



AAFCO
Proficiency Testing Program



Cattle Mineral

Animal Feed Scheme

Labs Reporting: 161

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	0.10000	0.00000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2106	1.7150	0.87000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	1.7900	0.01600				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0620	2.0245	0.02370				3			0
001.05	Loss on Drying, LECO (%)	0610	1.7500	0.04000				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	1.8300	0.04000	2.0545	0.18677	0.06752	19	-1.20	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	1.8350	0.05000	2.0545	0.18677	0.06752	19	-1.18	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	1.8722	0.04990	2.0545	0.18677	0.06752	19	-0.98	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	1.9050	0.01000	2.0545	0.18677	0.06752	19	-0.80	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	1.9150	0.03000	2.0545	0.18677	0.06752	19	-0.75	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0638	1.9500	0.02000	2.0545	0.18677	0.06752	19	-0.56	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	1.9500	0.30000	2.0545	0.18677	0.06752	19	-0.56	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	1.9700	0.00000	2.0545	0.18677	0.06752	19	-0.45	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	1.9950	0.07000	2.0545	0.18677	0.06752	19	-0.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	2.0400	0.02000	2.0545	0.18677	0.06752	19	-0.08	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	2.0500	0.30000	2.0545	0.18677	0.06752	19	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	2.0535	0.01300	2.0545	0.18677	0.06752	19	-0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	2.1050	0.05000	2.0545	0.18677	0.06752	19	0.27	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	2.1750	0.09000	2.0545	0.18677	0.06752	19	0.65	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	2.1850	0.07000	2.0545	0.18677	0.06752	19	0.70	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	2.2600	0.06000	2.0545	0.18677	0.06752	19	1.10	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	2.2750	0.01000	2.0545	0.18677	0.06752	19	1.18	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	3.0800	0.06000	2.0545	0.18677	0.06752	19	5.49	25%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	3.1400	0.04000	2.0545	0.18677	0.06752	19	5.81	26%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	2.2550	0.45000	2.0545	0.18677	0.06752	19	1.07	5%	1
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	0.00000	0.00000	2.0545	0.18677	0.06752	19			4
001.99	Loss on Drying, Miscellaneous (%)	0853	1.7450	0.01000	2.0200	0.28666	0.00500	8	-0.96	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	1.8000	0.00000	2.0200	0.28666	0.00500	8	-0.77	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	1.8150	0.01000	2.0200	0.28666	0.00500	8	-0.72	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0098	1.8350	0.01000	2.0200	0.28666	0.00500	8	-0.65	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	2.1000	0.00000	2.0200	0.28666	0.00500	8	0.28	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	2.1650	0.01000	2.0200	0.28666	0.00500	8	0.51	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	2.3200	0.00000	2.0200	0.28666	0.00500	8	1.05	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
001.99	Loss on Drying, Miscellaneous (%)	0852	2.3800	0.00000	2.0200	0.28666	0.00500	8	1.26	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	2.1400	0.04000	2.0200	0.28666	0.00500	8	0.42	3%	1
002.00	Protein, Crude (%)	2128	0.19600	0.01000				2			0
002.00	Protein, Crude (%)	0169	2.0600	0.10000				2			0
002.01	Protein, Auto Kjeh-Foss (%)	0610	1.6000	0.00000	1.6150	0.02121	0.02500	4	-0.71	0%	0
002.01	Protein, Auto Kjeh-Foss (%)	0870	1.6300	0.01000	1.6150	0.02121	0.02500	4	0.71	0%	0
002.01	Protein, Auto Kjeh-Foss (%)	0889	2.0050	0.09000	1.6150	0.02121	0.02500	4	18.38	12%	0
002.01	Protein, Auto Kjeh-Foss (%)	0685	9.0600	0.00000	1.6150	0.02121	0.02500	4	350.96	230%	0
002.04	Protein, Copper Catalyst (%)	0638	1.5350	0.00000				3			0
002.04	Protein, Copper Catalyst (%)	0874	1.6350	0.05000				3			0
002.04	Protein, Copper Catalyst (%)	0728	1.7000	0.06000				3			0
002.05	Protein, Copper, Boric Acid (%)	0623	1.1375	0.35300	1.6276	0.18948	0.10499	7	-2.59	15%	0
002.05	Protein, Copper, Boric Acid (%)	2097	1.5325	0.03150	1.6276	0.18948	0.10499	7	-0.50	3%	0
002.05	Protein, Copper, Boric Acid (%)	0952	1.5550	0.03000	1.6276	0.18948	0.10499	7	-0.38	2%	0
002.05	Protein, Copper, Boric Acid (%)	0015	1.6450	0.11000	1.6276	0.18948	0.10499	7	0.09	1%	0
002.05	Protein, Copper, Boric Acid (%)	2073	1.7050	0.15000	1.6276	0.18948	0.10499	7	0.41	2%	0
002.05	Protein, Copper, Boric Acid (%)	0622	1.7726	0.00040	1.6276	0.18948	0.10499	7	0.77	4%	0
002.05	Protein, Copper, Boric Acid (%)	0683	1.8400	0.06000	1.6276	0.18948	0.10499	7	1.12	7%	0
002.05	Protein, Copper, Boric Acid (%)	2106	2.6300	1.2600	1.6276	0.18948	0.10499	7	5.29	31%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	0.69500	0.02000	1.7564	0.33753	0.08461	29	-3.14	30%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0720	1.2750	0.11000	1.7564	0.33753	0.08461	29	-1.43	14%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	1.3400	0.06000	1.7564	0.33753	0.08461	29	-1.23	12%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	1.3750	0.09000	1.7564	0.33753	0.08461	29	-1.13	11%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	1.4900	0.20000	1.7564	0.33753	0.08461	29	-0.79	8%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	1.5000	0.00000	1.7564	0.33753	0.08461	29	-0.76	7%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	1.5700	0.00000	1.7564	0.33753	0.08461	29	-0.55	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	1.5850	0.09000	1.7564	0.33753	0.08461	29	-0.51	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	1.6000	0.20000	1.7564	0.33753	0.08461	29	-0.46	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1019	1.6000	0.06000	1.7564	0.33753	0.08461	29	-0.46	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	1.6445	0.08550	1.7564	0.33753	0.08461	29	-0.33	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	1.6550	0.11000	1.7564	0.33753	0.08461	29	-0.30	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	1.6550	0.07000	1.7564	0.33753	0.08461	29	-0.30	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	1.6700	0.04000	1.7564	0.33753	0.08461	29	-0.26	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	1.7350	0.11000	1.7564	0.33753	0.08461	29	-0.06	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	1.7550	0.21000	1.7564	0.33753	0.08461	29	0.00	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	1.7700	0.00000	1.7564	0.33753	0.08461	29	0.04	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	1.7750	0.05000	1.7564	0.33753	0.08461	29	0.06	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0554	1.7800	0.10000	1.7564	0.33753	0.08461	29	0.07	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	1.7950	0.03000	1.7564	0.33753	0.08461	29	0.11	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	1.8673	0.10700	1.7564	0.33753	0.08461	29	0.33	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	2.0100	0.16000	1.7564	0.33753	0.08461	29	0.75	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	2.0150	0.01000	1.7564	0.33753	0.08461	29	0.77	7%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	2.0900	0.00000	1.7564	0.33753	0.08461	29	0.99	9%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	2.1065	0.27500	1.7564	0.33753	0.08461	29	1.04	10%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	2.2400	0.12000	1.7564	0.33753	0.08461	29	1.43	14%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	2.3782	0.09630	1.7564	0.33753	0.08461	29	1.84	18%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	2.7250	0.01000	1.7564	0.33753	0.08461	29	2.87	28%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	3.5500	0.04000	1.7564	0.33753	0.08461	29	5.31	51%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	9.5500	0.10000	1.7564	0.33753	0.08461	29	23.09	222%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0609	0.00000	0.00000	1.7564	0.33753	0.08461	29			4
002.08	Protein, Cu/Ti (%)	0563	1.6080	0.04760				1			0
002.99	Protein, Miscellaneous (%)	0681	1.4700	0.04000				2			0
002.99	Protein, Miscellaneous (%)	2004	1.8550	0.01000				2			0
003.00	Fat, Eth Ext., Direct (%)	2106	1.1000	0.08000				2			0
003.00	Fat, Eth Ext., Direct (%)	0309	2.4437	0.21030				2			0
003.06	Fat, Pet Ether (%)	0563	0.83170	0.02280				3			0
003.06	Fat, Pet Ether (%)	0297	0.90000	0.04000				3			0
003.06	Fat, Pet Ether (%)	0687	1.3000	0.20000				3			0
003.09	Fat, Soxtec, Eth Ext (%)	0638	0.85000	0.00000				3			0
003.09	Fat, Soxtec, Eth Ext (%)	0353	1.7550	0.01000				3			0
003.09	Fat, Soxtec, Eth Ext (%)	0685	1.7650	0.01000				3			0
003.10	Fat, Soxtec, Pet Ether (%)	0952	0.35000	0.02000	0.76295	0.25378	0.06437	9	-1.63	27%	0
003.10	Fat, Soxtec, Pet Ether (%)	0720	0.59000	0.08000	0.76295	0.25378	0.06437	9	-0.68	11%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	0.62500	0.01000	0.76295	0.25378	0.06437	9	-0.54	9%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	0.71015	0.04030	0.76295	0.25378	0.06437	9	-0.21	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0728	0.74500	0.01000	0.76295	0.25378	0.06437	9	-0.07	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0623	0.80550	0.00900	0.76295	0.25378	0.06437	9	0.17	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0541	0.91500	0.15000	0.76295	0.25378	0.06437	9	0.60	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	0.95000	0.02000	0.76295	0.25378	0.06437	9	0.74	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	0889	1.1700	0.24000	0.76295	0.25378	0.06437	9	1.60	27%	0
003.10	Fat, Soxtec, Pet Ether (%)	0609	0.00000	0.00000	0.76295	0.25378	0.06437	9			4
003.12	Fat, Hexane Ext (%)	0171	0.80500	0.01000				1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0681	0.73500	0.01000				2			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	0.80350	0.11700				2			0
003.14	Fat, Ankom (%)	0358	0.67500	0.03000	0.86846	0.16070	0.03972	13	-1.20	11%	0
003.14	Fat, Ankom (%)	0037	0.70500	0.01000	0.86846	0.16070	0.03972	13	-1.02	9%	0
003.14	Fat, Ankom (%)	0529	0.73500	0.05000	0.86846	0.16070	0.03972	13	-0.83	8%	0
003.14	Fat, Ankom (%)	0692	0.75000	0.10000	0.86846	0.16070	0.03972	13	-0.74	7%	0
003.14	Fat, Ankom (%)	0956	0.80000	0.00000	0.86846	0.16070	0.03972	13	-0.43	4%	0
003.14	Fat, Ankom (%)	0574	0.81500	0.01000	0.86846	0.16070	0.03972	13	-0.33	3%	0
003.14	Fat, Ankom (%)	0563	0.83170	0.02280	0.86846	0.16070	0.03972	13	-0.23	2%	0
003.14	Fat, Ankom (%)	0407	0.89375	0.00350	0.86846	0.16070	0.03972	13	0.16	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
003.14	Fat, Ankom (%)	0265	0.94000	0.02000	0.86846	0.16070	0.03972	13	0.45	4%	0
003.14	Fat, Ankom (%)	0683	0.94500	0.03000	0.86846	0.16070	0.03972	13	0.48	4%	0
003.14	Fat, Ankom (%)	0278	1.0000	0.20000	0.86846	0.16070	0.03972	13	0.82	8%	0
003.14	Fat, Ankom (%)	0015	1.0900	0.02000	0.86846	0.16070	0.03972	13	1.38	13%	0
003.14	Fat, Ankom (%)	0843	1.5500	0.02000	0.86846	0.16070	0.03972	13	4.24	39%	0
003.14	Fat, Ankom (%)	0853	0.95500	0.29000	0.86846	0.16070	0.03972	13	0.54	5%	1
003.99	Fat, Miscellaneous (%)	1019	9.4450	0.21000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	2.8550	0.05000	3.1221	0.30958	0.06096	5	-0.86	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	2.9600	0.02000	3.1221	0.30958	0.06096	5	-0.52	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	2.9953	0.07480	3.1221	0.30958	0.06096	5	-0.41	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0681	3.1600	0.04000	3.1221	0.30958	0.06096	5	0.12	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	3.6400	0.12000	3.1221	0.30958	0.06096	5	1.67	8%	0
004.03	Fiber, Fritted Glass (%)	0353	2.8150	0.07000				1			0
004.06	Fiber, Fibertec (%)	0720	2.2750	0.03000	2.7777	0.32767	0.08833	6	-1.53	9%	0
004.06	Fiber, Fibertec (%)	2006	2.6500	0.04000	2.7777	0.32767	0.08833	6	-0.39	2%	0
004.06	Fiber, Fibertec (%)	0205	2.7250	0.19000	2.7777	0.32767	0.08833	6	-0.16	1%	0
004.06	Fiber, Fibertec (%)	0676	2.9400	0.14000	2.7777	0.32767	0.08833	6	0.50	3%	0
004.06	Fiber, Fibertec (%)	0952	3.0150	0.03000	2.7777	0.32767	0.08833	6	0.72	4%	0
004.06	Fiber, Fibertec (%)	0638	3.0500	0.10000	2.7777	0.32767	0.08833	6	0.83	5%	0
004.06	Fiber, Fibertec (%)	0609	0.00000	0.00000	2.7777	0.32767	0.08833	6			4
004.07	Fiber, ANKOM (%)	0278	2.7350	0.13000	3.4793	0.68826	0.20514	9	-1.08	11%	0
004.07	Fiber, ANKOM (%)	0956	2.9500	0.70000	3.4793	0.68826	0.20514	9	-0.77	8%	0
004.07	Fiber, ANKOM (%)	0563	2.9727	0.16830	3.4793	0.68826	0.20514	9	-0.74	7%	0
004.07	Fiber, ANKOM (%)	0265	3.1600	0.28000	3.4793	0.68826	0.20514	9	-0.46	5%	0
004.07	Fiber, ANKOM (%)	0683	3.2200	0.08000	3.4793	0.68826	0.20514	9	-0.38	4%	0
004.07	Fiber, ANKOM (%)	0692	3.8000	0.20000	3.4793	0.68826	0.20514	9	0.47	5%	0
004.07	Fiber, ANKOM (%)	0407	3.9043	0.02260	3.4793	0.68826	0.20514	9	0.62	6%	0
004.07	Fiber, ANKOM (%)	0870	4.0603	0.18540	3.4793	0.68826	0.20514	9	0.84	8%	0
004.07	Fiber, ANKOM (%)	0529	4.5600	0.08000	3.4793	0.68826	0.20514	9	1.57	16%	0
005.00	Ash, 2h @ 600°C (%)	0852	7.8600	0.12000	76.439	0.89912	0.28131	40	-76.27	45%	0
005.00	Ash, 2h @ 600°C (%)	0598	70.640	0.62000	76.439	0.89912	0.28131	40	-6.45	4%	0
005.00	Ash, 2h @ 600°C (%)	0278	72.465	0.19000	76.439	0.89912	0.28131	40	-4.42	3%	0
005.00	Ash, 2h @ 600°C (%)	0650	73.330	0.48000	76.439	0.89912	0.28131	40	-3.46	2%	0
005.00	Ash, 2h @ 600°C (%)	0205	75.145	0.05000	76.439	0.89912	0.28131	40	-1.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0957	75.355	1.2300	76.439	0.89912	0.28131	40	-1.21	1%	0
005.00	Ash, 2h @ 600°C (%)	0953	75.520	1.3000	76.439	0.89912	0.28131	40	-1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	2073	75.765	0.17000	76.439	0.89912	0.28131	40	-0.75	0%	0
005.00	Ash, 2h @ 600°C (%)	0358	75.865	0.25000	76.439	0.89912	0.28131	40	-0.64	0%	0
