	0.1000	8.789	0.7530	0.1083	15	0.21	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	9.040	0.0000	8.789	0.7530	0.1083	15	0.33	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2319	9.050	0.1000	8.789	0.7530	0.1083	15	0.35	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	9.120	0.3800	8.789	0.7530	0.1083	15	0.44	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2246	9.135	0.0100	8.789	0.7530	0.1083	15	0.46	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0914	9.240	0.1400	8.789	0.7530	0.1083	15	0.60	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0560	9.260	0.1200	8.789	0.7530	0.1083	15	0.63	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	9.485	0.1100	8.789	0.7530	0.1083	15	0.92	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	9.760	0.0858	8.789	0.7530	0.1083	15	1.29	6%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	7.830	0.8200	8.789	0.7530	0.1083	15	-1.27	5%	1
002.00	Protein, Crude, Crude (%)	0169	33.55	0.7300				2			0
002.00	Protein, Crude, Crude (%)	2433	34.05	0.3000				2			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2442	33.70	0.0500	34.08	0.2896	0.1915	14	-1.34	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0610	33.75	0.3000	34.08	0.2896	0.1915	14	-1.15	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.01	Protein, Crude, Auto Kjell-Foss (%)	2434	33.82	0.0200	34.08	0.2896	0.1915	14	-0.91	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0685	33.88	0.3000	34.08	0.2896	0.1915	14	-0.70	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0870	33.94	0.5400	34.08	0.2896	0.1915	14	-0.49	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0968	34.05	0.2300	34.08	0.2896	0.1915	14	-0.13	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2259	34.05	0.2070	34.08	0.2896	0.1915	14	-0.12	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2195	34.09	0.0500	34.08	0.2896	0.1915	14	0.01	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2325	34.16	0.0100	34.08	0.2896	0.1915	14	0.25	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0652	34.20	0.4000	34.08	0.2896	0.1915	14	0.41	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2196	34.25	0.0000	34.08	0.2896	0.1915	14	0.58	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0164	34.26	0.2500	34.08	0.2896	0.1915	14	0.60	0%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0674	34.52	0.0000	34.08	0.2896	0.1915	14	1.51	1%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2188	40.08	0.0200	34.08	0.2896	0.1915	14	20.71	9%	0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0889	7.720	0.0800	34.08	0.2896	0.1915	14	-91.02	39%	2
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0066	34.15	0.1900				1			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	34.62	0.0200				1			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2192	33.68	0.1100	34.45	0.5000	0.1448	20	-1.56	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2181	33.89	0.0400	34.45	0.5000	0.1448	20	-1.13	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2144	33.92	0.2500	34.45	0.5000	0.1448	20	-1.08	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0885	34.11	0.0200	34.45	0.5000	0.1448	20	-0.69	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0622	34.11	0.2329	34.45	0.5000	0.1448	20	-0.69	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0939	34.20	0.0700	34.45	0.5000	0.1448	20	-0.52	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0651	34.23	0.0880	34.45	0.5000	0.1448	20	-0.46	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2022	34.24	0.0800	34.45	0.5000	0.1448	20	-0.43	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2009	34.26	0.0058	34.45	0.5000	0.1448	20	-0.38	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2337	34.30	0.0100	34.45	0.5000	0.1448	20	-0.32	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0354	34.43	0.0100	34.45	0.5000	0.1448	20	-0.06	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0619	34.60	0.2000	34.45	0.5000	0.1448	20	0.29	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0689	34.60	0.2000	34.45	0.5000	0.1448	20	0.29	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2109	34.62	0.2300	34.45	0.5000	0.1448	20	0.32	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2146	34.68	0.2900	34.45	0.5000	0.1448	20	0.44	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0643	34.74	0.0550	34.45	0.5000	0.1448	20	0.58	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2190	34.87	0.1900	34.45	0.5000	0.1448	20	0.82	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2453	35.43	0.2400	34.45	0.5000	0.1448	20	1.95	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2246	39.03	0.2500	34.45	0.5000	0.1448	20	9.14	7%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0852	40.94	0.4600	34.45	0.5000	0.1448	20	12.97	9%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2006	34.67	1.060	34.45	0.5000	0.1448	20	0.43	0%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2375	30.31	0.5600	34.73	0.2921	0.2349	107	-15.12	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0345	33.15	0.1000	34.73	0.2921	0.2349	107	-5.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0914	33.83	0.2800	34.73	0.2921	0.2349	107	-3.07	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0571	34.01	0.5700	34.73	0.2921	0.2349	107	-2.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0650	34.05	0.6100	34.73	0.2921	0.2349	107	-2.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0047	34.05	0.3000	34.73	0.2921	0.2349	107	-2.32	1%	0

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002.06	Protein, Crude, Combustion Nitrogen Analyzer	0098	34.05	0.1000	34.73	0.2921	0.2349	107	-2.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0038	34.10	0.6000	34.73	0.2921	0.2349	107	-2.15	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0026	34.29	0.0140	34.73	0.2921	0.2349	107	-1.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0508	34.29	0.4000	34.73	0.2921	0.2349	107	-1.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0646	34.31	0.0800	34.73	0.2921	0.2349	107	-1.43	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0202	34.34	0.1500	34.73	0.2921	0.2349	107	-1.34	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0598	34.34	0.6800	34.73	0.2921	0.2349	107	-1.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0010	34.35	0.5000	34.73	0.2921	0.2349	107	-1.29	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0853	34.40	0.2000	34.73	0.2921	0.2349	107	-1.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0144	34.43	0.1900	34.73	0.2921	0.2349	107	-1.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0539	34.44	0.2100	34.73	0.2921	0.2349	107	-1.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0033	34.45	0.1000	34.73	0.2921	0.2349	107	-0.95	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0884	34.45	0.7000	34.73	0.2921	0.2349	107	-0.95	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0956	34.45	0.1000	34.73	0.2921	0.2349	107	-0.95	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2246	34.46	0.2700	34.73	0.2921	0.2349	107	-0.93	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2184	34.49	0.1500	34.73	0.2921	0.2349	107	-0.83	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2349	34.50	0.4000	34.73	0.2921	0.2349	107	-0.78	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0027	34.52	0.0240	34.73	0.2921	0.2349	107	-0.70	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2168	34.53	0.1900	34.73	0.2921	0.2349	107	-0.69	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0676	34.54	0.1900	34.73	0.2921	0.2349	107	-0.66	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0504	34.54	0.1600	34.73	0.2921	0.2349	107	-0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0036	34.55	0.1640	34.73	0.2921	0.2349	107	-0.62	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0590	34.55	0.1000	34.73	0.2921	0.2349	107	-0.60	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0190	34.56	0.0500	34.73	0.2921	0.2349	107	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2302	34.57	0.2100	34.73	0.2921	0.2349	107	-0.55	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0009	34.59	0.0000	34.73	0.2921	0.2349	107	-0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0520	34.59	0.0650	34.73	0.2921	0.2349	107	-0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2022	34.60	0.0500	34.73	0.2921	0.2349	107	-0.45	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0619	34.60	0.0000	34.73	0.2921	0.2349	107	-0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0015	34.61	0.0300	34.73	0.2921	0.2349	107	-0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0089	34.62	0.0000	34.73	0.2921	0.2349	107	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0004	34.63	0.2500	34.73	0.2921	0.2349	107	-0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0511	34.64	0.1600	34.73	0.2921	0.2349	107	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0366	34.65	0.5000	34.73	0.2921	0.2349	107	-0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0074	34.67	0.5600	34.73	0.2921	0.2349	107	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0675	34.68	0.0900	34.73	0.2921	0.2349	107	-0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0968	34.68	0.1500	34.73	0.2921	0.2349	107	-0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0353	34.68	0.0800	34.73	0.2921	0.2349	107	-0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0574	34.68	0.2000	34.73	0.2921	0.2349	107	-0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2150	34.70	0.1100	34.73	0.2921	0.2349	107	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0208	34.70	0.2000	34.73	0.2921	0.2349	107	-0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0870	34.70	0.2500	34.73	0.2921	0.2349	107	-0.09	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2319	34.70	0.0000	34.73	0.2921	0.2349	107	-0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0529	34.71	0.3900	34.73	0.2921	0.2349	107	-0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0354	34.72	0.0500	34.73	0.2921	0.2349	107	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0682	34.72	0.0000	34.73	0.2921	0.2349	107	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0505	34.73	0.0900	34.73	0.2921	0.2349	107	-0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0626	34.74	0.0120	34.73	0.2921	0.2349	107	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0171	34.74	0.0800	34.73	0.2921	0.2349	107	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0644	34.75	0.1950	34.73	0.2921	0.2349	107	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0014	34.75	0.5000	34.73	0.2921	0.2349	107	0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0045	34.75	0.7000	34.73	0.2921	0.2349	107	0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0692	34.76	0.3200	34.73	0.2921	0.2349	107	0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2155	34.78	0.2000	34.73	0.2921	0.2349	107	0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0964	34.79	0.0060	34.73	0.2921	0.2349	107	0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0035	34.79	0.4400	34.73	0.2921	0.2349	107	0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0596	34.81	0.1500	34.73	0.2921	0.2349	107	0.27	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0083	34.81	0.0200	34.73	0.2921	0.2349	107	0.29	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0872	34.82	0.0100	34.73	0.2921	0.2349	107	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0876	34.82	0.0000	34.73	0.2921	0.2349	107	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0003	34.83	0.6000	34.73	0.2921	0.2349	107	0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0123	34.83	0.0200	34.73	0.2921	0.2349	107	0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0953	34.85	0.1700	34.73	0.2921	0.2349	107	0.40	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0413	34.85	0.1000	34.73	0.2921	0.2349	107	0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0848	34.85	0.1000	34.73	0.2921	0.2349	107	0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0510	34.85	0.3000	34.73	0.2921	0.2349	107	0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2076	34.85	0.8060	34.73	0.2921	0.2349	107	0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0298	34.86	0.0200	34.73	0.2921	0.2349	107	0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0018	34.87	1.060	34.73	0.2921	0.2349	107	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0263	34.87	0.1000	34.73	0.2921	0.2349	107	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0553	34.87	0.2510	34.73	0.2921	0.2349	107	0.51	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0042	34.90	0.0000	34.73	0.2921	0.2349	107	0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0610	34.90	0.0000	34.73	0.2921	0.2349	107	0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2059	34.91	0.0438	34.73	0.2921	0.2349	107	0.61	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0693	34.91	0.4400	34.73	0.2921	0.2349	107	0.63	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0357	34.93	0.0500	34.73	0.2921	0.2349	107	0.68	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0049	34.95	0.7000	34.73	0.2921	0.2349	107	0.76	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0278	34.95	0.1000	34.73	0.2921	0.2349	107	0.76	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0860	34.95	0.0000	34.73	0.2921	0.2349	107	0.77	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0034	34.95	0.1000	34.73	0.2921	0.2349	107	0.78	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0358	34.96	0.9000	34.73	0.2921	0.2349	107	0.80	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0100	34.98	0.4300	34.73	0.2921	0.2349	107	0.85	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0939	34.99	0.1300	34.73	0.2921	0.2349	107	0.88	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0001	35.00	0.2100	34.73	0.2921	0.2349	107	0.92	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0186	35.01	0.2900	34.73	0.2921	0.2349	107	0.95	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2129	35.01	0.0930	34.73	0.2921	0.2349	107	0.96	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0019	35.01	0.0600	34.73	0.2921	0.2349	107	0.97	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0541	35.04	0.2500	34.73	0.2921	0.2349	107	1.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0226	35.04	0.1600	34.73	0.2921	0.2349	107	1.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0880	35.05	0.3000	34.73	0.2921	0.2349	107	1.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2359	35.10	0.6000	34.73	0.2921	0.2349	107	1.28	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0006	35.14	0.2000	34.73	0.2921	0.2349	107	1.41	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0037	35.15	0.5000	34.73	0.2921	0.2349	107	1.45	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0164	35.16	0.1900	34.73	0.2921	0.2349	107	1.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2213	35.26	0.4100	34.73	0.2921	0.2349	107	1.81	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0011	35.28	0.2600	34.73	0.2921	0.2349	107	1.89	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0726	35.29	0.0500	34.73	0.2921	0.2349	107	1.91	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2181	35.32	0.4000	34.73	0.2921	0.2349	107	2.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0407	35.43	0.4260	34.73	0.2921	0.2349	107	2.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0618	35.58	0.0560	34.73	0.2921	0.2349	107	2.93	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0148	35.86	0.0800	34.73	0.2921	0.2349	107	3.88	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0297	33.03	3.290	34.73	0.2921	0.2349	107	-5.83	2%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2089	9.085	0.2100	34.73	0.2921	0.2349	107	-87.77	37%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	34.60	0.1100				1			0
002.11	Protein, Crude, NIR (%)	0889	12.48	0.2600	34.93	5.397	0.2067	6	-4.16	32%	0
002.11	Protein, Crude, NIR (%)	0885	32.82	0.0400	34.93	5.397	0.2067	6	-0.39	3%	0
002.11	Protein, Crude, NIR (%)	2345	35.43	0.3400	34.93	5.397	0.2067	6	0.09	1%	0
002.11	Protein, Crude, NIR (%)	0297	36.60	0.0300	34.93	5.397	0.2067	6	0.31	2%	0
002.11	Protein, Crude, NIR (%)	0553	36.97	0.1100	34.93	5.397	0.2067	6	0.38	3%	0
002.11	Protein, Crude, NIR (%)	0852	40.94	0.4600	34.93	5.397	0.2067	6	1.11	9%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0875	1.955	0.0300	2.288	0.1999	0.1210	12	-1.67	7%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2337	2.115	0.0300	2.288	0.1999	0.1210	12	-0.86	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0345	2.125	0.2500	2.288	0.1999	0.1210	12	-0.81	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2190	2.150	0.1200	2.288	0.1999	0.1210	12	-0.69	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2442	2.235	0.0300	2.288	0.1999	0.1210	12	-0.26	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0885	2.241	0.0112	2.288	0.1999	0.1210	12	-0.24	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2192	2.265	0.0100	2.288	0.1999	0.1210	12	-0.11	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0596	2.410	0.2600	2.288	0.1999	0.1210	12	0.61	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0035	2.430	0.3000	2.288	0.1999	0.1210	12	0.71	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0011	2.460	0.2800	2.288	0.1999	0.1210	12	0.86	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2359	2.500	0.0000	2.288	0.1999	0.1210	12	1.06	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2109	2.535	0.0100	2.288	0.1999	0.1210	12	1.24	5%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0504	2.115	0.0900				2			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0164	2.335	0.0100				2			0
003.06	Fat, Crude, Pet Ether (%)	0169	2.025	0.0100	2.208	0.2069	0.0647	11	-0.88	4%	0
003.06	Fat, Crude, Pet Ether (%)	0939	2.045	0.0500	2.208	0.2069	0.0647	11	-0.79	4%	0

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003.06	Fat, Crude, Pet Ether (%)	0968	2.060	0.0600	2.208	0.2069	0.0647	11	-0.71	3%	0
003.06	Fat, Crude, Pet Ether (%)	0675	2.085	0.1100	2.208	0.2069	0.0647	11	-0.59	3%	0
003.06	Fat, Crude, Pet Ether (%)	0674	2.100	0.0000	2.208	0.2069	0.0647	11	-0.52	2%	0
003.06	Fat, Crude, Pet Ether (%)	0884	2.150	0.1000	2.208	0.2069	0.0647	11	-0.28	1%	0
003.06	Fat, Crude, Pet Ether (%)	0297	2.165	0.0700	2.208	0.2069	0.0647	11	-0.21	1%	0
003.06	Fat, Crude, Pet Ether (%)	2181	2.235	0.0300	2.208	0.2069	0.0647	11	0.13	1%	0
003.06	Fat, Crude, Pet Ether (%)	0689	2.400	0.2000	2.208	0.2069	0.0647	11	0.93	4%	0
003.06	Fat, Crude, Pet Ether (%)	0682	2.500	0.0000	2.208	0.2069	0.0647	11	1.41	7%	0
003.06	Fat, Crude, Pet Ether (%)	0644	2.608	0.0090	2.208	0.2069	0.0647	11	1.93	9%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0004	2.100	0.0800	2.298	0.1663	0.1535	8	-1.19	4%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0964	2.159	0.0180	2.298	0.1663	0.1535	8	-0.83	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0685	2.220	0.0400	2.298	0.1663	0.1535	8	-0.47	2%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2349	2.245	0.0900	2.298	0.1663	0.1535	8	-0.32	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0590	2.315	0.4100	2.298	0.1663	0.1535	8	0.10	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	2.375	0.1100	2.298	0.1663	0.1535	8	0.47	2%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0354	2.420	0.0400	2.298	0.1663	0.1535	8	0.74	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0353	2.950	0.4400	2.298	0.1663	0.1535	8	3.92	14%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	0.5150	0.1700	2.096	0.1904	0.0667	26	-8.30	38%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2193	1.555	0.0300	2.096	0.1904	0.0667	26	-2.84	13%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0848	1.790	0.1200	2.096	0.1904	0.0667	26	-1.61	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0042	1.890	0.1400	2.096	0.1904	0.0667	26	-1.08	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.925	0.0700	2.096	0.1904	0.0667	26	-0.90	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2022	1.950	0.0200	2.096	0.1904	0.0667	26	-0.77	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0619	1.965	0.0100	2.096	0.1904	0.0667	26	-0.69	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0693	1.980	0.2000	2.096	0.1904	0.0667	26	-0.61	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0263	2.012	0.0240	2.096	0.1904	0.0667	26	-0.44	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	2.042	0.0110	2.096	0.1904	0.0667	26	-0.29	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0045	2.055	0.0100	2.096	0.1904	0.0667	26	-0.22	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0100	2.075	0.1100	2.096	0.1904	0.0667	26	-0.11	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0622	2.123	0.0632	2.096	0.1904	0.0667	26	0.14	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0123	2.140	0.0400	2.096	0.1904	0.0667	26	0.23	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0366	2.150	0.1000	2.096	0.1904	0.0667	26	0.28	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	2.160	0.2600	2.096	0.1904	0.0667	26	0.34	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0541	2.160	0.0800	2.096	0.1904	0.0667	26	0.34	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2196	2.190	0.0000	2.096	0.1904	0.0667	26	0.49	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	2.208	0.0568	2.096	0.1904	0.0667	26	0.59	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2195	2.240	0.0200	2.096	0.1904	0.0667	26	0.76	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0689	2.250	0.1000	2.096	0.1904	0.0667	26	0.81	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2188	2.250	0.0200	2.096	0.1904	0.0667	26	0.81	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2434	2.260	0.0000	2.096	0.1904	0.0667	26	0.86	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0148	2.290	0.0200	2.096	0.1904	0.0667	26	1.02	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0610	2.370	0.0200	2.096	0.1904	0.0667	26	1.44	7%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
003.10	Fat, Crude, Randall, Pet Ether (%)	2319	2.400	0.0000	2.096	0.1904	0.0667	26	1.60	7%	0
003.11	Fat, Crude, NIR (%)	0553	2.290	0.0800	3.076	0.7651	0.0525	4			0
003.11	Fat, Crude, NIR (%)	0297	2.650	0.0200	3.076	0.7651	0.0525	4			0
003.11	Fat, Crude, NIR (%)	0885	3.350	0.0200	3.076	0.7651	0.0525	4			0
003.11	Fat, Crude, NIR (%)	0852	4.015	0.0900	3.076	0.7651	0.0525	4			0
003.12	Fat, Crude, Hexane Ext (%)	0171	2.085	0.0700				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.915	0.4100	2.172	0.2186	0.1888	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0039	2.128	0.1150	2.172	0.2186	0.1888	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2246	2.200	0.1600	2.172	0.2186	0.1888	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2006	2.445	0.0700	2.172	0.2186	0.1888	4			0
003.14	Fat, Crude, Ankom (%)	2359	1.700	0.2000	2.285	0.2670	0.0749	51	-2.19	13%	0
003.14	Fat, Crude, Ankom (%)	0853	1.750	0.1000	2.285	0.2670	0.0749	51	-2.00	12%	0
003.14	Fat, Crude, Ankom (%)	0574	1.825	0.1300	2.285	0.2670	0.0749	51	-1.72	10%	0
003.14	Fat, Crude, Ankom (%)	2375	1.850	0.1600	2.285	0.2670	0.0749	51	-1.63	10%	0
003.14	Fat, Crude, Ankom (%)	0860	1.858	0.0000	2.285	0.2670	0.0749	51	-1.60	9%	0
003.14	Fat, Crude, Ankom (%)	0358	1.920	0.1200	2.285	0.2670	0.0749	51	-1.37	8%	0
003.14	Fat, Crude, Ankom (%)	0505	1.990	0.0400	2.285	0.2670	0.0749	51	-1.10	6%	0
003.14	Fat, Crude, Ankom (%)	0037	1.990	0.0000	2.285	0.2670	0.0749	51	-1.10	6%	0
003.14	Fat, Crude, Ankom (%)	0581	2.065	0.0300	2.285	0.2670	0.0749	51	-0.82	5%	0
003.14	Fat, Crude, Ankom (%)	0019	2.080	0.0200	2.285	0.2670	0.0749	51	-0.77	4%	0
003.14	Fat, Crude, Ankom (%)	0066	2.084	0.0740	2.285	0.2670	0.0749	51	-0.75	4%	0
003.14	Fat, Crude, Ankom (%)	0529	2.095	0.4100	2.285	0.2670	0.0749	51	-0.71	4%	0
003.14	Fat, Crude, Ankom (%)	2433	2.104	0.1002	2.285	0.2670	0.0749	51	-0.68	4%	0
003.14	Fat, Crude, Ankom (%)	0675	2.110	0.0200	2.285	0.2670	0.0749	51	-0.65	4%	0
003.14	Fat, Crude, Ankom (%)	0848	2.150	0.0000	2.285	0.2670	0.0749	51	-0.50	3%	0
003.14	Fat, Crude, Ankom (%)	0083	2.175	0.0300	2.285	0.2670	0.0749	51	-0.41	2%	0
003.14	Fat, Crude, Ankom (%)	0033	2.180	0.0400	2.285	0.2670	0.0749	51	-0.39	2%	0
003.14	Fat, Crude, Ankom (%)	0186	2.210	0.0400	2.285	0.2670	0.0749	51	-0.28	2%	0
003.14	Fat, Crude, Ankom (%)	0001	2.219	0.0720	2.285	0.2670	0.0749	51	-0.25	1%	0
003.14	Fat, Crude, Ankom (%)	2302	2.230	0.0400	2.285	0.2670	0.0749	51	-0.20	1%	0
003.14	Fat, Crude, Ankom (%)	0202	2.240	0.1200	2.285	0.2670	0.0749	51	-0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0298	2.240	0.0200	2.285	0.2670	0.0749	51	-0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0682	2.240	0.0000	2.285	0.2670	0.0749	51	-0.17	1%	0
003.14	Fat, Crude, Ankom (%)	0148	2.245	0.0100	2.285	0.2670	0.0749	51	-0.15	1%	0
003.14	Fat, Crude, Ankom (%)	0956	2.250	0.3000	2.285	0.2670	0.0749	51	-0.13	1%	0
003.14	Fat, Crude, Ankom (%)	0511	2.255	0.0100	2.285	0.2670	0.0749	51	-0.11	1%	0
003.14	Fat, Crude, Ankom (%)	0035	2.275	0.0500	2.285	0.2670	0.0749	51	-0.04	0%	0
003.14	Fat, Crude, Ankom (%)	2076	2.300	0.0600	2.285	0.2670	0.0749	51	0.06	0%	0
003.14	Fat, Crude, Ankom (%)	2129	2.350	0.0250	2.285	0.2670	0.0749	51	0.24	1%	0
003.14	Fat, Crude, Ankom (%)	0596	2.355	0.0300	2.285	0.2670	0.0749	51	0.26	2%	0
003.14	Fat, Crude, Ankom (%)	0004	2.355	0.2300	2.285	0.2670	0.0749	51	0.26	2%	0
003.14	Fat, Crude, Ankom (%)	0171	2.365	0.0300	2.285	0.2670	0.0749	51	0.30	2%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
003.14	Fat, Crude, Ankom (%)	0968	2.380	0.0000	2.285	0.2670	0.0749	51	0.36	2%	0
003.14	Fat, Crude, Ankom (%)	0726	2.400	0.0000	2.285	0.2670	0.0749	51	0.43	3%	0
003.14	Fat, Crude, Ankom (%)	0226	2.405	0.0700	2.285	0.2670	0.0749	51	0.45	3%	0
003.14	Fat, Crude, Ankom (%)	0598	2.410	0.0200	2.285	0.2670	0.0749	51	0.47	3%	0
003.14	Fat, Crude, Ankom (%)	0407	2.428	0.0944	2.285	0.2670	0.0749	51	0.54	3%	0
003.14	Fat, Crude, Ankom (%)	0034	2.430	0.4600	2.285	0.2670	0.0749	51	0.54	3%	0
003.14	Fat, Crude, Ankom (%)	0692	2.435	0.4900	2.285	0.2670	0.0749	51	0.56	3%	0
003.14	Fat, Crude, Ankom (%)	0619	2.491	0.0550	2.285	0.2670	0.0749	51	0.77	5%	0
003.14	Fat, Crude, Ankom (%)	2146	2.495	0.0700	2.285	0.2670	0.0749	51	0.79	5%	0
003.14	Fat, Crude, Ankom (%)	0278	2.500	0.0000	2.285	0.2670	0.0749	51	0.81	5%	0
003.14	Fat, Crude, Ankom (%)	0510	2.515	0.1900	2.285	0.2670	0.0749	51	0.86	5%	0
003.14	Fat, Crude, Ankom (%)	0413	2.525	0.0900	2.285	0.2670	0.0749	51	0.90	5%	0
003.14	Fat, Crude, Ankom (%)	0357	2.610	0.1000	2.285	0.2670	0.0749	51	1.22	7%	0
003.14	Fat, Crude, Ankom (%)	0089	2.615	0.0100	2.285	0.2670	0.0749	51	1.24	7%	0
003.14	Fat, Crude, Ankom (%)	0651	2.648	0.1286	2.285	0.2670	0.0749	51	1.36	8%	0
003.14	Fat, Crude, Ankom (%)	0190	2.780	0.0400	2.285	0.2670	0.0749	51	1.86	11%	0
003.14	Fat, Crude, Ankom (%)	0520	2.815	0.0100	2.285	0.2670	0.0749	51	1.99	12%	0
003.14	Fat, Crude, Ankom (%)	0144	3.000	0.0200	2.285	0.2670	0.0749	51	2.68	16%	0
003.14	Fat, Crude, Ankom (%)	2325	3.040	0.0200	2.285	0.2670	0.0749	51	2.83	17%	0
003.14	Fat, Crude, Ankom (%)	0026	2.065	0.6900	2.285	0.2670	0.0749	51	-0.82	5%	1
003.14	Fat, Crude, Ankom (%)	0049	2.710	0.8600	2.285	0.2670	0.0749	51	1.59	9%	1
003.99	Fat, Crude, Miscellaneous (%)	0880	2.100	0.2000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0884	5.800	0.4000	6.539	0.7834	0.2381	10	-0.94	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	2359	5.850	0.1000	6.539	0.7834	0.2381	10	-0.88	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0013	6.025	0.0700	6.539	0.7834	0.2381	10	-0.66	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0186	6.220	0.0600	6.539	0.7834	0.2381	10	-0.41	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	6.300	0.2000	6.539	0.7834	0.2381	10	-0.30	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	6.325	0.0300	6.539	0.7834	0.2381	10	-0.27	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	6.465	0.0700	6.539	0.7834	0.2381	10	-0.09	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	7.100	0.2000	6.539	0.7834	0.2381	10	0.72	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	7.590	0.6200	6.539	0.7834	0.2381	10	1.34	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	8.216	0.9900	6.539	0.7834	0.2381	10	2.14	13%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	4.875	0.0700	6.794	1.640	0.2275	4			0
004.03	Fiber, Crude, Fritted Glass (%)	0353	6.150	0.4600	6.794	1.640	0.2275	4			0
004.03	Fiber, Crude, Fritted Glass (%)	2192	7.490	0.3000	6.794	1.640	0.2275	4			0
004.03	Fiber, Crude, Fritted Glass (%)	2246	8.660	0.0800	6.794	1.640	0.2275	4			0
004.06	Fiber, Crude, Fibertec (%)	2319	4.950	0.1000	5.792	0.5045	0.1651	16	-1.67	7%	0
004.06	Fiber, Crude, Fibertec (%)	0968	5.250	0.0600	5.792	0.5045	0.1651	16	-1.07	5%	0
004.06	Fiber, Crude, Fibertec (%)	0674	5.330	0.0000	5.792	0.5045	0.1651	16	-0.92	4%	0
004.06	Fiber, Crude, Fibertec (%)	2022	5.405	0.0100	5.792	0.5045	0.1651	16	-0.77	3%	0
004.06	Fiber, Crude, Fibertec (%)	2006	5.505	0.0500	5.792	0.5045	0.1651	16	-0.57	2%	0
004.06	Fiber, Crude, Fibertec (%)	0098	5.570	0.1200	5.792	0.5045	0.1651	16	-0.44	2%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
004.06	Fiber, Crude, Fibertec (%)	2188	5.650	0.0000	5.792	0.5045	0.1651	16	-0.28	1%	0
004.06	Fiber, Crude, Fibertec (%)	0038	5.660	0.3000	5.792	0.5045	0.1651	16	-0.26	1%	0
004.06	Fiber, Crude, Fibertec (%)	0689	5.750	0.5000	5.792	0.5045	0.1651	16	-0.08	0%	0
004.06	Fiber, Crude, Fibertec (%)	0941	5.905	0.2500	5.792	0.5045	0.1651	16	0.22	1%	0
004.06	Fiber, Crude, Fibertec (%)	0027	6.048	0.1970	5.792	0.5045	0.1651	16	0.51	2%	0
004.06	Fiber, Crude, Fibertec (%)	0676	6.115	0.1500	5.792	0.5045	0.1651	16	0.64	3%	0
004.06	Fiber, Crude, Fibertec (%)	0964	6.205	0.2300	5.792	0.5045	0.1651	16	0.82	4%	0
004.06	Fiber, Crude, Fibertec (%)	2349	6.250	0.1000	5.792	0.5045	0.1651	16	0.91	4%	0
004.06	Fiber, Crude, Fibertec (%)	0610	6.450	0.3000	5.792	0.5045	0.1651	16	1.30	6%	0
004.06	Fiber, Crude, Fibertec (%)	0685	6.850	0.1000	5.792	0.5045	0.1651	16	2.10	9%	0
004.07	Fiber, Crude, ANKOM (%)	0675	3.365	0.0300	6.482	0.8687	0.2228	75	-3.59	24%	0
004.07	Fiber, Crude, ANKOM (%)	2325	4.725	0.0100	6.482	0.8687	0.2228	75	-2.02	14%	0
004.07	Fiber, Crude, ANKOM (%)	0726	4.735	0.0500	6.482	0.8687	0.2228	75	-2.01	13%	0
004.07	Fiber, Crude, ANKOM (%)	0510	4.900	0.6000	6.482	0.8687	0.2228	75	-1.82	12%	0
004.07	Fiber, Crude, ANKOM (%)	0885	5.284	0.2910	6.482	0.8687	0.2228	75	-1.38	9%	0
004.07	Fiber, Crude, ANKOM (%)	0644	5.319	0.2590	6.482	0.8687	0.2228	75	-1.34	9%	0
004.07	Fiber, Crude, ANKOM (%)	0956	5.350	0.5000	6.482	0.8687	0.2228	75	-1.30	9%	0
004.07	Fiber, Crude, ANKOM (%)	2434	5.370	0.0000	6.482	0.8687	0.2228	75	-1.28	9%	0
004.07	Fiber, Crude, ANKOM (%)	0505	5.490	0.2400	6.482	0.8687	0.2228	75	-1.14	8%	0
004.07	Fiber, Crude, ANKOM (%)	2022	5.510	0.0600	6.482	0.8687	0.2228	75	-1.12	8%	0
004.07	Fiber, Crude, ANKOM (%)	0870	5.573	0.2672	6.482	0.8687	0.2228	75	-1.05	7%	0
004.07	Fiber, Crude, ANKOM (%)	0100	5.595	0.2100	6.482	0.8687	0.2228	75	-1.02	7%	0
004.07	Fiber, Crude, ANKOM (%)	0708	5.630	0.0200	6.482	0.8687	0.2228	75	-0.98	7%	0
004.07	Fiber, Crude, ANKOM (%)	0202	5.675	0.4100	6.482	0.8687	0.2228	75	-0.93	6%	0
004.07	Fiber, Crude, ANKOM (%)	0619	5.690	0.0200	6.482	0.8687	0.2228	75	-0.91	6%	0
004.07	Fiber, Crude, ANKOM (%)	0939	5.735	0.4900	6.482	0.8687	0.2228	75	-0.86	6%	0
004.07	Fiber, Crude, ANKOM (%)	0848	5.880	0.1200	6.482	0.8687	0.2228	75	-0.69	5%	0
004.07	Fiber, Crude, ANKOM (%)	0083	6.015	0.0500	6.482	0.8687	0.2228	75	-0.54	4%	0
004.07	Fiber, Crude, ANKOM (%)	0300	6.035	0.1900	6.482	0.8687	0.2228	75	-0.52	3%	0
004.07	Fiber, Crude, ANKOM (%)	0123	6.040	0.0800	6.482	0.8687	0.2228	75	-0.51	3%	0
004.07	Fiber, Crude, ANKOM (%)	0692	6.050	0.3000	6.482	0.8687	0.2228	75	-0.50	3%	0
004.07	Fiber, Crude, ANKOM (%)	0643	6.060	0.0930	6.482	0.8687	0.2228	75	-0.49	3%	0
004.07	Fiber, Crude, ANKOM (%)	0028	6.100	0.2000	6.482	0.8687	0.2228	75	-0.44	3%	0
004.07	Fiber, Crude, ANKOM (%)	0013	6.125	0.7700	6.482	0.8687	0.2228	75	-0.41	3%	0
004.07	Fiber, Crude, ANKOM (%)	0646	6.140	0.1000	6.482	0.8687	0.2228	75	-0.39	3%	0
004.07	Fiber, Crude, ANKOM (%)	0366	6.200	0.2000	6.482	0.8687	0.2228	75	-0.33	2%	0
004.07	Fiber, Crude, ANKOM (%)	0413	6.220	0.4000	6.482	0.8687	0.2228	75	-0.30	2%	0
004.07	Fiber, Crude, ANKOM (%)	0034	6.250	0.1600	6.482	0.8687	0.2228	75	-0.27	2%	0
004.07	Fiber, Crude, ANKOM (%)	0876	6.270	0.5000	6.482	0.8687	0.2228	75	-0.24	2%	0
004.07	Fiber, Crude, ANKOM (%)	2144	6.270	0.0600	6.482	0.8687	0.2228	75	-0.24	2%	0
004.07	Fiber, Crude, ANKOM (%)	0035	6.295	0.4300	6.482	0.8687	0.2228	75	-0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	2259	6.300	0.9990	6.482	0.8687	0.2228	75	-0.21	1%	0

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004.07	Fiber, Crude, ANKOM (%)	0682	6.300	0.0000	6.482	0.8687	0.2228	75	-0.21	1%	0
004.07	Fiber, Crude, ANKOM (%)	2193	6.300	0.1000	6.482	0.8687	0.2228	75	-0.21	1%	0
004.07	Fiber, Crude, ANKOM (%)	2337	6.330	0.2400	6.482	0.8687	0.2228	75	-0.18	1%	0
004.07	Fiber, Crude, ANKOM (%)	0074	6.355	0.0500	6.482	0.8687	0.2228	75	-0.15	1%	0
004.07	Fiber, Crude, ANKOM (%)	0860	6.358	0.0000	6.482	0.8687	0.2228	75	-0.14	1%	0
004.07	Fiber, Crude, ANKOM (%)	2188	6.365	0.1100	6.482	0.8687	0.2228	75	-0.14	1%	0
004.07	Fiber, Crude, ANKOM (%)	0529	6.450	0.1400	6.482	0.8687	0.2228	75	-0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0626	6.472	0.0330	6.482	0.8687	0.2228	75	-0.01	0%	0
004.07	Fiber, Crude, ANKOM (%)	0004	6.515	0.3300	6.482	0.8687	0.2228	75	0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0693	6.515	0.4900	6.482	0.8687	0.2228	75	0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0019	6.525	0.2300	6.482	0.8687	0.2228	75	0.05	0%	0
004.07	Fiber, Crude, ANKOM (%)	0553	6.550	0.2200	6.482	0.8687	0.2228	75	0.08	1%	0
004.07	Fiber, Crude, ANKOM (%)	0009	6.570	0.1000	6.482	0.8687	0.2228	75	0.10	1%	0
004.07	Fiber, Crude, ANKOM (%)	2146	6.620	0.0600	6.482	0.8687	0.2228	75	0.16	1%	0
004.07	Fiber, Crude, ANKOM (%)	2196	6.620	0.0000	6.482	0.8687	0.2228	75	0.16	1%	0
004.07	Fiber, Crude, ANKOM (%)	2109	6.645	0.0700	6.482	0.8687	0.2228	75	0.19	1%	0
004.07	Fiber, Crude, ANKOM (%)	0011	6.655	0.0100	6.482	0.8687	0.2228	75	0.20	1%	0
004.07	Fiber, Crude, ANKOM (%)	2190	6.675	0.3700	6.482	0.8687	0.2228	75	0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	0144	6.705	0.2500	6.482	0.8687	0.2228	75	0.26	2%	0
004.07	Fiber, Crude, ANKOM (%)	0098	6.760	0.5200	6.482	0.8687	0.2228	75	0.32	2%	0
004.07	Fiber, Crude, ANKOM (%)	0407	6.850	0.0582	6.482	0.8687	0.2228	75	0.42	3%	0
004.07	Fiber, Crude, ANKOM (%)	0298	6.890	0.0200	6.482	0.8687	0.2228	75	0.47	3%	0
004.07	Fiber, Crude, ANKOM (%)	0066	6.920	0.3800	6.482	0.8687	0.2228	75	0.50	3%	0
004.07	Fiber, Crude, ANKOM (%)	0263	6.931	0.0070	6.482	0.8687	0.2228	75	0.52	3%	0
004.07	Fiber, Crude, ANKOM (%)	0354	6.970	0.4000	6.482	0.8687	0.2228	75	0.56	4%	0
004.07	Fiber, Crude, ANKOM (%)	0511	7.200	0.4000	6.482	0.8687	0.2228	75	0.83	6%	0
004.07	Fiber, Crude, ANKOM (%)	0504	7.260	0.1400	6.482	0.8687	0.2228	75	0.90	6%	0
004.07	Fiber, Crude, ANKOM (%)	2009	7.327	0.0444	6.482	0.8687	0.2228	75	0.97	7%	0
004.07	Fiber, Crude, ANKOM (%)	0589	7.355	0.2500	6.482	0.8687	0.2228	75	1.00	7%	0
004.07	Fiber, Crude, ANKOM (%)	0226	7.425	0.1500	6.482	0.8687	0.2228	75	1.08	7%	0
004.07	Fiber, Crude, ANKOM (%)	0045	7.435	0.5700	6.482	0.8687	0.2228	75	1.10	7%	0
004.07	Fiber, Crude, ANKOM (%)	0190	7.500	0.2000	6.482	0.8687	0.2228	75	1.17	8%	0
004.07	Fiber, Crude, ANKOM (%)	0581	7.500	0.3000	6.482	0.8687	0.2228	75	1.17	8%	0
004.07	Fiber, Crude, ANKOM (%)	2433	7.517	0.1354	6.482	0.8687	0.2228	75	1.19	8%	0
004.07	Fiber, Crude, ANKOM (%)	0520	7.540	0.3200	6.482	0.8687	0.2228	75	1.22	8%	0
004.07	Fiber, Crude, ANKOM (%)	2345	7.595	0.7700	6.482	0.8687	0.2228	75	1.28	9%	0
004.07	Fiber, Crude, ANKOM (%)	0598	7.800	0.1400	6.482	0.8687	0.2228	75	1.52	10%	0
004.07	Fiber, Crude, ANKOM (%)	0042	7.950	0.8000	6.482	0.8687	0.2228	75	1.69	11%	0
004.07	Fiber, Crude, ANKOM (%)	2302	8.005	0.1700	6.482	0.8687	0.2228	75	1.75	12%	0
004.07	Fiber, Crude, ANKOM (%)	0622	8.149	0.3141	6.482	0.8687	0.2228	75	1.92	13%	0
004.07	Fiber, Crude, ANKOM (%)	0914	8.500	0.2000	6.482	0.8687	0.2228	75	2.32	16%	0
004.07	Fiber, Crude, ANKOM (%)	0089	8.920	0.0200	6.482	0.8687	0.2228	75	2.81	19%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
004.07	Fiber, Crude, ANKOM (%)	0278	10.35	0.1000	6.482	0.8687	0.2228	75	4.45	30%	0
004.07	Fiber, Crude, ANKOM (%)	0026	4.450	1.100	6.482	0.8687	0.2228	75	-2.34	16%	1
004.11	Fiber, Crude, NIR (%)	0553	4.495	0.1500	11.68	10.01	0.0650	4			0
004.11	Fiber, Crude, NIR (%)	0885	6.430	0.0200	11.68	10.01	0.0650	4			0
004.11	Fiber, Crude, NIR (%)	0852	9.420	0.0600	11.68	10.01	0.0650	4			0
004.11	Fiber, Crude, NIR (%)	0889	26.39	0.0300	11.68	10.01	0.0650	4			0
004.99	Fiber, Crude, Miscellaneous (%)	2129	5.015	0.2900				2			0
004.99	Fiber, Crude, Miscellaneous (%)	2144	6.200	0.0400				2			0
005.00	Ash, 2h @ 600°C (%)	0089	15.30	0.0000	16.33	0.4397	0.1411	85	-2.33	3%	0
005.00	Ash, 2h @ 600°C (%)	0169	15.33	0.0100	16.33	0.4397	0.1411	85	-2.27	3%	0
005.00	Ash, 2h @ 600°C (%)	2184	15.36	0.5300	16.33	0.4397	0.1411	85	-2.21	3%	0
005.00	Ash, 2h @ 600°C (%)	0278	15.54	0.0300	16.33	0.4397	0.1411	85	-1.80	2%	0
005.00	Ash, 2h @ 600°C (%)	0208	15.65	0.1000	16.33	0.4397	0.1411	85	-1.54	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	15.70	0.0000	16.33	0.4397	0.1411	85	-1.42	2%	0
005.00	Ash, 2h @ 600°C (%)	0953	15.71	0.5300	16.33	0.4397	0.1411	85	-1.41	2%	0
005.00	Ash, 2h @ 600°C (%)	0049	15.74	0.2500	16.33	0.4397	0.1411	85	-1.34	2%	0
005.00	Ash, 2h @ 600°C (%)	2022	15.81	0.1700	16.33	0.4397	0.1411	85	-1.18	2%	0
005.00	Ash, 2h @ 600°C (%)	0860	15.81	0.0000	16.33	0.4397	0.1411	85	-1.18	2%	0
005.00	Ash, 2h @ 600°C (%)	0598	15.83	0.0200	16.33	0.4397	0.1411	85	-1.13	2%	0
005.00	Ash, 2h @ 600°C (%)	0574	15.85	0.0700	16.33	0.4397	0.1411	85	-1.09	1%	0
005.00	Ash, 2h @ 600°C (%)	0622	15.85	0.0563	16.33	0.4397	0.1411	85	-1.09	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	15.90	0.0000	16.33	0.4397	0.1411	85	-0.97	1%	0
005.00	Ash, 2h @ 600°C (%)	0685	15.91	0.0600	16.33	0.4397	0.1411	85	-0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	2349	15.95	0.3000	16.33	0.4397	0.1411	85	-0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0539	16.01	0.0700	16.33	0.4397	0.1411	85	-0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	0011	16.01	0.1800	16.33	0.4397	0.1411	85	-0.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0226	16.02	0.3400	16.33	0.4397	0.1411	85	-0.69	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	16.04	0.1050	16.33	0.4397	0.1411	85	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0682	16.04	0.0000	16.33	0.4397	0.1411	85	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0651	16.05	0.3226	16.33	0.4397	0.1411	85	-0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	2359	16.05	0.1000	16.33	0.4397	0.1411	85	-0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	2188	16.06	0.0300	16.33	0.4397	0.1411	85	-0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	16.08	0.1500	16.33	0.4397	0.1411	85	-0.57	1%	0
005.00	Ash, 2h @ 600°C (%)	0298	16.08	0.0200	16.33	0.4397	0.1411	85	-0.56	1%	0
005.00	Ash, 2h @ 600°C (%)	2337	16.09	0.0300	16.33	0.4397	0.1411	85	-0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0004	16.09	0.0200	16.33	0.4397	0.1411	85	-0.53	1%	0
005.00	Ash, 2h @ 600°C (%)	0956	16.10	0.2000	16.33	0.4397	0.1411	85	-0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	0354	16.11	0.0300	16.33	0.4397	0.1411	85	-0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	16.12	0.1856	16.33	0.4397	0.1411	85	-0.46	1%	0
005.00	Ash, 2h @ 600°C (%)	2302	16.13	0.3900	16.33	0.4397	0.1411	85	-0.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	16.15	0.3000	16.33	0.4397	0.1411	85	-0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	2433	16.15	0.0433	16.33	0.4397	0.1411	85	-0.39	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2434	16.21	0.0000	16.33	0.4397	0.1411	85	-0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	16.23	0.0600	16.33	0.4397	0.1411	85	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0853	16.25	0.1000	16.33	0.4397	0.1411	85	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	16.26	0.0700	16.33	0.4397	0.1411	85	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0646	16.28	0.0300	16.33	0.4397	0.1411	85	-0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	16.30	0.0060	16.33	0.4397	0.1411	85	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	16.31	0.0100	16.33	0.4397	0.1411	85	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2150	16.31	0.0600	16.33	0.4397	0.1411	85	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	16.33	0.0400	16.33	0.4397	0.1411	85	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	16.36	0.1500	16.33	0.4397	0.1411	85	0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	16.38	0.1700	16.33	0.4397	0.1411	85	0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0297	16.39	0.4300	16.33	0.4397	0.1411	85	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	16.39	0.4150	16.33	0.4397	0.1411	85	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	16.40	0.2200	16.33	0.4397	0.1411	85	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0852	16.40	0.6000	16.33	0.4397	0.1411	85	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0123	16.41	0.2200	16.33	0.4397	0.1411	85	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	16.41	0.0600	16.33	0.4397	0.1411	85	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	16.42	0.0100	16.33	0.4397	0.1411	85	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	2181	16.44	0.2500	16.33	0.4397	0.1411	85	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	16.45	0.0300	16.33	0.4397	0.1411	85	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0505	16.45	0.0800	16.33	0.4397	0.1411	85	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0186	16.52	0.0725	16.33	0.4397	0.1411	85	0.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	16.52	0.7400	16.33	0.4397	0.1411	85	0.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	16.53	0.0500	16.33	0.4397	0.1411	85	0.45	1%	0
005.00	Ash, 2h @ 600°C (%)	2246	16.53	0.3400	16.33	0.4397	0.1411	85	0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0100	16.57	0.4800	16.33	0.4397	0.1411	85	0.56	1%	0
005.00	Ash, 2h @ 600°C (%)	0675	16.59	0.0400	16.33	0.4397	0.1411	85	0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0038	16.60	0.4000	16.33	0.4397	0.1411	85	0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	16.61	0.0300	16.33	0.4397	0.1411	85	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	16.61	0.1700	16.33	0.4397	0.1411	85	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0520	16.61	0.0700	16.33	0.4397	0.1411	85	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	2442	16.64	0.0600	16.33	0.4397	0.1411	85	0.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	16.66	0.0100	16.33	0.4397	0.1411	85	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	16.66	0.4800	16.33	0.4397	0.1411	85	0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	2196	16.70	0.0000	16.33	0.4397	0.1411	85	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	2453	16.74	0.1460	16.33	0.4397	0.1411	85	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	16.76	0.1100	16.33	0.4397	0.1411	85	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0148	16.77	0.0100	16.33	0.4397	0.1411	85	1.00	1%	0
005.00	Ash, 2h @ 600°C (%)	0045	16.80	0.2000	16.33	0.4397	0.1411	85	1.08	1%	0
005.00	Ash, 2h @ 600°C (%)	0880	16.82	0.0500	16.33	0.4397	0.1411	85	1.11	2%	0
005.00	Ash, 2h @ 600°C (%)	0618	16.85	0.0112	16.33	0.4397	0.1411	85	1.19	2%	0
005.00	Ash, 2h @ 600°C (%)	2193	16.89	0.1500	16.33	0.4397	0.1411	85	1.27	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0674	16.90	0.0000	16.33	0.4397	0.1411	85	1.31	2%	0
005.00	Ash, 2h @ 600°C (%)	2195	16.92	0.0200	16.33	0.4397	0.1411	85	1.35	2%	0
005.00	Ash, 2h @ 600°C (%)	0047	16.95	0.1000	16.33	0.4397	0.1411	85	1.42	2%	0
005.00	Ash, 2h @ 600°C (%)	2259	16.96	0.1020	16.33	0.4397	0.1411	85	1.44	2%	0
005.00	Ash, 2h @ 600°C (%)	2076	16.98	0.1000	16.33	0.4397	0.1411	85	1.49	2%	0
005.00	Ash, 2h @ 600°C (%)	0968	17.14	0.1100	16.33	0.4397	0.1411	85	1.84	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	17.14	0.0500	16.33	0.4397	0.1411	85	1.84	2%	0
005.00	Ash, 2h @ 600°C (%)	0345	17.20	0.4000	16.33	0.4397	0.1411	85	1.99	3%	0
005.00	Ash, 2h @ 600°C (%)	0357	17.25	0.3000	16.33	0.4397	0.1411	85	2.10	3%	0
005.00	Ash, 2h @ 600°C (%)	0358	15.78	0.9600	16.33	0.4397	0.1411	85	-1.24	2%	1
005.02	Ash, LECO (%)	0644	16.77	0.2610				1			0
005.03	Ash, Microwave furnace (%)	0511	15.45	0.1000				1			0
005.05	Ash, 3h @ 550°C (%)	0003	15.89	0.0200	16.85	0.4045	0.1659	27	-2.37	3%	0
005.05	Ash, 3h @ 550°C (%)	0692	15.92	0.7600	16.85	0.4045	0.1659	27	-2.29	3%	0
005.05	Ash, 3h @ 550°C (%)	2345	16.29	0.1200	16.85	0.4045	0.1659	27	-1.38	2%	0
005.05	Ash, 3h @ 550°C (%)	0852	16.40	0.6000	16.85	0.4045	0.1659	27	-1.11	1%	0
005.05	Ash, 3h @ 550°C (%)	0413	16.50	0.8000	16.85	0.4045	0.1659	27	-0.86	1%	0
005.05	Ash, 3h @ 550°C (%)	2190	16.57	0.5400	16.85	0.4045	0.1659	27	-0.69	1%	0
005.05	Ash, 3h @ 550°C (%)	0726	16.59	0.0100	16.85	0.4045	0.1659	27	-0.65	1%	0
005.05	Ash, 3h @ 550°C (%)	0066	16.61	0.1300	16.85	0.4045	0.1659	27	-0.60	1%	0
005.05	Ash, 3h @ 550°C (%)	0689	16.68	0.0900	16.85	0.4045	0.1659	27	-0.43	1%	0
005.05	Ash, 3h @ 550°C (%)	0590	16.72	0.2600	16.85	0.4045	0.1659	27	-0.32	0%	0
005.05	Ash, 3h @ 550°C (%)	2192	16.80	0.0100	16.85	0.4045	0.1659	27	-0.13	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	16.80	0.0000	16.85	0.4045	0.1659	27	-0.12	0%	0
005.05	Ash, 3h @ 550°C (%)	0643	16.81	0.0200	16.85	0.4045	0.1659	27	-0.09	0%	0
005.05	Ash, 3h @ 550°C (%)	0885	16.83	0.0527	16.85	0.4045	0.1659	27	-0.04	0%	0
005.05	Ash, 3h @ 550°C (%)	2146	16.84	0.0500	16.85	0.4045	0.1659	27	-0.03	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	16.86	0.3400	16.85	0.4045	0.1659	27	0.03	0%	0
005.05	Ash, 3h @ 550°C (%)	2144	16.88	0.0500	16.85	0.4045	0.1659	27	0.07	0%	0
005.05	Ash, 3h @ 550°C (%)	0263	16.98	0.0030	16.85	0.4045	0.1659	27	0.32	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	17.05	0.1000	16.85	0.4045	0.1659	27	0.50	1%	0
005.05	Ash, 3h @ 550°C (%)	2009	17.10	0.0023	16.85	0.4045	0.1659	27	0.63	1%	0
005.05	Ash, 3h @ 550°C (%)	0596	17.13	0.2600	16.85	0.4045	0.1659	27	0.70	1%	0
005.05	Ash, 3h @ 550°C (%)	0190	17.17	0.0200	16.85	0.4045	0.1659	27	0.80	1%	0
005.05	Ash, 3h @ 550°C (%)	2246	17.29	0.0000	16.85	0.4045	0.1659	27	1.09	1%	0
005.05	Ash, 3h @ 550°C (%)	2442	17.30	0.1900	16.85	0.4045	0.1659	27	1.10	1%	0
005.05	Ash, 3h @ 550°C (%)	0034	17.34	0.1670	16.85	0.4045	0.1659	27	1.21	1%	0
005.05	Ash, 3h @ 550°C (%)	2109	17.49	0.3700	16.85	0.4045	0.1659	27	1.57	2%	0
005.05	Ash, 3h @ 550°C (%)	2129	18.32	0.1446	16.85	0.4045	0.1659	27	3.63	4%	0
005.05	Ash, 3h @ 550°C (%)	0889	6.510	0.0400	16.85	0.4045	0.1659	27	-25.56	31%	2
005.11	Ash, NIR (%)	0889	7.453	0.5050	11.42	3.759	0.1713	4			0
005.11	Ash, NIR (%)	0885	9.115	0.0100	11.42	3.759	0.1713	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
005.11	Ash, NIR (%)	0852	13.63	0.1500	11.42	3.759	0.1713	4			0
005.11	Ash, NIR (%)	0297	15.48	0.0200	11.42	3.759	0.1713	4			0
005.99	Ash, Miscellaneous (%)	0019	15.65	0.1000	16.99	0.5242	0.1000	9	-2.55	4%	0
005.99	Ash, Miscellaneous (%)	0914	16.55	0.3100	16.99	0.5242	0.1000	9	-0.85	1%	0
005.99	Ash, Miscellaneous (%)	0202	16.68	0.4100	16.99	0.5242	0.1000	9	-0.60	1%	0
005.99	Ash, Miscellaneous (%)	2319	16.85	0.1000	16.99	0.5242	0.1000	9	-0.27	0%	0
005.99	Ash, Miscellaneous (%)	0676	17.01	0.0000	16.99	0.5242	0.1000	9	0.04	0%	0
005.99	Ash, Miscellaneous (%)	0884	17.25	0.1000	16.99	0.5242	0.1000	9	0.50	1%	0
005.99	Ash, Miscellaneous (%)	0644	17.27	0.2060	16.99	0.5242	0.1000	9	0.53	1%	0
005.99	Ash, Miscellaneous (%)	0652	17.55	0.1000	16.99	0.5242	0.1000	9	1.07	2%	0
005.99	Ash, Miscellaneous (%)	0910	17.55	0.1000	16.99	0.5242	0.1000	9	1.07	2%	0
006.00	Total Sugars, As sucrose (%)	0407	7.800	0.2000				3			0
006.00	Total Sugars, As sucrose (%)	2192	7.810	0.2200				3			0
006.00	Total Sugars, As sucrose (%)	2319	8.050	0.3000				3			0
006.01	Total Sugars, Mod. Fehling Soln (%)	0038	7.865	0.3700				1			0
006.99	Total Sugars, Miscellaneous (%)	0674	3.980	0.0000	6.919	2.388	0.0967	4			0
006.99	Total Sugars, Miscellaneous (%)	0148	6.025	0.2300	6.919	2.388	0.0967	4			0
006.99	Total Sugars, Miscellaneous (%)	0610	8.430	0.0200	6.919	2.388	0.0967	4			0
006.99	Total Sugars, Miscellaneous (%)	0226	9.240	0.0400	6.919	2.388	0.0967	4			0
006.99	Total Sugars, Miscellaneous (%)	0956	11.10	0.6000	6.919	2.388	0.0967	4			1
008.02	Fiber, Acid Detergent, Crucible (%)	0676	7.345	0.5100	8.313	0.5299	0.2355	12	-1.83	6%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0345	7.575	0.1500	8.313	0.5299	0.2355	12	-1.39	4%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2246	8.025	0.2900	8.313	0.5299	0.2355	12	-0.54	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2089	8.105	0.2700	8.313	0.5299	0.2355	12	-0.39	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	8.130	0.0600	8.313	0.5299	0.2355	12	-0.35	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0964	8.284	0.1470	8.313	0.5299	0.2355	12	-0.06	0%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0353	8.450	0.1400	8.313	0.5299	0.2355	12	0.26	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2192	8.490	0.0000	8.313	0.5299	0.2355	12	0.33	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0689	8.650	0.5000	8.313	0.5299	0.2355	12	0.64	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0148	8.700	0.1800	8.313	0.5299	0.2355	12	0.73	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0674	8.800	0.0000	8.313	0.5299	0.2355	12	0.92	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0098	9.030	0.1400	8.313	0.5299	0.2355	12	1.35	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0675	5.575	0.1500	8.370	0.6386	0.2473	45	-4.38	17%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0026	7.290	0.1000	8.370	0.6386	0.2473	45	-1.69	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0885	7.473	0.5455	8.370	0.6386	0.2473	45	-1.41	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0049	7.485	0.5300	8.370	0.6386	0.2473	45	-1.39	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0956	7.600	0.2000	8.370	0.6386	0.2473	45	-1.21	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0939	7.625	0.0100	8.370	0.6386	0.2473	45	-1.17	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2129	7.654	0.0760	8.370	0.6386	0.2473	45	-1.12	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2325	7.670	0.0200	8.370	0.6386	0.2473	45	-1.10	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0004	7.715	0.2500	8.370	0.6386	0.2473	45	-1.03	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0968	7.915	0.2900	8.370	0.6386	0.2473	45	-0.71	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0848	7.925	0.2700	8.370	0.6386	0.2473	45	-0.70	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0190	7.940	0.2800	8.370	0.6386	0.2473	45	-0.67	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	8.020	0.0960	8.370	0.6386	0.2473	45	-0.55	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2302	8.055	0.2900	8.370	0.6386	0.2473	45	-0.49	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2345	8.070	0.3200	8.370	0.6386	0.2473	45	-0.47	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0297	8.100	1.000	8.370	0.6386	0.2473	45	-0.42	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0693	8.150	0.6200	8.370	0.6386	0.2473	45	-0.35	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0083	8.155	0.2100	8.370	0.6386	0.2473	45	-0.34	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0413	8.230	0.2800	8.370	0.6386	0.2473	45	-0.22	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2433	8.230	0.2473	8.370	0.6386	0.2473	45	-0.22	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0504	8.390	0.0200	8.370	0.6386	0.2473	45	0.03	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2190	8.430	0.0400	8.370	0.6386	0.2473	45	0.09	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0366	8.450	0.7000	8.370	0.6386	0.2473	45	0.12	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0035	8.530	0.0600	8.370	0.6386	0.2473	45	0.25	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	8.531	0.2421	8.370	0.6386	0.2473	45	0.25	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0510	8.550	0.3000	8.370	0.6386	0.2473	45	0.28	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0263	8.572	0.0090	8.370	0.6386	0.2473	45	0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0726	8.595	0.0300	8.370	0.6386	0.2473	45	0.35	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	8.596	0.1106	8.370	0.6386	0.2473	45	0.35	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2196	8.630	0.0000	8.370	0.6386	0.2473	45	0.41	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	8.650	0.9000	8.370	0.6386	0.2473	45	0.44	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0148	8.675	0.1500	8.370	0.6386	0.2473	45	0.48	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0581	8.695	0.2100	8.370	0.6386	0.2473	45	0.51	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	8.760	0.1200	8.370	0.6386	0.2473	45	0.61	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0037	8.770	0.3600	8.370	0.6386	0.2473	45	0.63	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0066	8.770	0.2200	8.370	0.6386	0.2473	45	0.63	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0646	8.800	0.1600	8.370	0.6386	0.2473	45	0.67	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0039	8.802	0.4030	8.370	0.6386	0.2473	45	0.68	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0045	8.835	0.3900	8.370	0.6386	0.2473	45	0.73	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	9.185	0.4100	8.370	0.6386	0.2473	45	1.28	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	9.300	0.0000	8.370	0.6386	0.2473	45	1.46	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0596	9.335	0.2100	8.370	0.6386	0.2473	45	1.51	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0278	9.350	0.9000	8.370	0.6386	0.2473	45	1.53	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0357	10.40	0.3000	8.370	0.6386	0.2473	45	3.18	12%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0354	11.13	0.0700	8.370	0.6386	0.2473	45	4.31	16%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0358	15.39	14.54	8.370	0.6386	0.2473	45	10.99	42%	1
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	20.32	0.1100	8.370	0.6386	0.2473	45	18.71	71%	2
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0027	8.199	0.1010				3			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0941	9.555	0.1500				3			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0610	10.10	0.6000				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0964	11.42	0.8410	13.42	1.679	0.5151	12	-1.19	7%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0345	11.54	0.2700	13.42	1.679	0.5151	12	-1.12	7%	0