005.00	Ash, 2h @ 600°C (%)	0019	75.955	0.07000	76.439	0.89912	0.28131	40	-0.54	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	75.991	0.23870	76.439	0.89912	0.28131	40	-0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0956	76.100	0.20000	76.439	0.89912	0.28131	40	-0.38	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2006	76.110	0.16000	76.439	0.89912	0.28131	40	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0853	76.190	0.26000	76.439	0.89912	0.28131	40	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0674	76.200	0.00000	76.439	0.89912	0.28131	40	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0623	76.270	0.03300	76.439	0.89912	0.28131	40	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0622	76.288	0.05880	76.439	0.89912	0.28131	40	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	76.299	0.74920	76.439	0.89912	0.28131	40	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	2097	76.396	0.86150	76.439	0.89912	0.28131	40	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	76.440	0.44000	76.439	0.89912	0.28131	40	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0152	76.500	0.20000	76.439	0.89912	0.28131	40	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	76.520	0.02000	76.439	0.89912	0.28131	40	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	76.540	0.58000	76.439	0.89912	0.28131	40	0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0874	76.615	0.31000	76.439	0.89912	0.28131	40	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0297	76.650	0.10000	76.439	0.89912	0.28131	40	0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	2106	76.710	0.50000	76.439	0.89912	0.28131	40	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	76.715	0.47000	76.439	0.89912	0.28131	40	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0354	76.800	0.02000	76.439	0.89912	0.28131	40	0.40	0%	0
005.00	Ash, 2h @ 600°C (%)	0620	76.801	0.39550	76.439	0.89912	0.28131	40	0.40	0%	0
005.00	Ash, 2h @ 600°C (%)	0651	76.877	0.15300	76.439	0.89912	0.28131	40	0.49	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	76.940	0.04000	76.439	0.89912	0.28131	40	0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0353	77.060	0.04000	76.439	0.89912	0.28131	40	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	77.286	0.07000	76.439	0.89912	0.28131	40	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	77.400	0.20000	76.439	0.89912	0.28131	40	1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	77.400	0.02800	76.439	0.89912	0.28131	40	1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0681	77.465	0.47000	76.439	0.89912	0.28131	40	1.14	1%	0
005.00	Ash, 2h @ 600°C (%)	0563	77.690	0.06480	76.439	0.89912	0.28131	40	1.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0948	77.765	0.05000	76.439	0.89912	0.28131	40	1.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0265	77.930	0.06000	76.439	0.89912	0.28131	40	1.66	1%	0
005.00	Ash, 2h @ 600°C (%)	1019	79.410	0.00000	76.439	0.89912	0.28131	40	3.30	2%	0
005.00	Ash, 2h @ 600°C (%)	0015	74.965	1.7900	76.439	0.89912	0.28131	40	-1.64	1%	1
005.00	Ash, 2h @ 600°C (%)	0609	0.00000	0.00000	76.439	0.89912	0.28131	40			4
005.05	Ash, 3h @ 550°C (%)	0638	75.920	0.12000	77.098	0.76065	0.16124	12	-1.55	1%	0
005.05	Ash, 3h @ 550°C (%)	0683	76.360	0.24000	77.098	0.76065	0.16124	12	-0.97	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	76.675	0.23000	77.098	0.76065	0.16124	12	-0.56	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	76.835	0.00000	77.098	0.76065	0.16124	12	-0.35	0%	0
005.05	Ash, 3h @ 550°C (%)	0413	76.850	0.30000	77.098	0.76065	0.16124	12	-0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	76.955	0.07000	77.098	0.76065	0.16124	12	-0.19	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	77.015	0.01000	77.098	0.76065	0.16124	12	-0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	77.250	0.10000	77.098	0.76065	0.16124	12	0.20	0%	0
005.05	Ash, 3h @ 550°C (%)	0885	77.318	0.04790	77.098	0.76065	0.16124	12	0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	77.522	0.21700	77.098	0.76065	0.16124	12	0.56	0%	0
005.05	Ash, 3h @ 550°C (%)	0720	78.200	0.40000	77.098	0.76065	0.16124	12	1.45	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.05	Ash, 3h @ 550°C (%)	0689	78.740	0.20000	77.098	0.76065	0.16124	12	2.16	1%	0
005.99	Ash, Miscellaneous (%)	0574	75.075	0.03000	76.735	1.3377	0.13000	4	-1.24	1%	0
005.99	Ash, Miscellaneous (%)	0676	76.715	0.11000	76.735	1.3377	0.13000	4	-0.01	0%	0
005.99	Ash, Miscellaneous (%)	2004	76.800	0.20000	76.735	1.3377	0.13000	4	0.05	0%	0
005.99	Ash, Miscellaneous (%)	0536	78.350	0.18000	76.735	1.3377	0.13000	4	1.21	1%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	4.3150	0.13000				1			0
006.99	Total sugars, Miscellaneous (%)	0956	3.9000	0.40000				1			0
008.02	Fiber, Acid Detergent (%)	0676	3.2250	0.23000				3			0
008.02	Fiber, Acid Detergent (%)	0309	3.9930	0.09470				3			0
008.02	Fiber, Acid Detergent (%)	0353	4.1350	0.07000				3			0
008.02	Fiber, Acid Detergent (%)	0609	0.00000	0.00000				3			4
008.05	Fiber, Acid Detergent-Hach (%)	0265	4.6000	0.00000				1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	2.4473	0.07240	3.4750	0.45912	0.32771	8	-2.24	15%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	2.8800	0.08000	3.4750	0.45912	0.32771	8	-1.30	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	3.5350	0.53000	3.4750	0.45912	0.32771	8	0.13	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	3.6185	0.21930	3.4750	0.45912	0.32771	8	0.31	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0889	3.7000	0.04000	3.4750	0.45912	0.32771	8	0.49	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	3.7500	0.58000	3.4750	0.45912	0.32771	8	0.60	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	3.7500	0.70000	3.4750	0.45912	0.32771	8	0.60	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	3.7800	0.40000	3.4750	0.45912	0.32771	8	0.66	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	7.3650	2.9100	3.4750	0.45912	0.32771	8	8.47	56%	1
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0676	6.3000	0.28000				3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	6.7638	0.00270				3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	12.380	1.1200				3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0609	0.00000	0.00000				3			4
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	3.9925	0.01160	4.7981	1.0265	0.24145	8	-0.78	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	4.0050	0.01000	4.7981	1.0265	0.24145	8	-0.77	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0889	4.1850	0.11000	4.7981	1.0265	0.24145	8	-0.60	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0358	4.2900	0.20000	4.7981	1.0265	0.24145	8	-0.50	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	4.7247	0.00000	4.7981	1.0265	0.24145	8	-0.07	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	4.8500	0.70000	4.7981	1.0265	0.24145	8	0.05	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	6.0000	0.40000	4.7981	1.0265	0.24145	8	1.17	13%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	9.3500	0.50000	4.7981	1.0265	0.24145	8	4.43	47%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	5.7000	5.2000	4.7981	1.0265	0.24145	8	0.88	9%	1
010.03	Moisture, Karl-Fischer (%)	0843	1.5850	0.27000				1			0
010.99	Moisture, Miscellaneous (%)	0722	1.8712	0.01520	2.2887	0.51058	0.19503	7	-0.82	9%	0
010.99	Moisture, Miscellaneous (%)	0952	2.0300	0.00000	2.2887	0.51058	0.19503	7	-0.51	6%	0
010.99	Moisture, Miscellaneous (%)	2089	2.0500	0.22000	2.2887	0.51058	0.19503	7	-0.47	5%	0
010.99	Moisture, Miscellaneous (%)	0692	2.0600	0.40000	2.2887	0.51058	0.19503	7	-0.45	5%	0
010.99	Moisture, Miscellaneous (%)	2004	2.1550	0.05000	2.2887	0.51058	0.19503	7	-0.26	3%	0
010.99	Moisture, Miscellaneous (%)	0019	2.8000	0.60000	2.2887	0.51058	0.19503	7	1.00	11%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
010.99	Moisture, Miscellaneous (%)	2105	3.2200	0.08000	2.2887	0.51058	0.19503	7	1.82	20%	0
010.99	Moisture, Miscellaneous (%)	2127	90.710	0.18000	2.2887	0.51058	0.19503	7	173.18	1932%	2
011.01	Loss on Drying, 135°C 2hr (%)	1019	1.1750	0.09000	3.2402	0.33601	0.09312	31	-6.15	32%	0
011.01	Loss on Drying, 135°C 2hr (%)	2097	2.3403	0.12100	3.2402	0.33601	0.09312	31	-2.68	14%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	2.5793	0.16980	3.2402	0.33601	0.09312	31	-1.97	10%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	2.7900	0.02000	3.2402	0.33601	0.09312	31	-1.34	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	2.8350	0.27000	3.2402	0.33601	0.09312	31	-1.21	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	2.8400	0.04000	3.2402	0.33601	0.09312	31	-1.19	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	2.9000	0.00000	3.2402	0.33601	0.09312	31	-1.01	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	3.0000	0.02000	3.2402	0.33601	0.09312	31	-0.71	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	3.0500	0.00000	3.2402	0.33601	0.09312	31	-0.57	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	3.0950	0.07000	3.2402	0.33601	0.09312	31	-0.43	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	3.1200	0.04000	3.2402	0.33601	0.09312	31	-0.36	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	3.1750	0.13000	3.2402	0.33601	0.09312	31	-0.19	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0622	3.2708	0.03450	3.2402	0.33601	0.09312	31	0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0563	3.2891	0.22340	3.2402	0.33601	0.09312	31	0.15	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	3.3000	0.00000	3.2402	0.33601	0.09312	31	0.18	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0728	3.3050	0.01000	3.2402	0.33601	0.09312	31	0.19	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	3.3100	0.00000	3.2402	0.33601	0.09312	31	0.21	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0620	3.3556	0.08050	3.2402	0.33601	0.09312	31	0.34	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	3.3600	0.02000	3.2402	0.33601	0.09312	31	0.36	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	3.4000	0.14000	3.2402	0.33601	0.09312	31	0.48	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0722	3.4204	0.04990	3.2402	0.33601	0.09312	31	0.54	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0623	3.4325	0.12700	3.2402	0.33601	0.09312	31	0.57	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	3.4400	0.12000	3.2402	0.33601	0.09312	31	0.59	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0138	3.4570	0.04800	3.2402	0.33601	0.09312	31	0.65	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	3.4700	0.06000	3.2402	0.33601	0.09312	31	0.68	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	3.4700	0.18000	3.2402	0.33601	0.09312	31	0.68	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	3.6000	0.40000	3.2402	0.33601	0.09312	31	1.07	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0152	3.6000	0.00000	3.2402	0.33601	0.09312	31	1.07	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	3.6473	0.00550	3.2402	0.33601	0.09312	31	1.21	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	3.6500	0.32000	3.2402	0.33601	0.09312	31	1.22	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	3.6545	0.09700	3.2402	0.33601	0.09312	31	1.23	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	3.0650	0.59000	3.2402	0.33601	0.09312	31	-0.52	3%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	2.8750	0.23000				1			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0681	1.6150	0.31000				1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	3.0250	0.15000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	3.0900	0.08000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	2006	1.1650	0.01000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0609	0.00000	0.00000				1			4
012.01	Starch, Megazyme (%)	0676	0.24500	0.03000	0.77570	0.54493	0.11780	5	-0.97	34%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
012.01	Starch, Megazyme (%)	0956	0.35000	0.30000	0.77570	0.54493	0.11780	5	-0.78	27%	0
012.01	Starch, Megazyme (%)	0870	0.63350	0.03900	0.77570	0.54493	0.11780	5	-0.26	9%	0
012.01	Starch, Megazyme (%)	0265	1.1000	0.00000	0.77570	0.54493	0.11780	5	0.60	21%	0
012.01	Starch, Megazyme (%)	2004	1.5500	0.22000	0.77570	0.54493	0.11780	5	1.42	50%	0
012.03	Starch, Enzymatic (%)	0297	0.83500	0.07000				1			0
012.03	Starch, Enzymatic (%)	0407	0.00000	0.00000				1			4
012.04	Starch, YSI Analyzer (%)	0278	0.10000	0.00000				2			0
012.04	Starch, YSI Analyzer (%)	0353	0.34500	0.27000				2			0
013.00	Fat, Acid hydrolysis (%)	0681	0.76500	0.01000	1.7140	0.91669	0.15443	4	-1.04	28%	0
013.00	Fat, Acid hydrolysis (%)	2004	1.1500	0.30000	1.7140	0.91669	0.15443	4	-0.62	16%	0
013.00	Fat, Acid hydrolysis (%)	0541	2.1900	0.10000	1.7140	0.91669	0.15443	4	0.52	14%	0
013.00	Fat, Acid hydrolysis (%)	0309	2.7512	0.20770	1.7140	0.91669	0.15443	4	1.13	30%	0
013.02	Fat, Mojonier, Bak Ext (%)	0874	0.24500	0.05000	2.0419	0.78872	0.07948	8	-2.28	44%	0
013.02	Fat, Mojonier, Bak Ext (%)	0171	1.1850	0.01000	2.0419	0.78872	0.07948	8	-1.09	21%	0
013.02	Fat, Mojonier, Bak Ext (%)	0676	1.8800	0.10000	2.0419	0.78872	0.07948	8	-0.21	4%	0
013.02	Fat, Mojonier, Bak Ext (%)	0870	2.0517	0.03580	2.0419	0.78872	0.07948	8	0.01	0%	0
013.02	Fat, Mojonier, Bak Ext (%)	0650	2.5000	0.04000	2.0419	0.78872	0.07948	8	0.58	11%	0
013.02	Fat, Mojonier, Bak Ext (%)	0853	2.5650	0.19000	2.0419	0.78872	0.07948	8	0.66	13%	0
013.02	Fat, Mojonier, Bak Ext (%)	2073	2.5800	0.18000	2.0419	0.78872	0.07948	8	0.68	13%	0
013.02	Fat, Mojonier, Bak Ext (%)	0957	2.7150	0.03000	2.0419	0.78872	0.07948	8	0.85	16%	0
013.02	Fat, Mojonier, Bak Ext (%)	0843	3.1700	0.86000	2.0419	0.78872	0.07948	8	1.43	28%	1
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0554	0.47000	0.04000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	1.1200	0.26000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	1.2950	0.09000				3			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	2.8500	0.30000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0011	1,458.0	20.510				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	1,510.0	0.00000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	1,595.0	10.000				3			0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	1,786.5	37.000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	1,305.0	10.000	1,438.9	99.437	28.493	5	-1.35	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	1,393.8	59.465	1,438.9	99.437	28.493	5	-0.45	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	1,433.5	19.000	1,438.9	99.437	28.493	5	-0.05	0%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	1,495.0	50.000	1,438.9	99.437	28.493	5	0.56	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	1,567.0	4.0000	1,438.9	99.437	28.493	5	1.29	4%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	7.9500	1.3000				1			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	7.7050	0.37000				2			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	10.055	0.53360				2			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	7.9500	0.30000	15.240	9.1623	0.95500	4	-0.80	24%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	8.5100	0.52000	15.240	9.1623	0.95500	4	-0.73	22%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	17.000	2.0000	15.240	9.1623	0.95500	4	0.19	6%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	27.500	1.0000	15.240	9.1623	0.95500	4	1.34	40%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	0.00000	0.00000	15.240	9.1623	0.95500	4			4