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009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0353	11.76	0.0800	13.42	1.679	0.5151	12	-0.99	6%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2089	12.51	0.1000	13.42	1.679	0.5151	12	-0.54	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0226	12.92	0.2700	13.42	1.679	0.5151	12	-0.30	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2192	12.98	0.1600	13.42	1.679	0.5151	12	-0.26	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0676	13.72	0.3400	13.42	1.679	0.5151	12	0.18	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0689	13.90	0.4000	13.42	1.679	0.5151	12	0.29	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0674	14.27	0.0000	13.42	1.679	0.5151	12	0.51	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0610	14.95	0.7000	13.42	1.679	0.5151	12	0.91	6%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0098	15.10	2.600	13.42	1.679	0.5151	12	1.00	6%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2246	36.51	2.530	13.42	1.679	0.5151	12	13.75	86%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0675	11.90	0.0700	13.46	1.223	0.2485	41	-1.28	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0510	12.00	0.2000	13.46	1.223	0.2485	41	-1.19	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0726	12.05	0.0000	13.46	1.223	0.2485	41	-1.15	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2433	12.06	0.3673	13.46	1.223	0.2485	41	-1.14	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0035	12.25	0.1800	13.46	1.223	0.2485	41	-0.99	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0939	12.25	0.0400	13.46	1.223	0.2485	41	-0.99	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0049	12.26	0.1200	13.46	1.223	0.2485	41	-0.98	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2129	12.30	0.2435	13.46	1.223	0.2485	41	-0.95	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0870	12.39	0.5121	13.46	1.223	0.2485	41	-0.87	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2022	12.40	0.1600	13.46	1.223	0.2485	41	-0.86	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0956	12.55	0.3000	13.46	1.223	0.2485	41	-0.74	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0358	12.56	0.5100	13.46	1.223	0.2485	41	-0.74	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0885	12.66	0.3864	13.46	1.223	0.2485	41	-0.65	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0357	12.70	0.0300	13.46	1.223	0.2485	41	-0.62	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0066	12.78	0.1900	13.46	1.223	0.2485	41	-0.56	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0581	12.87	0.3700	13.46	1.223	0.2485	41	-0.48	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2345	12.93	0.3500	13.46	1.223	0.2485	41	-0.44	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0619	13.10	0.2400	13.46	1.223	0.2485	41	-0.29	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0263	13.13	0.0570	13.46	1.223	0.2485	41	-0.27	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2190	13.25	0.3400	13.46	1.223	0.2485	41	-0.17	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0693	13.32	0.2000	13.46	1.223	0.2485	41	-0.11	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0366	13.45	1.500	13.46	1.223	0.2485	41	-0.01	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0045	13.65	0.1000	13.46	1.223	0.2485	41	0.16	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0413	13.75	0.1000	13.46	1.223	0.2485	41	0.24	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0598	13.78	0.1200	13.46	1.223	0.2485	41	0.26	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0148	13.84	0.0300	13.46	1.223	0.2485	41	0.31	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0646	13.84	0.4600	13.46	1.223	0.2485	41	0.31	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0164	13.85	0.1000	13.46	1.223	0.2485	41	0.32	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0190	13.92	0.0000	13.46	1.223	0.2485	41	0.38	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2302	14.05	1.450	13.46	1.223	0.2485	41	0.48	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0297	14.10	0.2000	13.46	1.223	0.2485	41	0.53	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0596	14.49	0.2300	13.46	1.223	0.2485	41	0.84	4%	0

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009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0848	14.67	0.3800	13.46	1.223	0.2485	41	0.99	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0083	14.71	1.190	13.46	1.223	0.2485	41	1.02	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2325	14.83	0.0300	13.46	1.223	0.2485	41	1.12	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0968	15.00	0.1400	13.46	1.223	0.2485	41	1.26	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2196	15.01	0.0000	13.46	1.223	0.2485	41	1.27	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0278	15.30	0.0000	13.46	1.223	0.2485	41	1.51	7%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0037	15.45	0.2700	13.46	1.223	0.2485	41	1.62	7%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0354	18.21	0.4700	13.46	1.223	0.2485	41	3.88	18%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0504	18.44	0.1200	13.46	1.223	0.2485	41	4.07	19%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0407	15.60	2.041	13.46	1.223	0.2485	41	1.75	8%	1
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0889	34.26	0.0600	13.46	1.223	0.2485	41	17.01	77%	2
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0941	14.01	0.1300				2			0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	49.65	0.1750				2			0
010.03	Moisture, Karl-Fischer (%)	0164	9.045	0.0100				1			0
010.11	Moisture, NIR (%)	0852	7.745	0.0900	9.024	1.037	0.1017	4			0
010.11	Moisture, NIR (%)	0889	8.618	0.2050	9.024	1.037	0.1017	4			0
010.11	Moisture, NIR (%)	0885	9.840	0.0000	9.024	1.037	0.1017	4			0
010.11	Moisture, NIR (%)	0553	9.895	0.0100	9.024	1.037	0.1017	4			0
010.99	Moisture, Miscellaneous (%)	0852	7.745	0.0900	8.798	0.5452	0.1051	16	-1.93	6%	0
010.99	Moisture, Miscellaneous (%)	0011	7.830	0.1000	8.798	0.5452	0.1051	16	-1.77	5%	0
010.99	Moisture, Miscellaneous (%)	0019	8.165	0.1300	8.798	0.5452	0.1051	16	-1.16	4%	0
010.99	Moisture, Miscellaneous (%)	0622	8.435	0.0316	8.798	0.5452	0.1051	16	-0.66	2%	0
010.99	Moisture, Miscellaneous (%)	2076	8.605	0.4700	8.798	0.5452	0.1051	16	-0.35	1%	0
010.99	Moisture, Miscellaneous (%)	0692	8.620	0.4200	8.798	0.5452	0.1051	16	-0.33	1%	0
010.99	Moisture, Miscellaneous (%)	2375	8.695	0.0300	8.798	0.5452	0.1051	16	-0.19	1%	0
010.99	Moisture, Miscellaneous (%)	2129	8.785	0.0535	8.798	0.5452	0.1051	16	-0.02	0%	0
010.99	Moisture, Miscellaneous (%)	0726	8.960	0.0000	8.798	0.5452	0.1051	16	0.30	1%	0
010.99	Moisture, Miscellaneous (%)	0652	9.050	0.1000	8.798	0.5452	0.1051	16	0.46	1%	0
010.99	Moisture, Miscellaneous (%)	0884	9.050	0.1000	8.798	0.5452	0.1051	16	0.46	1%	0
010.99	Moisture, Miscellaneous (%)	0939	9.050	0.0200	8.798	0.5452	0.1051	16	0.46	1%	0
010.99	Moisture, Miscellaneous (%)	2089	9.085	0.2100	8.798	0.5452	0.1051	16	0.53	2%	0
010.99	Moisture, Miscellaneous (%)	0190	9.375	0.0300	8.798	0.5452	0.1051	16	1.06	3%	0
010.99	Moisture, Miscellaneous (%)	0964	9.461	0.1680	8.798	0.5452	0.1051	16	1.22	4%	0
010.99	Moisture, Miscellaneous (%)	2150	9.465	0.0500	8.798	0.5452	0.1051	16	1.22	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0026	7.720	0.0600	9.815	0.4027	0.0937	55	-5.20	11%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0520	8.615	0.2100	9.815	0.4027	0.0937	55	-2.98	6%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0622	8.886	0.1128	9.815	0.4027	0.0937	55	-2.31	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0880	9.210	0.0000	9.815	0.4027	0.0937	55	-1.50	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2434	9.370	0.0000	9.815	0.4027	0.0937	55	-1.10	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2359	9.400	0.2000	9.815	0.4027	0.0937	55	-1.03	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2325	9.425	0.0100	9.815	0.4027	0.0937	55	-0.97	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0643	9.426	0.0940	9.815	0.4027	0.0937	55	-0.96	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
011.01	Loss on Drying, HT, 135°C 2hr (%)	0968	9.430	0.0600	9.815	0.4027	0.0937	55	-0.95	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	9.440	0.1800	9.815	0.4027	0.0937	55	-0.93	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0354	9.460	0.2200	9.815	0.4027	0.0937	55	-0.88	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	9.483	0.0052	9.815	0.4027	0.0937	55	-0.82	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0953	9.535	0.1500	9.815	0.4027	0.0937	55	-0.69	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2188	9.535	0.0900	9.815	0.4027	0.0937	55	-0.69	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0651	9.550	0.6651	9.815	0.4027	0.0937	55	-0.66	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0226	9.590	0.0800	9.815	0.4027	0.0937	55	-0.56	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0553	9.590	0.0400	9.815	0.4027	0.0937	55	-0.56	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0674	9.600	0.0000	9.815	0.4027	0.0937	55	-0.53	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	9.605	0.1100	9.815	0.4027	0.0937	55	-0.52	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	9.650	0.1000	9.815	0.4027	0.0937	55	-0.41	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0263	9.652	0.1150	9.815	0.4027	0.0937	55	-0.40	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2006	9.660	0.1600	9.815	0.4027	0.0937	55	-0.38	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0202	9.670	0.3200	9.815	0.4027	0.0937	55	-0.36	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0598	9.685	0.0100	9.815	0.4027	0.0937	55	-0.32	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0848	9.700	0.0400	9.815	0.4027	0.0937	55	-0.28	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2181	9.700	0.0400	9.815	0.4027	0.0937	55	-0.28	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0100	9.730	0.0200	9.815	0.4027	0.0937	55	-0.21	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0298	9.750	0.0200	9.815	0.4027	0.0937	55	-0.16	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0675	9.750	0.0800	9.815	0.4027	0.0937	55	-0.16	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2022	9.790	0.0600	9.815	0.4027	0.0937	55	-0.06	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2196	9.810	0.0000	9.815	0.4027	0.0937	55	-0.01	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	9.880	0.0200	9.815	0.4027	0.0937	55	0.16	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0539	9.880	0.0200	9.815	0.4027	0.0937	55	0.16	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2433	9.905	0.1679	9.815	0.4027	0.0937	55	0.22	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	9.935	0.0100	9.815	0.4027	0.0937	55	0.30	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0144	10.06	0.1600	9.815	0.4027	0.0937	55	0.61	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0004	10.09	0.2600	9.815	0.4027	0.0937	55	0.68	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	10.10	0.0300	9.815	0.4027	0.0937	55	0.70	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0646	10.11	0.0800	9.815	0.4027	0.0937	55	0.73	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0685	10.11	0.0400	9.815	0.4027	0.0937	55	0.73	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0574	10.12	0.0300	9.815	0.4027	0.0937	55	0.75	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	10.13	0.0500	9.815	0.4027	0.0937	55	0.77	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0358	10.17	0.0500	9.815	0.4027	0.0937	55	0.87	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2453	10.17	0.0860	9.815	0.4027	0.0937	55	0.89	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	10.19	0.1653	9.815	0.4027	0.0937	55	0.93	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0682	10.21	0.0000	9.815	0.4027	0.0937	55	0.98	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2337	10.21	0.0400	9.815	0.4027	0.0937	55	0.98	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0618	10.23	0.0200	9.815	0.4027	0.0937	55	1.03	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2184	10.23	0.4800	9.815	0.4027	0.0937	55	1.03	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0123	10.26	0.2000	9.815	0.4027	0.0937	55	1.11	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
011.01	Loss on Drying, HT, 135°C 2hr (%)	0589	10.33	0.0200	9.815	0.4027	0.0937	55	1.28	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0541	10.50	0.0800	9.815	0.4027	0.0937	55	1.70	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2246	10.59	0.0900	9.815	0.4027	0.0937	55	1.91	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	10.80	0.0000	9.815	0.4027	0.0937	55	2.45	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0852	13.04	0.1300	9.815	0.4027	0.0937	55	8.00	16%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0843	10.15	1.590	9.815	0.4027	0.0937	55	0.82	2%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0942	9.815	0.1100				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	9.980	0.0400				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0852	13.04	0.1300				3			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	0852	9.120	0.3800				3			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	2303	9.866	0.2720				3			0
011.99	Loss on Drying, HT, High Temp. Methods Misc	2168	10.16	0.9000				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0689	2.750	0.3000	4.670	1.529	0.1885	10	-1.26	21%	0
012.00	Starch, Polarimetric (Ewers) (%)	0610	3.550	0.5000	4.670	1.529	0.1885	10	-0.73	12%	0
012.00	Starch, Polarimetric (Ewers) (%)	0619	3.585	0.2100	4.670	1.529	0.1885	10	-0.71	12%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	3.690	0.0200	4.670	1.529	0.1885	10	-0.64	10%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	4.305	0.1100	4.670	1.529	0.1885	10	-0.24	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	2196	4.530	0.0000	4.670	1.529	0.1885	10	-0.09	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0941	5.255	0.2700	4.670	1.529	0.1885	10	0.38	6%	0
012.00	Starch, Polarimetric (Ewers) (%)	0875	5.880	0.1400	4.670	1.529	0.1885	10	0.79	13%	0
012.00	Starch, Polarimetric (Ewers) (%)	2188	6.415	0.0300	4.670	1.529	0.1885	10	1.14	19%	0
012.00	Starch, Polarimetric (Ewers) (%)	2181	6.740	0.0000	4.670	1.529	0.1885	10	1.35	22%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0596	0.0310	0.0020	2.818	0.7344	0.1874	11	-3.80	49%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0164	1.950	0.1000	2.818	0.7344	0.1874	11	-1.18	15%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0366	2.400	0.2000	2.818	0.7344	0.1874	11	-0.57	7%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0407	2.462	0.7760	2.818	0.7344	0.1874	11	-0.49	6%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0918	2.664	0.3310	2.818	0.7344	0.1874	11	-0.21	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0956	3.000	0.2000	2.818	0.7344	0.1874	11	0.25	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0148	3.180	0.0200	2.818	0.7344	0.1874	11	0.49	6%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0045	3.185	0.2100	2.818	0.7344	0.1874	11	0.50	7%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0870	3.245	0.0896	2.818	0.7344	0.1874	11	0.58	8%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0693	3.280	0.2600	2.818	0.7344	0.1874	11	0.63	8%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	2089	4.755	0.2500	2.818	0.7344	0.1874	11	2.64	34%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0407	2.935	0.0306				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0297	3.050	0.0400				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0098	1.995	0.0100	2.616	0.5365	0.1156	6	-1.16	12%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	2129	2.419	0.1080	2.616	0.5365	0.1156	6	-0.37	4%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0510	2.450	0.1000	2.616	0.5365	0.1156	6	-0.31	3%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0226	2.660	0.0600	2.616	0.5365	0.1156	6	0.08	1%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0278	2.750	0.3000	2.616	0.5365	0.1156	6	0.25	3%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0674	4.570	0.0000	2.616	0.5365	0.1156	6	3.64	37%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0208	6.995	1.390	2.616	0.5365	0.1156	6	8.16	84%	1

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
012.11	Starch, NIR (%)	0852	0.9550	0.2700				3			0
012.11	Starch, NIR (%)	0297	6.215	0.0300				3			0
012.11	Starch, NIR (%)	0889	14.56	0.7950				3			0
012.20	Starch, Dietary, Enzymatic-Colorimetric (%)	0353	2.925	0.0300				1			0
012.99	Starch, Miscellaneous (%)	0066	3.469	0.1670				2			0
012.99	Starch, Miscellaneous (%)	2319	5.000	0.6000				2			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0689	2.350	0.1000	3.177	0.6114	0.1555	15	-1.35	13%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2076	2.505	0.0100	3.177	0.6114	0.1555	15	-1.10	11%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0083	2.555	0.1100	3.177	0.6114	0.1555	15	-1.02	10%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2345	2.745	0.3700	3.177	0.6114	0.1555	15	-0.71	7%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0941	2.825	0.1900	3.177	0.6114	0.1555	15	-0.58	6%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0675	3.035	0.0100	3.177	0.6114	0.1555	15	-0.23	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0650	3.145	0.2700	3.177	0.6114	0.1555	15	-0.05	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2144	3.185	0.0100	3.177	0.6114	0.1555	15	0.01	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0884	3.200	0.0000	3.177	0.6114	0.1555	15	0.04	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2319	3.250	0.1000	3.177	0.6114	0.1555	15	0.12	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0652	3.350	0.1000	3.177	0.6114	0.1555	15	0.28	3%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0297	3.535	0.1300	3.177	0.6114	0.1555	15	0.59	6%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0541	3.785	0.4900	3.177	0.6114	0.1555	15	0.99	10%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2150	4.180	0.0400	3.177	0.6114	0.1555	15	1.64	16%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0202	4.185	0.3500	3.177	0.6114	0.1555	15	1.65	16%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0038	2.950	1.020	3.650	0.3382	0.2530	14	-2.07	10%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0407	3.165	0.7100	3.650	0.3382	0.2530	14	-1.43	7%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0853	3.400	0.0000	3.650	0.3382	0.2530	14	-0.74	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0643	3.474	0.0230	3.650	0.3382	0.2530	14	-0.52	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0208	3.545	0.0300	3.650	0.3382	0.2530	14	-0.31	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0148	3.555	0.0100	3.650	0.3382	0.2530	14	-0.28	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0098	3.680	0.6800	3.650	0.3382	0.2530	14	0.09	0%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0164	3.710	0.0000	3.650	0.3382	0.2530	14	0.18	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0676	3.715	0.0500	3.650	0.3382	0.2530	14	0.19	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0870	3.753	0.0725	3.650	0.3382	0.2530	14	0.30	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0553	3.800	0.0400	3.650	0.3382	0.2530	14	0.44	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0914	3.965	0.2900	3.650	0.3382	0.2530	14	0.93	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	2259	4.040	0.0910	3.650	0.3382	0.2530	14	1.15	5%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolysis	0682	4.280	0.0000	3.650	0.3382	0.2530	14	1.86	9%	0
013.08	Fat, Pretreat, Roese-Gottlieb Modified, Alkaline	0618	2.718	0.0460				1			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2196	2.630	0.0000	2.944	0.2883	0.1060	6	-1.09	5%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0939	2.650	0.1600	2.944	0.2883	0.1060	6	-1.02	5%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0610	2.985	0.1100	2.944	0.2883	0.1060	6	0.14	1%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2349	2.995	0.0300	2.944	0.2883	0.1060	6	0.18	1%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0353	3.190	0.1800	2.944	0.2883	0.1060	6	0.85	4%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2442	3.215	0.0500	2.944	0.2883	0.1060	6	0.94	5%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2433	2.090	0.0352	2.980	0.5475	0.2462	8	-1.63	15%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0407	2.482	0.1479	2.980	0.5475	0.2462	8	-0.91	8%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0581	2.815	0.1500	2.980	0.5475	0.2462	8	-0.30	3%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0354	2.970	0.0200	2.980	0.5475	0.2462	8	-0.02	0%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	2129	3.061	0.2317	2.980	0.5475	0.2462	8	0.15	1%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0843	3.405	0.5700	2.980	0.5475	0.2462	8	0.78	7%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0074	3.425	1.050	2.980	0.5475	0.2462	8	0.81	7%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0968	3.525	0.1700	2.980	0.5475	0.2462	8	1.00	9%	0
013.99	Fat, Pretreat, Miscellaneous (%)	0918	3.045	0.3900				1			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	351.3	0.4927	373.0	15.38	6.659	4			0
015.41	Aluminum, ICP, Dry ash (ppm)	0049	373.3	0.2100	373.0	15.38	6.659	4			0
015.41	Aluminum, ICP, Dry ash (ppm)	0520	381.4	17.93	373.0	15.38	6.659	4			0
015.41	Aluminum, ICP, Dry ash (ppm)	0164	386.0	8.000	373.0	15.38	6.659	4			0
015.42	Aluminum, ICP, Open vessel (ppm)	0037	144.7	2.700				3			0
015.42	Aluminum, ICP, Open vessel (ppm)	0692	168.0	16.00				3			0
015.42	Aluminum, ICP, Open vessel (ppm)	2129	279.1	14.50				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	313.5	1.000	382.3	54.83	7.793	7	-1.25	9%	0
015.43	Aluminum, ICP, Microwave (ppm)	0297	341.5	3.000	382.3	54.83	7.793	7	-0.74	5%	0
015.43	Aluminum, ICP, Microwave (ppm)	0407	360.1	1.773	382.3	54.83	7.793	7	-0.40	3%	0
015.43	Aluminum, ICP, Microwave (ppm)	0169	380.0	2.000	382.3	54.83	7.793	7	-0.04	0%	0
015.43	Aluminum, ICP, Microwave (ppm)	0345	399.5	17.90	382.3	54.83	7.793	7	0.31	2%	0
015.43	Aluminum, ICP, Microwave (ppm)	0353	439.0	6.000	382.3	54.83	7.793	7	1.03	7%	0
015.43	Aluminum, ICP, Microwave (ppm)	0964	442.5	25.00	382.3	54.83	7.793	7	1.10	8%	0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0939	358.0	4.000				2			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	413.6	4.686				2			0
015.99	Aluminum, Miscellaneous (ppm)	0123	239.5	1.000				1			0
017.41	Boron, ICP, Dry ash (ppm)	0358	25.46	0.2300	27.01	1.500	0.7346	4			0
017.41	Boron, ICP, Dry ash (ppm)	0407	26.17	0.7085	27.01	1.500	0.7346	4			0
017.41	Boron, ICP, Dry ash (ppm)	0226	27.59	0.6100	27.01	1.500	0.7346	4			0
017.41	Boron, ICP, Dry ash (ppm)	0049	28.83	1.390	27.01	1.500	0.7346	4			0
017.42	Boron, ICP, Open vessel (ppm)	0693	23.28	4.130	25.09	2.057	2.095	4			0
017.42	Boron, ICP, Open vessel (ppm)	2129	23.63	0.5500	25.09	2.057	2.095	4			0
017.42	Boron, ICP, Open vessel (ppm)	0045	25.75	2.500	25.09	2.057	2.095	4			0
017.42	Boron, ICP, Open vessel (ppm)	0037	27.70	1.200	25.09	2.057	2.095	4			0
017.43	Boron, ICP, Microwave (ppm)	0353	3.320	0.0000	19.59	10.08	0.8297	6	-1.61	42%	0
017.43	Boron, ICP, Microwave (ppm)	0297	14.00	0.0000	19.59	10.08	0.8297	6	-0.55	14%	0
017.43	Boron, ICP, Microwave (ppm)	0083	21.30	0.6000	19.59	10.08	0.8297	6	0.17	4%	0
017.43	Boron, ICP, Microwave (ppm)	0510	24.50	1.000	19.59	10.08	0.8297	6	0.49	13%	0
017.43	Boron, ICP, Microwave (ppm)	0345	24.56	0.2900	19.59	10.08	0.8297	6	0.49	13%	0
017.43	Boron, ICP, Microwave (ppm)	0407	28.74	1.429	19.59	10.08	0.8297	6	0.91	23%	0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	30.73	2.210				1			0
017.99	Boron, Miscellaneous (ppm)	0123	25.70	0.8000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
019.00	Calcium, Ox-Mn04 Vol. (%)	2181	3.275	0.0500	3.385	0.1147	0.0436	6	-0.96	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2190	3.317	0.0444	3.385	0.1147	0.0436	6	-0.59	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2022	3.320	0.0600	3.385	0.1147	0.0436	6	-0.56	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	3.397	0.0820	3.385	0.1147	0.0436	6	0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	3.455	0.0100	3.385	0.1147	0.0436	6	0.61	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2109	3.544	0.0150	3.385	0.1147	0.0436	6	1.39	2%	0
019.08	Calcium, EDTA (%)	0590	3.240	0.0400	3.382	0.1087	0.0178	9	-1.31	2%	0
019.08	Calcium, EDTA (%)	2193	3.260	0.0400	3.382	0.1087	0.0178	9	-1.12	2%	0
019.08	Calcium, EDTA (%)	2337	3.345	0.0100	3.382	0.1087	0.0178	9	-0.34	1%	0
019.08	Calcium, EDTA (%)	0689	3.350	0.0200	3.382	0.1087	0.0178	9	-0.30	0%	0
019.08	Calcium, EDTA (%)	2196	3.380	0.0000	3.382	0.1087	0.0178	9	-0.02	0%	0
019.08	Calcium, EDTA (%)	2009	3.407	0.0009	3.382	0.1087	0.0178	9	0.23	0%	0
019.08	Calcium, EDTA (%)	0885	3.452	0.0038	3.382	0.1087	0.0178	9	0.64	1%	0
019.08	Calcium, EDTA (%)	2188	3.475	0.0100	3.382	0.1087	0.0178	9	0.86	1%	0
019.08	Calcium, EDTA (%)	2434	3.530	0.0000	3.382	0.1087	0.0178	9	1.36	2%	0
019.09	Calcium, Ion-selective electrode (%)	2006	3.310	0.0750				1			0
019.31	Calcium, AAS, Dry ash (%)	2453	1.902	0.0435	3.274	0.1758	0.0485	11	-7.80	21%	0
019.31	Calcium, AAS, Dry ash (%)	0038	3.070	0.1200	3.274	0.1758	0.0485	11	-1.16	3%	0
019.31	Calcium, AAS, Dry ash (%)	0622	3.153	0.0537	3.274	0.1758	0.0485	11	-0.69	2%	0
019.31	Calcium, AAS, Dry ash (%)	2246	3.185	0.0100	3.274	0.1758	0.0485	11	-0.51	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	3.255	0.0300	3.274	0.1758	0.0485	11	-0.11	0%	0
019.31	Calcium, AAS, Dry ash (%)	0529	3.270	0.0000	3.274	0.1758	0.0485	11	-0.02	0%	0
019.31	Calcium, AAS, Dry ash (%)	2196	3.360	0.0000	3.274	0.1758	0.0485	11	0.49	1%	0
019.31	Calcium, AAS, Dry ash (%)	0651	3.375	0.0952	3.274	0.1758	0.0485	11	0.57	2%	0
019.31	Calcium, AAS, Dry ash (%)	0001	3.420	0.0050	3.274	0.1758	0.0485	11	0.83	2%	0
019.31	Calcium, AAS, Dry ash (%)	0884	3.455	0.0300	3.274	0.1758	0.0485	11	1.03	3%	0
019.31	Calcium, AAS, Dry ash (%)	0646	3.460	0.0600	3.274	0.1758	0.0485	11	1.06	3%	0
019.31	Calcium, AAS, Dry ash (%)	0018	3.175	0.3900	3.274	0.1758	0.0485	11	-0.56	2%	1
019.32	Calcium, AAS, Open vessel (%)	0169	3.310	0.1400				1			0
019.33	Calcium, AAS, Microwave (%)	2022	3.385	0.1300				1			0
019.41	Calcium, ICP, Dry ash (%)	2259	3.017	0.1760	3.256	0.1705	0.0680	20	-1.40	4%	0
019.41	Calcium, ICP, Dry ash (%)	0520	3.021	0.0228	3.256	0.1705	0.0680	20	-1.38	4%	0
019.41	Calcium, ICP, Dry ash (%)	0298	3.090	0.0200	3.256	0.1705	0.0680	20	-0.97	3%	0
019.41	Calcium, ICP, Dry ash (%)	0848	3.120	0.0600	3.256	0.1705	0.0680	20	-0.80	2%	0
019.41	Calcium, ICP, Dry ash (%)	0358	3.130	0.1000	3.256	0.1705	0.0680	20	-0.74	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	3.140	0.1000	3.256	0.1705	0.0680	20	-0.68	2%	0
019.41	Calcium, ICP, Dry ash (%)	0066	3.140	0.0800	3.256	0.1705	0.0680	20	-0.68	2%	0
019.41	Calcium, ICP, Dry ash (%)	0910	3.160	0.0200	3.256	0.1705	0.0680	20	-0.56	1%	0
019.41	Calcium, ICP, Dry ash (%)	0019	3.200	0.0600	3.256	0.1705	0.0680	20	-0.33	1%	0
019.41	Calcium, ICP, Dry ash (%)	0674	3.250	0.0000	3.256	0.1705	0.0680	20	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0619	3.270	0.0600	3.256	0.1705	0.0680	20	0.08	0%	0
019.41	Calcium, ICP, Dry ash (%)	0144	3.310	0.1600	3.256	0.1705	0.0680	20	0.32	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0598	3.319	0.0023	3.256	0.1705	0.0680	20	0.37	1%	0
019.41	Calcium, ICP, Dry ash (%)	0148	3.360	0.0800	3.256	0.1705	0.0680	20	0.61	2%	0
019.41	Calcium, ICP, Dry ash (%)	0171	3.370	0.0600	3.256	0.1705	0.0680	20	0.67	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	3.393	0.0986	3.256	0.1705	0.0680	20	0.80	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	3.430	0.0800	3.256	0.1705	0.0680	20	1.02	3%	0
019.41	Calcium, ICP, Dry ash (%)	0685	3.450	0.0400	3.256	0.1705	0.0680	20	1.14	3%	0
019.41	Calcium, ICP, Dry ash (%)	0413	3.460	0.1200	3.256	0.1705	0.0680	20	1.19	3%	0
019.41	Calcium, ICP, Dry ash (%)	0049	3.495	0.0100	3.256	0.1705	0.0680	20	1.40	4%	0
019.41	Calcium, ICP, Dry ash (%)	0004	3.330	0.4000	3.256	0.1705	0.0680	20	0.43	1%	1
019.42	Calcium, ICP, Open vessel (%)	2129	2.752	0.0350	3.412	0.2943	0.0704	19	-2.25	10%	0
019.42	Calcium, ICP, Open vessel (%)	0026	2.845	0.2050	3.412	0.2943	0.0704	19	-1.93	8%	0
019.42	Calcium, ICP, Open vessel (%)	0278	3.015	0.0300	3.412	0.2943	0.0704	19	-1.35	6%	0
019.42	Calcium, ICP, Open vessel (%)	0009	3.276	0.1066	3.412	0.2943	0.0704	19	-0.46	2%	0
019.42	Calcium, ICP, Open vessel (%)	2433	3.289	0.0573	3.412	0.2943	0.0704	19	-0.42	2%	0
019.42	Calcium, ICP, Open vessel (%)	0357	3.321	0.0356	3.412	0.2943	0.0704	19	-0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0263	3.346	0.0140	3.412	0.2943	0.0704	19	-0.23	1%	0
019.42	Calcium, ICP, Open vessel (%)	0045	3.365	0.1100	3.412	0.2943	0.0704	19	-0.16	1%	0
019.42	Calcium, ICP, Open vessel (%)	2319	3.365	0.0700	3.412	0.2943	0.0704	19	-0.16	1%	0
019.42	Calcium, ICP, Open vessel (%)	0555	3.371	0.1110	3.412	0.2943	0.0704	19	-0.14	1%	0
019.42	Calcium, ICP, Open vessel (%)	0693	3.375	0.4300	3.412	0.2943	0.0704	19	-0.13	1%	0
019.42	Calcium, ICP, Open vessel (%)	0366	3.490	0.0400	3.412	0.2943	0.0704	19	0.26	1%	0
019.42	Calcium, ICP, Open vessel (%)	0042	3.515	0.1500	3.412	0.2943	0.0704	19	0.35	2%	0
019.42	Calcium, ICP, Open vessel (%)	0186	3.543	0.0855	3.412	0.2943	0.0704	19	0.44	2%	0
019.42	Calcium, ICP, Open vessel (%)	0037	3.556	0.0350	3.412	0.2943	0.0704	19	0.49	2%	0
019.42	Calcium, ICP, Open vessel (%)	0190	3.560	0.0200	3.412	0.2943	0.0704	19	0.50	2%	0
019.42	Calcium, ICP, Open vessel (%)	0870	3.799	0.0710	3.412	0.2943	0.0704	19	1.31	6%	0
019.42	Calcium, ICP, Open vessel (%)	2375	3.920	0.0200	3.412	0.2943	0.0704	19	1.73	7%	0
019.42	Calcium, ICP, Open vessel (%)	0726	4.045	0.0500	3.412	0.2943	0.0704	19	2.15	9%	0
019.42	Calcium, ICP, Open vessel (%)	0692	3.435	0.5900	3.412	0.2943	0.0704	19	0.08	0%	1
019.43	Calcium, ICP, Microwave (%)	0028	2.705	0.4300	3.382	0.1737	0.1237	27	-3.90	10%	0
019.43	Calcium, ICP, Microwave (%)	0511	3.125	0.1100	3.382	0.1737	0.1237	27	-1.48	4%	0
019.43	Calcium, ICP, Microwave (%)	0682	3.130	0.0000	3.382	0.1737	0.1237	27	-1.45	4%	0
019.43	Calcium, ICP, Microwave (%)	0297	3.195	0.0500	3.382	0.1737	0.1237	27	-1.08	3%	0
019.43	Calcium, ICP, Microwave (%)	0354	3.196	0.0440	3.382	0.1737	0.1237	27	-1.07	3%	0
019.43	Calcium, ICP, Microwave (%)	0226	3.255	0.0300	3.382	0.1737	0.1237	27	-0.73	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	3.290	0.0000	3.382	0.1737	0.1237	27	-0.53	1%	0
019.43	Calcium, ICP, Microwave (%)	0353	3.300	0.0400	3.382	0.1737	0.1237	27	-0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0876	3.300	0.2000	3.382	0.1737	0.1237	27	-0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0011	3.330	0.2600	3.382	0.1737	0.1237	27	-0.30	1%	0
019.43	Calcium, ICP, Microwave (%)	0345	3.347	0.0630	3.382	0.1737	0.1237	27	-0.20	1%	0
019.43	Calcium, ICP, Microwave (%)	0035	3.355	0.1100	3.382	0.1737	0.1237	27	-0.16	0%	0
019.43	Calcium, ICP, Microwave (%)	0202	3.365	0.4500	3.382	0.1737	0.1237	27	-0.10	0%	0



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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
019.43	Calcium, ICP, Microwave (%)	0010	3.370	0.0600	3.382	0.1737	0.1237	27	-0.07	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	3.370	0.1200	3.382	0.1737	0.1237	27	-0.07	0%	0
019.43	Calcium, ICP, Microwave (%)	0510	3.430	0.1800	3.382	0.1737	0.1237	27	0.28	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	3.442	0.3566	3.382	0.1737	0.1237	27	0.34	1%	0
019.43	Calcium, ICP, Microwave (%)	0675	3.445	0.0100	3.382	0.1737	0.1237	27	0.36	1%	0
019.43	Calcium, ICP, Microwave (%)	0870	3.455	0.2030	3.382	0.1737	0.1237	27	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0083	3.455	0.0700	3.382	0.1737	0.1237	27	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0089	3.520	0.0000	3.382	0.1737	0.1237	27	0.79	2%	0
019.43	Calcium, ICP, Microwave (%)	0610	3.540	0.0000	3.382	0.1737	0.1237	27	0.91	2%	0
019.43	Calcium, ICP, Microwave (%)	0036	3.551	0.0530	3.382	0.1737	0.1237	27	0.97	2%	0
019.43	Calcium, ICP, Microwave (%)	0407	3.567	0.1917	3.382	0.1737	0.1237	27	1.06	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	3.590	0.1130	3.382	0.1737	0.1237	27	1.19	3%	0
019.43	Calcium, ICP, Microwave (%)	0038	3.630	0.1000	3.382	0.1737	0.1237	27	1.43	4%	0
019.43	Calcium, ICP, Microwave (%)	0968	3.644	0.0010	3.382	0.1737	0.1237	27	1.51	4%	0
019.44	Calcium, ICP, Dry ash (%)	0164	3.390	0.0800				2			0
019.44	Calcium, ICP, Dry ash (%)	2114	3.441	0.0344				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	3.090	0.0000				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	3.341	0.0922				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	3.957	0.0051				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0939	3.305	0.0700				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	3.458	0.2175				2			0
019.99	Calcium, Miscellaneous (%)	0889	0.7800	0.0200	3.185	0.2402	0.0960	6	-10.01	38%	0
019.99	Calcium, Miscellaneous (%)	2302	3.075	0.0100	3.185	0.2402	0.0960	6	-0.46	2%	0
019.99	Calcium, Miscellaneous (%)	0590	3.195	0.1700	3.185	0.2402	0.0960	6	0.04	0%	0
019.99	Calcium, Miscellaneous (%)	0676	3.280	0.0800	3.185	0.2402	0.0960	6	0.40	1%	0
019.99	Calcium, Miscellaneous (%)	0123	3.310	0.3000	3.185	0.2402	0.0960	6	0.52	2%	0
019.99	Calcium, Miscellaneous (%)	0100	3.425	0.0100	3.185	0.2402	0.0960	6	1.00	4%	0
021.31	Cobalt, AAS, Dry ash (ppm)	0939	3.465	0.0700				1			0
021.41	Cobalt, ICP, Dry ash (ppm)	0619	1.525	0.0100	3.384	0.7376	0.0937	6	-2.52	27%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0066	3.110	0.1300	3.384	0.7376	0.0937	6	-0.37	4%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0164	3.350	0.1000	3.384	0.7376	0.0937	6	-0.05	0%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	3.575	0.0021	3.384	0.7376	0.0937	6	0.26	3%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0171	3.870	0.0800	3.384	0.7376	0.0937	6	0.66	7%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0148	4.120	0.2400	3.384	0.7376	0.0937	6	1.00	11%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0366	3.300	0.4000				3			0
021.42	Cobalt, ICP, Open vessel (ppm)	0045	3.330	0.1000				3			0
021.42	Cobalt, ICP, Open vessel (ppm)	0555	3.411	0.0600				3			0
021.42	Cobalt, ICP, Open vessel (ppm)	0042	2.415	0.0900				3			2
021.43	Cobalt, ICP, Microwave (ppm)	0345	2.335	0.2100	3.757	0.5375	0.1187	10	-2.65	19%	0
021.43	Cobalt, ICP, Microwave (ppm)	0297	3.000	0.0000	3.757	0.5375	0.1187	10	-1.41	10%	0
021.43	Cobalt, ICP, Microwave (ppm)	0407	3.496	0.0817	3.757	0.5375	0.1187	10	-0.49	3%	0
021.43	Cobalt, ICP, Microwave (ppm)	0510	3.685	0.0900	3.757	0.5375	0.1187	10	-0.13	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
021.43	Cobalt, ICP, Microwave (ppm)	0964	3.845	0.2900	3.757	0.5375	0.1187	10	0.16	1%	0
021.43	Cobalt, ICP, Microwave (ppm)	0169	3.995	0.0100	3.757	0.5375	0.1187	10	0.44	3%	0
021.43	Cobalt, ICP, Microwave (ppm)	0610	4.085	0.0700	3.757	0.5375	0.1187	10	0.61	4%	0
021.43	Cobalt, ICP, Microwave (ppm)	0027	4.086	0.0290	3.757	0.5375	0.1187	10	0.61	4%	0
021.43	Cobalt, ICP, Microwave (ppm)	0682	4.100	0.0000	3.757	0.5375	0.1187	10	0.64	5%	0
021.43	Cobalt, ICP, Microwave (ppm)	0038	4.330	0.1800	3.757	0.5375	0.1187	10	1.07	8%	0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0910	2.670	0.1600				3			0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0186	2.980	0.2000				3			0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0047	3.160	0.2200				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0015	1.995	0.1100				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0939	3.330	0.2600				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	3.716	0.4431				3			0
021.99	Cobalt, Miscellaneous (ppm)	0123	3.585	0.1300				1			0
022.31	Copper, AAS, Dry ash (ppm)	0001	62.07	1.480	65.95	4.855	1.047	4			0
022.31	Copper, AAS, Dry ash (ppm)	0939	62.47	0.4600	65.95	4.855	1.047	4			0
022.31	Copper, AAS, Dry ash (ppm)	2196	66.75	0.0000	65.95	4.855	1.047	4			0
022.31	Copper, AAS, Dry ash (ppm)	0529	72.50	1.200	65.95	4.855	1.047	4			0
022.31	Copper, AAS, Dry ash (ppm)	0651	71.36	5.083	65.95	4.855	1.047	4			1
022.32	Copper, AAS, Open vessel (ppm)	0038	68.55	0.1000				1			0
022.33	Copper, AAS, Microwave (ppm)	2022	65.99	2.220				1			0
022.41	Copper, ICP, Dry ash (ppm)	0848	52.19	0.7500	61.95	5.169	1.665	15	-1.89	8%	0
022.41	Copper, ICP, Dry ash (ppm)	0598	54.58	0.8085	61.95	5.169	1.665	15	-1.43	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0674	57.09	0.0000	61.95	5.169	1.665	15	-0.94	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0049	59.89	2.650	61.95	5.169	1.665	15	-0.40	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0910	60.50	1.000	61.95	5.169	1.665	15	-0.28	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	60.73	0.7070	61.95	5.169	1.665	15	-0.24	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0358	60.83	2.820	61.95	5.169	1.665	15	-0.22	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0019	61.30	0.2600	61.95	5.169	1.665	15	-0.13	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0520	62.82	1.246	61.95	5.169	1.665	15	0.17	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0619	63.05	2.100	61.95	5.169	1.665	15	0.21	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0004	64.45	0.9100	61.95	5.169	1.665	15	0.48	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	65.05	2.960	61.95	5.169	1.665	15	0.60	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	66.36	1.820	61.95	5.169	1.665	15	0.85	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0148	68.73	5.240	61.95	5.169	1.665	15	1.31	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	73.80	1.930	61.95	5.169	1.665	15	2.29	10%	0
022.42	Copper, ICP, Open vessel (ppm)	0026	51.42	4.626	66.25	3.250	2.434	21	-4.56	11%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	59.88	2.330	66.25	3.250	2.434	21	-1.96	5%	0
022.42	Copper, ICP, Open vessel (ppm)	0692	61.43	4.850	66.25	3.250	2.434	21	-1.48	4%	0
022.42	Copper, ICP, Open vessel (ppm)	2319	63.15	1.500	66.25	3.250	2.434	21	-0.95	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0278	63.50	3.600	66.25	3.250	2.434	21	-0.85	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0186	64.60	2.800	66.25	3.250	2.434	21	-0.51	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0263	64.78	0.0800	66.25	3.250	2.434	21	-0.45	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
022.42	Copper, ICP, Open vessel (ppm)	0009	65.75	1.500	66.25	3.250	2.434	21	-0.15	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0357	66.23	0.5970	66.25	3.250	2.434	21	0.00	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0726	66.34	0.3000	66.25	3.250	2.434	21	0.03	0%	0
022.42	Copper, ICP, Open vessel (ppm)	2129	66.61	0.7000	66.25	3.250	2.434	21	0.11	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0693	66.75	9.770	66.25	3.250	2.434	21	0.15	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0366	67.50	1.000	66.25	3.250	2.434	21	0.38	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0042	67.90	3.200	66.25	3.250	2.434	21	0.51	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0555	67.96	7.170	66.25	3.250	2.434	21	0.52	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0037	68.00	2.000	66.25	3.250	2.434	21	0.54	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0413	68.28	3.490	66.25	3.250	2.434	21	0.62	2%	0
022.42	Copper, ICP, Open vessel (ppm)	2433	68.67	3.820	66.25	3.250	2.434	21	0.75	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0685	70.19	1.000	66.25	3.250	2.434	21	1.21	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0045	70.40	2.600	66.25	3.250	2.434	21	1.28	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0190	70.47	0.3600	66.25	3.250	2.434	21	1.30	3%	0
022.42	Copper, ICP, Open vessel (ppm)	2375	4.000	0.0000	66.25	3.250	2.434	21	-19.15	47%	2
022.43	Copper, ICP, Microwave (ppm)	0354	54.96	1.040	65.73	5.203	1.793	26	-2.07	8%	0
022.43	Copper, ICP, Microwave (ppm)	0848	55.72	1.060	65.73	5.203	1.793	26	-1.92	8%	0
022.43	Copper, ICP, Microwave (ppm)	2089	59.68	3.340	65.73	5.203	1.793	26	-1.16	5%	0
022.43	Copper, ICP, Microwave (ppm)	0511	60.00	2.000	65.73	5.203	1.793	26	-1.10	4%	0
022.43	Copper, ICP, Microwave (ppm)	0345	60.15	0.7000	65.73	5.203	1.793	26	-1.07	4%	0
022.43	Copper, ICP, Microwave (ppm)	0083	60.74	1.250	65.73	5.203	1.793	26	-0.96	4%	0
022.43	Copper, ICP, Microwave (ppm)	0510	62.50	1.000	65.73	5.203	1.793	26	-0.62	2%	0
022.43	Copper, ICP, Microwave (ppm)	0169	63.15	0.5000	65.73	5.203	1.793	26	-0.50	2%	0
022.43	Copper, ICP, Microwave (ppm)	0682	63.30	0.0000	65.73	5.203	1.793	26	-0.47	2%	0
022.43	Copper, ICP, Microwave (ppm)	0098	64.41	0.1000	65.73	5.203	1.793	26	-0.25	1%	0
022.43	Copper, ICP, Microwave (ppm)	0675	65.47	1.760	65.73	5.203	1.793	26	-0.05	0%	0
022.43	Copper, ICP, Microwave (ppm)	0035	65.50	1.000	65.73	5.203	1.793	26	-0.04	0%	0
022.43	Copper, ICP, Microwave (ppm)	0297	65.50	1.000	65.73	5.203	1.793	26	-0.04	0%	0
022.43	Copper, ICP, Microwave (ppm)	0876	66.08	2.130	65.73	5.203	1.793	26	0.07	0%	0
022.43	Copper, ICP, Microwave (ppm)	0407	66.13	0.3067	65.73	5.203	1.793	26	0.08	0%	0
022.43	Copper, ICP, Microwave (ppm)	0968	67.13	0.2070	65.73	5.203	1.793	26	0.27	1%	0
022.43	Copper, ICP, Microwave (ppm)	0964	68.30	5.000	65.73	5.203	1.793	26	0.49	2%	0
022.43	Copper, ICP, Microwave (ppm)	0027	68.34	0.5780	65.73	5.203	1.793	26	0.50	2%	0
022.43	Copper, ICP, Microwave (ppm)	0870	68.37	3.220	65.73	5.203	1.793	26	0.51	2%	0
022.43	Copper, ICP, Microwave (ppm)	0010	68.55	0.5000	65.73	5.203	1.793	26	0.54	2%	0
022.43	Copper, ICP, Microwave (ppm)	0226	69.11	0.4500	65.73	5.203	1.793	26	0.65	3%	0
022.43	Copper, ICP, Microwave (ppm)	0610	70.75	5.700	65.73	5.203	1.793	26	0.97	4%	0
022.43	Copper, ICP, Microwave (ppm)	0353	71.00	2.000	65.73	5.203	1.793	26	1.01	4%	0
022.43	Copper, ICP, Microwave (ppm)	0505	71.85	3.570	65.73	5.203	1.793	26	1.18	5%	0
022.43	Copper, ICP, Microwave (ppm)	0038	76.35	4.900	65.73	5.203	1.793	26	2.04	8%	0
022.43	Copper, ICP, Microwave (ppm)	2192	78.75	6.100	65.73	5.203	1.793	26	2.50	10%	0
022.43	Copper, ICP, Microwave (ppm)	0202	64.65	15.90	65.73	5.203	1.793	26	-0.21	1%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
022.44	Copper, ICP, Dry ash (ppm)	0066	58.01	1.900				3			0
022.44	Copper, ICP, Dry ash (ppm)	0164	64.50	3.000				3			0
022.44	Copper, ICP, Dry ash (ppm)	2114	67.67	4.008				3			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0186	62.05	4.500				2			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	76.47	4.300				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0939	61.84	1.350				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	75.35	3.076				2			0
022.99	Copper, Miscellaneous (ppm)	0590	56.20	2.800				3			0
022.99	Copper, Miscellaneous (ppm)	0123	62.75	2.900				3			0
022.99	Copper, Miscellaneous (ppm)	0100	64.00	0.0000				3			0
024.52	Iodine, ICP-MS, Open vessel (ppm)	0910	5.474	0.5620				1			0
025.31	Iron, AAS, Dry ash (ppm)	2196	583.9	0.0000	631.9	45.70	20.50	7	-1.05	4%	0
025.31	Iron, AAS, Dry ash (ppm)	0529	597.4	11.20	631.9	45.70	20.50	7	-0.75	3%	0
025.31	Iron, AAS, Dry ash (ppm)	0939	605.1	15.94	631.9	45.70	20.50	7	-0.59	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0001	632.6	8.400	631.9	45.70	20.50	7	0.02	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0038	645.5	3.000	631.9	45.70	20.50	7	0.30	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0651	658.4	33.58	631.9	45.70	20.50	7	0.58	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0596	700.0	50.86	631.9	45.70	20.50	7	1.49	5%	0
025.33	Iron, AAS, Microwave (ppm)	2022	639.1	6.750				1			0
025.41	Iron, ICP, Dry ash (ppm)	0066	467.8	16.02	596.6	42.08	10.55	16	-3.06	11%	0
025.41	Iron, ICP, Dry ash (ppm)	0619	536.5	17.00	596.6	42.08	10.55	16	-1.43	5%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	557.8	5.036	596.6	42.08	10.55	16	-0.92	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0520	559.5	15.87	596.6	42.08	10.55	16	-0.88	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	580.2	1.500	596.6	42.08	10.55	16	-0.39	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0598	584.2	1.556	596.6	42.08	10.55	16	-0.29	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0910	585.0	12.00	596.6	42.08	10.55	16	-0.27	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0019	594.5	0.6000	596.6	42.08	10.55	16	-0.05	0%	0
025.41	Iron, ICP, Dry ash (ppm)	2114	603.9	1.230	596.6	42.08	10.55	16	0.17	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0674	605.0	0.0000	596.6	42.08	10.55	16	0.20	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	618.5	3.000	596.6	42.08	10.55	16	0.52	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0358	623.2	22.55	596.6	42.08	10.55	16	0.63	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	626.1	16.55	596.6	42.08	10.55	16	0.70	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0004	637.2	29.17	596.6	42.08	10.55	16	0.97	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0226	643.9	10.59	596.6	42.08	10.55	16	1.12	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0148	656.2	10.52	596.6	42.08	10.55	16	1.42	5%	0
025.41	Iron, ICP, Dry ash (ppm)	0049	676.5	73.41	596.6	42.08	10.55	16	1.90	7%	1
025.42	Iron, ICP, Open vessel (ppm)	0037	148.2	40.10	539.6	83.06	21.53	20	-4.71	36%	0
025.42	Iron, ICP, Open vessel (ppm)	0278	218.0	26.00	539.6	83.06	21.53	20	-3.87	30%	0
025.42	Iron, ICP, Open vessel (ppm)	0726	247.1	2.200	539.6	83.06	21.53	20	-3.52	27%	0
025.42	Iron, ICP, Open vessel (ppm)	0042	329.5	61.00	539.6	83.06	21.53	20	-2.53	19%	0
025.42	Iron, ICP, Open vessel (ppm)	0190	484.2	8.920	539.6	83.06	21.53	20	-0.67	5%	0
025.42	Iron, ICP, Open vessel (ppm)	2319	511.0	8.000	539.6	83.06	21.53	20	-0.34	3%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
025.42	Iron, ICP, Open vessel (ppm)	0009	545.0	14.00	539.6	83.06	21.53	20	0.07	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0692	545.5	41.00	539.6	83.06	21.53	20	0.07	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0026	550.9	64.29	539.6	83.06	21.53	20	0.14	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0413	555.5	17.00	539.6	83.06	21.53	20	0.19	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0555	556.1	25.00	539.6	83.06	21.53	20	0.20	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0263	570.6	1.270	539.6	83.06	21.53	20	0.37	3%	0
025.42	Iron, ICP, Open vessel (ppm)	2129	577.9	2.700	539.6	83.06	21.53	20	0.46	4%	0
025.42	Iron, ICP, Open vessel (ppm)	2433	578.0	11.61	539.6	83.06	21.53	20	0.46	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0693	579.0	64.65	539.6	83.06	21.53	20	0.48	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0357	593.6	0.3000	539.6	83.06	21.53	20	0.65	5%	0
025.42	Iron, ICP, Open vessel (ppm)	0045	609.0	38.00	539.6	83.06	21.53	20	0.84	6%	0
025.42	Iron, ICP, Open vessel (ppm)	0870	620.4	6.600	539.6	83.06	21.53	20	0.97	7%	0
025.42	Iron, ICP, Open vessel (ppm)	2375	622.0	6.000	539.6	83.06	21.53	20	0.99	8%	0
025.42	Iron, ICP, Open vessel (ppm)	0366	633.0	22.00	539.6	83.06	21.53	20	1.12	9%	0
025.43	Iron, ICP, Microwave (ppm)	0511	537.5	23.00	614.0	49.20	19.21	23	-1.55	6%	0
025.43	Iron, ICP, Microwave (ppm)	0345	541.1	2.200	614.0	49.20	19.21	23	-1.48	6%	0
025.43	Iron, ICP, Microwave (ppm)	0083	551.4	2.550	614.0	49.20	19.21	23	-1.27	5%	0
025.43	Iron, ICP, Microwave (ppm)	0169	551.5	5.000	614.0	49.20	19.21	23	-1.27	5%	0
025.43	Iron, ICP, Microwave (ppm)	0354	557.6	0.3900	614.0	49.20	19.21	23	-1.15	5%	0
025.43	Iron, ICP, Microwave (ppm)	0510	585.0	2.000	614.0	49.20	19.21	23	-0.59	2%	0
025.43	Iron, ICP, Microwave (ppm)	0297	596.5	49.00	614.0	49.20	19.21	23	-0.36	1%	0
025.43	Iron, ICP, Microwave (ppm)	0675	599.1	27.33	614.0	49.20	19.21	23	-0.30	1%	0
025.43	Iron, ICP, Microwave (ppm)	0682	606.2	0.0000	614.0	49.20	19.21	23	-0.16	1%	0
025.43	Iron, ICP, Microwave (ppm)	0353	613.5	1.000	614.0	49.20	19.21	23	-0.01	0%	0
025.43	Iron, ICP, Microwave (ppm)	0610	616.0	30.00	614.0	49.20	19.21	23	0.04	0%	0
025.43	Iron, ICP, Microwave (ppm)	2089	620.4	50.35	614.0	49.20	19.21	23	0.13	1%	0
025.43	Iron, ICP, Microwave (ppm)	0964	625.0	56.00	614.0	49.20	19.21	23	0.22	1%	0
025.43	Iron, ICP, Microwave (ppm)	0505	631.3	10.30	614.0	49.20	19.21	23	0.35	1%	0
025.43	Iron, ICP, Microwave (ppm)	0968	631.7	9.871	614.0	49.20	19.21	23	0.36	1%	0
025.43	Iron, ICP, Microwave (ppm)	0098	634.5	48.10	614.0	49.20	19.21	23	0.42	2%	0
025.43	Iron, ICP, Microwave (ppm)	0226	635.2	6.850	614.0	49.20	19.21	23	0.43	2%	0
025.43	Iron, ICP, Microwave (ppm)	0876	639.8	28.20	614.0	49.20	19.21	23	0.52	2%	0
025.43	Iron, ICP, Microwave (ppm)	0870	654.9	2.300	614.0	49.20	19.21	23	0.83	3%	0
025.43	Iron, ICP, Microwave (ppm)	0035	662.5	5.000	614.0	49.20	19.21	23	0.99	4%	0
025.43	Iron, ICP, Microwave (ppm)	2192	663.0	74.00	614.0	49.20	19.21	23	1.00	4%	0
025.43	Iron, ICP, Microwave (ppm)	0027	677.5	1.805	614.0	49.20	19.21	23	1.29	5%	0
025.43	Iron, ICP, Microwave (ppm)	0038	711.0	12.00	614.0	49.20	19.21	23	1.97	8%	0
025.43	Iron, ICP, Microwave (ppm)	0407	476.4	149.8	614.0	49.20	19.21	23	-2.80	11%	1
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	324.1	27.70				1			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	499.5	145.7				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0939	606.5	31.00				2			0
025.99	Iron, Miscellaneous (ppm)	0123	542.5	27.00				3			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
025.99	Iron, Miscellaneous (ppm)	0100	582.5	3.000				3			0
025.99	Iron, Miscellaneous (ppm)	0590	611.5	49.00				3			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.4600	0.0000	0.4809	0.0155	0.0055	4			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.4785	0.0010	0.4809	0.0155	0.0055	4			0
027.31	Magnesium, AAS, Dry ash (%)	2196	0.4900	0.0000	0.4809	0.0155	0.0055	4			0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.4950	0.0100	0.4809	0.0155	0.0055	4			0
027.31	Magnesium, AAS, Dry ash (%)	0038	0.4835	0.0250	0.4809	0.0155	0.0055	4			1
027.32	Magnesium, AAS, Open vessel (%)	0169	0.4700	0.0000				1			0
027.41	Magnesium, ICP, Dry ash (%)	0674	0.4200	0.0000	0.4731	0.0260	0.0098	16	-2.04	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.4500	0.0000	0.4731	0.0260	0.0098	16	-0.89	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0066	0.4520	0.0220	0.4731	0.0260	0.0098	16	-0.81	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	0.4550	0.0100	0.4731	0.0260	0.0098	16	-0.69	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.4550	0.0100	0.4731	0.0260	0.0098	16	-0.69	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.4550	0.0100	0.4731	0.0260	0.0098	16	-0.69	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.4598	0.0038	0.4731	0.0260	0.0098	16	-0.51	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.4650	0.0100	0.4731	0.0260	0.0098	16	-0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.4700	0.0200	0.4731	0.0260	0.0098	16	-0.12	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.4850	0.0100	0.4731	0.0260	0.0098	16	0.46	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.4885	0.0050	0.4731	0.0260	0.0098	16	0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.4921	0.0004	0.4731	0.0260	0.0098	16	0.73	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.4940	0.0020	0.4731	0.0260	0.0098	16	0.80	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.5040	0.0163	0.4731	0.0260	0.0098	16	1.19	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.5050	0.0100	0.4731	0.0260	0.0098	16	1.23	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.5050	0.0100	0.4731	0.0260	0.0098	16	1.23	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.4205	0.0230	0.4849	0.0307	0.0147	21	-2.10	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.4223	0.0069	0.4849	0.0307	0.0147	21	-2.04	6%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.4486	0.0063	0.4849	0.0307	0.0147	21	-1.18	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.4540	0.0200	0.4849	0.0307	0.0147	21	-1.01	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.4680	0.0040	0.4849	0.0307	0.0147	21	-0.55	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.4700	0.0400	0.4849	0.0307	0.0147	21	-0.49	2%	0
027.42	Magnesium, ICP, Open vessel (%)	2319	0.4700	0.0000	0.4849	0.0307	0.0147	21	-0.49	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.4755	0.0050	0.4849	0.0307	0.0147	21	-0.31	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.4800	0.0400	0.4849	0.0307	0.0147	21	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.4800	0.0200	0.4849	0.0307	0.0147	21	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.4850	0.0300	0.4849	0.0307	0.0147	21	0.00	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.4870	0.0100	0.4849	0.0307	0.0147	21	0.07	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.4870	0.0180	0.4849	0.0307	0.0147	21	0.07	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.4950	0.0100	0.4849	0.0307	0.0147	21	0.33	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.5005	0.0024	0.4849	0.0307	0.0147	21	0.51	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.5050	0.0100	0.4849	0.0307	0.0147	21	0.65	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.5059	0.0113	0.4849	0.0307	0.0147	21	0.68	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.5185	0.0190	0.4849	0.0307	0.0147	21	1.09	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
027.42	Magnesium, ICP, Open vessel (%)	0186	0.5195	0.0044	0.4849	0.0307	0.0147	21	1.13	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2433	0.5255	0.0175	0.4849	0.0307	0.0147	21	1.32	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2375	0.5500	0.0000	0.4849	0.0307	0.0147	21	2.12	7%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.4400	0.0200	0.4847	0.0258	0.0174	26	-1.73	5%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.4450	0.0040	0.4847	0.0258	0.0174	26	-1.54	4%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.4550	0.0100	0.4847	0.0258	0.0174	26	-1.15	3%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.4580	0.0060	0.4847	0.0258	0.0174	26	-1.03	3%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.4600	0.0600	0.4847	0.0258	0.0174	26	-0.96	3%	0
027.43	Magnesium, ICP, Microwave (%)	0226	0.4650	0.0100	0.4847	0.0258	0.0174	26	-0.76	2%	0
027.43	Magnesium, ICP, Microwave (%)	0010	0.4700	0.0200	0.4847	0.0258	0.0174	26	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.4700	0.0200	0.4847	0.0258	0.0174	26	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.4700	0.0200	0.4847	0.0258	0.0174	26	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0610	0.4750	0.0100	0.4847	0.0258	0.0174	26	-0.37	1%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.4800	0.0200	0.4847	0.0258	0.0174	26	-0.18	0%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.4800	0.0000	0.4847	0.0258	0.0174	26	-0.18	0%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.4800	0.0000	0.4847	0.0258	0.0174	26	-0.18	0%	0
027.43	Magnesium, ICP, Microwave (%)	0505	0.4845	0.0110	0.4847	0.0258	0.0174	26	-0.01	0%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.4900	0.0000	0.4847	0.0258	0.0174	26	0.21	1%	0
027.43	Magnesium, ICP, Microwave (%)	0089	0.4900	0.0000	0.4847	0.0258	0.0174	26	0.21	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.4945	0.0030	0.4847	0.0258	0.0174	26	0.38	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.5000	0.0400	0.4847	0.0258	0.0174	26	0.59	2%	0
027.43	Magnesium, ICP, Microwave (%)	0876	0.5000	0.0200	0.4847	0.0258	0.0174	26	0.59	2%	0
027.43	Magnesium, ICP, Microwave (%)	0354	0.5005	0.0010	0.4847	0.0258	0.0174	26	0.61	2%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.5013	0.0372	0.4847	0.0258	0.0174	26	0.64	2%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.5100	0.0000	0.4847	0.0258	0.0174	26	0.98	3%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.5138	0.0236	0.4847	0.0258	0.0174	26	1.13	3%	0
027.43	Magnesium, ICP, Microwave (%)	0011	0.5150	0.0100	0.4847	0.0258	0.0174	26	1.18	3%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.5251	0.0186	0.4847	0.0258	0.0174	26	1.57	4%	0
027.43	Magnesium, ICP, Microwave (%)	0038	0.5315	0.0310	0.4847	0.0258	0.0174	26	1.81	5%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.4722	0.0006				2			0
027.44	Magnesium, ICP, Dry ash (%)	0164	0.4915	0.0090				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.4933	0.0104				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.4950	0.0500				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.5213	0.0088				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0939	0.4800	0.0200				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.4975	0.0281				2			0
027.99	Magnesium, Miscellaneous (%)	0123	0.4800	0.0000				3			0
027.99	Magnesium, Miscellaneous (%)	0100	0.4850	0.0100				3			0
027.99	Magnesium, Miscellaneous (%)	0590	0.5000	0.0200				3			0
027.99	Magnesium, Miscellaneous (%)	0889	0.2000	0.0000				3			2
028.31	Manganese, AAS, Dry ash (ppm)	0651	283.8	16.59	315.8	34.69	5.515	6	-0.92	5%	0
028.31	Manganese, AAS, Dry ash (ppm)	2196	292.4	0.0000	315.8	34.69	5.515	6	-0.67	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
028.31	Manganese, AAS, Dry ash (ppm)	0529	307.0	0.1000	315.8	34.69	5.515	6	-0.25	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0939	310.6	2.850	315.8	34.69	5.515	6	-0.15	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0001	333.1	7.100	315.8	34.69	5.515	6	0.50	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0596	404.3	0.9400	315.8	34.69	5.515	6	2.55	14%	0
028.32	Manganese, AAS, Open vessel (ppm)	0038	330.5	1.000				1			0
028.33	Manganese, AAS, Microwave (ppm)	2022	339.0	3.900				1			0
028.41	Manganese, ICP, Dry ash (ppm)	0619	243.5	13.00	306.8	17.09	7.338	14	-3.70	10%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	287.4	10.24	306.8	17.09	7.338	14	-1.14	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0910	292.0	2.000	306.8	17.09	7.338	14	-0.87	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0358	294.1	1.970	306.8	17.09	7.338	14	-0.74	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0520	299.7	23.21	306.8	17.09	7.338	14	-0.41	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	301.8	4.600	306.8	17.09	7.338	14	-0.29	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0019	307.9	12.80	306.8	17.09	7.338	14	0.06	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0598	310.4	0.9919	306.8	17.09	7.338	14	0.21	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	310.8	4.200	306.8	17.09	7.338	14	0.23	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0049	312.3	13.09	306.8	17.09	7.338	14	0.32	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0004	315.4	7.520	306.8	17.09	7.338	14	0.50	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0674	322.7	0.0000	306.8	17.09	7.338	14	0.93	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	327.2	1.570	306.8	17.09	7.338	14	1.19	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0148	341.5	7.134	306.8	17.09	7.338	14	2.03	6%	0
028.42	Manganese, ICP, Open vessel (ppm)	0026	268.7	0.3880	317.7	13.02	10.01	22	-3.76	8%	0
028.42	Manganese, ICP, Open vessel (ppm)	0685	287.0	1.000	317.7	13.02	10.01	22	-2.35	5%	0
028.42	Manganese, ICP, Open vessel (ppm)	0186	305.5	8.600	317.7	13.02	10.01	22	-0.93	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	2129	305.9	5.100	317.7	13.02	10.01	22	-0.91	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0042	306.0	32.00	317.7	13.02	10.01	22	-0.90	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0692	308.0	26.00	317.7	13.02	10.01	22	-0.74	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	2433	310.0	18.18	317.7	13.02	10.01	22	-0.59	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0693	312.2	16.26	317.7	13.02	10.01	22	-0.42	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	2319	314.0	16.00	317.7	13.02	10.01	22	-0.28	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0263	314.9	4.283	317.7	13.02	10.01	22	-0.21	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0366	315.0	8.000	317.7	13.02	10.01	22	-0.20	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0009	320.5	15.00	317.7	13.02	10.01	22	0.22	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0555	322.1	17.80	317.7	13.02	10.01	22	0.34	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0413	322.9	14.70	317.7	13.02	10.01	22	0.40	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0870	323.7	19.90	317.7	13.02	10.01	22	0.46	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0278	324.0	4.000	317.7	13.02	10.01	22	0.49	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0037	325.6	2.500	317.7	13.02	10.01	22	0.61	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0357	327.5	4.487	317.7	13.02	10.01	22	0.75	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0190	327.7	1.000	317.7	13.02	10.01	22	0.77	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0045	333.5	3.000	317.7	13.02	10.01	22	1.22	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0726	336.4	3.100	317.7	13.02	10.01	22	1.44	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	2375	357.5	11.00	317.7	13.02	10.01	22	3.06	6%	0