017.52	Boron, ICP-MS, Open vessel (mg / kg (ppm))	0096	7.9550	0.15400				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	17.475	0.11000	18.065	0.44220	0.27094	12	-1.33	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	17.500	1.0000	18.065	0.44220	0.27094	12	-1.28	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	17.870	0.01100	18.065	0.44220	0.27094	12	-0.44	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	17.910	0.11660	18.065	0.44220	0.27094	12	-0.35	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	17.978	0.20600	18.065	0.44220	0.27094	12	-0.20	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	18.015	0.15400	18.065	0.44220	0.27094	12	-0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2097	18.026	0.03230	18.065	0.44220	0.27094	12	-0.09	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	18.065	0.01000	18.065	0.44220	0.27094	12	0.00	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	18.188	0.02300	18.065	0.44220	0.27094	12	0.28	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	18.323	0.78390	18.065	0.44220	0.27094	12	0.58	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	18.705	0.41000	18.065	0.44220	0.27094	12	1.45	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0722	19.550	0.39450	18.065	0.44220	0.27094	12	3.36	4%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0681	5.0550	0.01000	18.065	0.44220	0.27094	12	-29.42	36%	2
019.02	Calcium, Hach Method (%)	2128	5.0605	0.00100				2			0
019.02	Calcium, Hach Method (%)	0536	17.300	0.10000				2			0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	18.642	0.04820				1			0
019.08	Calcium, EDTA (%)	0138	17.226	0.20700	18.423	1.4649	0.17057	7	-0.82	3%	0
019.08	Calcium, EDTA (%)	0885	17.469	0.10600	18.423	1.4649	0.17057	7	-0.65	3%	0
019.08	Calcium, EDTA (%)	0940	17.805	0.21000	18.423	1.4649	0.17057	7	-0.42	2%	0
019.08	Calcium, EDTA (%)	0849	17.895	0.01100	18.423	1.4649	0.17057	7	-0.36	1%	0
019.08	Calcium, EDTA (%)	0689	18.090	0.12000	18.423	1.4649	0.17057	7	-0.23	1%	0
019.08	Calcium, EDTA (%)	0629	19.860	0.24000	18.423	1.4649	0.17057	7	0.98	4%	0
019.08	Calcium, EDTA (%)	0852	23.150	0.30000	18.423	1.4649	0.17057	7	3.23	13%	0
019.09	Calcium, Ion-selective electrode (%)	2006	17.660	0.17700				1			0
019.31	Calcium, AAS, Dry ash (%)	0948	15.680	0.34000	18.097	1.1796	0.25072	25	-2.05	7%	0
019.31	Calcium, AAS, Dry ash (%)	0653	16.500	0.28000	18.097	1.1796	0.25072	25	-1.35	4%	0
019.31	Calcium, AAS, Dry ash (%)	0001	16.520	0.08000	18.097	1.1796	0.25072	25	-1.34	4%	0
019.31	Calcium, AAS, Dry ash (%)	0152	16.950	0.30000	18.097	1.1796	0.25072	25	-0.97	3%	0
019.31	Calcium, AAS, Dry ash (%)	0108	17.150	1.6200	18.097	1.1796	0.25072	25	-0.80	3%	0
019.31	Calcium, AAS, Dry ash (%)	0208	17.170	0.17300	18.097	1.1796	0.25072	25	-0.79	3%	0
019.31	Calcium, AAS, Dry ash (%)	0536	17.265	0.15000	18.097	1.1796	0.25072	25	-0.71	2%	0
019.31	Calcium, AAS, Dry ash (%)	0014	17.550	0.10000	18.097	1.1796	0.25072	25	-0.46	2%	0
019.31	Calcium, AAS, Dry ash (%)	0354	17.755	0.09000	18.097	1.1796	0.25072	25	-0.29	1%	0
019.31	Calcium, AAS, Dry ash (%)	0066	17.760	0.17000	18.097	1.1796	0.25072	25	-0.29	1%	0
019.31	Calcium, AAS, Dry ash (%)	0638	17.850	0.30000	18.097	1.1796	0.25072	25	-0.21	1%	0
019.31	Calcium, AAS, Dry ash (%)	0505	17.935	0.07000	18.097	1.1796	0.25072	25	-0.14	0%	0
019.31	Calcium, AAS, Dry ash (%)	0674	18.100	0.00000	18.097	1.1796	0.25072	25	0.00	0%	0
019.31	Calcium, AAS, Dry ash (%)	0868	18.180	0.06000	18.097	1.1796	0.25072	25	0.07	0%	0
019.31	Calcium, AAS, Dry ash (%)	0175	18.200	0.20000	18.097	1.1796	0.25072	25	0.09	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.31	Calcium, AAS, Dry ash (%)	2022	18.250	0.00000	18.097	1.1796	0.25072	25	0.13	0%	0
019.31	Calcium, AAS, Dry ash (%)	0689	18.300	0.20000	18.097	1.1796	0.25072	25	0.17	1%	0
019.31	Calcium, AAS, Dry ash (%)	0563	18.753	0.09500	18.097	1.1796	0.25072	25	0.56	2%	0
019.31	Calcium, AAS, Dry ash (%)	0939	18.915	0.31000	18.097	1.1796	0.25072	25	0.69	2%	0
019.31	Calcium, AAS, Dry ash (%)	0874	19.245	0.21000	18.097	1.1796	0.25072	25	0.97	3%	0
019.31	Calcium, AAS, Dry ash (%)	0884	19.260	0.60000	18.097	1.1796	0.25072	25	0.99	3%	0
019.31	Calcium, AAS, Dry ash (%)	0650	19.360	0.48000	18.097	1.1796	0.25072	25	1.07	3%	0
019.31	Calcium, AAS, Dry ash (%)	0529	19.405	0.05000	18.097	1.1796	0.25072	25	1.11	4%	0
019.31	Calcium, AAS, Dry ash (%)	0904	20.915	0.39000	18.097	1.1796	0.25072	25	2.39	8%	0
019.31	Calcium, AAS, Dry ash (%)	0723	21.963	0.00000	18.097	1.1796	0.25072	25	3.28	11%	0
019.31	Calcium, AAS, Dry ash (%)	0687	46.425	91.150	18.097	1.1796	0.25072	25	24.01	78%	2
019.32	Calcium, AAS, Open vessel (%)	0263	16.640	0.29450	18.311	2.0376	0.16430	5	-0.82	5%	0
019.32	Calcium, AAS, Open vessel (%)	0169	17.175	0.15000	18.311	2.0376	0.16430	5	-0.56	3%	0
019.32	Calcium, AAS, Open vessel (%)	0035	17.530	0.00000	18.311	2.0376	0.16430	5	-0.38	2%	0
019.32	Calcium, AAS, Open vessel (%)	0504	18.449	0.37700	18.311	2.0376	0.16430	5	0.07	0%	0
019.32	Calcium, AAS, Open vessel (%)	0609	21.760	0.00000	18.311	2.0376	0.16430	5	1.69	9%	0
019.33	Calcium, AAS, Microwave (%)	0504	18.050	0.10000				1			0
019.41	Calcium, ICP, Dry ash (%)	0720	14.930	0.56000	17.986	0.89001	0.57694	23	-3.43	8%	0
019.41	Calcium, ICP, Dry ash (%)	0049	16.450	0.52000	17.986	0.89001	0.57694	23	-1.73	4%	0
019.41	Calcium, ICP, Dry ash (%)	0144	16.950	0.50000	17.986	0.89001	0.57694	23	-1.16	3%	0
019.41	Calcium, ICP, Dry ash (%)	0083	16.965	0.31000	17.986	0.89001	0.57694	23	-1.15	3%	0
019.41	Calcium, ICP, Dry ash (%)	0407	17.125	1.0789	17.986	0.89001	0.57694	23	-0.97	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	17.130	0.50000	17.986	0.89001	0.57694	23	-0.96	2%	0
019.41	Calcium, ICP, Dry ash (%)	0910	17.505	1.1900	17.986	0.89001	0.57694	23	-0.54	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	17.706	0.22050	17.986	0.89001	0.57694	23	-0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	0229	17.870	0.80000	17.986	0.89001	0.57694	23	-0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	0019	17.950	0.14000	17.986	0.89001	0.57694	23	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0413	17.950	0.50000	17.986	0.89001	0.57694	23	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	17.950	0.20000	17.986	0.89001	0.57694	23	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0148	17.990	0.14000	17.986	0.89001	0.57694	23	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	0358	18.395	0.97000	17.986	0.89001	0.57694	23	0.46	1%	0
019.41	Calcium, ICP, Dry ash (%)	0848	18.515	0.27000	17.986	0.89001	0.57694	23	0.59	1%	0
019.41	Calcium, ICP, Dry ash (%)	0619	18.550	0.30000	17.986	0.89001	0.57694	23	0.63	2%	0
019.41	Calcium, ICP, Dry ash (%)	0011	18.579	0.06020	17.986	0.89001	0.57694	23	0.67	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	18.605	0.61000	17.986	0.89001	0.57694	23	0.70	2%	0
019.41	Calcium, ICP, Dry ash (%)	0511	18.640	1.6000	17.986	0.89001	0.57694	23	0.73	2%	0
019.41	Calcium, ICP, Dry ash (%)	0074	18.865	0.37000	17.986	0.89001	0.57694	23	0.99	2%	0
019.41	Calcium, ICP, Dry ash (%)	0598	18.990	0.06000	17.986	0.89001	0.57694	23	1.13	3%	0
019.41	Calcium, ICP, Dry ash (%)	0004	19.050	1.7200	17.986	0.89001	0.57694	23	1.20	3%	0
019.41	Calcium, ICP, Dry ash (%)	0610	19.095	0.65000	17.986	0.89001	0.57694	23	1.25	3%	0
019.42	Calcium, ICP, Open vessel (%)	0037	15.245	0.17000	17.922	1.6252	0.36488	22	-1.65	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.42	Calcium, ICP, Open vessel (%)	2129	15.615	0.37000	17.922	1.6252	0.36488	22	-1.42	6%	0
019.42	Calcium, ICP, Open vessel (%)	0870	15.820	0.96000	17.922	1.6252	0.36488	22	-1.29	6%	0
019.42	Calcium, ICP, Open vessel (%)	2012	16.450	0.48000	17.922	1.6252	0.36488	22	-0.91	4%	0
019.42	Calcium, ICP, Open vessel (%)	0357	16.515	0.11000	17.922	1.6252	0.36488	22	-0.87	4%	0
019.42	Calcium, ICP, Open vessel (%)	0693	16.957	0.10940	17.922	1.6252	0.36488	22	-0.59	3%	0
019.42	Calcium, ICP, Open vessel (%)	0042	17.300	1.2000	17.922	1.6252	0.36488	22	-0.38	2%	0
019.42	Calcium, ICP, Open vessel (%)	0035	17.525	0.37000	17.922	1.6252	0.36488	22	-0.24	1%	0
019.42	Calcium, ICP, Open vessel (%)	0187	17.590	0.14000	17.922	1.6252	0.36488	22	-0.20	1%	0
019.42	Calcium, ICP, Open vessel (%)	0205	17.600	0.60000	17.922	1.6252	0.36488	22	-0.20	1%	0
019.42	Calcium, ICP, Open vessel (%)	0560	17.677	0.26800	17.922	1.6252	0.36488	22	-0.15	1%	0
019.42	Calcium, ICP, Open vessel (%)	0265	17.825	0.03000	17.922	1.6252	0.36488	22	-0.06	0%	0
019.42	Calcium, ICP, Open vessel (%)	0202	18.000	0.12000	17.922	1.6252	0.36488	22	0.05	0%	0
019.42	Calcium, ICP, Open vessel (%)	0504	18.430	0.20000	17.922	1.6252	0.36488	22	0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0045	18.650	0.10000	17.922	1.6252	0.36488	22	0.45	2%	0
019.42	Calcium, ICP, Open vessel (%)	0278	18.725	0.21000	17.922	1.6252	0.36488	22	0.49	2%	0
019.42	Calcium, ICP, Open vessel (%)	0366	18.800	0.20000	17.922	1.6252	0.36488	22	0.54	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	19.400	1.2000	17.922	1.6252	0.36488	22	0.91	4%	0
019.42	Calcium, ICP, Open vessel (%)	0726	19.745	0.01000	17.922	1.6252	0.36488	22	1.12	5%	0
019.42	Calcium, ICP, Open vessel (%)	0294	19.805	0.09000	17.922	1.6252	0.36488	22	1.16	5%	0
019.42	Calcium, ICP, Open vessel (%)	0190	20.005	0.09000	17.922	1.6252	0.36488	22	1.28	6%	0
019.42	Calcium, ICP, Open vessel (%)	0613	21.900	1.0000	17.922	1.6252	0.36488	22	2.45	11%	0
019.42	Calcium, ICP, Open vessel (%)	2053	16.650	2.7000	17.922	1.6252	0.36488	22	-0.78	4%	1
019.42	Calcium, ICP, Open vessel (%)	0026	0.61000	0.02000	17.922	1.6252	0.36488	22	-10.65	48%	2
019.43	Calcium, ICP, Microwave (%)	0297	15.640	0.54000	17.764	0.72238	0.19197	20	-2.94	6%	0
019.43	Calcium, ICP, Microwave (%)	0098	15.845	0.47000	17.764	0.72238	0.19197	20	-2.66	5%	0
019.43	Calcium, ICP, Microwave (%)	0043	16.150	0.04000	17.764	0.72238	0.19197	20	-2.23	5%	0
019.43	Calcium, ICP, Microwave (%)	0918	17.310	0.10700	17.764	0.72238	0.19197	20	-0.63	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	17.412	0.20510	17.764	0.72238	0.19197	20	-0.49	1%	0
019.43	Calcium, ICP, Microwave (%)	0018	17.460	0.24000	17.764	0.72238	0.19197	20	-0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0034	17.503	0.22140	17.764	0.72238	0.19197	20	-0.36	1%	0
019.43	Calcium, ICP, Microwave (%)	0668	17.550	0.10000	17.764	0.72238	0.19197	20	-0.30	1%	0
019.43	Calcium, ICP, Microwave (%)	0036	17.572	0.51190	17.764	0.72238	0.19197	20	-0.27	1%	0
019.43	Calcium, ICP, Microwave (%)	0675	17.595	0.13000	17.764	0.72238	0.19197	20	-0.23	0%	0
019.43	Calcium, ICP, Microwave (%)	0345	17.915	0.09000	17.764	0.72238	0.19197	20	0.21	0%	0
019.43	Calcium, ICP, Microwave (%)	0968	18.085	0.03400	17.764	0.72238	0.19197	20	0.44	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	18.115	0.01000	17.764	0.72238	0.19197	20	0.49	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	18.155	0.03000	17.764	0.72238	0.19197	20	0.54	1%	0
019.43	Calcium, ICP, Microwave (%)	0425	18.190	0.08000	17.764	0.72238	0.19197	20	0.59	1%	0
019.43	Calcium, ICP, Microwave (%)	2143	18.191	0.29000	17.764	0.72238	0.19197	20	0.59	1%	0
019.43	Calcium, ICP, Microwave (%)	0006	18.200	0.46000	17.764	0.72238	0.19197	20	0.60	1%	0
019.43	Calcium, ICP, Microwave (%)	0353	18.295	0.03000	17.764	0.72238	0.19197	20	0.73	1%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.43	Calcium, ICP, Microwave (%)	0033	19.250	0.10000	17.764	0.72238	0.19197	20	2.06	4%	0
019.43	Calcium, ICP, Microwave (%)	0629	19.325	0.15000	17.764	0.72238	0.19197	20	2.16	4%	0
019.44	Calcium, ICP, Dry ash (%)	2004	17.750	0.10000				2			0
019.44	Calcium, ICP, Dry ash (%)	0955	18.400	0.00000				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	15.350	0.58000				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	16.834	0.85020				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0096	17.544	0.93330				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0300	17.110	0.64600				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	18.050	1.3000				2			0
019.99	Calcium, Miscellaneous (%)	2105	1.3800	0.20000	17.854	2.7349	0.23857	7	-6.02	46%	0
019.99	Calcium, Miscellaneous (%)	0676	15.665	0.03000	17.854	2.7349	0.23857	7	-0.80	6%	0
019.99	Calcium, Miscellaneous (%)	0242	17.905	0.11000	17.854	2.7349	0.23857	7	0.02	0%	0
019.99	Calcium, Miscellaneous (%)	0164	18.345	0.17000	17.854	2.7349	0.23857	7	0.18	1%	0
019.99	Calcium, Miscellaneous (%)	0100	19.185	0.35000	17.854	2.7349	0.23857	7	0.49	4%	0
019.99	Calcium, Miscellaneous (%)	0010	19.195	0.79000	17.854	2.7349	0.23857	7	0.49	4%	0
019.99	Calcium, Miscellaneous (%)	0889	20.930	0.02000	17.854	2.7349	0.23857	7	1.12	9%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	19.100	2.4000	26.740	9.4514	2.0767	6	-0.81	14%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0904	19.315	2.0500	26.740	9.4514	2.0767	6	-0.79	14%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0175	22.500	5.0000	26.740	9.4514	2.0767	6	-0.45	8%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	25.750	2.7000	26.740	9.4514	2.0767	6	-0.10	2%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	34.775	0.31000	26.740	9.4514	2.0767	6	0.85	15%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2022	39.000	0.00000	26.740	9.4514	2.0767	6	1.30	23%	0
021.34	Cobalt, AAS, Graphite furnace (mg / kg (ppm))	0610	25.500	1.0000				1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	6.8500	0.24000	16.418	6.8425	0.14375	4	-1.40	29%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	16.600	0.00000	16.418	6.8425	0.14375	4	0.03	1%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0848	19.560	0.10000	16.418	6.8425	0.14375	4	0.46	10%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	22.664	0.23500	16.418	6.8425	0.14375	4	0.91	19%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2012	2.0500	0.00000	22.065	0.93076	1.7353	4	-21.50	45%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	21.407	1.0492	22.065	0.93076	1.7353	4	-0.71	1%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	22.723	0.09200	22.065	0.93076	1.7353	4	0.71	1%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0366	24.100	5.8000	22.065	0.93076	1.7353	4	2.19	5%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0675	17.095	0.51000	23.309	3.6233	0.79732	5	-1.71	13%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0043	23.300	0.60000	23.309	3.6233	0.79732	5	0.00	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	24.610	0.04000	23.309	3.6233	0.79732	5	0.36	3%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	25.550	0.70000	23.309	3.6233	0.79732	5	0.62	5%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	25.989	2.1366	23.309	3.6233	0.79732	5	0.74	6%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0096	23.607	0.72350				1			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	20.300	1.3400				2			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	26.337	1.5330				2			0