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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
028.43	Manganese, ICP, Microwave (ppm)	0354	273.4	2.200	310.8	22.71	9.453	24	-1.65	6%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	278.5	5.000	310.8	22.71	9.453	24	-1.42	5%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	285.5	11.00	310.8	22.71	9.453	24	-1.12	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0345	287.8	3.300	310.8	22.71	9.453	24	-1.02	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0035	289.5	3.000	310.8	22.71	9.453	24	-0.94	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0010	295.6	0.3000	310.8	22.71	9.453	24	-0.67	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0169	299.0	2.000	310.8	22.71	9.453	24	-0.52	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0083	299.7	1.040	310.8	22.71	9.453	24	-0.49	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0505	300.3	1.900	310.8	22.71	9.453	24	-0.47	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0297	302.0	4.000	310.8	22.71	9.453	24	-0.39	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	304.4	3.784	310.8	22.71	9.453	24	-0.28	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0610	309.0	28.00	310.8	22.71	9.453	24	-0.08	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	312.8	12.10	310.8	22.71	9.453	24	0.08	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0682	313.8	0.0000	310.8	22.71	9.453	24	0.13	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	317.4	15.95	310.8	22.71	9.453	24	0.29	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0226	321.9	4.260	310.8	22.71	9.453	24	0.49	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0968	323.8	1.102	310.8	22.71	9.453	24	0.57	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0876	324.3	29.00	310.8	22.71	9.453	24	0.59	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0675	330.8	22.12	310.8	22.71	9.453	24	0.88	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	331.8	11.30	310.8	22.71	9.453	24	0.92	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0353	332.0	12.00	310.8	22.71	9.453	24	0.93	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	333.8	28.03	310.8	22.71	9.453	24	1.01	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0964	358.5	21.00	310.8	22.71	9.453	24	2.10	8%	0
028.43	Manganese, ICP, Microwave (ppm)	0038	365.5	9.000	310.8	22.71	9.453	24	2.41	9%	0
028.43	Manganese, ICP, Microwave (ppm)	0202	325.5	75.00	310.8	22.71	9.453	24	0.65	2%	1
028.44	Manganese, ICP, Dry ash (ppm)	0066	240.8	8.660	283.4	35.12	20.00	4			0
028.44	Manganese, ICP, Dry ash (ppm)	0039	268.7	31.70	283.4	35.12	20.00	4			0
028.44	Manganese, ICP, Dry ash (ppm)	0164	309.0	16.00	283.4	35.12	20.00	4			0
028.44	Manganese, ICP, Dry ash (ppm)	2114	315.3	23.63	283.4	35.12	20.00	4			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0186	334.7	17.30				2			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	337.0	38.95				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0939	302.5	23.00				3			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	337.2	10.22				3			0
028.53	Manganese, ICP-MS, Microwave (ppm)	2192	357.5	21.00				3			0
028.99	Manganese, Miscellaneous (ppm)	0590	298.0	14.00				3			0
028.99	Manganese, Miscellaneous (ppm)	0123	304.0	6.000				3			0
028.99	Manganese, Miscellaneous (ppm)	0100	337.5	11.00				3			0
030.01	Nitrate, Ion-selective electrode (%)	0357	0.0051	0.0006				1			0
031.01	Phosphorus, Photometric (%)	2453	1.223	0.0198	1.456	0.0481	0.0188	25	-4.83	8%	0
031.01	Phosphorus, Photometric (%)	2181	1.315	0.0100	1.456	0.0481	0.0188	25	-2.93	5%	0
031.01	Phosphorus, Photometric (%)	2006	1.392	0.0180	1.456	0.0481	0.0188	25	-1.32	2%	0
031.01	Phosphorus, Photometric (%)	0646	1.395	0.0300	1.456	0.0481	0.0188	25	-1.26	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
031.01	Phosphorus, Photometric (%)	0038	1.400	0.0400	1.456	0.0481	0.0188	25	-1.16	2%	0
031.01	Phosphorus, Photometric (%)	0885	1.403	0.0277	1.456	0.0481	0.0188	25	-1.08	2%	0
031.01	Phosphorus, Photometric (%)	2144	1.430	0.0000	1.456	0.0481	0.0188	25	-0.53	1%	0
031.01	Phosphorus, Photometric (%)	0689	1.435	0.0500	1.456	0.0481	0.0188	25	-0.43	1%	0
031.01	Phosphorus, Photometric (%)	2302	1.440	0.0400	1.456	0.0481	0.0188	25	-0.32	1%	0
031.01	Phosphorus, Photometric (%)	0622	1.456	0.0045	1.456	0.0481	0.0188	25	0.01	0%	0
031.01	Phosphorus, Photometric (%)	2196	1.460	0.0000	1.456	0.0481	0.0188	25	0.09	0%	0
031.01	Phosphorus, Photometric (%)	2190	1.462	0.0138	1.456	0.0481	0.0188	25	0.13	0%	0
031.01	Phosphorus, Photometric (%)	0651	1.465	0.0203	1.456	0.0481	0.0188	25	0.20	0%	0
031.01	Phosphorus, Photometric (%)	0939	1.470	0.0200	1.456	0.0481	0.0188	25	0.30	0%	0
031.01	Phosphorus, Photometric (%)	0590	1.475	0.0100	1.456	0.0481	0.0188	25	0.40	1%	0
031.01	Phosphorus, Photometric (%)	2434	1.475	0.0100	1.456	0.0481	0.0188	25	0.40	1%	0
031.01	Phosphorus, Photometric (%)	2109	1.477	0.0330	1.456	0.0481	0.0188	25	0.44	1%	0
031.01	Phosphorus, Photometric (%)	2193	1.480	0.0000	1.456	0.0481	0.0188	25	0.51	1%	0
031.01	Phosphorus, Photometric (%)	2337	1.485	0.0100	1.456	0.0481	0.0188	25	0.61	1%	0
031.01	Phosphorus, Photometric (%)	2009	1.487	0.0017	1.456	0.0481	0.0188	25	0.66	1%	0
031.01	Phosphorus, Photometric (%)	0884	1.495	0.0100	1.456	0.0481	0.0188	25	0.82	1%	0
031.01	Phosphorus, Photometric (%)	2188	1.500	0.0000	1.456	0.0481	0.0188	25	0.92	2%	0
031.01	Phosphorus, Photometric (%)	2246	1.500	0.0000	1.456	0.0481	0.0188	25	0.92	2%	0
031.01	Phosphorus, Photometric (%)	0529	1.515	0.0100	1.456	0.0481	0.0188	25	1.24	2%	0
031.01	Phosphorus, Photometric (%)	2022	1.525	0.0100	1.456	0.0481	0.0188	25	1.44	2%	0
031.01	Phosphorus, Photometric (%)	0018	2.765	0.0300	1.456	0.0481	0.0188	25	27.25	45%	2
031.03	Phosphorus, Autoanalyzer (%)	0169	1.440	0.0400				2			0
031.03	Phosphorus, Autoanalyzer (%)	0001	1.474	0.0200				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0848	1.300	0.0200	1.460	0.0869	0.0239	19	-1.84	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	1.355	0.0100	1.460	0.0869	0.0239	19	-1.21	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	1.355	0.0100	1.460	0.0869	0.0239	19	-1.21	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	2259	1.394	0.0070	1.460	0.0869	0.0239	19	-0.77	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0674	1.400	0.0000	1.460	0.0869	0.0239	19	-0.69	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	1.400	0.0400	1.460	0.0869	0.0239	19	-0.69	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0298	1.410	0.0200	1.460	0.0869	0.0239	19	-0.58	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	1.420	0.1000	1.460	0.0869	0.0239	19	-0.46	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	1.427	0.0025	1.460	0.0869	0.0239	19	-0.39	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	1.475	0.0110	1.460	0.0869	0.0239	19	0.17	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	1.485	0.0100	1.460	0.0869	0.0239	19	0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	1.520	0.0400	1.460	0.0869	0.0239	19	0.69	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	1.524	0.0280	1.460	0.0869	0.0239	19	0.73	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	1.525	0.0100	1.460	0.0869	0.0239	19	0.74	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	1.530	0.0600	1.460	0.0869	0.0239	19	0.80	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.537	0.0231	1.460	0.0869	0.0239	19	0.89	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	1.545	0.0700	1.460	0.0869	0.0239	19	0.97	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	1.550	0.0000	1.460	0.0869	0.0239	19	1.03	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
031.41	Phosphorus, ICP, Dry ash (%)	0226	1.565	0.0100	1.460	0.0869	0.0239	19	1.20	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	1.460	0.1400	1.460	0.0869	0.0239	19	0.00	0%	1
031.42	Phosphorus, ICP, Open vessel (%)	0026	1.327	0.0530	1.505	0.0959	0.0462	21	-1.87	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	1.328	0.0090	1.505	0.0959	0.0462	21	-1.86	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	1.400	0.1000	1.505	0.0959	0.0462	21	-1.10	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	1.420	0.0600	1.505	0.0959	0.0462	21	-0.89	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	1.425	0.0700	1.505	0.0959	0.0462	21	-0.84	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	1.452	0.0093	1.505	0.0959	0.0462	21	-0.56	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2433	1.470	0.0003	1.505	0.0959	0.0462	21	-0.37	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	1.475	0.1500	1.505	0.0959	0.0462	21	-0.32	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	1.480	0.0600	1.505	0.0959	0.0462	21	-0.27	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	1.484	0.0207	1.505	0.0959	0.0462	21	-0.23	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	1.500	0.0200	1.505	0.0959	0.0462	21	-0.06	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	2319	1.520	0.0200	1.505	0.0959	0.0462	21	0.15	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	1.537	0.0330	1.505	0.0959	0.0462	21	0.32	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	1.550	0.0100	1.505	0.0959	0.0462	21	0.46	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	1.557	0.0040	1.505	0.0959	0.0462	21	0.54	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0009	1.564	0.0825	1.505	0.0959	0.0462	21	0.61	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	1.574	0.0880	1.505	0.0959	0.0462	21	0.71	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	1.585	0.0300	1.505	0.0959	0.0462	21	0.83	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	1.600	0.0000	1.505	0.0959	0.0462	21	0.99	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	1.650	0.1000	1.505	0.0959	0.0462	21	1.51	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	2375	1.760	0.0000	1.505	0.0959	0.0462	21	2.65	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	1.250	0.1600	1.530	0.1061	0.0314	28	-2.63	9%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	1.345	0.0100	1.530	0.1061	0.0314	28	-1.74	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	1.420	0.0400	1.530	0.1061	0.0314	28	-1.03	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	1.420	0.0400	1.530	0.1061	0.0314	28	-1.03	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	1.430	0.0000	1.530	0.1061	0.0314	28	-0.94	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	1.434	0.0080	1.530	0.1061	0.0314	28	-0.90	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	1.450	0.0000	1.530	0.1061	0.0314	28	-0.75	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	1.450	0.0200	1.530	0.1061	0.0314	28	-0.75	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0610	1.470	0.0400	1.530	0.1061	0.0314	28	-0.56	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	1.480	0.0400	1.530	0.1061	0.0314	28	-0.47	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.496	0.0650	1.530	0.1061	0.0314	28	-0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0876	1.500	0.0000	1.530	0.1061	0.0314	28	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0354	1.525	0.0000	1.530	0.1061	0.0314	28	-0.04	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0505	1.530	0.0010	1.530	0.1061	0.0314	28	0.00	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	1.530	0.0200	1.530	0.1061	0.0314	28	0.00	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0226	1.540	0.0000	1.530	0.1061	0.0314	28	0.10	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	1.552	0.0020	1.530	0.1061	0.0314	28	0.21	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.564	0.0610	1.530	0.1061	0.0314	28	0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	1.565	0.0100	1.530	0.1061	0.0314	28	0.33	1%	0

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031.43	Phosphorus, ICP, Microwave (%)	0011	1.580	0.0800	1.530	0.1061	0.0314	28	0.48	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	1.582	0.0235	1.530	0.1061	0.0314	28	0.49	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	1.600	0.0340	1.530	0.1061	0.0314	28	0.67	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	1.625	0.0100	1.530	0.1061	0.0314	28	0.90	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	1.636	0.0661	1.530	0.1061	0.0314	28	1.00	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.650	0.0200	1.530	0.1061	0.0314	28	1.14	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	1.681	0.0080	1.530	0.1061	0.0314	28	1.43	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0038	1.725	0.0300	1.530	0.1061	0.0314	28	1.84	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0089	1.850	0.0000	1.530	0.1061	0.0314	28	3.02	10%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	1.490	0.1800	1.530	0.1061	0.0314	28	-0.37	1%	1
031.44	Phosphorus, ICP, Dry ash (%)	0066	1.383	0.0640				3			0
031.44	Phosphorus, ICP, Dry ash (%)	2114	1.472	0.0222				3			0
031.44	Phosphorus, ICP, Dry ash (%)	0164	1.490	0.0200				3			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	1.456	0.0091				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	1.776	0.0027				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0939	1.540	0.0800				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	1.664	0.1331				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	1.380	0.0200				3			0
031.99	Phosphorus, Miscellaneous (%)	0100	1.470	0.0400				3			0
031.99	Phosphorus, Miscellaneous (%)	0123	1.540	0.0600				3			0
031.99	Phosphorus, Miscellaneous (%)	0889	0.0700	0.0000				3			2
032.08	Potassium, Ion-selective electrode (%)	2434	1.720	0.0000				1			0
032.31	Potassium, AAS, Dry ash (%)	0596	1.680	0.0000	1.808	0.0885		4			0
032.31	Potassium, AAS, Dry ash (%)	2196	1.820	0.0000	1.808	0.0885		4			0
032.31	Potassium, AAS, Dry ash (%)	0939	1.850	0.0000	1.808	0.0885		4			0
032.31	Potassium, AAS, Dry ash (%)	0529	1.880	0.0200	1.808	0.0885		4			0
032.31	Potassium, AAS, Dry ash (%)	0038	1.825	0.0700	1.808	0.0885		4			1
032.32	Potassium, AAS, Open vessel (%)	0169	1.785	0.0100				1			0
032.41	Potassium, ICP, Dry ash (%)	0910	1.690	0.0600	1.861	0.1195	0.0321	16	-1.43	5%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.695	0.0100	1.861	0.1195	0.0321	16	-1.39	4%	0
032.41	Potassium, ICP, Dry ash (%)	0674	1.710	0.0000	1.861	0.1195	0.0321	16	-1.26	4%	0
032.41	Potassium, ICP, Dry ash (%)	0066	1.776	0.0610	1.861	0.1195	0.0321	16	-0.72	2%	0
032.41	Potassium, ICP, Dry ash (%)	0358	1.805	0.0300	1.861	0.1195	0.0321	16	-0.47	2%	0
032.41	Potassium, ICP, Dry ash (%)	0598	1.813	0.0070	1.861	0.1195	0.0321	16	-0.40	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	1.855	0.0300	1.861	0.1195	0.0321	16	-0.05	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.860	0.0400	1.861	0.1195	0.0321	16	-0.01	0%	0
032.41	Potassium, ICP, Dry ash (%)	0619	1.885	0.0300	1.861	0.1195	0.0321	16	0.20	1%	0
032.41	Potassium, ICP, Dry ash (%)	0148	1.890	0.0000	1.861	0.1195	0.0321	16	0.24	1%	0
032.41	Potassium, ICP, Dry ash (%)	0144	1.910	0.0200	1.861	0.1195	0.0321	16	0.41	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.951	0.0454	1.861	0.1195	0.0321	16	0.75	2%	0
032.41	Potassium, ICP, Dry ash (%)	0413	1.960	0.0400	1.861	0.1195	0.0321	16	0.83	3%	0
032.41	Potassium, ICP, Dry ash (%)	0226	1.970	0.0000	1.861	0.1195	0.0321	16	0.91	3%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
032.41	Potassium, ICP, Dry ash (%)	0520	2.002	0.0143	1.861	0.1195	0.0321	16	1.18	4%	0
032.41	Potassium, ICP, Dry ash (%)	0098	2.005	0.0300	1.861	0.1195	0.0321	16	1.20	4%	0
032.41	Potassium, ICP, Dry ash (%)	0004	1.850	0.3400	1.861	0.1195	0.0321	16	-0.09	0%	1
032.42	Potassium, ICP, Open vessel (%)	0278	1.705	0.0500	1.956	0.1130	0.0511	20	-2.22	6%	0
032.42	Potassium, ICP, Open vessel (%)	2129	1.825	0.0350	1.956	0.1130	0.0511	20	-1.16	3%	0
032.42	Potassium, ICP, Open vessel (%)	0357	1.843	0.0109	1.956	0.1130	0.0511	20	-1.00	3%	0
032.42	Potassium, ICP, Open vessel (%)	0045	1.845	0.0300	1.956	0.1130	0.0511	20	-0.98	3%	0
032.42	Potassium, ICP, Open vessel (%)	0693	1.880	0.1600	1.956	0.1130	0.0511	20	-0.67	2%	0
032.42	Potassium, ICP, Open vessel (%)	2433	1.893	0.0113	1.956	0.1130	0.0511	20	-0.55	2%	0
032.42	Potassium, ICP, Open vessel (%)	0263	1.907	0.0080	1.956	0.1130	0.0511	20	-0.43	1%	0
032.42	Potassium, ICP, Open vessel (%)	0042	1.930	0.0800	1.956	0.1130	0.0511	20	-0.23	1%	0
032.42	Potassium, ICP, Open vessel (%)	0692	1.935	0.1300	1.956	0.1130	0.0511	20	-0.18	1%	0
032.42	Potassium, ICP, Open vessel (%)	0037	1.950	0.0270	1.956	0.1130	0.0511	20	-0.05	0%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.955	0.0390	1.956	0.1130	0.0511	20	-0.01	0%	0
032.42	Potassium, ICP, Open vessel (%)	0009	1.955	0.1451	1.956	0.1130	0.0511	20	-0.01	0%	0
032.42	Potassium, ICP, Open vessel (%)	0190	1.960	0.0200	1.956	0.1130	0.0511	20	0.04	0%	0
032.42	Potassium, ICP, Open vessel (%)	0047	2.000	0.0000	1.956	0.1130	0.0511	20	0.39	1%	0
032.42	Potassium, ICP, Open vessel (%)	0726	2.005	0.0100	1.956	0.1130	0.0511	20	0.44	1%	0
032.42	Potassium, ICP, Open vessel (%)	0555	2.006	0.0100	1.956	0.1130	0.0511	20	0.45	1%	0
032.42	Potassium, ICP, Open vessel (%)	0186	2.063	0.0540	1.956	0.1130	0.0511	20	0.95	3%	0
032.42	Potassium, ICP, Open vessel (%)	0366	2.180	0.0400	1.956	0.1130	0.0511	20	1.99	6%	0
032.42	Potassium, ICP, Open vessel (%)	2375	2.350	0.0600	1.956	0.1130	0.0511	20	3.49	10%	0
032.42	Potassium, ICP, Open vessel (%)	0026	2.426	0.1180	1.956	0.1130	0.0511	20	4.16	12%	0
032.43	Potassium, ICP, Microwave (%)	0028	1.665	0.0500	1.877	0.0798	0.0542	28	-2.65	6%	0
032.43	Potassium, ICP, Microwave (%)	0297	1.760	0.0800	1.877	0.0798	0.0542	28	-1.46	3%	0
032.43	Potassium, ICP, Microwave (%)	0226	1.770	0.0200	1.877	0.0798	0.0542	28	-1.34	3%	0
032.43	Potassium, ICP, Microwave (%)	0036	1.775	0.0301	1.877	0.0798	0.0542	28	-1.27	3%	0
032.43	Potassium, ICP, Microwave (%)	0083	1.790	0.0400	1.877	0.0798	0.0542	28	-1.09	2%	0
032.43	Potassium, ICP, Microwave (%)	0610	1.825	0.0100	1.877	0.0798	0.0542	28	-0.65	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.835	0.0300	1.877	0.0798	0.0542	28	-0.52	1%	0
032.43	Potassium, ICP, Microwave (%)	0511	1.840	0.0400	1.877	0.0798	0.0542	28	-0.46	1%	0
032.43	Potassium, ICP, Microwave (%)	0345	1.843	0.0550	1.877	0.0798	0.0542	28	-0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.845	0.0700	1.877	0.0798	0.0542	28	-0.40	1%	0
032.43	Potassium, ICP, Microwave (%)	0876	1.850	0.1000	1.877	0.0798	0.0542	28	-0.33	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.860	0.0000	1.877	0.0798	0.0542	28	-0.21	0%	0
032.43	Potassium, ICP, Microwave (%)	0035	1.865	0.0100	1.877	0.0798	0.0542	28	-0.15	0%	0
032.43	Potassium, ICP, Microwave (%)	0968	1.868	0.0660	1.877	0.0798	0.0542	28	-0.11	0%	0
032.43	Potassium, ICP, Microwave (%)	0011	1.875	0.0300	1.877	0.0798	0.0542	28	-0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0682	1.880	0.0000	1.877	0.0798	0.0542	28	0.04	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.883	0.0610	1.877	0.0798	0.0542	28	0.07	0%	0
032.43	Potassium, ICP, Microwave (%)	0505	1.897	0.0060	1.877	0.0798	0.0542	28	0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	0354	1.901	0.0010	1.877	0.0798	0.0542	28	0.30	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	0202	1.920	0.1200	1.877	0.0798	0.0542	28	0.54	1%	0
032.43	Potassium, ICP, Microwave (%)	0964	1.934	0.1710	1.877	0.0798	0.0542	28	0.71	2%	0
032.43	Potassium, ICP, Microwave (%)	0010	1.940	0.0200	1.877	0.0798	0.0542	28	0.79	2%	0
032.43	Potassium, ICP, Microwave (%)	0870	1.949	0.1210	1.877	0.0798	0.0542	28	0.90	2%	0
032.43	Potassium, ICP, Microwave (%)	0353	1.960	0.0200	1.877	0.0798	0.0542	28	1.04	2%	0
032.43	Potassium, ICP, Microwave (%)	0675	1.960	0.0200	1.877	0.0798	0.0542	28	1.04	2%	0
032.43	Potassium, ICP, Microwave (%)	0038	1.975	0.1300	1.877	0.0798	0.0542	28	1.23	3%	0
032.43	Potassium, ICP, Microwave (%)	0407	2.039	0.1073	1.877	0.0798	0.0542	28	2.03	4%	0
032.43	Potassium, ICP, Microwave (%)	0089	2.080	0.0000	1.877	0.0798	0.0542	28	2.55	5%	0
032.44	Potassium, ICP, Dry ash (%)	2114	1.877	0.0006				2			0
032.44	Potassium, ICP, Dry ash (%)	0164	1.895	0.0300				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	1.560	0.0231				3			0
032.52	Potassium, ICP-MS, Open vessel (%)	2319	1.885	0.0100				3			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	1.928	0.0670				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0939	1.890	0.0200				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	1.931	0.0796				2			0
032.99	Potassium, Miscellaneous (%)	0889	0.5400	0.0000	1.739	0.2689	0.0478	6	-4.46	34%	0
032.99	Potassium, Miscellaneous (%)	2302	1.580	0.0200	1.739	0.2689	0.0478	6	-0.59	5%	0
032.99	Potassium, Miscellaneous (%)	0100	1.800	0.0400	1.739	0.2689	0.0478	6	0.23	2%	0
032.99	Potassium, Miscellaneous (%)	0590	1.845	0.1100	1.739	0.2689	0.0478	6	0.39	3%	0
032.99	Potassium, Miscellaneous (%)	0001	1.934	0.0290	1.739	0.2689	0.0478	6	0.72	6%	0
032.99	Potassium, Miscellaneous (%)	0123	1.940	0.0400	1.739	0.2689	0.0478	6	0.75	6%	0
033.00	Salt as chloride, Sol Cl (%)	0298	0.2000	0.0200	2.465	0.1329	0.0413	16	-17.05	46%	0
033.00	Salt as chloride, Sol Cl (%)	0366	1.540	0.0600	2.465	0.1329	0.0413	16	-6.96	19%	0
033.00	Salt as chloride, Sol Cl (%)	0539	2.255	0.1300	2.465	0.1329	0.0413	16	-1.58	4%	0
033.00	Salt as chloride, Sol Cl (%)	0511	2.400	0.0000	2.465	0.1329	0.0413	16	-0.49	1%	0
033.00	Salt as chloride, Sol Cl (%)	2009	2.452	0.0079	2.465	0.1329	0.0413	16	-0.10	0%	0
033.00	Salt as chloride, Sol Cl (%)	0675	2.460	0.0400	2.465	0.1329	0.0413	16	-0.04	0%	0
033.00	Salt as chloride, Sol Cl (%)	2196	2.460	0.0000	2.465	0.1329	0.0413	16	-0.04	0%	0
033.00	Salt as chloride, Sol Cl (%)	0885	2.473	0.0402	2.465	0.1329	0.0413	16	0.06	0%	0
033.00	Salt as chloride, Sol Cl (%)	0353	2.475	0.0300	2.465	0.1329	0.0413	16	0.07	0%	0
033.00	Salt as chloride, Sol Cl (%)	0123	2.500	0.0400	2.465	0.1329	0.0413	16	0.26	1%	0
033.00	Salt as chloride, Sol Cl (%)	0884	2.505	0.0500	2.465	0.1329	0.0413	16	0.30	1%	0
033.00	Salt as chloride, Sol Cl (%)	2022	2.505	0.0300	2.465	0.1329	0.0413	16	0.30	1%	0
033.00	Salt as chloride, Sol Cl (%)	2337	2.580	0.0000	2.465	0.1329	0.0413	16	0.86	2%	0
033.00	Salt as chloride, Sol Cl (%)	0183	2.600	0.0000	2.465	0.1329	0.0413	16	1.01	3%	0
033.00	Salt as chloride, Sol Cl (%)	0045	2.615	0.0100	2.465	0.1329	0.0413	16	1.13	3%	0
033.00	Salt as chloride, Sol Cl (%)	0693	2.620	0.1000	2.465	0.1329	0.0413	16	1.17	3%	0
033.01	Salt as chloride, Poten Cl (%)	0278	2.425	0.0500	2.538	0.0424	0.0188	27	-2.66	2%	0
033.01	Salt as chloride, Poten Cl (%)	0619	2.435	0.0100	2.538	0.0424	0.0188	27	-2.42	2%	0
033.01	Salt as chloride, Poten Cl (%)	0354	2.479	0.0040	2.538	0.0424	0.0188	27	-1.39	1%	0
033.01	Salt as chloride, Poten Cl (%)	0186	2.480	0.0000	2.538	0.0424	0.0188	27	-1.36	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
033.01	Salt as chloride, Poten Cl (%)	2109	2.501	0.0840	2.538	0.0424	0.0188	27	-0.87	1%	0
033.01	Salt as chloride, Poten Cl (%)	2190	2.504	0.0256	2.538	0.0424	0.0188	27	-0.79	1%	0
033.01	Salt as chloride, Poten Cl (%)	0226	2.505	0.0300	2.538	0.0424	0.0188	27	-0.77	1%	0
033.01	Salt as chloride, Poten Cl (%)	0939	2.505	0.0100	2.538	0.0424	0.0188	27	-0.77	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	2.515	0.0170	2.538	0.0424	0.0188	27	-0.55	0%	0
033.01	Salt as chloride, Poten Cl (%)	0028	2.525	0.0100	2.538	0.0424	0.0188	27	-0.30	0%	0
033.01	Salt as chloride, Poten Cl (%)	2375	2.530	0.0200	2.538	0.0424	0.0188	27	-0.18	0%	0
033.01	Salt as chloride, Poten Cl (%)	0083	2.540	0.0200	2.538	0.0424	0.0188	27	0.05	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	2.545	0.0100	2.538	0.0424	0.0188	27	0.17	0%	0
033.01	Salt as chloride, Poten Cl (%)	0100	2.545	0.0500	2.538	0.0424	0.0188	27	0.17	0%	0
033.01	Salt as chloride, Poten Cl (%)	2146	2.545	0.0100	2.538	0.0424	0.0188	27	0.17	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	2.555	0.0100	2.538	0.0424	0.0188	27	0.41	0%	0
033.01	Salt as chloride, Poten Cl (%)	0413	2.555	0.0100	2.538	0.0424	0.0188	27	0.41	0%	0
033.01	Salt as chloride, Poten Cl (%)	0590	2.555	0.0900	2.538	0.0424	0.0188	27	0.41	0%	0
033.01	Salt as chloride, Poten Cl (%)	0026	2.560	0.0200	2.538	0.0424	0.0188	27	0.53	0%	0
033.01	Salt as chloride, Poten Cl (%)	0407	2.561	0.0030	2.538	0.0424	0.0188	27	0.54	0%	0
033.01	Salt as chloride, Poten Cl (%)	0148	2.570	0.0000	2.538	0.0424	0.0188	27	0.76	1%	0
033.01	Salt as chloride, Poten Cl (%)	0682	2.570	0.0000	2.538	0.0424	0.0188	27	0.76	1%	0
033.01	Salt as chloride, Poten Cl (%)	0010	2.570	0.0200	2.538	0.0424	0.0188	27	0.76	1%	0
033.01	Salt as chloride, Poten Cl (%)	0004	2.580	0.0200	2.538	0.0424	0.0188	27	1.00	1%	0
033.01	Salt as chloride, Poten Cl (%)	0019	2.580	0.0000	2.538	0.0424	0.0188	27	1.00	1%	0
033.01	Salt as chloride, Poten Cl (%)	0001	2.595	0.0100	2.538	0.0424	0.0188	27	1.35	1%	0
033.01	Salt as chloride, Poten Cl (%)	2319	2.610	0.0000	2.538	0.0424	0.0188	27	1.70	1%	0
033.03	Salt as chloride, Quantab (%)	0190	2.120	0.0000	2.432	0.2315	0.1900	5			0
033.03	Salt as chloride, Quantab (%)	0505	2.330	0.1800	2.432	0.2315	0.1900	5			0
033.03	Salt as chloride, Quantab (%)	0144	2.460	0.0000	2.432	0.2315	0.1900	5			0
033.03	Salt as chloride, Quantab (%)	2076	2.500	0.2000	2.432	0.2315	0.1900	5			0
033.03	Salt as chloride, Quantab (%)	0726	2.750	0.0000	2.432	0.2315	0.1900	5			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	2.155	0.0100				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2434	2.250	0.0000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	2.495	0.0100				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0918	2.265	0.1500				3			1
033.99	Salt, Miscellaneous (%)	2181	2.405	0.0500	2.476	0.0768	0.0413	8	-0.92	1%	0
033.99	Salt, Miscellaneous (%)	0358	2.415	0.0900	2.476	0.0768	0.0413	8	-0.79	1%	0
033.99	Salt, Miscellaneous (%)	2129	2.426	0.0105	2.476	0.0768	0.0413	8	-0.65	1%	0
033.99	Salt, Miscellaneous (%)	2144	2.450	0.0400	2.476	0.0768	0.0413	8	-0.34	1%	0
033.99	Salt, Miscellaneous (%)	2246	2.465	0.0300	2.476	0.0768	0.0413	8	-0.14	0%	0
033.99	Salt, Miscellaneous (%)	0208	2.495	0.0100	2.476	0.0768	0.0413	8	0.25	0%	0
033.99	Salt, Miscellaneous (%)	0042	2.570	0.0200	2.476	0.0768	0.0413	8	1.23	2%	0
033.99	Salt, Miscellaneous (%)	0650	2.580	0.0800	2.476	0.0768	0.0413	8	1.36	2%	0
034.01	Selenium, Total (Se), Fluor (ppm)	0038	2.015	0.0100				1			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0171	1.515	0.1500				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0045	1.770	0.3000				3		0	
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0169	1.920	0.0200				3		0	
034.41	Selenium, Total (Se), ICP, Dry ash (ppm)	0148	1.760	0.0400				2		0	
034.41	Selenium, Total (Se), ICP, Dry ash (ppm)	0619	1.840	0.0600				2		0	
034.42	Selenium, Total (Se), ICP, Open vessel (ppm)	0692	2.940	0.3000				1		0	
034.42	Selenium, Total (Se), ICP, Open vessel (ppm)	0042	< 12					1		5	
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0066	1.648	0.0570	2.153	0.3582	0.0519	4		0	
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	2114	2.170	0.0360	2.153	0.3582	0.0519	4		0	
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0964	2.330	0.0400	2.153	0.3582	0.0519	4		0	
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0968	2.466	0.0746	2.153	0.3582	0.0519	4		0	
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	0682	< 5		2.153	0.3582	0.0519	4		5	
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0555	1.541	0.0150				3		0	
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0186	1.933	0.0670				3		0	
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0047	2.500	0.0200				3		0	
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0164	1.780	0.0400	2.195	0.5350	0.0781	4		0	
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0610	1.995	0.0100	2.195	0.5350	0.0781	4		0	
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0560	2.024	0.1013	2.195	0.5350	0.0781	4		0	
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	2.981	0.1609	2.195	0.5350	0.0781	4		0	
034.99	Selenium, Total (Se), Miscellaneous (ppm)	0190	2.090	0.0400				1		0	
035.01	Sodium, Ion-selective electrode (%)	2434	1.510	0.0000				1		0	
035.31	Sodium, AAS, Dry ash (%)	0939	0.9550	0.0100				3		0	
035.31	Sodium, AAS, Dry ash (%)	0529	0.9630	0.0100				3		0	
035.31	Sodium, AAS, Dry ash (%)	2196	0.9900	0.0000				3		0	
035.31	Sodium, AAS, Dry ash (%)	0038	0.8380	0.0480				3		1	
035.32	Sodium, AAS, Open vessel (%)	0169	0.9250	0.0100				1		0	
035.41	Sodium, ICP, Dry ash (%)	0019	0.9050	0.0100	0.9855	0.0560	0.0235	18	-1.44	4% 0	
035.41	Sodium, ICP, Dry ash (%)	0298	0.9100	0.0200	0.9855	0.0560	0.0235	18	-1.35	4% 0	
035.41	Sodium, ICP, Dry ash (%)	0674	0.9200	0.0000	0.9855	0.0560	0.0235	18	-1.17	3% 0	
035.41	Sodium, ICP, Dry ash (%)	0066	0.9330	0.0440	0.9855	0.0560	0.0235	18	-0.94	3% 0	
035.41	Sodium, ICP, Dry ash (%)	0049	0.9400	0.0000	0.9855	0.0560	0.0235	18	-0.81	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0004	0.9500	0.0000	0.9855	0.0560	0.0235	18	-0.63	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0358	0.9500	0.0400	0.9855	0.0560	0.0235	18	-0.63	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0619	0.9760	0.0160	0.9855	0.0560	0.0235	18	-0.17	0% 0	
035.41	Sodium, ICP, Dry ash (%)	0098	1.010	0.0200	0.9855	0.0560	0.0235	18	0.44	1% 0	
035.41	Sodium, ICP, Dry ash (%)	0407	1.010	0.0000	0.9855	0.0560	0.0235	18	0.44	1% 0	
035.41	Sodium, ICP, Dry ash (%)	0164	1.015	0.0100	0.9855	0.0560	0.0235	18	0.53	1% 0	
035.41	Sodium, ICP, Dry ash (%)	0598	1.016	0.0116	0.9855	0.0560	0.0235	18	0.55	2% 0	
035.41	Sodium, ICP, Dry ash (%)	2114	1.022	0.0163	0.9855	0.0560	0.0235	18	0.64	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0148	1.030	0.0400	0.9855	0.0560	0.0235	18	0.79	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0413	1.030	0.0400	0.9855	0.0560	0.0235	18	0.79	2% 0	
035.41	Sodium, ICP, Dry ash (%)	0520	1.038	0.0106	0.9855	0.0560	0.0235	18	0.93	3% 0	
035.41	Sodium, ICP, Dry ash (%)	0144	1.040	0.0200	0.9855	0.0560	0.0235	18	0.97	3% 0	



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	0226	1.045	0.0300	0.9855	0.0560	0.0235	18	1.06	3%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.9100	0.1000	0.9855	0.0560	0.0235	18	-1.35	4%	1
035.42	Sodium, ICP, Open vessel (%)	2129	0.9118	0.0175	1.007	0.0662	0.0298	18	-1.44	5%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.9150	0.0300	1.007	0.0662	0.0298	18	-1.39	5%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.9250	0.0900	1.007	0.0662	0.0298	18	-1.24	4%	0
035.42	Sodium, ICP, Open vessel (%)	0037	0.9700	0.0140	1.007	0.0662	0.0298	18	-0.56	2%	0
035.42	Sodium, ICP, Open vessel (%)	2319	0.9715	0.0030	1.007	0.0662	0.0298	18	-0.53	2%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.9850	0.0700	1.007	0.0662	0.0298	18	-0.33	1%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.9905	0.0590	1.007	0.0662	0.0298	18	-0.25	1%	0
035.42	Sodium, ICP, Open vessel (%)	0357	0.9926	0.0032	1.007	0.0662	0.0298	18	-0.22	1%	0
035.42	Sodium, ICP, Open vessel (%)	0190	1.000	0.0400	1.007	0.0662	0.0298	18	-0.10	0%	0
035.42	Sodium, ICP, Open vessel (%)	0263	1.003	0.0020	1.007	0.0662	0.0298	18	-0.06	0%	0
035.42	Sodium, ICP, Open vessel (%)	0042	1.015	0.0100	1.007	0.0662	0.0298	18	0.12	0%	0
035.42	Sodium, ICP, Open vessel (%)	0870	1.016	0.0339	1.007	0.0662	0.0298	18	0.14	0%	0
035.42	Sodium, ICP, Open vessel (%)	2375	1.025	0.0300	1.007	0.0662	0.0298	18	0.27	1%	0
035.42	Sodium, ICP, Open vessel (%)	0555	1.050	0.0260	1.007	0.0662	0.0298	18	0.65	2%	0
035.42	Sodium, ICP, Open vessel (%)	0726	1.070	0.0000	1.007	0.0662	0.0298	18	0.95	3%	0
035.42	Sodium, ICP, Open vessel (%)	0186	1.071	0.0309	1.007	0.0662	0.0298	18	0.96	3%	0
035.42	Sodium, ICP, Open vessel (%)	2433	1.198	0.0108	1.007	0.0662	0.0298	18	2.89	10%	0
035.42	Sodium, ICP, Open vessel (%)	0366	1.200	0.0600	1.007	0.0662	0.0298	18	2.92	10%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.6700	0.0000	0.9885	0.0334	0.0353	25	-9.54	16%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.8350	0.0500	0.9885	0.0334	0.0353	25	-4.60	8%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.9450	0.0100	0.9885	0.0334	0.0353	25	-1.30	2%	0
035.43	Sodium, ICP, Microwave (%)	0511	0.9500	0.0400	0.9885	0.0334	0.0353	25	-1.15	2%	0
035.43	Sodium, ICP, Microwave (%)	0876	0.9500	0.1000	0.9885	0.0334	0.0353	25	-1.15	2%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.9700	0.0000	0.9885	0.0334	0.0353	25	-0.55	1%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.9700	0.0000	0.9885	0.0334	0.0353	25	-0.55	1%	0
035.43	Sodium, ICP, Microwave (%)	0610	0.9750	0.0100	0.9885	0.0334	0.0353	25	-0.40	1%	0
035.43	Sodium, ICP, Microwave (%)	0354	0.9760	0.0080	0.9885	0.0334	0.0353	25	-0.37	1%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.9780	0.0280	0.9885	0.0334	0.0353	25	-0.31	1%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.9800	0.1200	0.9885	0.0334	0.0353	25	-0.25	0%	0
035.43	Sodium, ICP, Microwave (%)	0010	0.9900	0.0000	0.9885	0.0334	0.0353	25	0.05	0%	0
035.43	Sodium, ICP, Microwave (%)	0870	0.9948	0.0524	0.9885	0.0334	0.0353	25	0.19	0%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.9950	0.0100	0.9885	0.0334	0.0353	25	0.20	0%	0
035.43	Sodium, ICP, Microwave (%)	0968	0.9950	0.0040	0.9885	0.0334	0.0353	25	0.20	0%	0
035.43	Sodium, ICP, Microwave (%)	0505	0.9965	0.0070	0.9885	0.0334	0.0353	25	0.24	0%	0
035.43	Sodium, ICP, Microwave (%)	0226	1.000	0.0000	0.9885	0.0334	0.0353	25	0.34	1%	0
035.43	Sodium, ICP, Microwave (%)	0353	1.010	0.0136	0.9885	0.0334	0.0353	25	0.63	1%	0
035.43	Sodium, ICP, Microwave (%)	0675	1.010	0.0200	0.9885	0.0334	0.0353	25	0.64	1%	0
035.43	Sodium, ICP, Microwave (%)	0964	1.017	0.0797	0.9885	0.0334	0.0353	25	0.85	1%	0
035.43	Sodium, ICP, Microwave (%)	0027	1.019	0.0020	0.9885	0.0334	0.0353	25	0.91	2%	0
035.43	Sodium, ICP, Microwave (%)	0407	1.020	0.0536	0.9885	0.0334	0.0353	25	0.93	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
035.43	Sodium, ICP, Microwave (%)	0083	1.020	0.0200	0.9885	0.0334	0.0353	25	0.94	2%	0
035.43	Sodium, ICP, Microwave (%)	0510	1.037	0.0470	0.9885	0.0334	0.0353	25	1.44	2%	0
035.43	Sodium, ICP, Microwave (%)	0038	1.160	0.0800	0.9885	0.0334	0.0353	25	5.14	9%	0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	1.027	0.0317				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	1.053	0.0079				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0939	0.9450	0.0100				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0407	1.097	0.1274				2			0
035.99	Sodium, Miscellaneous (%)	0100	0.9550	0.0100	1.038	0.1099	0.0200	4			0
035.99	Sodium, Miscellaneous (%)	0590	0.9700	0.0400	1.038	0.1099	0.0200	4			0
035.99	Sodium, Miscellaneous (%)	0123	1.030	0.0200	1.038	0.1099	0.0200	4			0
035.99	Sodium, Miscellaneous (%)	2302	1.195	0.0100	1.038	0.1099	0.0200	4			0
035.99	Sodium, Miscellaneous (%)	0889	0.0500	0.0000	1.038	0.1099	0.0200	4			2
036.00	Sulfur, Gravimetric (%)	0038	0.6270	0.0080				1			0
036.04	Sulfur, LECO (%)	0148	0.6035	0.0190				3			0
036.04	Sulfur, LECO (%)	0226	0.6350	0.0100				3			0
036.04	Sulfur, LECO (%)	0610	0.6500	0.0000				3			0
036.42	Sulfur, ICP, Open vessel (%)	2129	0.5037	0.0237	0.5982	0.0349	0.0134	17	-2.71	8%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.5584	0.0208	0.5982	0.0349	0.0134	17	-1.14	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.5596	0.0003	0.5982	0.0349	0.0134	17	-1.11	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0042	0.5670	0.0260	0.5982	0.0349	0.0134	17	-0.89	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.5700	0.0000	0.5982	0.0349	0.0134	17	-0.81	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.5900	0.0000	0.5982	0.0349	0.0134	17	-0.24	1%	0
036.42	Sulfur, ICP, Open vessel (%)	2375	0.5900	0.0000	0.5982	0.0349	0.0134	17	-0.24	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.5965	0.0050	0.5982	0.0349	0.0134	17	-0.05	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.6000	0.0060	0.5982	0.0349	0.0134	17	0.05	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.6000	0.0000	0.5982	0.0349	0.0134	17	0.05	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.6095	0.0257	0.5982	0.0349	0.0134	17	0.32	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.6145	0.0010	0.5982	0.0349	0.0134	17	0.47	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.6150	0.0100	0.5982	0.0349	0.0134	17	0.48	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.6269	0.0195	0.5982	0.0349	0.0134	17	0.82	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.6350	0.0100	0.5982	0.0349	0.0134	17	1.05	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.6410	0.0130	0.5982	0.0349	0.0134	17	1.23	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.6700	0.0000	0.5982	0.0349	0.0134	17	2.06	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.5800	0.0600	0.5982	0.0349	0.0134	17	-0.52	2%	1
036.43	Sulfur, ICP, Microwave (%)	0297	0.5600	0.0400	0.6337	0.0524	0.0241	18	-1.41	6%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.5760	0.0100	0.6337	0.0524	0.0241	18	-1.10	5%	0
036.43	Sulfur, ICP, Microwave (%)	0083	0.5850	0.0100	0.6337	0.0524	0.0241	18	-0.93	4%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.5896	0.0160	0.6337	0.0524	0.0241	18	-0.84	3%	0
036.43	Sulfur, ICP, Microwave (%)	0226	0.5915	0.0049	0.6337	0.0524	0.0241	18	-0.81	3%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.6050	0.0100	0.6337	0.0524	0.0241	18	-0.55	2%	0
036.43	Sulfur, ICP, Microwave (%)	0876	0.6150	0.0300	0.6337	0.0524	0.0241	18	-0.36	1%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.6200	0.0800	0.6337	0.0524	0.0241	18	-0.26	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
036.43	Sulfur, ICP, Microwave (%)	0510	0.6300	0.0200	0.6337	0.0524	0.0241	18	-0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.6368	0.0236	0.6337	0.0524	0.0241	18	0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.6400	0.0200	0.6337	0.0524	0.0241	18	0.12	0%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.6489	0.0476	0.6337	0.0524	0.0241	18	0.29	1%	0
036.43	Sulfur, ICP, Microwave (%)	0682	0.6500	0.0000	0.6337	0.0524	0.0241	18	0.31	1%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.6600	0.0000	0.6337	0.0524	0.0241	18	0.50	2%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.6679	0.0012	0.6337	0.0524	0.0241	18	0.65	3%	0
036.43	Sulfur, ICP, Microwave (%)	0038	0.7065	0.0670	0.6337	0.0524	0.0241	18	1.39	6%	0
036.43	Sulfur, ICP, Microwave (%)	0066	0.7505	0.0350	0.6337	0.0524	0.0241	18	2.23	9%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.8050	0.0100	0.6337	0.0524	0.0241	18	3.27	14%	0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.6394	0.0166				1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.1600	0.0000				2			0
036.99	Sulfur, Miscellaneous (%)	0123	0.6200	0.0200				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0939	410.7	28.56	431.1	25.85	26.58	5			0
037.31	Zinc, AAS, Dry ash (ppm)	2196	412.1	0.0000	431.1	25.85	26.58	5			0
037.31	Zinc, AAS, Dry ash (ppm)	0001	423.2	16.50	431.1	25.85	26.58	5			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	435.7	8.700	431.1	25.85	26.58	5			0
037.31	Zinc, AAS, Dry ash (ppm)	0651	473.7	52.58	431.1	25.85	26.58	5			0
037.32	Zinc, AAS, Open vessel (ppm)	0038	443.0	28.00				1			0
037.33	Zinc, AAS, Microwave (ppm)	2022	460.2	3.240				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0848	314.1	4.180	397.6	30.97	8.158	14	-2.70	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	0358	358.2	19.69	397.6	30.97	8.158	14	-1.27	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0619	375.0	8.000	397.6	30.97	8.158	14	-0.73	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	379.8	3.300	397.6	30.97	8.158	14	-0.58	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0049	382.7	19.99	397.6	30.97	8.158	14	-0.48	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0910	385.5	13.00	397.6	30.97	8.158	14	-0.39	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0019	396.8	9.900	397.6	30.97	8.158	14	-0.03	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0598	404.4	1.022	397.6	30.97	8.158	14	0.22	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0520	404.4	5.373	397.6	30.97	8.158	14	0.22	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	412.1	1.981	397.6	30.97	8.158	14	0.47	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0674	413.3	0.0000	397.6	30.97	8.158	14	0.51	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	425.7	4.020	397.6	30.97	8.158	14	0.91	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0148	433.5	13.10	397.6	30.97	8.158	14	1.16	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0004	449.0	6.160	397.6	30.97	8.158	14	1.66	6%	0
037.42	Zinc, ICP, Open vessel (ppm)	0026	171.3	45.79	412.2	29.69	15.27	21	-8.11	29%	0
037.42	Zinc, ICP, Open vessel (ppm)	0186	347.2	12.51	412.2	29.69	15.27	21	-2.19	8%	0
037.42	Zinc, ICP, Open vessel (ppm)	2129	355.0	5.500	412.2	29.69	15.27	21	-1.93	7%	0
037.42	Zinc, ICP, Open vessel (ppm)	0693	383.1	33.53	412.2	29.69	15.27	21	-0.98	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0009	398.5	47.00	412.2	29.69	15.27	21	-0.46	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0263	401.8	2.594	412.2	29.69	15.27	21	-0.35	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0045	402.5	3.000	412.2	29.69	15.27	21	-0.33	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0366	406.5	19.00	412.2	29.69	15.27	21	-0.19	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
037.42	Zinc, ICP, Open vessel (ppm)	2433	406.6	7.356	412.2	29.69	15.27	21	-0.19	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0692	407.5	37.00	412.2	29.69	15.27	21	-0.16	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	2319	408.5	7.000	412.2	29.69	15.27	21	-0.12	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	0042	410.0	46.00	412.2	29.69	15.27	21	-0.07	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	0413	422.8	14.15	412.2	29.69	15.27	21	0.36	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0278	423.1	4.400	412.2	29.69	15.27	21	0.37	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0190	431.3	6.090	412.2	29.69	15.27	21	0.64	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	431.4	9.600	412.2	29.69	15.27	21	0.65	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0555	431.5	4.100	412.2	29.69	15.27	21	0.65	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0726	436.7	3.300	412.2	29.69	15.27	21	0.82	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	2375	442.5	1.000	412.2	29.69	15.27	21	1.02	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0357	451.9	24.69	412.2	29.69	15.27	21	1.34	5%	0
037.42	Zinc, ICP, Open vessel (ppm)	0037	484.6	8.800	412.2	29.69	15.27	21	2.44	9%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	354.0	12.00	417.3	34.60	15.97	27	-1.83	8%	0
037.43	Zinc, ICP, Microwave (ppm)	0848	364.2	4.270	417.3	34.60	15.97	27	-1.53	6%	0
037.43	Zinc, ICP, Microwave (ppm)	0354	366.2	10.39	417.3	34.60	15.97	27	-1.48	6%	0
037.43	Zinc, ICP, Microwave (ppm)	0968	371.3	0.0830	417.3	34.60	15.97	27	-1.33	6%	0
037.43	Zinc, ICP, Microwave (ppm)	0226	391.0	0.8300	417.3	34.60	15.97	27	-0.76	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0345	395.5	3.200	417.3	34.60	15.97	27	-0.63	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	397.5	1.000	417.3	34.60	15.97	27	-0.57	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0202	399.5	35.00	417.3	34.60	15.97	27	-0.51	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0964	400.5	33.00	417.3	34.60	15.97	27	-0.49	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0010	408.2	54.80	417.3	34.60	15.97	27	-0.26	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0083	408.5	0.4900	417.3	34.60	15.97	27	-0.26	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0675	409.2	20.31	417.3	34.60	15.97	27	-0.24	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0297	414.5	21.00	417.3	34.60	15.97	27	-0.08	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	416.9	4.713	417.3	34.60	15.97	27	-0.01	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0169	425.0	8.000	417.3	34.60	15.97	27	0.22	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0610	426.0	8.000	417.3	34.60	15.97	27	0.25	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0682	428.8	0.0000	417.3	34.60	15.97	27	0.33	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0035	430.0	12.00	417.3	34.60	15.97	27	0.37	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	430.2	1.600	417.3	34.60	15.97	27	0.37	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0876	434.0	36.80	417.3	34.60	15.97	27	0.48	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0505	437.3	12.60	417.3	34.60	15.97	27	0.58	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	445.7	7.655	417.3	34.60	15.97	27	0.82	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	447.0	37.72	417.3	34.60	15.97	27	0.86	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	450.8	60.80	417.3	34.60	15.97	27	0.97	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0353	464.5	5.000	417.3	34.60	15.97	27	1.36	6%	0
037.43	Zinc, ICP, Microwave (ppm)	2192	493.0	20.00	417.3	34.60	15.97	27	2.19	9%	0
037.43	Zinc, ICP, Microwave (ppm)	0038	511.0	38.00	417.3	34.60	15.97	27	2.71	11%	0
037.44	Zinc, ICP, Dry ash (ppm)	0066	292.9	4.460				3			0
037.44	Zinc, ICP, Dry ash (ppm)	0164	394.0	2.000				3			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
037.44	Zinc, ICP, Dry ash (ppm)	2114	395.5	4.080				3		0	
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	500.6	64.98				1		0	
037.53	Zinc, ICP-MS, Microwave (ppm)	0939	406.5	21.00				2		0	
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	427.9	20.39				2		0	
037.99	Zinc, Miscellaneous (ppm)	0889	23.99	0.4600	299.9	186.0	6.365	4		0	
037.99	Zinc, Miscellaneous (ppm)	0123	362.0	12.00	299.9	186.0	6.365	4		0	
037.99	Zinc, Miscellaneous (ppm)	0590	384.5	1.000	299.9	186.0	6.365	4		0	
037.99	Zinc, Miscellaneous (ppm)	0100	429.0	12.00	299.9	186.0	6.365	4		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	1.270	0.0800	1.667	0.3438	0.0887	4		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	1.493	0.0446	1.667	0.3438	0.0887	4		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0148	1.910	0.0400	1.667	0.3438	0.0887	4		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0226	1.995	0.1900	1.667	0.3438	0.0887	4		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0692	0.8900	0.0800	1.517	0.4940	0.0602	5		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0278	1.435	0.0700	1.517	0.4940	0.0602	5		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0045	1.480	0.0600	1.517	0.4940	0.0602	5		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0555	1.503	0.0410	1.517	0.4940	0.0602	5		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0042	2.275	0.0500	1.517	0.4940	0.0602	5		0	
038.42	Molybdenum, ICP, Open vessel (ppm)	0366	1.800	0.6000	1.517	0.4940	0.0602	5		1	
038.43	Molybdenum, ICP, Microwave (ppm)	0353	0.9780	0.1185	1.580	0.2530	0.1527	8	-2.38	19%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	1.438	0.0317	1.580	0.2530	0.1527	8	-0.56	5%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0083	1.460	0.1200	1.580	0.2530	0.1527	8	-0.48	4%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0202	1.535	0.3700	1.580	0.2530	0.1527	8	-0.18	1%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0297	1.600	0.2000	1.580	0.2530	0.1527	8	0.08	1%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0964	1.710	0.1800	1.580	0.2530	0.1527	8	0.51	4%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0169	1.800	0.0800	1.580	0.2530	0.1527	8	0.87	7%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	1.900	0.2000	1.580	0.2530	0.1527	8	1.26	10%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0047	1.130	0.0200				3		0	
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0910	1.245	0.0500				3		0	
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0186	1.310	0.0000				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	1.563	0.0120				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0939	1.565	0.1100				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0164	1.610	0.0800				3		0	
038.99	Molybdenum, Miscellaneous (ppm)	0123	1.615	0.0500				1		0	
040.53	Barium, ICP-MS, Microwave (ppm)	0407	13.63	0.6324				1		0	
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	2.907	0.0095				1		0	
042.00	Chloride, Titrimetric (%)	0226	1.520	0.0200				1		0	
042.01	Chloride, Ion-selective electrode (%)	2434	1.360	0.0000				2		0	
042.01	Chloride, Ion-selective electrode (%)	2433	1.573	0.0118				2		0	
042.99	Chloride, Miscellaneous (%)	0297	1.565	0.0300				1		0	
101.99	Choline Chloride, Miscellaneous (ppm)	0227	2,940	80.00				1		0	
102.01	Niacin, Microbiological (ppm)	0227	190.0	2.000				1		0	
102.02	Niacin, LC (ppm)	2319	151.0	4.000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
103.01	Pantothenic Acid, Microbiological (ppm)	0227	90.50	2.000				1			0
104.00	Riboflavin, Fluorometric (ppm)	0227	35.95	1.500				1			0
104.03	Riboflavin, LC (ppm)	2319	29.20	1.400				1			0
105.00	Thiamine, LC (ppm)	2319	1.185	0.0300				1			0
105.01	Thiamine, Fluorometer (ppm)	0227	14.37	0.5100				1			0
106.00	Vitamin A, Color (KU / kg)	0227	21.55	0.7000				1			0
106.01	Vitamin A, UV (KU / kg)	0098	26.70	9.000				1			0
106.02	Vitamin A, LC (KU / kg)	0208	16.21	0.3750	22.57	5.844	1.415	10	-1.09	14%	0
106.02	Vitamin A, LC (KU / kg)	2319	16.80	3.400	22.57	5.844	1.415	10	-0.99	13%	0
106.02	Vitamin A, LC (KU / kg)	0619	17.55	0.5000	22.57	5.844	1.415	10	-0.86	11%	0
106.02	Vitamin A, LC (KU / kg)	0004	19.99	0.0700	22.57	5.844	1.415	10	-0.44	6%	0
106.02	Vitamin A, LC (KU / kg)	2022	20.00	0.0000	22.57	5.844	1.415	10	-0.44	6%	0
106.02	Vitamin A, LC (KU / kg)	0038	24.45	2.100	22.57	5.844	1.415	10	0.32	4%	0
106.02	Vitamin A, LC (KU / kg)	0610	24.80	1.600	22.57	5.844	1.415	10	0.38	5%	0
106.02	Vitamin A, LC (KU / kg)	0148	26.65	1.350	22.57	5.844	1.415	10	0.70	9%	0
106.02	Vitamin A, LC (KU / kg)	2192	28.76	2.460	22.57	5.844	1.415	10	1.06	14%	0
106.02	Vitamin A, LC (KU / kg)	0010	30.54	1.110	22.57	5.844	1.415	10	1.36	18%	0
107.00	Vitamin B12, Microbiological (ppb)	0227	37.55	2.700				1			0
108.02	Vitamin D3, LC (KU / kg)	0610	4.950	0.1000	5.297	0.2077	0.2365	5			0
108.02	Vitamin D3, LC (KU / kg)	0619	5.280	0.2600	5.297	0.2077	0.2365	5			0
108.02	Vitamin D3, LC (KU / kg)	2319	5.350	0.3400	5.297	0.2077	0.2365	5			0
108.02	Vitamin D3, LC (KU / kg)	0148	5.441	0.4324	5.297	0.2077	0.2365	5			0
108.02	Vitamin D3, LC (KU / kg)	0227	5.465	0.0500	5.297	0.2077	0.2365	5			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0010	5.235	0.9100				1			0
109.02	Vitamin E, LC (IU / kg)	2319	171.1	60.50	190.2	17.83	22.78	11	-1.07	5%	0
109.02	Vitamin E, LC (IU / kg)	0208	174.9	1.822	190.2	17.83	22.78	11	-0.86	4%	0
109.02	Vitamin E, LC (IU / kg)	0027	175.3	17.22	190.2	17.83	22.78	11	-0.84	4%	0
109.02	Vitamin E, LC (IU / kg)	0098	181.5	27.00	190.2	17.83	22.78	11	-0.49	2%	0
109.02	Vitamin E, LC (IU / kg)	0148	183.2	17.35	190.2	17.83	22.78	11	-0.39	2%	0
109.02	Vitamin E, LC (IU / kg)	0619	183.5	3.000	190.2	17.83	22.78	11	-0.37	2%	0
109.02	Vitamin E, LC (IU / kg)	0610	189.0	4.000	190.2	17.83	22.78	11	-0.07	0%	0
109.02	Vitamin E, LC (IU / kg)	2022	200.0	0.0000	190.2	17.83	22.78	11	0.55	3%	0
109.02	Vitamin E, LC (IU / kg)	2103	205.6	51.50	190.2	17.83	22.78	11	0.86	4%	0
109.02	Vitamin E, LC (IU / kg)	0038	211.0	40.00	190.2	17.83	22.78	11	1.17	5%	0
109.02	Vitamin E, LC (IU / kg)	0227	219.0	8.000	190.2	17.83	22.78	11	1.62	8%	0
109.99	Vitamin E, Miscellaneous (IU / kg)	0171	170.5	7.000				1			0
111.00	Vitamin C, Phosphorylated, LC (ppm)	0227	< 4.4					0			5
111.98	Vitamin C, Ascorbic Acid, Miscellaneous (ppm)	0910	< 1					0			5
112.01	Pyridoxine, LC (µg / g)	2319	2.620	0.3200				2			0
112.01	Pyridoxine, LC (µg / g)	0227	3.700	0.0000				2			0
113.01	Folic Acid, Micro (ppm)	0227	6.550	0.1400				1			0
113.02	Folic acid, LC (ppm)	2319	4.562	0.5030				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
114.01	Biotin, Microbiological (ppm)	0227	1.210	0.0600				1			0
114.99	Biotin, Miscellaneous (ppm)	0227	0.9345	0.0110				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease meth	0407	0.3360	0.0767				1			0
115.99	Non Protein N (NPN), Miscellaneous (%)	2129	2.187	0.6374				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	1.393	0.0580	1.448	0.0402	0.0285	15	-1.37	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0939	1.395	0.0100	1.448	0.0402	0.0285	15	-1.32	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0682	1.407	0.0000	1.448	0.0402	0.0285	15	-1.02	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	1.420	0.0200	1.448	0.0402	0.0285	15	-0.70	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0353	1.435	0.0100	1.448	0.0402	0.0285	15	-0.33	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	1.435	0.0700	1.448	0.0402	0.0285	15	-0.33	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	1.446	0.0010	1.448	0.0402	0.0285	15	-0.07	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	1.446	0.0100	1.448	0.0402	0.0285	15	-0.06	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	1.447	0.0010	1.448	0.0402	0.0285	15	-0.04	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	1.450	0.0300	1.448	0.0402	0.0285	15	0.04	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	1.485	0.0300	1.448	0.0402	0.0285	15	0.91	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0941	1.486	0.0000	1.448	0.0402	0.0285	15	0.94	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	1.489	0.0788	1.448	0.0402	0.0285	15	1.00	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	1.495	0.0300	1.448	0.0402	0.0285	15	1.16	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	1.496	0.0000	1.448	0.0402	0.0285	15	1.19	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	2.970	2.960	1.448	0.0402	0.0285	15	37.82	53%	2
120.02	Alanine, Post-col OPA Der (%)	0098	1.470	0.0170				1			0
120.05	Alanine, Pre-col AQC Der (%)	2188	1.314	0.0000	1.428	0.0964	0.0239	8	-1.18	4%	0
120.05	Alanine, Pre-col AQC Der (%)	2196	1.329	0.0000	1.428	0.0964	0.0239	8	-1.03	3%	0
120.05	Alanine, Pre-col AQC Der (%)	2319	1.360	0.0200	1.428	0.0964	0.0239	8	-0.71	2%	0
120.05	Alanine, Pre-col AQC Der (%)	0610	1.435	0.0100	1.428	0.0964	0.0239	8	0.07	0%	0
120.05	Alanine, Pre-col AQC Der (%)	2246	1.456	0.0122	1.428	0.0964	0.0239	8	0.28	1%	0
120.05	Alanine, Pre-col AQC Der (%)	0148	1.475	0.0300	1.428	0.0964	0.0239	8	0.49	2%	0
120.05	Alanine, Pre-col AQC Der (%)	0626	1.527	0.0420	1.428	0.0964	0.0239	8	1.03	3%	0
120.05	Alanine, Pre-col AQC Der (%)	0870	1.530	0.0290	1.428	0.0964	0.0239	8	1.05	4%	0
120.05	Alanine, Pre-col AQC Der (%)	0407	1.491	0.1510	1.428	0.0964	0.0239	8	0.65	2%	1
120.99	Alanine, Miscellaneous (%)	0227	1.480	0.0200				2			0
120.99	Alanine, Miscellaneous (%)	2146	1.490	0.1000				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0939	2.560	0.0000	2.775	0.1116	0.0618	16	-1.93	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	2.651	0.0050	2.775	0.1116	0.0618	16	-1.12	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	2.690	0.1497	2.775	0.1116	0.0618	16	-0.77	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0353	2.690	0.0600	2.775	0.1116	0.0618	16	-0.76	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	2.695	0.0500	2.775	0.1116	0.0618	16	-0.72	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	2.702	0.0670	2.775	0.1116	0.0618	16	-0.66	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	2.770	0.1600	2.775	0.1116	0.0618	16	-0.05	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	2.775	0.0500	2.775	0.1116	0.0618	16	0.00	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	2.787	0.0870	2.775	0.1116	0.0618	16	0.10	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	2.795	0.0300	2.775	0.1116	0.0618	16	0.18	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	2.804	0.0020	2.775	0.1116	0.0618	16	0.26	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	2.827	0.0030	2.775	0.1116	0.0618	16	0.46	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0941	2.860	0.0000	2.775	0.1116	0.0618	16	0.76	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	2.865	0.1300	2.775	0.1116	0.0618	16	0.81	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.156	0.0160	2.775	0.1116	0.0618	16	3.41	7%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0682	3.307	0.0000	2.775	0.1116	0.0618	16	4.77	10%	0
121.02	Arginine, Post-col OPA Der (%)	0098	2.692	0.0790				1			0
121.05	Arginine, Pre-col AQC Der (%)	2319	2.250	0.1000	2.613	0.3210	0.0800	9	-1.13	7%	0
121.05	Arginine, Pre-col AQC Der (%)	0407	2.253	0.2400	2.613	0.3210	0.0800	9	-1.12	7%	0
121.05	Arginine, Pre-col AQC Der (%)	2188	2.273	0.0270	2.613	0.3210	0.0800	9	-1.06	7%	0
121.05	Arginine, Pre-col AQC Der (%)	0870	2.577	0.0430	2.613	0.3210	0.0800	9	-0.11	1%	0
121.05	Arginine, Pre-col AQC Der (%)	2196	2.760	0.0000	2.613	0.3210	0.0800	9	0.46	3%	0
121.05	Arginine, Pre-col AQC Der (%)	0610	2.790	0.0000	2.613	0.3210	0.0800	9	0.55	3%	0
121.05	Arginine, Pre-col AQC Der (%)	0626	2.808	0.0860	2.613	0.3210	0.0800	9	0.61	4%	0
121.05	Arginine, Pre-col AQC Der (%)	0148	2.875	0.0900	2.613	0.3210	0.0800	9	0.82	5%	0
121.05	Arginine, Pre-col AQC Der (%)	2246	2.934	0.0662	2.613	0.3210	0.0800	9	1.00	6%	0
121.99	Arginine, Miscellaneous (%)	0227	2.725	0.0300				2			0
121.99	Arginine, Miscellaneous (%)	2146	2.795	0.1500				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0939	3.265	0.0100	3.642	0.1089	0.0673	16	-3.47	5%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	3.505	0.0500	3.642	0.1089	0.0673	16	-1.26	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0682	3.536	0.0000	3.642	0.1089	0.0673	16	-0.98	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	3.553	0.0750	3.642	0.1089	0.0673	16	-0.83	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	3.564	0.2660	3.642	0.1089	0.0673	16	-0.72	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	3.610	0.0030	3.642	0.1089	0.0673	16	-0.30	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	3.618	0.0590	3.642	0.1089	0.0673	16	-0.23	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	3.639	0.0070	3.642	0.1089	0.0673	16	-0.04	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0353	3.645	0.0900	3.642	0.1089	0.0673	16	0.02	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	3.685	0.1300	3.642	0.1089	0.0673	16	0.39	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	3.720	0.0200	3.642	0.1089	0.0673	16	0.71	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0941	3.725	0.0000	3.642	0.1089	0.0673	16	0.76	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	3.730	0.1400	3.642	0.1089	0.0673	16	0.80	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	3.730	0.0600	3.642	0.1089	0.0673	16	0.80	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	3.736	0.0190	3.642	0.1089	0.0673	16	0.86	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	3.860	0.1216	3.642	0.1089	0.0673	16	2.00	3%	0
122.02	Aspartic, Post-col OPA Der (%)	0098	4.005	0.2390				1			0
122.05	Aspartic, Pre-col AQC Der (%)	2188	3.199	0.0000	3.606	0.2833	0.0682	9	-1.44	6%	0
122.05	Aspartic, Pre-col AQC Der (%)	2246	3.353	0.0376	3.606	0.2833	0.0682	9	-0.89	4%	0
122.05	Aspartic, Pre-col AQC Der (%)	0870	3.500	0.0150	3.606	0.2833	0.0682	9	-0.38	1%	0
122.05	Aspartic, Pre-col AQC Der (%)	2319	3.510	0.0800	3.606	0.2833	0.0682	9	-0.34	1%	0
122.05	Aspartic, Pre-col AQC Der (%)	0610	3.610	0.0200	3.606	0.2833	0.0682	9	0.01	0%	0
122.05	Aspartic, Pre-col AQC Der (%)	2196	3.717	0.0000	3.606	0.2833	0.0682	9	0.39	2%	0
122.05	Aspartic, Pre-col AQC Der (%)	0626	3.726	0.1380	3.606	0.2833	0.0682	9	0.42	2%	0