021.99	Cobalt, Miscellaneous (mg / kg (ppm))	0590	34.450	0.10000				1			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0884	1,074.5	75.900	1,290.3	68.726	26.446	21	-3.14	8%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	1,080.0	0.00000	1,290.3	68.726	26.446	21	-3.06	8%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0596	1,207.7	15.800	1,290.3	68.726	26.446	21	-1.20	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0563	1,226.7	5.3000	1,290.3	68.726	26.446	21	-0.93	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0868	1,239.0	4.0000	1,290.3	68.726	26.446	21	-0.75	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2068	1,247.9	15.156	1,290.3	68.726	26.446	21	-0.62	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0653	1,260.5	17.000	1,290.3	68.726	26.446	21	-0.43	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	1,269.5	11.000	1,290.3	68.726	26.446	21	-0.30	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	1,279.3	5.4900	1,290.3	68.726	26.446	21	-0.16	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0723	1,288.0	0.00000	1,290.3	68.726	26.446	21	-0.03	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0505	1,290.0	20.000	1,290.3	68.726	26.446	21	0.00	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2022	1,294.5	7.0000	1,290.3	68.726	26.446	21	0.06	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	1,312.0	46.400	1,290.3	68.726	26.446	21	0.32	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	1,320.0	12.000	1,290.3	68.726	26.446	21	0.43	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	1,325.0	0.00000	1,290.3	68.726	26.446	21	0.50	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	1,330.0	80.000	1,290.3	68.726	26.446	21	0.58	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0014	1,333.5	31.000	1,290.3	68.726	26.446	21	0.63	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	1,350.0	100.00	1,290.3	68.726	26.446	21	0.87	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0904	1,373.4	23.730	1,290.3	68.726	26.446	21	1.21	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0066	1,381.7	29.580	1,290.3	68.726	26.446	21	1.33	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0638	1,420.0	56.000	1,290.3	68.726	26.446	21	1.89	5%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	2128	1,187.2	19.538	1,306.7	90.217	33.135	4	-1.32	5%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0035	1,287.5	25.000	1,306.7	90.217	33.135	4	-0.21	1%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	1,367.0	52.000	1,306.7	90.217	33.135	4	0.67	2%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	1,385.0	36.000	1,306.7	90.217	33.135	4	0.87	3%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	1,310.4	24.955				2			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0504	1,399.0	24.000				2			0
022.35	Copper, AAS, Dry ash (mg / kg (ppm))	0674	1,250.5	0.00000				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	1,080.0	34.000	1,235.6	102.89	22.826	22	-1.51	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	1,098.3	91.530	1,235.6	102.89	22.826	22	-1.33	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	1,105.4	72.147	1,235.6	102.89	22.826	22	-1.27	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0083	1,132.0	6.0000	1,235.6	102.89	22.826	22	-1.01	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0848	1,143.7	0.50000	1,235.6	102.89	22.826	22	-0.89	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	1,147.0	4.0000	1,235.6	102.89	22.826	22	-0.86	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	1,160.0	12.000	1,235.6	102.89	22.826	22	-0.73	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	1,193.9	6.4700	1,235.6	102.89	22.826	22	-0.41	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	1,200.0	16.000	1,235.6	102.89	22.826	22	-0.35	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	1,237.5	33.000	1,235.6	102.89	22.826	22	0.02	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	1,264.5	27.000	1,235.6	102.89	22.826	22	0.28	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	1,265.5	23.000	1,235.6	102.89	22.826	22	0.29	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0004	1,275.5	35.000	1,235.6	102.89	22.826	22	0.39	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	1,276.5	3.0000	1,235.6	102.89	22.826	22	0.40	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	1,277.0	0.00000	1,235.6	102.89	22.826	22	0.40	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0610	1,304.0	16.000	1,235.6	102.89	22.826	22	0.66	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	1,307.6	6.5200	1,235.6	102.89	22.826	22	0.70	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	1,310.0	20.000	1,235.6	102.89	22.826	22	0.72	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	1,313.5	9.0000	1,235.6	102.89	22.826	22	0.76	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	1,350.5	27.000	1,235.6	102.89	22.826	22	1.12	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	1,370.0	14.000	1,235.6	102.89	22.826	22	1.31	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0955	1,370.0	46.000	1,235.6	102.89	22.826	22	1.31	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	1,305.0	146.00	1,235.6	102.89	22.826	22	0.67	3%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	846.70	7.2100	1,284.9	122.03	26.627	22	-3.59	17%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	1,156.2	46.300	1,284.9	122.03	26.627	22	-1.05	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	1,160.6	25.950	1,284.9	122.03	26.627	22	-1.02	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	1,172.0	4.0000	1,284.9	122.03	26.627	22	-0.92	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	1,177.0	8.0000	1,284.9	122.03	26.627	22	-0.88	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	1,194.0	26.000	1,284.9	122.03	26.627	22	-0.74	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	1,215.0	50.000	1,284.9	122.03	26.627	22	-0.57	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	1,220.0	20.000	1,284.9	122.03	26.627	22	-0.53	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	1,241.5	7.0000	1,284.9	122.03	26.627	22	-0.36	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	1,249.5	43.000	1,284.9	122.03	26.627	22	-0.29	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	1,254.5	3.0000	1,284.9	122.03	26.627	22	-0.25	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	1,260.1	39.233	1,284.9	122.03	26.627	22	-0.20	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	1,284.0	8.0000	1,284.9	122.03	26.627	22	-0.01	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	1,325.0	10.000	1,284.9	122.03	26.627	22	0.33	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	1,362.3	13.730	1,284.9	122.03	26.627	22	0.63	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	1,367.5	53.000	1,284.9	122.03	26.627	22	0.68	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	1,371.0	34.000	1,284.9	122.03	26.627	22	0.71	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	1,399.2	0.62000	1,284.9	122.03	26.627	22	0.94	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	1,417.0	28.000	1,284.9	122.03	26.627	22	1.08	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2012	1,433.5	21.490	1,284.9	122.03	26.627	22	1.22	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	1,437.5	0.25000	1,284.9	122.03	26.627	22	1.25	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	1,724.5	137.00	1,284.9	122.03	26.627	22	3.60	17%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	1,244.5	217.00	1,284.9	122.03	26.627	22	-0.33	2%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0043	925.50	9.0000	1,270.8	102.43	21.345	20	-3.37	14%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0032	1,039.1	47.021	1,270.8	102.43	21.345	20	-2.26	9%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	1,172.0	24.000	1,270.8	102.43	21.345	20	-0.96	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	1,185.0	10.000	1,270.8	102.43	21.345	20	-0.84	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	1,210.0	0.00000	1,270.8	102.43	21.345	20	-0.59	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0668	1,210.0	20.000	1,270.8	102.43	21.345	20	-0.59	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0034	1,231.2	40.100	1,270.8	102.43	21.345	20	-0.39	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	1,241.0	41.520	1,270.8	102.43	21.345	20	-0.29	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	1,245.0	10.000	1,270.8	102.43	21.345	20	-0.25	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	1,246.0	34.000	1,270.8	102.43	21.345	20	-0.24	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	1,247.5	15.000	1,270.8	102.43	21.345	20	-0.23	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	1,264.4	12.410	1,270.8	102.43	21.345	20	-0.06	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0028	1,331.0	16.000	1,270.8	102.43	21.345	20	0.59	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	1,345.0	22.000	1,270.8	102.43	21.345	20	0.72	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	1,350.0	0.00000	1,270.8	102.43	21.345	20	0.77	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	1,353.4	30.800	1,270.8	102.43	21.345	20	0.81	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	1,360.0	58.000	1,270.8	102.43	21.345	20	0.87	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	1,375.5	1.0000	1,270.8	102.43	21.345	20	1.02	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0018	1,390.0	0.00000	1,270.8	102.43	21.345	20	1.16	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	1,511.4	36.050	1,270.8	102.43	21.345	20	2.35	9%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	1,264.1	15.800				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	1,201.9	43.200				2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0096	1,252.1	91.714				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0300	1,195.3	66.530				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	1,255.0	30.000				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	1,279.0	16.000	1,333.8	65.680	33.200	5	-0.83	2%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	1,284.5	49.000	1,333.8	65.680	33.200	5	-0.75	2%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	1,315.0	0.00000	1,333.8	65.680	33.200	5	-0.29	1%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0010	1,351.0	44.000	1,333.8	65.680	33.200	5	0.26	1%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2129	1,439.5	57.000	1,333.8	65.680	33.200	5	1.61	4%	0
023.01	Fluorine, Ion Sel Elect (mg / kg (ppm))	0910	244.40	8.4000				1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0171	33.800	1.4000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0536	2,495.0	0.01000	5,821.3	735.89	74.374	16	-7.91	50%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0563	4,972.3	87.298	5,821.3	735.89	74.374	16	-1.15	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0629	5,006.5	113.00	5,821.3	735.89	74.374	16	-1.11	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	5,200.0	200.00	5,821.3	735.89	74.374	16	-0.84	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0723	5,520.0	0.00000	5,821.3	735.89	74.374	16	-0.41	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2068	5,674.8	42.171	5,821.3	735.89	74.374	16	-0.20	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	5,725.0	50.000	5,821.3	735.89	74.374	16	-0.13	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	5,780.0	80.000	5,821.3	735.89	74.374	16	-0.06	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	5,905.0	30.000	5,821.3	735.89	74.374	16	0.11	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	5,962.5	75.000	5,821.3	735.89	74.374	16	0.19	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0868	6,012.0	0.00000	5,821.3	735.89	74.374	16	0.26	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	6,069.8	13.990	5,821.3	735.89	74.374	16	0.34	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	6,183.5	103.00	5,821.3	735.89	74.374	16	0.49	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0066	6,622.5	152.70	5,821.3	735.89	74.374	16	1.09	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0884	6,864.2	143.20	5,821.3	735.89	74.374	16	1.42	9%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0904	6,999.7	99.610	5,821.3	735.89	74.374	16	1.60	10%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	3,097.0	10.000	5,169.3	1,533.9	142.80	4	-1.35	20%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	2128	4,920.8	22.200	5,169.3	1,533.9	142.80	4	-0.16	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	6,261.5	209.00	5,169.3	1,533.9	142.80	4	0.71	11%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0035	6,398.0	330.00	5,169.3	1,533.9	142.80	4	0.80	12%	0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	5,195.3	173.74				2			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0504	6,094.5	375.00				2			0