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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
122.05	Aspartic, Pre-col AQC Der (%)	0148	3.810	0.0200	3.606	0.2833	0.0682	9	0.72	3%	0
122.05	Aspartic, Pre-col AQC Der (%)	0407	4.398	0.1670	3.606	0.2833	0.0682	9	2.79	11%	0
122.99	Aspartic, Miscellaneous (%)	2146	3.605	0.1100				2			0
122.99	Aspartic, Miscellaneous (%)	0227	3.680	0.0600				2			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0226	0.4442	0.0015	0.4818	0.0181	0.0141	16	-2.07	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0675	0.4550	0.0100	0.4818	0.0181	0.0141	16	-1.48	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0941	0.4650	0.0000	0.4818	0.0181	0.0141	16	-0.93	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0652	0.4700	0.0200	0.4818	0.0181	0.0141	16	-0.65	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0644	0.4735	0.0050	0.4818	0.0181	0.0141	16	-0.46	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0939	0.4750	0.0100	0.4818	0.0181	0.0141	16	-0.37	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0968	0.4750	0.0100	0.4818	0.0181	0.0141	16	-0.37	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0353	0.4850	0.0100	0.4818	0.0181	0.0141	16	0.18	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0910	0.4850	0.0300	0.4818	0.0181	0.0141	16	0.18	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	2059	0.4860	0.0040	0.4818	0.0181	0.0141	16	0.23	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.4875	0.0310	0.4818	0.0181	0.0141	16	0.32	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0571	0.4920	0.0280	0.4818	0.0181	0.0141	16	0.56	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0354	0.4960	0.0180	0.4818	0.0181	0.0141	16	0.78	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0682	0.4970	0.0000	0.4818	0.0181	0.0141	16	0.84	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0872	0.5030	0.0100	0.4818	0.0181	0.0141	16	1.17	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.5250	0.0100	0.4818	0.0181	0.0141	16	2.38	4%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.4950	0.0040				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0870	0.3300	0.0100	0.4533	0.0808	0.0219	9	-1.53	14%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2188	0.3820	0.0000	0.4533	0.0808	0.0219	9	-0.88	8%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2319	0.3900	0.0200	0.4533	0.0808	0.0219	9	-0.78	7%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2196	0.4530	0.0000	0.4533	0.0808	0.0219	9	0.00	0%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2246	0.4774	0.0274	0.4533	0.0808	0.0219	9	0.30	3%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.4775	0.0330	0.4533	0.0808	0.0219	9	0.30	3%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0148	0.4955	0.0490	0.4533	0.0808	0.0219	9	0.52	5%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0626	0.5275	0.0050	0.4533	0.0808	0.0219	9	0.92	8%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0610	0.5450	0.0100	0.4533	0.0808	0.0219	9	1.13	10%	0
124.99	Cysteine/Cystine, Miscellaneous (%)	2146	0.4400	0.0000				3			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0227	0.4850	0.0100				3			0
124.99	Cysteine/Cystine, Miscellaneous (%)	2246	0.6744	0.1203				3			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0939	5.760	0.0200	6.364	0.2647	0.0416	15	-2.28	5%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	6.040	0.0600	6.364	0.2647	0.0416	15	-1.22	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	6.184	0.0270	6.364	0.2647	0.0416	15	-0.68	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	6.189	0.0040	6.364	0.2647	0.0416	15	-0.66	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	6.216	0.0440	6.364	0.2647	0.0416	15	-0.56	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	6.248	0.1580	6.364	0.2647	0.0416	15	-0.44	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0682	6.327	0.0000	6.364	0.2647	0.0416	15	-0.14	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	6.400	0.0200	6.364	0.2647	0.0416	15	0.14	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0941	6.409	0.0000	6.364	0.2647	0.0416	15	0.17	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	6.435	0.0300	6.364	0.2647	0.0416	15	0.27	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	6.452	0.0180	6.364	0.2647	0.0416	15	0.33	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	6.470	0.0200	6.364	0.2647	0.0416	15	0.40	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	6.604	0.0810	6.364	0.2647	0.0416	15	0.90	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0353	6.765	0.0300	6.364	0.2647	0.0416	15	1.51	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	6.900	0.0955	6.364	0.2647	0.0416	15	2.03	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.550	0.2600	6.364	0.2647	0.0416	15	0.70	1%	1
125.02	Glutamic, Post-col OPA Der (%)	0098	6.516	0.0440				1			0
125.05	Glutamic, Pre-col AQC Der (%)	2319	5.610	0.1400	6.427	0.6033	0.1564	9	-1.35	6%	0
125.05	Glutamic, Pre-col AQC Der (%)	0870	6.111	0.0330	6.427	0.6033	0.1564	9	-0.53	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	2246	6.150	0.1367	6.427	0.6033	0.1564	9	-0.46	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	2196	6.202	0.0000	6.427	0.6033	0.1564	9	-0.37	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	2188	6.296	0.0000	6.427	0.6033	0.1564	9	-0.22	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	0626	6.447	0.2090	6.427	0.6033	0.1564	9	0.03	0%	0
125.05	Glutamic, Pre-col AQC Der (%)	0610	6.555	0.0100	6.427	0.6033	0.1564	9	0.21	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	0148	7.145	0.2300	6.427	0.6033	0.1564	9	1.19	6%	0
125.05	Glutamic, Pre-col AQC Der (%)	0407	7.378	0.3360	6.427	0.6033	0.1564	9	1.58	7%	0
125.99	Glutamic, Miscellaneous (%)	2146	5.850	0.3000				2			0
125.99	Glutamic, Miscellaneous (%)	0227	6.400	0.0800				2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0939	1.370	0.0200	1.443	0.0384	0.0237	16	-1.91	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	1.390	0.0200	1.443	0.0384	0.0237	16	-1.39	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0353	1.420	0.0200	1.443	0.0384	0.0237	16	-0.61	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	1.422	0.0070	1.443	0.0384	0.0237	16	-0.57	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	1.425	0.0100	1.443	0.0384	0.0237	16	-0.48	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	1.430	0.0800	1.443	0.0384	0.0237	16	-0.35	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0682	1.434	0.0000	1.443	0.0384	0.0237	16	-0.24	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	1.436	0.0210	1.443	0.0384	0.0237	16	-0.20	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	1.439	0.0010	1.443	0.0384	0.0237	16	-0.13	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	1.439	0.0300	1.443	0.0384	0.0237	16	-0.11	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	1.460	0.0400	1.443	0.0384	0.0237	16	0.43	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	1.460	0.0368	1.443	0.0384	0.0237	16	0.44	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	1.476	0.0030	1.443	0.0384	0.0237	16	0.84	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0941	1.478	0.0000	1.443	0.0384	0.0237	16	0.90	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	1.500	0.0200	1.443	0.0384	0.0237	16	1.47	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.692	0.0570	1.443	0.0384	0.0237	16	6.46	9%	0
126.02	Glycine, Post-col OPA Der (%)	0098	1.459	0.0090				1			0
126.05	Glycine, Pre-col AQC Der (%)	2188	1.197	0.0000	1.422	0.0930	0.0288	8	-2.42	8%	0
126.05	Glycine, Pre-col AQC Der (%)	2196	1.342	0.0000	1.422	0.0930	0.0288	8	-0.86	3%	0
126.05	Glycine, Pre-col AQC Der (%)	2319	1.395	0.0100	1.422	0.0930	0.0288	8	-0.29	1%	0
126.05	Glycine, Pre-col AQC Der (%)	0870	1.401	0.0030	1.422	0.0930	0.0288	8	-0.23	1%	0
126.05	Glycine, Pre-col AQC Der (%)	0610	1.450	0.0000	1.422	0.0930	0.0288	8	0.30	1%	0
126.05	Glycine, Pre-col AQC Der (%)	0148	1.495	0.0300	1.422	0.0930	0.0288	8	0.79	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
126.05	Glycine, Pre-col AQC Der (%)	0626	1.496	0.0430	1.422	0.0930	0.0288	8	0.79	3%	0
126.05	Glycine, Pre-col AQC Der (%)	2246	1.514	0.0582	1.422	0.0930	0.0288	8	0.99	3%	0
126.05	Glycine, Pre-col AQC Der (%)	0407	1.584	0.1620	1.422	0.0930	0.0288	8	1.74	6%	1
126.99	Glycine, Miscellaneous (%)	0227	1.470	0.0200				2			0
126.99	Glycine, Miscellaneous (%)	2146	1.540	0.1000				2			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.8254	0.0268	0.8910	0.0283	0.0250	16	-2.32	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0353	0.8650	0.0100	0.8910	0.0283	0.0250	16	-0.92	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.8650	0.0140	0.8910	0.0283	0.0250	16	-0.92	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.8650	0.0300	0.8910	0.0283	0.0250	16	-0.92	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.8700	0.0400	0.8910	0.0283	0.0250	16	-0.74	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.8780	0.0100	0.8910	0.0283	0.0250	16	-0.46	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.8820	0.0300	0.8910	0.0283	0.0250	16	-0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.8935	0.0010	0.8910	0.0283	0.0250	16	0.09	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0682	0.8960	0.0000	0.8910	0.0283	0.0250	16	0.18	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.9000	0.0600	0.8910	0.0283	0.0250	16	0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0939	0.9000	0.0000	0.8910	0.0283	0.0250	16	0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.9025	0.0030	0.8910	0.0283	0.0250	16	0.40	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0941	0.9090	0.0000	0.8910	0.0283	0.0250	16	0.63	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.9150	0.0300	0.8910	0.0283	0.0250	16	0.85	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	0.9600	0.0400	0.8910	0.0283	0.0250	16	2.43	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.165	0.0380	0.8910	0.0283	0.0250	16	9.67	15%	0
127.02	Histidine, Post-col OPA Der (%)	0098	0.8575	0.0010				1			0
127.05	Histidine, Pre-col AQC Der (%)	2188	0.5700	0.0000	0.8705	0.1481	0.0487	9	-2.03	17%	0
127.05	Histidine, Pre-col AQC Der (%)	2319	0.7450	0.0500	0.8705	0.1481	0.0487	9	-0.85	7%	0
127.05	Histidine, Pre-col AQC Der (%)	0870	0.7865	0.0090	0.8705	0.1481	0.0487	9	-0.57	5%	0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.8635	0.0950	0.8705	0.1481	0.0487	9	-0.05	0%	0
127.05	Histidine, Pre-col AQC Der (%)	0610	0.8700	0.0000	0.8705	0.1481	0.0487	9	0.00	0%	0
127.05	Histidine, Pre-col AQC Der (%)	0626	0.9275	0.0310	0.8705	0.1481	0.0487	9	0.38	3%	0
127.05	Histidine, Pre-col AQC Der (%)	2196	0.9410	0.0000	0.8705	0.1481	0.0487	9	0.48	4%	0
127.05	Histidine, Pre-col AQC Der (%)	0148	0.9600	0.0700	0.8705	0.1481	0.0487	9	0.60	5%	0
127.05	Histidine, Pre-col AQC Der (%)	2246	1.303	0.0370	0.8705	0.1481	0.0487	9	2.92	25%	0
127.99	Histidine, Miscellaneous (%)	2146	0.7750	0.0100				2			0
127.99	Histidine, Miscellaneous (%)	0227	0.9000	0.0000				2			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	1.272	0.0156	1.369	0.0669	0.0205	15	-1.46	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	1.300	0.0000	1.369	0.0669	0.0205	15	-1.03	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	1.302	0.0220	1.369	0.0669	0.0205	15	-1.00	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	1.307	0.0530	1.369	0.0669	0.0205	15	-0.94	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0353	1.335	0.0300	1.369	0.0669	0.0205	15	-0.51	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0939	1.335	0.0100	1.369	0.0669	0.0205	15	-0.51	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	1.365	0.0300	1.369	0.0669	0.0205	15	-0.06	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	1.374	0.0100	1.369	0.0669	0.0205	15	0.07	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	1.380	0.0200	1.369	0.0669	0.0205	15	0.16	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	1.409	0.0030	1.369	0.0669	0.0205	15	0.59	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	1.410	0.0010	1.369	0.0669	0.0205	15	0.60	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0941	1.422	0.0000	1.369	0.0669	0.0205	15	0.79	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	1.424	0.0120	1.369	0.0669	0.0205	15	0.82	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0682	1.436	0.0000	1.369	0.0669	0.0205	15	1.00	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.550	0.0600	1.369	0.0669	0.0205	15	2.70	7%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	1.400	0.1000	1.369	0.0669	0.0205	15	0.46	1%	1
128.02	Isoleucine, Post-col OPA Der (%)	0098	1.357	0.0230				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	2319	0.7350	0.0900	1.443	0.0935	0.0516	9	-7.58	25%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2188	1.370	0.0380	1.443	0.0935	0.0516	9	-0.78	3%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2246	1.406	0.0334	1.443	0.0935	0.0516	9	-0.40	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0870	1.416	0.0650	1.443	0.0935	0.0516	9	-0.29	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0610	1.455	0.0100	1.443	0.0935	0.0516	9	0.13	0%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2196	1.456	0.0000	1.443	0.0935	0.0516	9	0.14	0%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0148	1.475	0.0300	1.443	0.0935	0.0516	9	0.34	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0626	1.524	0.0380	1.443	0.0935	0.0516	9	0.87	3%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0407	1.609	0.1670	1.443	0.0935	0.0516	9	1.77	6%	0
128.99	Isoleucine, Miscellaneous (%)	2146	1.375	0.0100				2			0
128.99	Isoleucine, Miscellaneous (%)	0227	1.445	0.0300				2			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0939	2.260	0.0200	2.422	0.0737	0.0208	15	-2.19	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	2.341	0.0860	2.422	0.0737	0.0208	15	-1.09	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0353	2.345	0.0100	2.422	0.0737	0.0208	15	-1.04	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	2.385	0.0300	2.422	0.0737	0.0208	15	-0.50	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	2.390	0.0330	2.422	0.0737	0.0208	15	-0.44	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	2.395	0.0070	2.422	0.0737	0.0208	15	-0.37	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	2.402	0.0050	2.422	0.0737	0.0208	15	-0.27	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	2.416	0.0310	2.422	0.0737	0.0208	15	-0.08	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	2.425	0.0300	2.422	0.0737	0.0208	15	0.05	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	2.447	0.0200	2.422	0.0737	0.0208	15	0.35	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0682	2.448	0.0000	2.422	0.0737	0.0208	15	0.36	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0941	2.479	0.0000	2.422	0.0737	0.0208	15	0.78	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	2.495	0.0100	2.422	0.0737	0.0208	15	1.00	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	2.515	0.0300	2.422	0.0737	0.0208	15	1.27	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	2.562	0.0020	2.422	0.0737	0.0208	15	1.91	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	2.385	0.1900	2.422	0.0737	0.0208	15	-0.50	1%	1
129.02	Leucine, Post-col OPA Der (%)	0098	2.385	0.0270				1			0
129.05	Leucine, Pre-col AQC Der (%)	2319	1.815	0.0900	2.377	0.1915	0.0780	9	-2.94	12%	0
129.05	Leucine, Pre-col AQC Der (%)	2188	2.171	0.0000	2.377	0.1915	0.0780	9	-1.08	4%	0
129.05	Leucine, Pre-col AQC Der (%)	2196	2.217	0.0000	2.377	0.1915	0.0780	9	-0.84	3%	0
129.05	Leucine, Pre-col AQC Der (%)	2246	2.437	0.0741	2.377	0.1915	0.0780	9	0.31	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0870	2.466	0.0790	2.377	0.1915	0.0780	9	0.46	2%	0
129.05	Leucine, Pre-col AQC Der (%)	0610	2.470	0.0200	2.377	0.1915	0.0780	9	0.48	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
129.05	Leucine, Pre-col AQC Der (%)	0407	2.499	0.2530	2.377	0.1915	0.0780	9	0.63	3%	0
129.05	Leucine, Pre-col AQC Der (%)	0148	2.510	0.0600	2.377	0.1915	0.0780	9	0.69	3%	0
129.05	Leucine, Pre-col AQC Der (%)	0626	2.536	0.0870	2.377	0.1915	0.0780	9	0.83	3%	0
129.99	Leucine, Miscellaneous (%)	2146	2.420	0.1200				2			0
129.99	Leucine, Miscellaneous (%)	0227	2.530	0.0400				2			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0939	1.815	0.0300	1.896	0.0588	0.0398	16	-1.38	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	1.835	0.0986	1.896	0.0588	0.0398	16	-1.04	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	1.850	0.0650	1.896	0.0588	0.0398	16	-0.80	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	1.850	0.1000	1.896	0.0588	0.0398	16	-0.79	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0353	1.855	0.0100	1.896	0.0588	0.0398	16	-0.70	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	1.866	0.0190	1.896	0.0588	0.0398	16	-0.52	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	1.875	0.0300	1.896	0.0588	0.0398	16	-0.36	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	1.890	0.0200	1.896	0.0588	0.0398	16	-0.11	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0682	1.895	0.0000	1.896	0.0588	0.0398	16	-0.02	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	1.898	0.0090	1.896	0.0588	0.0398	16	0.02	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	1.915	0.0100	1.896	0.0588	0.0398	16	0.32	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	1.935	0.0040	1.896	0.0588	0.0398	16	0.66	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	1.947	0.0080	1.896	0.0588	0.0398	16	0.86	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0941	1.947	0.0000	1.896	0.0588	0.0398	16	0.86	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.995	0.0700	1.896	0.0588	0.0398	16	1.68	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	2.226	0.0830	1.896	0.0588	0.0398	16	5.60	9%	0
130.02	L-Lysine, Post-col OPA Der (%)	0098	1.980	0.0340				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	2188	1.499	0.0000	1.848	0.1965	0.0577	9	-1.77	9%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2246	1.677	0.0308	1.848	0.1965	0.0577	9	-0.87	5%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0870	1.762	0.0360	1.848	0.1965	0.0577	9	-0.44	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2319	1.830	0.1800	1.848	0.1965	0.0577	9	-0.09	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0610	1.885	0.0100	1.848	0.1965	0.0577	9	0.19	1%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0148	1.885	0.0500	1.848	0.1965	0.0577	9	0.19	1%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2196	1.885	0.0000	1.848	0.1965	0.0577	9	0.19	1%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0626	2.009	0.0650	1.848	0.1965	0.0577	9	0.82	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	2.302	0.0890	1.848	0.1965	0.0577	9	2.31	12%	0
130.99	L-Lysine, Miscellaneous (%)	2246	1.648	0.4242				3			0
130.99	L-Lysine, Miscellaneous (%)	0227	2.080	0.0800				3			0
130.99	L-Lysine, Miscellaneous (%)	2146	2.090	0.1200				3			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0939	0.3750	0.0100	0.4367	0.0277	0.0134	16	-2.23	7%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	0.3799	0.0152	0.4367	0.0277	0.0134	16	-2.05	7%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.4100	0.0000	0.4367	0.0277	0.0134	16	-0.96	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0682	0.4120	0.0000	0.4367	0.0277	0.0134	16	-0.89	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.4290	0.0060	0.4367	0.0277	0.0134	16	-0.28	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	0.4300	0.0200	0.4367	0.0277	0.0134	16	-0.24	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.4320	0.0100	0.4367	0.0277	0.0134	16	-0.17	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.4390	0.0040	0.4367	0.0277	0.0134	16	0.08	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0941	0.4400	0.0000	0.4367	0.0277	0.0134	16	0.12	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.4445	0.0150	0.4367	0.0277	0.0134	16	0.28	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.4455	0.0130	0.4367	0.0277	0.0134	16	0.32	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.4520	0.0180	0.4367	0.0277	0.0134	16	0.55	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.4550	0.0300	0.4367	0.0277	0.0134	16	0.66	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.4650	0.0100	0.4367	0.0277	0.0134	16	1.02	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.4650	0.0100	0.4367	0.0277	0.0134	16	1.02	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0353	0.4900	0.0200	0.4367	0.0277	0.0134	16	1.92	6%	0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.4155	0.0030				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.3010	0.0340	0.4073	0.0417	0.0245	8	-2.55	13%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2188	0.3790	0.0000	0.4073	0.0417	0.0245	8	-0.68	3%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0870	0.3930	0.0040	0.4073	0.0417	0.0245	8	-0.34	2%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2319	0.3950	0.0500	0.4073	0.0417	0.0245	8	-0.29	2%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0626	0.4190	0.0140	0.4073	0.0417	0.0245	8	0.28	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2196	0.4250	0.0000	0.4073	0.0417	0.0245	8	0.43	2%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0610	0.4450	0.0100	0.4073	0.0417	0.0245	8	0.90	5%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0148	0.4575	0.0350	0.4073	0.0417	0.0245	8	1.20	6%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2246	0.9690	0.9768	0.4073	0.0417	0.0245	8	13.47	69%	1
131.99	Methionine, Miscellaneous (%)	0227	0.4550	0.0100				3			0
131.99	Methionine, Miscellaneous (%)	2246	0.4649	0.1208				3			0
131.99	Methionine, Miscellaneous (%)	2146	0.5500	0.0600				3			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	1.679	0.0040	1.744	0.0492	0.0339	16	-1.31	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	1.680	0.0810	1.744	0.0492	0.0339	16	-1.29	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	1.690	0.0200	1.744	0.0492	0.0339	16	-1.09	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0939	1.695	0.0100	1.744	0.0492	0.0339	16	-0.99	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0682	1.731	0.0000	1.744	0.0492	0.0339	16	-0.26	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	1.735	0.0900	1.744	0.0492	0.0339	16	-0.17	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	1.739	0.0030	1.744	0.0492	0.0339	16	-0.10	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0353	1.740	0.0200	1.744	0.0492	0.0339	16	-0.07	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	1.742	0.0200	1.744	0.0492	0.0339	16	-0.03	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0941	1.743	0.0000	1.744	0.0492	0.0339	16	-0.01	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	1.745	0.0100	1.744	0.0492	0.0339	16	0.03	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	1.780	0.0200	1.744	0.0492	0.0339	16	0.74	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	1.788	0.0080	1.744	0.0492	0.0339	16	0.90	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	1.789	0.0690	1.744	0.0492	0.0339	16	0.91	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.805	0.0300	1.744	0.0492	0.0339	16	1.25	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	1.875	0.0910	1.744	0.0492	0.0339	16	2.66	4%	0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	1.710	0.0180				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2319	1.370	0.0800	1.717	0.2383	0.0702	9	-1.45	10%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0870	1.500	0.1050	1.717	0.2383	0.0702	9	-0.91	6%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2188	1.596	0.0000	1.717	0.2383	0.0702	9	-0.51	4%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2196	1.680	0.0000	1.717	0.2383	0.0702	9	-0.15	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
132.05	Phenylalanine, Pre-col AQC Der (%)	0610	1.725	0.0100	1.717	0.2383	0.0702	9	0.04	0%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0148	1.760	0.0600	1.717	0.2383	0.0702	9	0.18	1%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0626	1.831	0.0690	1.717	0.2383	0.0702	9	0.48	3%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	1.974	0.2010	1.717	0.2383	0.0702	9	1.08	7%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	2246	2.015	0.0028	1.717	0.2383	0.0702	9	1.25	9%	0
132.99	Phenylalanine, Miscellaneous (%)	2146	1.750	0.0800				2			0
132.99	Phenylalanine, Miscellaneous (%)	0227	1.805	0.0300				2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0226	1.520	0.0264	1.619	0.0787	0.0298	15	-1.26	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	1.525	0.0300	1.619	0.0787	0.0298	15	-1.20	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0939	1.555	0.0100	1.619	0.0787	0.0298	15	-0.82	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	1.574	0.0090	1.619	0.0787	0.0298	15	-0.58	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	1.583	0.0100	1.619	0.0787	0.0298	15	-0.46	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0941	1.587	0.0000	1.619	0.0787	0.0298	15	-0.41	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	1.591	0.0230	1.619	0.0787	0.0298	15	-0.37	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0682	1.600	0.0000	1.619	0.0787	0.0298	15	-0.25	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	1.607	0.0720	1.619	0.0787	0.0298	15	-0.16	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	1.645	0.0100	1.619	0.0787	0.0298	15	0.32	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.665	0.1700	1.619	0.0787	0.0298	15	0.58	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	1.681	0.0070	1.619	0.0787	0.0298	15	0.78	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.685	0.0100	1.619	0.0787	0.0298	15	0.83	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0353	1.825	0.0300	1.619	0.0787	0.0298	15	2.61	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	2.653	0.0860	1.619	0.0787	0.0298	15	13.14	32%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	1.845	0.5500	1.619	0.0787	0.0298	15	2.87	7%	1
133.05	Proline, Pre-col AQC Der (%)	2188	1.473	0.0000	1.594	0.0846	0.0569	9	-1.43	4%	0
133.05	Proline, Pre-col AQC Der (%)	2246	1.535	0.0098	1.594	0.0846	0.0569	9	-0.69	2%	0
133.05	Proline, Pre-col AQC Der (%)	2196	1.557	0.0000	1.594	0.0846	0.0569	9	-0.43	1%	0
133.05	Proline, Pre-col AQC Der (%)	2319	1.575	0.1100	1.594	0.0846	0.0569	9	-0.22	1%	0
133.05	Proline, Pre-col AQC Der (%)	0870	1.578	0.0290	1.594	0.0846	0.0569	9	-0.19	1%	0
133.05	Proline, Pre-col AQC Der (%)	0610	1.605	0.0100	1.594	0.0846	0.0569	9	0.13	0%	0
133.05	Proline, Pre-col AQC Der (%)	0148	1.615	0.0300	1.594	0.0846	0.0569	9	0.25	1%	0
133.05	Proline, Pre-col AQC Der (%)	0407	1.690	0.1700	1.594	0.0846	0.0569	9	1.14	3%	0
133.05	Proline, Pre-col AQC Der (%)	0626	1.715	0.0620	1.594	0.0846	0.0569	9	1.43	4%	0
133.99	Proline, Miscellaneous (%)	0227	1.615	0.0300				2			0
133.99	Proline, Miscellaneous (%)	2146	1.965	0.0300				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	1.400	0.0200	1.654	0.0701	0.0313	16	-3.62	8%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	1.461	0.0740	1.654	0.0701	0.0313	16	-2.75	6%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	1.598	0.0540	1.654	0.0701	0.0313	16	-0.80	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0353	1.615	0.0100	1.654	0.0701	0.0313	16	-0.56	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	1.616	0.0070	1.654	0.0701	0.0313	16	-0.55	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	1.620	0.0400	1.654	0.0701	0.0313	16	-0.49	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0682	1.643	0.0000	1.654	0.0701	0.0313	16	-0.16	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	1.650	0.1000	1.654	0.0701	0.0313	16	-0.06	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
134.00	Serine, Post-col Ninhydrin Der (%)	0644	1.666	0.0320	1.654	0.0701	0.0313	16	0.17	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0941	1.667	0.0000	1.654	0.0701	0.0313	16	0.18	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	1.671	0.0080	1.654	0.0701	0.0313	16	0.24	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0939	1.695	0.0100	1.654	0.0701	0.0313	16	0.58	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	1.710	0.0200	1.654	0.0701	0.0313	16	0.80	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0652	1.720	0.0600	1.654	0.0701	0.0313	16	0.94	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	1.738	0.0030	1.654	0.0701	0.0313	16	1.19	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0226	1.763	0.0266	1.654	0.0701	0.0313	16	1.55	3%	0
134.02	Serine, Post-col OPA Der (%)	0098	1.597	0.0020				1			0
134.05	Serine, Pre-col AQC Der (%)	0870	1.381	0.0120	1.622	0.1641	0.0644	9	-1.47	7%	0
134.05	Serine, Pre-col AQC Der (%)	2188	1.500	0.0000	1.622	0.1641	0.0644	9	-0.74	4%	0
134.05	Serine, Pre-col AQC Der (%)	0610	1.565	0.0100	1.622	0.1641	0.0644	9	-0.35	2%	0
134.05	Serine, Pre-col AQC Der (%)	0407	1.576	0.1640	1.622	0.1641	0.0644	9	-0.28	1%	0
134.05	Serine, Pre-col AQC Der (%)	2196	1.580	0.0000	1.622	0.1641	0.0644	9	-0.26	1%	0
134.05	Serine, Pre-col AQC Der (%)	2319	1.665	0.0300	1.622	0.1641	0.0644	9	0.26	1%	0
134.05	Serine, Pre-col AQC Der (%)	0626	1.708	0.0610	1.622	0.1641	0.0644	9	0.52	3%	0
134.05	Serine, Pre-col AQC Der (%)	0148	1.755	0.1300	1.622	0.1641	0.0644	9	0.81	4%	0
134.05	Serine, Pre-col AQC Der (%)	2246	1.875	0.0437	1.622	0.1641	0.0644	9	1.54	8%	0
134.99	Serine, Miscellaneous (%)	0227	1.670	0.0200				2			0
134.99	Serine, Miscellaneous (%)	2146	1.715	0.1100				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	1.116	0.0740	1.267	0.0231	0.0208	16	-6.54	6%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0682	1.242	0.0000	1.267	0.0231	0.0208	16	-1.08	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	1.245	0.0230	1.267	0.0231	0.0208	16	-0.97	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0353	1.250	0.0000	1.267	0.0231	0.0208	16	-0.73	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	1.255	0.0400	1.267	0.0231	0.0208	16	-0.51	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	1.255	0.0300	1.267	0.0231	0.0208	16	-0.51	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	1.265	0.0100	1.267	0.0231	0.0208	16	-0.08	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	1.265	0.0900	1.267	0.0231	0.0208	16	-0.08	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	1.267	0.0030	1.267	0.0231	0.0208	16	-0.02	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.270	0.0200	1.267	0.0231	0.0208	16	0.14	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	1.275	0.0100	1.267	0.0231	0.0208	16	0.35	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0939	1.275	0.0100	1.267	0.0231	0.0208	16	0.35	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	1.280	0.0120	1.267	0.0231	0.0208	16	0.57	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0941	1.292	0.0030	1.267	0.0231	0.0208	16	1.07	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	1.314	0.0249	1.267	0.0231	0.0208	16	2.06	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	1.333	0.0130	1.267	0.0231	0.0208	16	2.85	3%	0
135.02	Threonine, Post-col OPA Der (%)	0098	1.195	0.0790				1			0
135.05	Threonine, Pre-col AQC Der (%)	0870	1.067	0.0160	1.270	0.1516	0.0609	8	-1.34	8%	0
135.05	Threonine, Pre-col AQC Der (%)	2188	1.106	0.0300	1.270	0.1516	0.0609	8	-1.08	6%	0
135.05	Threonine, Pre-col AQC Der (%)	0610	1.250	0.0200	1.270	0.1516	0.0609	8	-0.13	1%	0
135.05	Threonine, Pre-col AQC Der (%)	2196	1.264	0.0000	1.270	0.1516	0.0609	8	-0.04	0%	0
135.05	Threonine, Pre-col AQC Der (%)	0626	1.316	0.0490	1.270	0.1516	0.0609	8	0.30	2%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
135.05	Threonine, Pre-col AQC Der (%)	0407	1.319	0.1450	1.270	0.1516	0.0609	8	0.32	2%	0
135.05	Threonine, Pre-col AQC Der (%)	0148	1.365	0.1100	1.270	0.1516	0.0609	8	0.62	4%	0
135.05	Threonine, Pre-col AQC Der (%)	2246	1.477	0.0583	1.270	0.1516	0.0609	8	1.37	8%	0
135.05	Threonine, Pre-col AQC Der (%)	2319	1.460	0.8800	1.270	0.1516	0.0609	8	1.25	7%	1
135.99	Threonine, Miscellaneous (%)	2146	1.230	0.0200				3			0
135.99	Threonine, Miscellaneous (%)	0227	1.295	0.0100				3			0
135.99	Threonine, Miscellaneous (%)	2246	1.377	0.3439				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.3800	0.0400	0.4516	0.0592	0.0248	6	-1.21	8%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0723	0.4050	0.0100	0.4516	0.0592	0.0248	6	-0.79	5%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0682	0.4400	0.0000	0.4516	0.0592	0.0248	6	-0.20	1%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.4835	0.0390	0.4516	0.0592	0.0248	6	0.54	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0941	0.4858	0.0000	0.4516	0.0592	0.0248	6	0.58	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.5150	0.0100	0.4516	0.0592	0.0248	6	1.07	7%	0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0571	0.4690	0.0040				2			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.4695	0.0030				2			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.4550	0.0120				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.4395	0.0010	0.4728	0.0365	0.0085	6	-0.91	4%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.4415	0.0050	0.4728	0.0365	0.0085	6	-0.86	3%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.4500	0.0012	0.4728	0.0365	0.0085	6	-0.62	2%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0226	0.4987	0.0151	0.4728	0.0365	0.0085	6	0.71	3%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0353	0.5000	0.0200	0.4728	0.0365	0.0085	6	0.75	3%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2196	0.5070	0.0000	0.4728	0.0365	0.0085	6	0.94	4%	0
136.05	Tryptophan, Pre-col AQC Der (%)	2246	0.3274	0.0236	0.4364	0.0808	0.0219	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	2319	0.4400	0.0200	0.4364	0.0808	0.0219	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	0870	0.4560	0.0000	0.4364	0.0808	0.0219	4			0
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.5220	0.0220	0.4364	0.0808	0.0219	4			0
136.99	Tryptophan, Miscellaneous (%)	2246	0.3839	0.0236				2			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.4350	0.0300				2			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.7350	0.1500	1.112	0.0885	0.0144	13	-4.26	17%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0941	0.9380	0.0000	1.112	0.0885	0.0144	13	-1.96	8%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	1.065	0.0100	1.112	0.0885	0.0144	13	-0.53	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	1.083	0.0180	1.112	0.0885	0.0144	13	-0.32	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	1.090	0.0200	1.112	0.0885	0.0144	13	-0.25	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	1.102	0.0050	1.112	0.0885	0.0144	13	-0.12	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0939	1.115	0.0100	1.112	0.0885	0.0144	13	0.04	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	1.123	0.0101	1.112	0.0885	0.0144	13	0.12	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0353	1.135	0.0100	1.112	0.0885	0.0144	13	0.26	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	1.139	0.0130	1.112	0.0885	0.0144	13	0.30	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.155	0.1300	1.112	0.0885	0.0144	13	0.49	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	1.260	0.0040	1.112	0.0885	0.0144	13	1.67	7%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0682	1.302	0.0000	1.112	0.0885	0.0144	13	2.15	9%	0
137.02	Tyrosine, Post-col OPA Der (%)	0098	1.027	0.0190				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
137.05	Tyrosine, Pre-col AQC Der (%)	0870	0.9895	0.0210	1.115	0.1300	0.0568	9	-0.97	6%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2319	0.9900	0.1000	1.115	0.1300	0.0568	9	-0.97	6%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0626	1.022	0.0140	1.115	0.1300	0.0568	9	-0.72	4%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2188	1.063	0.0000	1.115	0.1300	0.0568	9	-0.40	2%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2246	1.107	0.0137	1.115	0.1300	0.0568	9	-0.06	0%	0
137.05	Tyrosine, Pre-col AQC Der (%)	2196	1.112	0.0000	1.115	0.1300	0.0568	9	-0.03	0%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0610	1.200	0.0000	1.115	0.1300	0.0568	9	0.65	4%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0148	1.245	0.0500	1.115	0.1300	0.0568	9	1.00	6%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0407	1.373	0.1420	1.115	0.1300	0.0568	9	1.98	12%	0
137.99	Tyrosine, Miscellaneous (%)	0227	1.050	0.0200				2			0
137.99	Tyrosine, Miscellaneous (%)	2146	1.115	0.0300				2			0
138.00	Valine, Post-col Ninhydrin Der (%)	0939	1.385	0.0100	1.542	0.0795	0.0204	15	-1.97	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0675	1.445	0.0300	1.542	0.0795	0.0204	15	-1.22	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	1.465	0.0100	1.542	0.0795	0.0204	15	-0.96	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	1.470	0.0360	1.542	0.0795	0.0204	15	-0.90	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0226	1.491	0.0329	1.542	0.0795	0.0204	15	-0.64	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	1.532	0.0080	1.542	0.0795	0.0204	15	-0.12	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0353	1.535	0.0300	1.542	0.0795	0.0204	15	-0.08	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	1.564	0.0040	1.542	0.0795	0.0204	15	0.28	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	1.570	0.0160	1.542	0.0795	0.0204	15	0.36	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	1.570	0.0400	1.542	0.0795	0.0204	15	0.36	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0941	1.575	0.0130	1.542	0.0795	0.0204	15	0.41	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	1.590	0.0040	1.542	0.0795	0.0204	15	0.61	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0682	1.606	0.0000	1.542	0.0795	0.0204	15	0.81	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	1.629	0.0060	1.542	0.0795	0.0204	15	1.10	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	1.725	0.0700	1.542	0.0795	0.0204	15	2.31	6%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	1.550	0.1200	1.542	0.0795	0.0204	15	0.11	0%	1
138.02	Valine, Post-col OPA Der (%)	0098	1.646	0.0290				1			0
138.05	Valine, Pre-col AQC Der (%)	2319	0.8600	0.1000	1.599	0.0775	0.0639	9	-9.53	23%	0
138.05	Valine, Pre-col AQC Der (%)	2196	1.556	0.0000	1.599	0.0775	0.0639	9	-0.55	1%	0
138.05	Valine, Pre-col AQC Der (%)	0870	1.557	0.0330	1.599	0.0775	0.0639	9	-0.55	1%	0
138.05	Valine, Pre-col AQC Der (%)	2188	1.569	0.0000	1.599	0.0775	0.0639	9	-0.38	1%	0
138.05	Valine, Pre-col AQC Der (%)	2246	1.582	0.0448	1.599	0.0775	0.0639	9	-0.22	1%	0
138.05	Valine, Pre-col AQC Der (%)	0610	1.610	0.0000	1.599	0.0775	0.0639	9	0.14	0%	0
138.05	Valine, Pre-col AQC Der (%)	0148	1.670	0.0200	1.599	0.0775	0.0639	9	0.92	2%	0
138.05	Valine, Pre-col AQC Der (%)	0407	1.678	0.1640	1.599	0.0775	0.0639	9	1.02	2%	0
138.05	Valine, Pre-col AQC Der (%)	0626	1.686	0.0360	1.599	0.0775	0.0639	9	1.12	3%	0
138.99	Valine, Miscellaneous (%)	2146	1.535	0.0300				2			0
138.99	Valine, Miscellaneous (%)	0227	1.665	0.0300				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0682	0.0150	0.0000				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1100	0.0800				2			0
139.02	Taurine, Post-col OPA Der (%)	0098	< 0.01					0			5

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
139.05	Taurine, Pre-col AQC Der (%)	2319	0.0028	0.0002				2			0
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0060	0.0000				2			0
139.99	Taurine, Miscellaneous (%)	0227	< 0.01					0			5
139.99	Taurine, Miscellaneous (%)	0910	< 50					0			5
160.10	Fructose, HPAEC PAD (%)	0297	0.1850	0.0100				1			0
160.99	Fructose, Miscellaneous (%)	0227	0.4500	0.0000				1			0
161.10	Galactose, HPAEC PAD (%)	0297	0.0000	0.0000				0			4
162.10	Glucose, HPAEC PAD (%)	0297	0.0750	0.0100				1			0
162.99	Glucose, Miscellaneous (%)	0689	8.800	0.0000				1			0
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					1			5
163.10	Lactose, HPAEC PAD (%)	0297	0.0000	0.0000				0			4
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0			5
164.10	Maltose, HPAEC PAD (%)	0297	0.0000	0.0000				0			4
164.99	Maltose, Miscellaneous (%)	0148	0.1855	0.0050				1			0
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					1			5
165.10	Sucrose, HPAEC PAD (%)	0297	4.565	0.0700				1			0
165.99	Sucrose, Miscellaneous (%)	0227	4.640	0.0600				2			0
165.99	Sucrose, Miscellaneous (%)	0148	5.135	0.4100				2			0
166.10	Raffinose, HPAEC PAD (%)	0297	1.640	0.0400				1			0
166.99	Raffinose, Miscellaneous (%)	0227	1.410	0.0000				1			0
167.10	Stachyose, HPAEC PAD (%)	0297	2.640	0.0200				1			0
167.99	Stachyose, Miscellaneous (%)	0227	2.790	0.0000				1			0
351.00	Chlortetracycline, Plate (ppm)	0218	92.57	0.0559				3			0
351.00	Chlortetracycline, Plate (ppm)	0027	94.38	13.15				3			0
351.00	Chlortetracycline, Plate (ppm)	0964	102.3	4.740				3			0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0009	82.37	9.466	107.8	22.81	3.617	8	-1.11	12%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0010	89.65	0.1000	107.8	22.81	3.617	8	-0.79	8%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0036	98.17	3.941	107.8	22.81	3.617	8	-0.42	4%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0035	98.86	0.5000	107.8	22.81	3.617	8	-0.39	4%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0001	103.5	1.000	107.8	22.81	3.617	8	-0.19	2%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0013	123.2	5.080	107.8	22.81	3.617	8	0.68	7%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	2451	125.0	1.030	107.8	22.81	3.617	8	0.76	8%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	2114	141.4	7.820	107.8	22.81	3.617	8	1.47	16%	0
351.03	Chlortetracycline, LC (UV or FL) (ppm)	0038	92.55	30.90	107.8	22.81	3.617	8	-0.67	7%	1
351.05	Chlortetracycline, LC-MS/MS (ppm)	0939	64.58	2.110	141.9	85.09	11.43	4			0
351.05	Chlortetracycline, LC-MS/MS (ppm)	0884	107.6	1.600	141.9	85.09	11.43	4			0
351.05	Chlortetracycline, LC-MS/MS (ppm)	0028	133.0	22.01	141.9	85.09	11.43	4			0
351.05	Chlortetracycline, LC-MS/MS (ppm)	0148	262.3	20.01	141.9	85.09	11.43	4			0
354.01	Decoquinatate, LC (UV or FL) (ppm)	0910	< 0.1					0			5
361.02	Lasalocid Sodium, LC (ppm)	0043	168.0	2.550	201.1	9.800	6.941	7	-3.37	8%	0
361.02	Lasalocid Sodium, LC (ppm)	0013	194.5	9.000	201.1	9.800	6.941	7	-0.67	2%	0
361.02	Lasalocid Sodium, LC (ppm)	0036	198.9	8.149	201.1	9.800	6.941	7	-0.22	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
361.02	Lasalocid Sodium, LC (ppm)	0035	203.6	19.67	201.1	9.800	6.941	7	0.26	1%	0
361.02	Lasalocid Sodium, LC (ppm)	0033	205.0	10.00	201.1	9.800	6.941	7	0.40	1%	0
361.02	Lasalocid Sodium, LC (ppm)	0001	206.5	1.000	201.1	9.800	6.941	7	0.56	1%	0
361.02	Lasalocid Sodium, LC (ppm)	0006	212.6	1.140	201.1	9.800	6.941	7	1.18	3%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	2451	137.2	3.600	185.4	13.44	3.905	10	-3.59	13%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0610	173.5	1.000	185.4	13.44	3.905	10	-0.89	3%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0590	176.0	8.000	185.4	13.44	3.905	10	-0.70	3%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0028	182.2	0.8200	185.4	13.44	3.905	10	-0.24	1%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	2114	183.4	0.0600	185.4	13.44	3.905	10	-0.15	1%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0010	188.5	8.800	185.4	13.44	3.905	10	0.23	1%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0964	190.1	0.8700	185.4	13.44	3.905	10	0.35	1%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0218	194.5	1.000	185.4	13.44	3.905	10	0.68	2%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0009	195.1	4.408	185.4	13.44	3.905	10	0.72	3%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0148	217.7	16.89	185.4	13.44	3.905	10	2.40	9%	0
361.03	Lasalocid Sodium, LC (UV or FL) (ppm)	0038	205.0	66.00	185.4	13.44	3.905	10	1.46	5%	1
361.05	Lasalocid Sodium, LC-MS/MS (ppm)	2113	170.0	20.00				3			0
361.05	Lasalocid Sodium, LC-MS/MS (ppm)	0553	266.3	3.000				3			0
361.05	Lasalocid Sodium, LC-MS/MS (ppm)	0875	275.0	10.00				3			0
365.02	Monensin, LC (ppm)	0910	< 0.3					0			5
365.03	Monensin, LC-PCD (ppm)	2055	185.0	14.00				1			0
365.05	Monensin, LC-MS/MS (ppm)	2055	204.9	43.00				1			0
367.99	Nicarbazin, Miscellaneous (ppm)	0910	< 0.1					0			5
386.99	Tiamulin, Miscellaneous (ppm)	0910	< 1					0			5
388.03	Tylosin, LC (ppm)	0910	< 0.2					0			5
392.99	Fenbendazole, Miscellaneous (ppm)	0910	< 1					0			5
400.01	Water Activity, Aqualab chilled mirror (Units)	0853	0.5508	0.0024	0.5631	0.0083	0.0019	11	-1.47	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2303	0.5570	0.0060	0.5631	0.0083	0.0019	11	-0.73	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5574	0.0001	0.5631	0.0083	0.0019	11	-0.69	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2181	0.5593	0.0005	0.5631	0.0083	0.0019	11	-0.46	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0123	0.5600	0.0000	0.5631	0.0083	0.0019	11	-0.37	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0942	0.5605	0.0030	0.5631	0.0083	0.0019	11	-0.31	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2168	0.5660	0.0000	0.5631	0.0083	0.0019	11	0.35	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0589	0.5665	0.0010	0.5631	0.0083	0.0019	11	0.41	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0885	0.5690	0.0000	0.5631	0.0083	0.0019	11	0.71	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2109	0.5719	0.0026	0.5631	0.0083	0.0019	11	1.06	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2114	0.5759	0.0010	0.5631	0.0083	0.0019	11	1.54	1%	0
413.01	Starch, Resistant, Enzymatic-Colorimetric (%)	0171	2.770	0.2400				1			0
516.00	Arsenic, Total (As), AA, Hydride (ppm)	0045	0.1500	0.0200				1			0
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	0682	< 20					0			5
516.52	Arsenic, Total (As), ICP-MS, Open vessel (ppm)	0186	0.1202	0.0071				2			0
516.52	Arsenic, Total (As), ICP-MS, Open vessel (ppm)	0910	0.1300	0.0000				2			0
516.52	Arsenic, Total (As), ICP-MS, Open vessel (ppm)	0555	< 2					2			5

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	0.1290	0.0140				2		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	0.1505	0.0335				2		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.1438	0.0239				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.1475	0.0018				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	0968	0.1773	0.0041				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	0682	< 0.2					2		5	
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0910	0.1450	0.0100				2		0	
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0186	0.1590	0.0020				2		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0939	0.1600	0.0400				3		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.1752	0.0356				3		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.1770	0.0160				3		0	
518.99	Cadmium, Miscellaneous (ppm)	2114	0.1582	0.0008				1		0	
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	9.794	0.3156				1		0	
520.42	Chromium, Total (Cr), ICP, Open vessel (ppm)	0685	12.91	0.6000				2		0	
520.42	Chromium, Total (Cr), ICP, Open vessel (ppm)	0045	14.10	0.2000				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	10.75	0.0838	12.47	1.561	0.1739	5		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0968	11.55	0.0380	12.47	1.561	0.1739	5		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0297	12.00	0.0000	12.47	1.561	0.1739	5		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	13.40	0.4000	12.47	1.561	0.1739	5		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0682	14.67	0.0000	12.47	1.561	0.1739	5		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0964	14.60	1.200	12.47	1.561	0.1739	5		1	
520.51	Chromium, Total (Cr), ICP-MS, Dry ash (ppm)	0910	10.53	3.740				1		0	
520.52	Chromium, Total (Cr), ICP-MS, Open vessel (ppm)	0186	9.405	0.4900				1		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0939	12.34	1.690				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0164	12.75	0.1000				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0407	12.79	2.655				3		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.3021	0.1664				1		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.3188	0.0321				1		0	
526.43	Lead, ICP, Microwave (ppm)	0682	< 10					1		5	
526.52	Lead, ICP-MS, Open vessel (ppm)	0910	0.2750	0.0100				2		0	
526.52	Lead, ICP-MS, Open vessel (ppm)	0186	0.3140	0.0380				2		0	
526.52	Lead, ICP-MS, Open vessel (ppm)	0555	< 2					2		5	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.2970	0.0200				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0939	0.3250	0.0100				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.3251	0.0570				3		0	
529.99	Mercury, Miscellaneous (ppb)	0407	9.636	1.966				1		0	
529.99	Mercury, Miscellaneous (ppb)	0910	< 0.01					1		5	
529.99	Mercury, Miscellaneous (ppb)	0227	< 10					1		5	
529.99	Mercury, Miscellaneous (ppb)	0682	< 10000					1		5	
539.41	Nickel, ICP, Dry ash (ppm)	0407	5.027	0.0135				1		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	5.057	0.2275	6.253	0.8367	0.5925	4		0	
539.43	Nickel, ICP, Microwave (ppm)	0964	6.445	0.5500	6.253	0.8367	0.5925	4		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
539.43	Nickel, ICP, Microwave (ppm)	0297	6.500	1.000	6.253	0.8367	0.5925	4		0	
539.43	Nickel, ICP, Microwave (ppm)	0682	7.010	0.0000	6.253	0.8367	0.5925	4		0	
539.51	Nickel, ICP-MS, Dry ash (ppm)	0910	3.975	0.0500				1		0	
539.52	Nickel, ICP-MS, Open vessel (ppm)	0186	4.370	0.2200				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	5.692	0.1532				2		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0939	5.785	0.4100				2		0	
702.00	Butyric Acid (4:0), Miscellaneous GC (%)	0164	< 0.02					0		5	
704.00	Caproic Acid (6:0), Miscellaneous GC (%)	0164	< 0.02					0		5	
706.99	Caprylic acid (8:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
706.99	Caprylic acid (8:0), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
708.99	Capric acid (10:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
708.99	Capric acid (10:0), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	< 0.01					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0226	0.0147	0.0001				2		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0910	0.5600	0.0200				2		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	< 0.02					2		5	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0226	0.5657	0.0075				3		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	0.6185	0.0130				3		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0910	20.24	0.1400				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.0110	0.0000				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0226	0.0171	0.0002				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0910	0.5950	0.0100				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	< 0.02					3		5	
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0226	0.1494	0.0030				3		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0164	0.1535	0.0030				3		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0910	5.890	0.1000				3		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0226	0.4723	0.0032				3		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.4995	0.0050				3		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0910	20.65	0.1700				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	1.056	0.0100				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	1.243	0.0060				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0226	1.248	0.0087				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0910	44.42	0.2100				3		2	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0676	0.0865	0.0010				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0226	0.0998	0.0016				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	0.1005	0.0010				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0910	3.210	0.0600				3		2	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0226	0.0086	0.0002				2		0	

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730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0910	0.3150	0.0300				2		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0164	< 0.02					2		5	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0226	0.0067	0.0001				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0676	< 0.01					0		5	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0676	0.0000	0.0000				0		4	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0226	0.0087	0.0003				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0910	0.3300	0.0200				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	< 0.02					2		5	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c-20:5), Miscellaneous (% (w/w))	0676	0.0000	0.0000				0		4	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c-20:5), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c-20:5), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c-20:5), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0226	0.0072	0.0004				2		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0910	0.2650	0.0300				2		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0164	< 0.02					2		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-20:6), Miscellaneous (% (w/w))	0676	0.0000	0.0000				0		4	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-20:6), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-20:6), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-20:6), Miscellaneous (% (w/w))	0910	< 0.05					0		5	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0226	< 0.005					0		5	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0164	< 0.02					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0676	0.0900	0.0000				2		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0164	0.1015	0.0010				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0676	1.065	0.0100				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0164	1.252	0.0060				2		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.8395	0.0190				2		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0910	27.89	0.0600				2		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0910	21.76	0.1600				1		0	
764.99	Total cis Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.5745	0.0070				1		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	0910	47.70	0.2600				1		0	
768.99	Total cis Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	1.360	0.0060				1		0	
770.99	Total Fat (equivalent to NLEA), Miscellaneous (% (w/w))	0164	2.921	0.0370				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0226	2.598	0.0248				2		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	2.792	0.0360				2		0	

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
<p><b>Note 1:</b> Interpreting Z Scores: Red indicates a normally distributed Z value &gt;3 or &lt;-3 (requires action), Orange = Z between 2 and 3 or between -2 and -3 (warning) and Green = Z &lt;= 2 and &gt;= -2 (OK at 95%).</p>											
<p><b>Note 2:</b> Data Not Used Flags: 1=Rejected for duplicates too far apart, 2=Rejected as extreme outlier, 5=Reporting limit (&lt;), 4=Zeros submitted as values and 3=Statistical problem. Flag 0 indicates data used in calculations.</p>											
<p><b>Note 3:</b> *Robust statistics not used if &lt; 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). A zero range is not included in robust R-bar calculation.</p>											