025.34	Iron, AAS, Dry ash (mg / kg (ppm))	0674	7,855.6	0.00000				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	4,262.7	666.48	5,598.4	455.75	156.87	22	-2.93	12%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	4,550.0	90.000	5,598.4	455.75	156.87	22	-2.30	9%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0083	4,779.5	77.000	5,598.4	455.75	156.87	22	-1.80	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0848	4,949.8	70.540	5,598.4	455.75	156.87	22	-1.42	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0610	5,223.0	46.000	5,598.4	455.75	156.87	22	-0.82	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	5,285.0	468.00	5,598.4	455.75	156.87	22	-0.69	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	5,405.0	138.98	5,598.4	455.75	156.87	22	-0.42	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	5,605.5	11.000	5,598.4	455.75	156.87	22	0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	5,610.7	237.04	5,598.4	455.75	156.87	22	0.03	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	5,634.0	168.00	5,598.4	455.75	156.87	22	0.08	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	5,665.0	30.000	5,598.4	455.75	156.87	22	0.15	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	5,767.0	4.0000	5,598.4	455.75	156.87	22	0.37	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	5,770.0	80.000	5,598.4	455.75	156.87	22	0.38	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	5,790.0	50.000	5,598.4	455.75	156.87	22	0.42	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	5,792.5	19.000	5,598.4	455.75	156.87	22	0.43	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	5,827.0	222.00	5,598.4	455.75	156.87	22	0.50	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	5,856.5	17.000	5,598.4	455.75	156.87	22	0.57	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	5,938.5	505.00	5,598.4	455.75	156.87	22	0.75	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	5,998.5	249.00	5,598.4	455.75	156.87	22	0.88	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	6,066.0	56.000	5,598.4	455.75	156.87	22	1.03	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	6,094.0	202.00	5,598.4	455.75	156.87	22	1.09	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	6,142.0	44.000	5,598.4	455.75	156.87	22	1.19	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	4,527.5	29.000	5,532.7	422.28	91.904	17	-2.38	9%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	5,031.0	156.00	5,532.7	422.28	91.904	17	-1.19	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	5,106.0	226.00	5,532.7	422.28	91.904	17	-1.01	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	5,217.2	86.172	5,532.7	422.28	91.904	17	-0.75	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	5,250.0	160.00	5,532.7	422.28	91.904	17	-0.67	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	5,280.0	14.000	5,532.7	422.28	91.904	17	-0.60	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	5,298.5	5.0000	5,532.7	422.28	91.904	17	-0.55	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	5,420.0	80.000	5,532.7	422.28	91.904	17	-0.27	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	5,526.0	236.00	5,532.7	422.28	91.904	17	-0.02	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	5,696.6	3.5300	5,532.7	422.28	91.904	17	0.39	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	5,752.5	169.00	5,532.7	422.28	91.904	17	0.52	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2012	5,811.0	23.050	5,532.7	422.28	91.904	17	0.66	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	5,862.5	139.00	5,532.7	422.28	91.904	17	0.78	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	5,895.7	10.620	5,532.7	422.28	91.904	17	0.86	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	5,940.0	120.00	5,532.7	422.28	91.904	17	0.96	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	5,965.5	53.000	5,532.7	422.28	91.904	17	1.02	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	6,104.0	52.000	5,532.7	422.28	91.904	17	1.35	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	5,697.5	935.00	5,532.7	422.28	91.904	17	0.39	1%	1
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0006	582.50	3.0000	5,432.3	533.97	148.24	17	-9.08	45%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	3,901.5	91.000	5,432.3	533.97	148.24	17	-2.87	14%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0043	4,599.0	38.000	5,432.3	533.97	148.24	17	-1.56	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	5,220.0	120.00	5,432.3	533.97	148.24	17	-0.40	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	5,224.0	240.00	5,432.3	533.97	148.24	17	-0.39	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	5,335.0	50.000	5,432.3	533.97	148.24	17	-0.18	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	5,415.0	10.000	5,432.3	533.97	148.24	17	-0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	5,447.9	80.700	5,432.3	533.97	148.24	17	0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	5,478.5	31.000	5,432.3	533.97	148.24	17	0.09	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	5,507.8	311.59	5,432.3	533.97	148.24	17	0.14	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	5,559.3	88.330	5,432.3	533.97	148.24	17	0.24	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0668	5,575.0	310.00	5,432.3	533.97	148.24	17	0.27	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	5,707.5	371.00	5,432.3	533.97	148.24	17	0.52	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	5,742.5	412.85	5,432.3	533.97	148.24	17	0.58	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	5,929.5	15.000	5,432.3	533.97	148.24	17	0.93	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	6,080.0	0.00000	5,432.3	533.97	148.24	17	1.21	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	6,571.2	347.65	5,432.3	533.97	148.24	17	2.13	10%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	4,778.1	327.23				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0096	5,655.9	217.29				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	5,206.5	85.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	6,032.5	41.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0590	6,396.0	28.000				3			0
027.31	Magnesium, AAS, Dry ash (%)	0596	0.88500	0.01000	1.2338	0.09104	0.03352	21	-3.83	14%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	1.0950	0.01000	1.2338	0.09104	0.03352	21	-1.53	6%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	1.1095	0.05100	1.2338	0.09104	0.03352	21	-1.37	5%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	1.1550	0.01000	1.2338	0.09104	0.03352	21	-0.87	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	1.1600	0.06400	1.2338	0.09104	0.03352	21	-0.81	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	1.1850	0.07000	1.2338	0.09104	0.03352	21	-0.54	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	1.1900	0.00000	1.2338	0.09104	0.03352	21	-0.48	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0653	1.2155	0.00100	1.2338	0.09104	0.03352	21	-0.20	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0638	1.2300	0.00000	1.2338	0.09104	0.03352	21	-0.04	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	1.2400	0.06000	1.2338	0.09104	0.03352	21	0.07	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0904	1.2400	0.06000	1.2338	0.09104	0.03352	21	0.07	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	1.2415	0.03300	1.2338	0.09104	0.03352	21	0.08	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	1.2550	0.05000	1.2338	0.09104	0.03352	21	0.23	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	1.2700	0.08000	1.2338	0.09104	0.03352	21	0.40	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0884	1.2800	0.04000	1.2338	0.09104	0.03352	21	0.51	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.31	Magnesium, AAS, Dry ash (%)	0874	1.2918	0.01010	1.2338	0.09104	0.03352	21	0.64	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	1.2926	0.01480	1.2338	0.09104	0.03352	21	0.65	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0505	1.3000	0.04000	1.2338	0.09104	0.03352	21	0.73	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0066	1.3200	0.06000	1.2338	0.09104	0.03352	21	0.95	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	1.3700	0.00000	1.2338	0.09104	0.03352	21	1.50	6%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	1.4800	0.04000	1.2338	0.09104	0.03352	21	2.70	10%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	4.7750	0.61000	1.2338	0.09104	0.03352	21	38.90	144%	2
027.32	Magnesium, AAS, Open vessel (%)	0263	1.1825	0.00290	1.2471	0.07251	0.02946	5	-0.89	3%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	1.1850	0.03000	1.2471	0.07251	0.02946	5	-0.86	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0035	1.2450	0.01000	1.2471	0.07251	0.02946	5	-0.03	0%	0
027.32	Magnesium, AAS, Open vessel (%)	0504	1.2628	0.02440	1.2471	0.07251	0.02946	5	0.22	1%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	1.3600	0.08000	1.2471	0.07251	0.02946	5	1.56	5%	0
027.33	Magnesium, AAS, Microwave (%)	0504	1.2320	0.05400				1			0
027.41	Magnesium, ICP, Dry ash (%)	0083	1.0600	0.00000	1.2058	0.07800	0.02224	22	-1.87	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	1.0725	0.08050	1.2058	0.07800	0.02224	22	-1.71	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0720	1.1050	0.01000	1.2058	0.07800	0.02224	22	-1.29	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	1.1200	0.02000	1.2058	0.07800	0.02224	22	-1.10	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	1.1250	0.03000	1.2058	0.07800	0.02224	22	-1.04	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	1.1600	0.06000	1.2058	0.07800	0.02224	22	-0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	1.1750	0.01000	1.2058	0.07800	0.02224	22	-0.39	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	1.1945	0.00500	1.2058	0.07800	0.02224	22	-0.14	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	1.2000	0.04000	1.2058	0.07800	0.02224	22	-0.07	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	1.2150	0.05000	1.2058	0.07800	0.02224	22	0.12	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	1.2197	0.01090	1.2058	0.07800	0.02224	22	0.18	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	1.2200	0.04000	1.2058	0.07800	0.02224	22	0.18	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	1.2250	0.03000	1.2058	0.07800	0.02224	22	0.25	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	1.2280	0.00200	1.2058	0.07800	0.02224	22	0.29	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	1.2316	0.00180	1.2058	0.07800	0.02224	22	0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	1.2350	0.03000	1.2058	0.07800	0.02224	22	0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	1.2350	0.01000	1.2058	0.07800	0.02224	22	0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	1.2500	0.04000	1.2058	0.07800	0.02224	22	0.57	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	1.2750	0.01000	1.2058	0.07800	0.02224	22	0.89	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	1.2925	0.00900	1.2058	0.07800	0.02224	22	1.11	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	1.3200	0.00000	1.2058	0.07800	0.02224	22	1.46	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0848	1.3700	0.00000	1.2058	0.07800	0.02224	22	2.11	7%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	1.3150	0.13000	1.2058	0.07800	0.02224	22	1.40	5%	1
027.42	Magnesium, ICP, Open vessel (%)	0685	0.75500	0.01000	1.2297	0.12698	0.02746	22	-3.74	19%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.93000	0.14000	1.2297	0.12698	0.02746	22	-2.36	12%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	1.1000	0.02000	1.2297	0.12698	0.02746	22	-1.02	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	1.1300	0.06000	1.2297	0.12698	0.02746	22	-0.79	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	1.1330	0.03600	1.2297	0.12698	0.02746	22	-0.76	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.42	Magnesium, ICP, Open vessel (%)	0357	1.1500	0.04000	1.2297	0.12698	0.02746	22	-0.63	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	1.1730	0.00510	1.2297	0.12698	0.02746	22	-0.45	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	1.1750	0.03000	1.2297	0.12698	0.02746	22	-0.43	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	1.1750	0.01000	1.2297	0.12698	0.02746	22	-0.43	2%	0
027.42	Magnesium, ICP, Open vessel (%)	2012	1.1750	0.03000	1.2297	0.12698	0.02746	22	-0.43	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	1.2400	0.00000	1.2297	0.12698	0.02746	22	0.08	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	1.2500	0.02000	1.2297	0.12698	0.02746	22	0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	1.2600	0.00000	1.2297	0.12698	0.02746	22	0.24	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	1.2650	0.03000	1.2297	0.12698	0.02746	22	0.28	1%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	1.2650	0.03000	1.2297	0.12698	0.02746	22	0.28	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	1.2685	0.01900	1.2297	0.12698	0.02746	22	0.31	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	1.2900	0.00000	1.2297	0.12698	0.02746	22	0.47	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	1.3350	0.01000	1.2297	0.12698	0.02746	22	0.83	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	1.3500	0.02000	1.2297	0.12698	0.02746	22	0.95	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	1.4000	0.02000	1.2297	0.12698	0.02746	22	1.34	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0613	1.4450	0.07000	1.2297	0.12698	0.02746	22	1.70	9%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	1.4580	0.00400	1.2297	0.12698	0.02746	22	1.80	9%	0
027.42	Magnesium, ICP, Open vessel (%)	2053	1.1100	0.18000	1.2297	0.12698	0.02746	22	-0.94	5%	1
027.43	Magnesium, ICP, Microwave (%)	0297	1.1200	0.00000	1.2124	0.07164	0.02926	18	-1.29	4%	0
027.43	Magnesium, ICP, Microwave (%)	0510	1.1300	0.00000	1.2124	0.07164	0.02926	18	-1.15	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	1.1355	0.11700	1.2124	0.07164	0.02926	18	-1.07	3%	0
027.43	Magnesium, ICP, Microwave (%)	0043	1.1550	0.01000	1.2124	0.07164	0.02926	18	-0.80	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	1.1600	0.04000	1.2124	0.07164	0.02926	18	-0.73	2%	0
027.43	Magnesium, ICP, Microwave (%)	0675	1.1600	0.02000	1.2124	0.07164	0.02926	18	-0.73	2%	0
027.43	Magnesium, ICP, Microwave (%)	2143	1.1750	0.00800	1.2124	0.07164	0.02926	18	-0.52	2%	0
027.43	Magnesium, ICP, Microwave (%)	0345	1.1900	0.01000	1.2124	0.07164	0.02926	18	-0.31	1%	0
027.43	Magnesium, ICP, Microwave (%)	0034	1.1943	0.08670	1.2124	0.07164	0.02926	18	-0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	0353	1.2350	0.01000	1.2124	0.07164	0.02926	18	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	0668	1.2350	0.07000	1.2124	0.07164	0.02926	18	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	0006	1.2415	0.03300	1.2124	0.07164	0.02926	18	0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	0018	1.2450	0.01000	1.2124	0.07164	0.02926	18	0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	0629	1.2600	0.00000	1.2124	0.07164	0.02926	18	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0968	1.2675	0.00300	1.2124	0.07164	0.02926	18	0.77	2%	0
027.43	Magnesium, ICP, Microwave (%)	0033	1.2850	0.03000	1.2124	0.07164	0.02926	18	1.01	3%	0
027.43	Magnesium, ICP, Microwave (%)	2089	1.3150	0.07000	1.2124	0.07164	0.02926	18	1.43	4%	0
027.43	Magnesium, ICP, Microwave (%)	0964	1.4557	0.00890	1.2124	0.07164	0.02926	18	3.40	10%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	1.2150	0.01000				2			0
027.44	Magnesium, ICP, Dry ash (%)	0955	1.4450	0.15000				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	1.1500	0.02000				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0096	1.2054	0.08100				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	1.2068	0.08680				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027.53	Magnesium, ICP-MS, Microwave (%)	0300	1.2570	0.10800				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	1.3000	0.04000				2			0
027.99	Magnesium, Miscellaneous (%)	0889	1.0650	0.01000	1.2238	0.12796	0.01750	4	-1.24	6%	0
027.99	Magnesium, Miscellaneous (%)	0242	1.2050	0.01000	1.2238	0.12796	0.01750	4	-0.15	1%	0
027.99	Magnesium, Miscellaneous (%)	0010	1.2500	0.02000	1.2238	0.12796	0.01750	4	0.21	1%	0
027.99	Magnesium, Miscellaneous (%)	0100	1.3750	0.03000	1.2238	0.12796	0.01750	4	1.18	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0563	0.17860	0.00540	1,830.3	187.30	28.888	17	-9.77	50%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	1.0900	0.16000	1,830.3	187.30	28.888	17	-9.77	50%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	1,157.9	16.700	1,830.3	187.30	28.888	17	-3.59	18%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	1,750.0	100.00	1,830.3	187.30	28.888	17	-0.43	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0638	1,775.0	30.000	1,830.3	187.30	28.888	17	-0.30	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2068	1,792.7	1.1190	1,830.3	187.30	28.888	17	-0.20	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0723	1,795.0	0.00000	1,830.3	187.30	28.888	17	-0.19	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	1,798.1	8.1300	1,830.3	187.30	28.888	17	-0.17	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0868	1,874.0	6.0000	1,830.3	187.30	28.888	17	0.23	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	1,879.0	9.6900	1,830.3	187.30	28.888	17	0.26	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0884	1,894.5	77.900	1,830.3	187.30	28.888	17	0.34	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	1,905.0	30.000	1,830.3	187.30	28.888	17	0.40	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2022	1,920.5	47.000	1,830.3	187.30	28.888	17	0.48	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0629	1,942.5	25.000	1,830.3	187.30	28.888	17	0.60	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0505	1,965.0	50.000	1,830.3	187.30	28.888	17	0.72	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0066	2,064.1	78.190	1,830.3	187.30	28.888	17	1.25	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0904	2,235.4	11.200	1,830.3	187.30	28.888	17	2.16	11%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	1,562.5	5.0000	2,219.7	801.91	13.088	4	-0.82	15%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0035	1,939.0	38.000	2,219.7	801.91	13.088	4	-0.35	6%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	1,983.5	9.0000	2,219.7	801.91	13.088	4	-0.29	5%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	2128	3,113.2	0.35000	2,219.7	801.91	13.088	4	1.11	20%	0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	2,018.5	113.00				1			0
028.34	Manganese, AAS, Dry ash (mg / kg (ppm))	0674	2,025.6	0.00000				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	1,342.5	141.00	1,821.5	175.41	48.477	21	-2.73	13%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	1,486.0	38.000	1,821.5	175.41	48.477	21	-1.91	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	1,588.1	4.6270	1,821.5	175.41	48.477	21	-1.33	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	1,635.3	106.42	1,821.5	175.41	48.477	21	-1.06	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0848	1,718.1	0.87000	1,821.5	175.41	48.477	21	-0.59	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	1,725.0	30.000	1,821.5	175.41	48.477	21	-0.55	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	1,778.5	5.0000	1,821.5	175.41	48.477	21	-0.25	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0083	1,781.0	0.00000	1,821.5	175.41	48.477	21	-0.23	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0610	1,786.0	52.000	1,821.5	175.41	48.477	21	-0.20	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	1,800.0	60.000	1,821.5	175.41	48.477	21	-0.12	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	1,827.0	30.000	1,821.5	175.41	48.477	21	0.03	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	1,831.5	19.090	1,821.5	175.41	48.477	21	0.06	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	1,870.0	114.00	1,821.5	175.41	48.477	21	0.28	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	1,887.0	24.000	1,821.5	175.41	48.477	21	0.37	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	1,887.5	123.00	1,821.5	175.41	48.477	21	0.38	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	1,945.0	10.000	1,821.5	175.41	48.477	21	0.70	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	1,954.0	74.000	1,821.5	175.41	48.477	21	0.76	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	1,980.5	41.000	1,821.5	175.41	48.477	21	0.91	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	1,995.8	85.010	1,821.5	175.41	48.477	21	0.99	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	2,063.0	20.000	1,821.5	175.41	48.477	21	1.38	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	2,082.0	40.000	1,821.5	175.41	48.477	21	1.48	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	1,660.4	1.8800	1,818.0	126.01	34.185	21	-1.25	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	1,664.0	6.0000	1,818.0	126.01	34.185	21	-1.22	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	1,671.5	29.000	1,818.0	126.01	34.185	21	-1.16	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	1,685.5	0.22000	1,818.0	126.01	34.185	21	-1.05	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	1,738.5	9.0000	1,818.0	126.01	34.185	21	-0.63	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	1,740.0	60.000	1,818.0	126.01	34.185	21	-0.62	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	1,753.0	70.000	1,818.0	126.01	34.185	21	-0.52	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	1,753.5	19.000	1,818.0	126.01	34.185	21	-0.51	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	1,756.5	119.00	1,818.0	126.01	34.185	21	-0.49	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	1,771.5	29.000	1,818.0	126.01	34.185	21	-0.37	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	1,810.1	0.53510	1,818.0	126.01	34.185	21	-0.06	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	1,815.0	38.000	1,818.0	126.01	34.185	21	-0.02	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	1,857.0	66.000	1,818.0	126.01	34.185	21	0.31	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	1,886.5	85.000	1,818.0	126.01	34.185	21	0.54	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	1,904.0	14.000	1,818.0	126.01	34.185	21	0.68	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	1,906.9	6.7200	1,818.0	126.01	34.185	21	0.71	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	1,910.0	80.000	1,818.0	126.01	34.185	21	0.73	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	1,915.5	11.000	1,818.0	126.01	34.185	21	0.77	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	1,965.0	30.000	1,818.0	126.01	34.185	21	1.17	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2012	2,026.2	21.240	1,818.0	126.01	34.185	21	1.65	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	2,468.2	22.280	1,818.0	126.01	34.185	21	5.16	18%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	1,945.1	394.19	1,818.0	126.01	34.185	21	1.01	3%	1
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0006	200.00	4.0000	1,798.5	159.96	26.603	15	-9.99	44%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0043	1,492.5	23.000	1,798.5	159.96	26.603	15	-1.91	9%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	1,670.0	0.00000	1,798.5	159.96	26.603	15	-0.80	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	1,747.2	43.950	1,798.5	159.96	26.603	15	-0.32	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	1,755.0	50.000	1,798.5	159.96	26.603	15	-0.27	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	1,769.0	46.000	1,798.5	159.96	26.603	15	-0.18	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	1,770.5	27.000	1,798.5	159.96	26.603	15	-0.18	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	1,776.5	13.000	1,798.5	159.96	26.603	15	-0.14	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	1,790.0	10.000	1,798.5	159.96	26.603	15	-0.05	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	1,849.5	53.000	1,798.5	159.96	26.603	15	0.32	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	1,866.6	54.700	1,798.5	159.96	26.603	15	0.43	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	1,868.1	56.360	1,798.5	159.96	26.603	15	0.44	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	1,931.0	10.000	1,798.5	159.96	26.603	15	0.83	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	2,028.6	8.0400	1,798.5	159.96	26.603	15	1.44	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	2,040.0	0.00000	1,798.5	159.96	26.603	15	1.51	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0668	1,699.5	261.00	1,798.5	159.96	26.603	15	-0.62	3%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	1,894.5	7.0000				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0096	1,790.1	110.64				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0300	1,649.8	120.48				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	1,930.0	80.000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	1,930.0	8.0000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	1,932.5	35.000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	2,007.5	17.000				3			0
031.00	Phosphorus, Vol (%)	0897	2.9900	0.02000				1			0
031.01	Phosphorus, Photometric (%)	0687	0.12500	0.05000	3.0890	0.15436	0.05884	42	-19.20	48%	0
031.01	Phosphorus, Photometric (%)	0722	2.0598	0.00300	3.0890	0.15436	0.05884	42	-6.67	17%	0
031.01	Phosphorus, Photometric (%)	0596	2.4000	0.14000	3.0890	0.15436	0.05884	42	-4.46	11%	0
031.01	Phosphorus, Photometric (%)	0609	2.4050	0.01000	3.0890	0.15436	0.05884	42	-4.43	11%	0
031.01	Phosphorus, Photometric (%)	0108	2.7600	0.00000	3.0890	0.15436	0.05884	42	-2.13	5%	0
031.01	Phosphorus, Photometric (%)	0620	2.8962	0.04080	3.0890	0.15436	0.05884	42	-1.25	3%	0
031.01	Phosphorus, Photometric (%)	0874	2.8995	0.05770	3.0890	0.15436	0.05884	42	-1.23	3%	0
031.01	Phosphorus, Photometric (%)	0622	2.9282	0.01600	3.0890	0.15436	0.05884	42	-1.04	3%	0
031.01	Phosphorus, Photometric (%)	0152	2.9700	0.06000	3.0890	0.15436	0.05884	42	-0.77	2%	0
031.01	Phosphorus, Photometric (%)	0651	3.0068	0.08560	3.0890	0.15436	0.05884	42	-0.53	1%	0
031.01	Phosphorus, Photometric (%)	2006	3.0125	0.01700	3.0890	0.15436	0.05884	42	-0.50	1%	0
031.01	Phosphorus, Photometric (%)	0881	3.0210	0.01800	3.0890	0.15436	0.05884	42	-0.44	1%	0
031.01	Phosphorus, Photometric (%)	0728	3.0450	0.03000	3.0890	0.15436	0.05884	42	-0.29	1%	0
031.01	Phosphorus, Photometric (%)	0175	3.0500	0.06000	3.0890	0.15436	0.05884	42	-0.25	1%	0
031.01	Phosphorus, Photometric (%)	0849	3.0690	0.01800	3.0890	0.15436	0.05884	42	-0.13	0%	0
031.01	Phosphorus, Photometric (%)	2097	3.0699	0.09680	3.0890	0.15436	0.05884	42	-0.12	0%	0
031.01	Phosphorus, Photometric (%)	0683	3.0750	0.03000	3.0890	0.15436	0.05884	42	-0.09	0%	0
031.01	Phosphorus, Photometric (%)	0623	3.0833	0.05500	3.0890	0.15436	0.05884	42	-0.04	0%	0
031.01	Phosphorus, Photometric (%)	0354	3.0900	0.00000	3.0890	0.15436	0.05884	42	0.01	0%	0
031.01	Phosphorus, Photometric (%)	0937	3.0900	0.02000	3.0890	0.15436	0.05884	42	0.01	0%	0
031.01	Phosphorus, Photometric (%)	0939	3.0900	0.06000	3.0890	0.15436	0.05884	42	0.01	0%	0
031.01	Phosphorus, Photometric (%)	0529	3.0950	0.03000	3.0890	0.15436	0.05884	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0590	3.0950	0.07000	3.0890	0.15436	0.05884	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0674	3.1000	0.00000	3.0890	0.15436	0.05884	42	0.07	0%	0
031.01	Phosphorus, Photometric (%)	0948	3.1050	0.03000	3.0890	0.15436	0.05884	42	0.10	0%	0
031.01	Phosphorus, Photometric (%)	0035	3.1200	0.02000	3.0890	0.15436	0.05884	42	0.20	1%	0
031.01	Phosphorus, Photometric (%)	0884	3.1400	0.26000	3.0890	0.15436	0.05884	42	0.33	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.01	Phosphorus, Photometric (%)	0629	3.1500	0.00000	3.0890	0.15436	0.05884	42	0.40	1%	0
031.01	Phosphorus, Photometric (%)	0653	3.1535	0.01900	3.0890	0.15436	0.05884	42	0.42	1%	0
031.01	Phosphorus, Photometric (%)	0263	3.1590	0.01500	3.0890	0.15436	0.05884	42	0.45	1%	0
031.01	Phosphorus, Photometric (%)	0650	3.1600	0.13000	3.0890	0.15436	0.05884	42	0.46	1%	0
031.01	Phosphorus, Photometric (%)	0689	3.1700	0.10000	3.0890	0.15436	0.05884	42	0.52	1%	0
031.01	Phosphorus, Photometric (%)	2022	3.1700	0.02000	3.0890	0.15436	0.05884	42	0.52	1%	0
031.01	Phosphorus, Photometric (%)	0904	3.1750	0.03000	3.0890	0.15436	0.05884	42	0.56	1%	0
031.01	Phosphorus, Photometric (%)	0885	3.2173	0.01100	3.0890	0.15436	0.05884	42	0.83	2%	0
031.01	Phosphorus, Photometric (%)	0940	3.2200	0.34000	3.0890	0.15436	0.05884	42	0.85	2%	0
031.01	Phosphorus, Photometric (%)	0208	3.2220	0.12200	3.0890	0.15436	0.05884	42	0.86	2%	0
031.01	Phosphorus, Photometric (%)	0018	3.3650	0.01000	3.0890	0.15436	0.05884	42	1.79	4%	0
031.01	Phosphorus, Photometric (%)	0066	3.4650	0.05000	3.0890	0.15436	0.05884	42	2.44	6%	0
031.01	Phosphorus, Photometric (%)	0511	3.5000	0.32000	3.0890	0.15436	0.05884	42	2.66	7%	0
031.01	Phosphorus, Photometric (%)	0723	4.1861	0.00000	3.0890	0.15436	0.05884	42	7.11	18%	0
031.01	Phosphorus, Photometric (%)	0563	4.3695	0.02630	3.0890	0.15436	0.05884	42	8.30	21%	0
031.01	Phosphorus, Photometric (%)	2128	2.5690	0.51000	3.0890	0.15436	0.05884	42	-3.37	8%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0013	3.0900	0.00000	3.1275	0.02723	0.02830	5	-1.38	1%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	3.1250	0.03000	3.1275	0.02723	0.02830	5	-0.09	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	3.1450	0.03000	3.1275	0.02723	0.02830	5	0.64	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	3.1500	0.04000	3.1275	0.02723	0.02830	5	0.83	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0011	7.7840	0.04150	3.1275	0.02723	0.02830	5	170.98	74%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	2.6850	0.05000	3.1285	0.27679	0.03424	5	-1.60	7%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	3.0750	0.03000	3.1285	0.27679	0.03424	5	-0.19	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0036	3.2109	0.06420	3.1285	0.27679	0.03424	5	0.30	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	3.2515	0.00700	3.1285	0.27679	0.03424	5	0.44	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0169	3.4200	0.02000	3.1285	0.27679	0.03424	5	1.05	5%	0
031.06	Phosphorus, Hach Method (%)	0138	2.1905	0.04100				2			0
031.06	Phosphorus, Hach Method (%)	0536	3.0000	0.02000				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0685	2.7200	0.02000	3.0874	0.15242	0.05977	24	-2.41	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	2.7750	0.21000	3.0874	0.15242	0.05977	24	-2.05	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	2.9050	0.01000	3.0874	0.15242	0.05977	24	-1.20	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	2.9600	0.04000	3.0874	0.15242	0.05977	24	-0.84	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0610	2.9850	0.01000	3.0874	0.15242	0.05977	24	-0.67	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	2.9900	0.06000	3.0874	0.15242	0.05977	24	-0.64	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	2.9900	0.12000	3.0874	0.15242	0.05977	24	-0.64	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	3.0300	0.06000	3.0874	0.15242	0.05977	24	-0.38	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	3.0350	0.05000	3.0874	0.15242	0.05977	24	-0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	3.0415	0.11700	3.0874	0.15242	0.05977	24	-0.30	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	3.0450	0.03000	3.0874	0.15242	0.05977	24	-0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	3.0550	0.03000	3.0874	0.15242	0.05977	24	-0.21	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	3.0875	0.17950	3.0874	0.15242	0.05977	24	0.00	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.41	Phosphorus, ICP, Dry ash (%)	0164	3.1000	0.08000	3.0874	0.15242	0.05977	24	0.08	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	3.1100	0.04000	3.0874	0.15242	0.05977	24	0.15	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	3.1450	0.03000	3.0874	0.15242	0.05977	24	0.38	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	3.1450	0.17000	3.0874	0.15242	0.05977	24	0.38	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	3.1500	0.02000	3.0874	0.15242	0.05977	24	0.41	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	3.1783	0.00170	3.0874	0.15242	0.05977	24	0.60	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	3.2250	0.01000	3.0874	0.15242	0.05977	24	0.90	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	3.2750	0.01000	3.0874	0.15242	0.05977	24	1.23	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	3.2950	0.09000	3.0874	0.15242	0.05977	24	1.36	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	3.3903	0.03920	3.0874	0.15242	0.05977	24	1.99	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	3.5675	0.00700	3.0874	0.15242	0.05977	24	3.15	8%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	2.6350	0.09000	3.0920	0.26919	0.06857	23	-1.70	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	2.6650	0.11000	3.0920	0.26919	0.06857	23	-1.59	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	2.7600	0.02000	3.0920	0.26919	0.06857	23	-1.23	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	2.8700	0.08000	3.0920	0.26919	0.06857	23	-0.82	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	2012	2.8900	0.16000	3.0920	0.26919	0.06857	23	-0.75	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	2.9090	0.12000	3.0920	0.26919	0.06857	23	-0.68	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	2.9400	0.06000	3.0920	0.26919	0.06857	23	-0.56	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	2.9600	0.02000	3.0920	0.26919	0.06857	23	-0.49	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	2.9800	0.08000	3.0920	0.26919	0.06857	23	-0.42	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	3.0100	0.18000	3.0920	0.26919	0.06857	23	-0.30	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	3.0850	0.03000	3.0920	0.26919	0.06857	23	-0.03	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	3.1025	0.01100	3.0920	0.26919	0.06857	23	0.04	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	3.1050	0.03000	3.0920	0.26919	0.06857	23	0.05	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	3.1300	0.02000	3.0920	0.26919	0.06857	23	0.14	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	3.1800	0.08000	3.0920	0.26919	0.06857	23	0.33	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	3.1900	0.06000	3.0920	0.26919	0.06857	23	0.36	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	3.2295	0.03300	3.0920	0.26919	0.06857	23	0.51	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	3.3450	0.03000	3.0920	0.26919	0.06857	23	0.94	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0613	3.3700	0.04000	3.0920	0.26919	0.06857	23	1.03	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	3.3775	0.02300	3.0920	0.26919	0.06857	23	1.06	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	3.3950	0.03000	3.0920	0.26919	0.06857	23	1.13	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	3.4150	0.27000	3.0920	0.26919	0.06857	23	1.20	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	3.5200	0.00000	3.0920	0.26919	0.06857	23	1.59	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	3.1965	0.44500	3.0920	0.26919	0.06857	23	0.39	2%	1
031.43	Phosphorus, ICP, Microwave (%)	0918	2.7625	0.03900	3.1272	0.19216	0.06824	20	-1.90	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	2.7760	0.04400	3.1272	0.19216	0.06824	20	-1.83	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	2.8050	0.01000	3.1272	0.19216	0.06824	20	-1.68	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	2.9305	0.05500	3.1272	0.19216	0.06824	20	-1.02	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	2.9947	0.05050	3.1272	0.19216	0.06824	20	-0.69	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	3.0425	0.11500	3.1272	0.19216	0.06824	20	-0.44	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.43	Phosphorus, ICP, Microwave (%)	2143	3.0700	0.02200	3.1272	0.19216	0.06824	20	-0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	3.0750	0.07000	3.1272	0.19216	0.06824	20	-0.27	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	3.1700	0.02000	3.1272	0.19216	0.06824	20	0.22	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	3.1700	0.02000	3.1272	0.19216	0.06824	20	0.22	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	3.1750	0.01000	3.1272	0.19216	0.06824	20	0.25	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	3.1850	0.13000	3.1272	0.19216	0.06824	20	0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	3.2100	0.00000	3.1272	0.19216	0.06824	20	0.43	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	3.2145	0.07440	3.1272	0.19216	0.06824	20	0.45	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	3.2250	0.03000	3.1272	0.19216	0.06824	20	0.51	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	3.2300	0.00000	3.1272	0.19216	0.06824	20	0.54	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0668	3.2650	0.29000	3.1272	0.19216	0.06824	20	0.72	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	3.3040	0.00200	3.1272	0.19216	0.06824	20	0.92	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	3.3500	0.10000	3.1272	0.19216	0.06824	20	1.16	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	3.5177	0.28280	3.1272	0.19216	0.06824	20	2.03	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	0955	3.0050	0.09000				2			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	3.0150	0.01000				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	2.7637	0.11300				1			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0300	2.9220	0.41600				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	3.4700	0.40000				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.60000	0.00000	2.3980	1.0924	0.01600	5	-1.65	37%	0
031.99	Phosphorus, Miscellaneous (%)	0852	2.3100	0.02000	2.3980	1.0924	0.01600	5	-0.08	2%	0
031.99	Phosphorus, Miscellaneous (%)	0889	2.5550	0.01000	2.3980	1.0924	0.01600	5	0.14	3%	0
031.99	Phosphorus, Miscellaneous (%)	0100	3.1800	0.04000	2.3980	1.0924	0.01600	5	0.72	16%	0
031.99	Phosphorus, Miscellaneous (%)	0242	3.3450	0.01000	2.3980	1.0924	0.01600	5	0.87	20%	0
032.02	Potassium, Flame Emission (%)	0504	0.46110	0.00420				2			0
032.02	Potassium, Flame Emission (%)	0884	0.49500	0.01000				2			0
032.31	Potassium, AAS, Dry ash (%)	0650	0.44000	0.02000	0.56534	0.09681	0.01737	16	-1.29	11%	0
032.31	Potassium, AAS, Dry ash (%)	2053	0.44500	0.01000	0.56534	0.09681	0.01737	16	-1.24	11%	0
032.31	Potassium, AAS, Dry ash (%)	0175	0.47000	0.02000	0.56534	0.09681	0.01737	16	-0.98	8%	0
032.31	Potassium, AAS, Dry ash (%)	0939	0.49500	0.01000	0.56534	0.09681	0.01737	16	-0.73	6%	0
032.31	Potassium, AAS, Dry ash (%)	0874	0.50475	0.00470	0.56534	0.09681	0.01737	16	-0.63	5%	0
032.31	Potassium, AAS, Dry ash (%)	0868	0.52950	0.00700	0.56534	0.09681	0.01737	16	-0.37	3%	0
032.31	Potassium, AAS, Dry ash (%)	0638	0.54500	0.01000	0.56534	0.09681	0.01737	16	-0.21	2%	0
032.31	Potassium, AAS, Dry ash (%)	0629	0.55000	0.00000	0.56534	0.09681	0.01737	16	-0.16	1%	0
032.31	Potassium, AAS, Dry ash (%)	0066	0.55500	0.07000	0.56534	0.09681	0.01737	16	-0.11	1%	0
032.31	Potassium, AAS, Dry ash (%)	0529	0.57500	0.01000	0.56534	0.09681	0.01737	16	0.10	1%	0
032.31	Potassium, AAS, Dry ash (%)	0904	0.61500	0.03000	0.56534	0.09681	0.01737	16	0.51	4%	0
032.31	Potassium, AAS, Dry ash (%)	2022	0.61950	0.03500	0.56534	0.09681	0.01737	16	0.56	5%	0
032.31	Potassium, AAS, Dry ash (%)	0354	0.62500	0.01000	0.56534	0.09681	0.01737	16	0.62	5%	0
032.31	Potassium, AAS, Dry ash (%)	0563	0.65560	0.00120	0.56534	0.09681	0.01737	16	0.93	8%	0
032.31	Potassium, AAS, Dry ash (%)	0683	0.84500	0.01000	0.56534	0.09681	0.01737	16	2.89	25%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.31	Potassium, AAS, Dry ash (%)	0689	0.85500	0.03000	0.56534	0.09681	0.01737	16	2.99	26%	0
032.31	Potassium, AAS, Dry ash (%)	0948	5,073.0	149.23	0.56534	0.09681	0.01737	16	52398.02	448614%	2
032.32	Potassium, AAS, Open vessel (%)	0609	0.44500	0.01000				3			0
032.32	Potassium, AAS, Open vessel (%)	0169	0.47500	0.01000				3			0
032.32	Potassium, AAS, Open vessel (%)	0035	0.48500	0.01000				3			0
032.41	Potassium, ICP, Dry ash (%)	0910	0.41500	0.01000	0.53843	0.08865	0.01907	22	-1.39	11%	0
032.41	Potassium, ICP, Dry ash (%)	0413	0.44000	0.00000	0.53843	0.08865	0.01907	22	-1.11	9%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.44215	0.04150	0.53843	0.08865	0.01907	22	-1.09	9%	0
032.41	Potassium, ICP, Dry ash (%)	0610	0.45500	0.01000	0.53843	0.08865	0.01907	22	-0.94	8%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.46500	0.01000	0.53843	0.08865	0.01907	22	-0.83	7%	0
032.41	Potassium, ICP, Dry ash (%)	0144	0.49000	0.02000	0.53843	0.08865	0.01907	22	-0.55	4%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.49650	0.01100	0.53843	0.08865	0.01907	22	-0.47	4%	0
032.41	Potassium, ICP, Dry ash (%)	0011	0.49995	0.01850	0.53843	0.08865	0.01907	22	-0.43	4%	0
032.41	Potassium, ICP, Dry ash (%)	0083	0.50980	0.00220	0.53843	0.08865	0.01907	22	-0.32	3%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.51000	0.00000	0.53843	0.08865	0.01907	22	-0.32	3%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.51935	0.01530	0.53843	0.08865	0.01907	22	-0.22	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.52000	0.04000	0.53843	0.08865	0.01907	22	-0.21	2%	0
032.41	Potassium, ICP, Dry ash (%)	0358	0.53500	0.03000	0.53843	0.08865	0.01907	22	-0.04	0%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.54500	0.03000	0.53843	0.08865	0.01907	22	0.07	1%	0
032.41	Potassium, ICP, Dry ash (%)	0848	0.56500	0.01000	0.53843	0.08865	0.01907	22	0.30	2%	0
032.41	Potassium, ICP, Dry ash (%)	0148	0.57350	0.00500	0.53843	0.08865	0.01907	22	0.40	3%	0
032.41	Potassium, ICP, Dry ash (%)	0049	0.60000	0.06000	0.53843	0.08865	0.01907	22	0.69	6%	0
032.41	Potassium, ICP, Dry ash (%)	0019	0.62000	0.02000	0.53843	0.08865	0.01907	22	0.92	8%	0
032.41	Potassium, ICP, Dry ash (%)	0229	0.63000	0.00000	0.53843	0.08865	0.01907	22	1.03	9%	0
032.41	Potassium, ICP, Dry ash (%)	0619	0.74650	0.01900	0.53843	0.08865	0.01907	22	2.35	19%	0
032.41	Potassium, ICP, Dry ash (%)	0598	0.84445	0.04710	0.53843	0.08865	0.01907	22	3.45	28%	0
032.41	Potassium, ICP, Dry ash (%)	0720	1.0300	0.02000	0.53843	0.08865	0.01907	22	5.55	46%	0
032.41	Potassium, ICP, Dry ash (%)	0226	3.0800	0.48000	0.53843	0.08865	0.01907	22	28.67	236%	2
032.42	Potassium, ICP, Open vessel (%)	0045	0.42650	0.01500	0.48675	0.03743	0.01171	20	-1.61	6%	0
032.42	Potassium, ICP, Open vessel (%)	2012	0.45000	0.02000	0.48675	0.03743	0.01171	20	-0.98	4%	0
032.42	Potassium, ICP, Open vessel (%)	0035	0.45500	0.01000	0.48675	0.03743	0.01171	20	-0.85	3%	0
032.42	Potassium, ICP, Open vessel (%)	0265	0.45500	0.01000	0.48675	0.03743	0.01171	20	-0.85	3%	0
032.42	Potassium, ICP, Open vessel (%)	0693	0.45600	0.00620	0.48675	0.03743	0.01171	20	-0.82	3%	0
032.42	Potassium, ICP, Open vessel (%)	0726	0.45645	0.00030	0.48675	0.03743	0.01171	20	-0.81	3%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.46930	0.03320	0.48675	0.03743	0.01171	20	-0.47	2%	0
032.42	Potassium, ICP, Open vessel (%)	0205	0.47200	0.00800	0.48675	0.03743	0.01171	20	-0.39	2%	0
032.42	Potassium, ICP, Open vessel (%)	0357	0.47500	0.01000	0.48675	0.03743	0.01171	20	-0.31	1%	0
032.42	Potassium, ICP, Open vessel (%)	0294	0.48000	0.02000	0.48675	0.03743	0.01171	20	-0.18	1%	0
032.42	Potassium, ICP, Open vessel (%)	0037	0.49000	0.00000	0.48675	0.03743	0.01171	20	0.09	0%	0
032.42	Potassium, ICP, Open vessel (%)	0278	0.49000	0.02000	0.48675	0.03743	0.01171	20	0.09	0%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.49500	0.00600	0.48675	0.03743	0.01171	20	0.22	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.42	Potassium, ICP, Open vessel (%)	0190	0.49500	0.03000	0.48675	0.03743	0.01171	20	0.22	1%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.51000	0.00000	0.48675	0.03743	0.01171	20	0.62	2%	0
032.42	Potassium, ICP, Open vessel (%)	0366	0.51000	0.00000	0.48675	0.03743	0.01171	20	0.62	2%	0
032.42	Potassium, ICP, Open vessel (%)	0560	0.51700	0.02400	0.48675	0.03743	0.01171	20	0.81	3%	0
032.42	Potassium, ICP, Open vessel (%)	0187	0.60705	0.00050	0.48675	0.03743	0.01171	20	3.21	12%	0
032.42	Potassium, ICP, Open vessel (%)	0692	0.61000	0.02000	0.48675	0.03743	0.01171	20	3.29	13%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.62250	0.00100	0.48675	0.03743	0.01171	20	3.63	14%	0
032.42	Potassium, ICP, Open vessel (%)	0613	0.44000	0.06000	0.48675	0.03743	0.01171	20	-1.25	5%	1
032.43	Potassium, ICP, Microwave (%)	0918	0.39850	0.01500	0.53235	0.10750	0.01690	14	-1.25	13%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.43500	0.03000	0.53235	0.10750	0.01690	14	-0.91	9%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.43685	0.00190	0.53235	0.10750	0.01690	14	-0.89	9%	0
032.43	Potassium, ICP, Microwave (%)	0043	0.44000	0.02000	0.53235	0.10750	0.01690	14	-0.86	9%	0
032.43	Potassium, ICP, Microwave (%)	0668	0.48550	0.00100	0.53235	0.10750	0.01690	14	-0.44	4%	0
032.43	Potassium, ICP, Microwave (%)	0297	0.49000	0.00000	0.53235	0.10750	0.01690	14	-0.39	4%	0
032.43	Potassium, ICP, Microwave (%)	0345	0.51850	0.00300	0.53235	0.10750	0.01690	14	-0.13	1%	0
032.43	Potassium, ICP, Microwave (%)	0629	0.54500	0.01000	0.53235	0.10750	0.01690	14	0.12	1%	0
032.43	Potassium, ICP, Microwave (%)	0353	0.55500	0.01000	0.53235	0.10750	0.01690	14	0.21	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.55500	0.01000	0.53235	0.10750	0.01690	14	0.21	2%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.55635	0.06570	0.53235	0.10750	0.01690	14	0.22	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.65000	0.04000	0.53235	0.10750	0.01690	14	1.09	11%	0
032.43	Potassium, ICP, Microwave (%)	0968	0.73800	0.01000	0.53235	0.10750	0.01690	14	1.91	19%	0
032.43	Potassium, ICP, Microwave (%)	0675	0.74000	0.02000	0.53235	0.10750	0.01690	14	1.93	20%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.51850	0.00100				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	0.41930	0.03880				1			0
032.53	Potassium, ICP-MS, Microwave (%)	0300	0.45950	0.05500				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	0.56350	0.07500				2			0
032.99	Potassium, Miscellaneous (%)	0242	0.45000	0.00000				2			0
032.99	Potassium, Miscellaneous (%)	0100	0.50500	0.01000				2			0
032.99	Potassium, Miscellaneous (%)	0889	0.00000	0.00000				2			4
033.00	Salt as chloride, Sol Cl (%)	0539	5.7900	0.02000	23.789	0.72872	0.13075	13	-24.70	38%	0
033.00	Salt as chloride, Sol Cl (%)	0693	22.649	0.33120	23.789	0.72872	0.13075	13	-1.56	2%	0
033.00	Salt as chloride, Sol Cl (%)	0881	23.227	0.06500	23.789	0.72872	0.13075	13	-0.77	1%	0
033.00	Salt as chloride, Sol Cl (%)	0885	23.584	0.05330	23.789	0.72872	0.13075	13	-0.28	0%	0
033.00	Salt as chloride, Sol Cl (%)	0884	23.700	0.36000	23.789	0.72872	0.13075	13	-0.12	0%	0
033.00	Salt as chloride, Sol Cl (%)	0723	23.790	0.00000	23.789	0.72872	0.13075	13	0.00	0%	0
033.00	Salt as chloride, Sol Cl (%)	0366	23.800	0.20000	23.789	0.72872	0.13075	13	0.02	0%	0
033.00	Salt as chloride, Sol Cl (%)	0511	23.960	0.00000	23.789	0.72872	0.13075	13	0.23	0%	0
033.00	Salt as chloride, Sol Cl (%)	0169	24.005	0.23000	23.789	0.72872	0.13075	13	0.30	0%	0
033.00	Salt as chloride, Sol Cl (%)	0309	24.022	0.05030	23.789	0.72872	0.13075	13	0.32	0%	0
033.00	Salt as chloride, Sol Cl (%)	0504	24.355	0.15000	23.789	0.72872	0.13075	13	0.78	1%	0
033.00	Salt as chloride, Sol Cl (%)	0653	24.550	0.18000	23.789	0.72872	0.13075	13	1.04	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
033.00	Salt as chloride, Sol Cl (%)	0897	24.870	0.06000	23.789	0.72872	0.13075	13	1.48	2%	0
033.00	Salt as chloride, Sol Cl (%)	0353	20.510	0.84000	23.789	0.72872	0.13075	13	-4.50	7%	1
033.01	Salt as chloride, Poten Cl (%)	0019	19.575	0.51000	24.141	0.63144	0.26066	27	-7.23	9%	0
033.01	Salt as chloride, Poten Cl (%)	0003	22.500	1.0000	24.141	0.63144	0.26066	27	-2.60	3%	0
033.01	Salt as chloride, Poten Cl (%)	0964	23.322	0.72300	24.141	0.63144	0.26066	27	-1.30	2%	0
033.01	Salt as chloride, Poten Cl (%)	0001	23.445	0.07000	24.141	0.63144	0.26066	27	-1.10	1%	0
033.01	Salt as chloride, Poten Cl (%)	0229	23.500	0.20000	24.141	0.63144	0.26066	27	-1.02	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	23.713	0.04200	24.141	0.63144	0.26066	27	-0.68	1%	0
033.01	Salt as chloride, Poten Cl (%)	0083	23.775	0.11000	24.141	0.63144	0.26066	27	-0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0148	23.855	0.05000	24.141	0.63144	0.26066	27	-0.45	1%	0
033.01	Salt as chloride, Poten Cl (%)	0175	23.950	0.10000	24.141	0.63144	0.26066	27	-0.30	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	24.010	0.58000	24.141	0.63144	0.26066	27	-0.21	0%	0
033.01	Salt as chloride, Poten Cl (%)	0948	24.045	0.13000	24.141	0.63144	0.26066	27	-0.15	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	24.065	0.35000	24.141	0.63144	0.26066	27	-0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	24.075	0.07000	24.141	0.63144	0.26066	27	-0.10	0%	0
033.01	Salt as chloride, Poten Cl (%)	0036	24.106	0.00000	24.141	0.63144	0.26066	27	-0.06	0%	0
033.01	Salt as chloride, Poten Cl (%)	0937	24.135	0.05000	24.141	0.63144	0.26066	27	-0.01	0%	0
033.01	Salt as chloride, Poten Cl (%)	0683	24.175	0.01000	24.141	0.63144	0.26066	27	0.05	0%	0
033.01	Salt as chloride, Poten Cl (%)	0010	24.240	0.22000	24.141	0.63144	0.26066	27	0.16	0%	0
033.01	Salt as chloride, Poten Cl (%)	0510	24.255	0.03000	24.141	0.63144	0.26066	27	0.18	0%	0
033.01	Salt as chloride, Poten Cl (%)	0205	24.400	0.40000	24.141	0.63144	0.26066	27	0.41	1%	0
033.01	Salt as chloride, Poten Cl (%)	0650	24.400	0.00000	24.141	0.63144	0.26066	27	0.41	1%	0
033.01	Salt as chloride, Poten Cl (%)	0226	24.435	0.41000	24.141	0.63144	0.26066	27	0.47	1%	0
033.01	Salt as chloride, Poten Cl (%)	0874	24.535	0.05000	24.141	0.63144	0.26066	27	0.62	1%	0
033.01	Salt as chloride, Poten Cl (%)	0939	24.630	0.06000	24.141	0.63144	0.26066	27	0.77	1%	0
033.01	Salt as chloride, Poten Cl (%)	0425	25.360	0.08000	24.141	0.63144	0.26066	27	1.93	3%	0
033.01	Salt as chloride, Poten Cl (%)	0011	25.495	0.47270	24.141	0.63144	0.26066	27	2.14	3%	0
033.01	Salt as chloride, Poten Cl (%)	0596	27.750	0.12000	24.141	0.63144	0.26066	27	5.72	7%	0
033.01	Salt as chloride, Poten Cl (%)	0278	28.620	1.2000	24.141	0.63144	0.26066	27	7.09	9%	0
033.03	Salt as chloride, Quantab (%)	0265	21.710	0.00000	22.883	0.78671	0.05200	5	-1.49	3%	0
033.03	Salt as chloride, Quantab (%)	0505	22.680	0.20000	22.883	0.78671	0.05200	5	-0.26	0%	0
033.03	Salt as chloride, Quantab (%)	0190	23.185	0.05000	22.883	0.78671	0.05200	5	0.38	1%	0
033.03	Salt as chloride, Quantab (%)	0726	23.240	0.00000	22.883	0.78671	0.05200	5	0.45	1%	0
033.03	Salt as chloride, Quantab (%)	0848	23.395	0.01000	22.883	0.78671	0.05200	5	0.65	1%	0
033.05	Salt as chloride, Ion Sel Electrode (%)	2129	21.700	3.6000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0955	22.700	0.20000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	23.565	0.07000				3			0
033.99	Salt, Miscellaneous (%)	0848	9.2000	0.00000	22.628	5.7010	0.57684	9	-2.36	30%	0
033.99	Salt, Miscellaneous (%)	0536	14.140	0.06000	22.628	5.7010	0.57684	9	-1.49	19%	0
033.99	Salt, Miscellaneous (%)	0910	22.840	0.70000	22.628	5.7010	0.57684	9	0.04	0%	0
033.99	Salt, Miscellaneous (%)	0358	23.865	0.91000	22.628	5.7010	0.57684	9	0.22	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
033.99	Salt, Miscellaneous (%)	0613	24.671	1.6016	22.628	5.7010	0.57684	9	0.36	5%	0
033.99	Salt, Miscellaneous (%)	2073	24.695	0.11000	22.628	5.7010	0.57684	9	0.36	5%	0
033.99	Salt, Miscellaneous (%)	0208	25.550	0.70000	22.628	5.7010	0.57684	9	0.51	6%	0
033.99	Salt, Miscellaneous (%)	0034	25.950	1.1000	22.628	5.7010	0.57684	9	0.58	7%	0
033.99	Salt, Miscellaneous (%)	0681	27.865	0.01000	22.628	5.7010	0.57684	9	0.92	12%	0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	25.200	0.60000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0596	0.40750	0.28900	23.947	7.9359	1.0087	6	-2.97	49%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	20.000	0.00000	23.947	7.9359	1.0087	6	-0.50	8%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	24.050	0.10000	23.947	7.9359	1.0087	6	0.01	0%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0035	27.500	1.0000	23.947	7.9359	1.0087	6	0.45	7%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	29.500	3.0000	23.947	7.9359	1.0087	6	0.70	12%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0563	30.590	1.6630	23.947	7.9359	1.0087	6	0.84	14%	0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	1.5600	0.14000				1			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	20.350	1.3000				2			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	2053	23.350	2.3000				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0675	12.430	1.6800				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2012	23.475	0.25000				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	26.148	0.58940				3			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	23.400	2.0000				3			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	23.550	1.7800				3			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0096	23.695	0.10040				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	22.372	0.06000				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0033	24.850	3.7000				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	27.100	3.9400				3			0
035.01	Sodium, Ion-selective electrode (%)	0138	9.3590	0.02800				2			0
035.01	Sodium, Ion-selective electrode (%)	2006	9.8435	0.02100				2			0
035.05	Sodium, Flame Emission (%)	0504	9.3250	0.09000				3			0
035.05	Sodium, Flame Emission (%)	0152	9.9500	0.10000				3			0
035.05	Sodium, Flame Emission (%)	0066	10.295	0.19000				3			0
035.31	Sodium, AAS, Dry ash (%)	0689	8.0950	0.07000	9.2861	0.68499	0.19172	17	-1.74	6%	0
035.31	Sodium, AAS, Dry ash (%)	0536	8.3700	0.32000	9.2861	0.68499	0.19172	17	-1.34	5%	0
035.31	Sodium, AAS, Dry ash (%)	0868	8.3750	0.11000	9.2861	0.68499	0.19172	17	-1.33	5%	0
035.31	Sodium, AAS, Dry ash (%)	0683	8.7550	0.25000	9.2861	0.68499	0.19172	17	-0.78	3%	0
035.31	Sodium, AAS, Dry ash (%)	2022	8.9500	0.06000	9.2861	0.68499	0.19172	17	-0.49	2%	0
035.31	Sodium, AAS, Dry ash (%)	0884	8.9700	0.26000	9.2861	0.68499	0.19172	17	-0.46	2%	0
035.31	Sodium, AAS, Dry ash (%)	0629	9.3200	0.00000	9.2861	0.68499	0.19172	17	0.05	0%	0
035.31	Sodium, AAS, Dry ash (%)	0354	9.3300	0.14000	9.2861	0.68499	0.19172	17	0.06	0%	0
035.31	Sodium, AAS, Dry ash (%)	0638	9.3700	0.30000	9.2861	0.68499	0.19172	17	0.12	0%	0
035.31	Sodium, AAS, Dry ash (%)	0505	9.4250	0.15000	9.2861	0.68499	0.19172	17	0.20	1%	0
035.31	Sodium, AAS, Dry ash (%)	0563	9.4406	0.12720	9.2861	0.68499	0.19172	17	0.23	1%	0
035.31	Sodium, AAS, Dry ash (%)	0175	9.5600	0.12000	9.2861	0.68499	0.19172	17	0.40	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.31	Sodium, AAS, Dry ash (%)	0939	9.5750	0.31000	9.2861	0.68499	0.19172	17	0.42	2%	0
035.31	Sodium, AAS, Dry ash (%)	0874	9.8160	0.37200	9.2861	0.68499	0.19172	17	0.77	3%	0
035.31	Sodium, AAS, Dry ash (%)	0650	10.010	0.04000	9.2861	0.68499	0.19172	17	1.06	4%	0
035.31	Sodium, AAS, Dry ash (%)	0529	10.025	0.40000	9.2861	0.68499	0.19172	17	1.08	4%	0
035.31	Sodium, AAS, Dry ash (%)	0904	10.875	0.23000	9.2861	0.68499	0.19172	17	2.32	9%	0
035.31	Sodium, AAS, Dry ash (%)	0948	97.841	163.13	9.2861	0.68499	0.19172	17	142821.44	526764%	2
035.32	Sodium, AAS, Open vessel (%)	0609	7.0900	0.00000	8.1761	0.94477	0.08060	4	-1.15	7%	0
035.32	Sodium, AAS, Open vessel (%)	0169	8.6300	0.06000	8.1761	0.94477	0.08060	4	0.48	3%	0
035.32	Sodium, AAS, Open vessel (%)	0263	8.8082	0.00240	8.1761	0.94477	0.08060	4	0.67	4%	0
035.32	Sodium, AAS, Open vessel (%)	0035	9.4100	0.26000	8.1761	0.94477	0.08060	4	1.31	8%	0
035.41	Sodium, ICP, Dry ash (%)	0619	8.1400	0.06000	9.2463	0.31985	0.19498	20	-3.46	6%	0
035.41	Sodium, ICP, Dry ash (%)	0049	8.7950	0.39000	9.2463	0.31985	0.19498	20	-1.41	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	8.8925	0.60800	9.2463	0.31985	0.19498	20	-1.11	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	9.0150	0.05000	9.2463	0.31985	0.19498	20	-0.72	1%	0
035.41	Sodium, ICP, Dry ash (%)	0144	9.0250	0.25000	9.2463	0.31985	0.19498	20	-0.69	1%	0
035.41	Sodium, ICP, Dry ash (%)	0148	9.0545	0.01700	9.2463	0.31985	0.19498	20	-0.60	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	9.1100	0.32000	9.2463	0.31985	0.19498	20	-0.43	1%	0
035.41	Sodium, ICP, Dry ash (%)	0083	9.1400	0.02000	9.2463	0.31985	0.19498	20	-0.33	1%	0
035.41	Sodium, ICP, Dry ash (%)	0910	9.1450	0.39000	9.2463	0.31985	0.19498	20	-0.32	1%	0
035.41	Sodium, ICP, Dry ash (%)	0011	9.1968	0.06220	9.2463	0.31985	0.19498	20	-0.15	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	9.2000	0.04000	9.2463	0.31985	0.19498	20	-0.14	0%	0
035.41	Sodium, ICP, Dry ash (%)	0229	9.3550	0.19000	9.2463	0.31985	0.19498	20	0.34	1%	0
035.41	Sodium, ICP, Dry ash (%)	2004	9.3700	0.04000	9.2463	0.31985	0.19498	20	0.39	1%	0
035.41	Sodium, ICP, Dry ash (%)	0358	9.3950	0.35000	9.2463	0.31985	0.19498	20	0.46	1%	0
035.41	Sodium, ICP, Dry ash (%)	0598	9.4275	0.06100	9.2463	0.31985	0.19498	20	0.57	1%	0
035.41	Sodium, ICP, Dry ash (%)	0610	9.4700	0.18000	9.2463	0.31985	0.19498	20	0.70	1%	0
035.41	Sodium, ICP, Dry ash (%)	0226	9.6100	0.44000	9.2463	0.31985	0.19498	20	1.14	2%	0
035.41	Sodium, ICP, Dry ash (%)	0413	9.6100	0.10000	9.2463	0.31985	0.19498	20	1.14	2%	0
035.41	Sodium, ICP, Dry ash (%)	0051	9.6228	0.24130	9.2463	0.31985	0.19498	20	1.18	2%	0
035.41	Sodium, ICP, Dry ash (%)	0720	9.9350	0.09000	9.2463	0.31985	0.19498	20	2.15	4%	0
035.42	Sodium, ICP, Open vessel (%)	0265	8.0550	0.17000	9.3013	0.71662	0.14512	18	-1.74	7%	0
035.42	Sodium, ICP, Open vessel (%)	0042	8.1250	0.23000	9.3013	0.71662	0.14512	18	-1.64	6%	0
035.42	Sodium, ICP, Open vessel (%)	0366	8.5200	0.06000	9.3013	0.71662	0.14512	18	-1.09	4%	0
035.42	Sodium, ICP, Open vessel (%)	0035	8.6750	0.07000	9.3013	0.71662	0.14512	18	-0.87	3%	0
035.42	Sodium, ICP, Open vessel (%)	2012	8.7850	0.15000	9.3013	0.71662	0.14512	18	-0.72	3%	0
035.42	Sodium, ICP, Open vessel (%)	0278	8.9550	0.35000	9.3013	0.71662	0.14512	18	-0.48	2%	0
035.42	Sodium, ICP, Open vessel (%)	0693	9.1584	0.13110	9.3013	0.71662	0.14512	18	-0.20	1%	0
035.42	Sodium, ICP, Open vessel (%)	0870	9.2225	0.03500	9.3013	0.71662	0.14512	18	-0.11	0%	0
035.42	Sodium, ICP, Open vessel (%)	0045	9.2250	0.09000	9.3013	0.71662	0.14512	18	-0.11	0%	0
035.42	Sodium, ICP, Open vessel (%)	0187	9.5150	0.03000	9.3013	0.71662	0.14512	18	0.30	1%	0
035.42	Sodium, ICP, Open vessel (%)	0202	9.5150	0.11000	9.3013	0.71662	0.14512	18	0.30	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.42	Sodium, ICP, Open vessel (%)	0205	9.6750	0.41000	9.3013	0.71662	0.14512	18	0.52	2%	0
035.42	Sodium, ICP, Open vessel (%)	0504	9.7240	0.03200	9.3013	0.71662	0.14512	18	0.59	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	9.8050	0.03000	9.3013	0.71662	0.14512	18	0.70	3%	0
035.42	Sodium, ICP, Open vessel (%)	0726	9.8830	0.00400	9.3013	0.71662	0.14512	18	0.81	3%	0
035.42	Sodium, ICP, Open vessel (%)	0560	9.9020	0.14000	9.3013	0.71662	0.14512	18	0.84	3%	0
035.42	Sodium, ICP, Open vessel (%)	0692	10.035	0.53000	9.3013	0.71662	0.14512	18	1.02	4%	0
035.42	Sodium, ICP, Open vessel (%)	0294	10.400	0.04000	9.3013	0.71662	0.14512	18	1.53	6%	0
035.42	Sodium, ICP, Open vessel (%)	0613	11.250	1.9800	9.3013	0.71662	0.14512	18	2.72	10%	1
035.43	Sodium, ICP, Microwave (%)	0425	0.00100	0.00000	8.7284	0.85585	0.22196	14	-10.20	50%	0
035.43	Sodium, ICP, Microwave (%)	0297	6.4400	0.26000	8.7284	0.85585	0.22196	14	-2.67	13%	0
035.43	Sodium, ICP, Microwave (%)	0675	7.7350	0.05000	8.7284	0.85585	0.22196	14	-1.16	6%	0
035.43	Sodium, ICP, Microwave (%)	0098	8.3000	0.24000	8.7284	0.85585	0.22196	14	-0.50	2%	0
035.43	Sodium, ICP, Microwave (%)	0043	8.4100	0.32000	8.7284	0.85585	0.22196	14	-0.37	2%	0
035.43	Sodium, ICP, Microwave (%)	0006	8.7960	0.20600	8.7284	0.85585	0.22196	14	0.08	0%	0
035.43	Sodium, ICP, Microwave (%)	0353	8.9300	0.10000	8.7284	0.85585	0.22196	14	0.24	1%	0
035.43	Sodium, ICP, Microwave (%)	0345	8.9850	0.01000	8.7284	0.85585	0.22196	14	0.30	1%	0
035.43	Sodium, ICP, Microwave (%)	0918	8.9875	0.19500	8.7284	0.85585	0.22196	14	0.30	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	9.2455	0.02100	8.7284	0.85585	0.22196	14	0.60	3%	0
035.43	Sodium, ICP, Microwave (%)	0629	9.2800	0.00000	8.7284	0.85585	0.22196	14	0.64	3%	0
035.43	Sodium, ICP, Microwave (%)	0964	9.3189	0.76550	8.7284	0.85585	0.22196	14	0.69	3%	0
035.43	Sodium, ICP, Microwave (%)	0668	9.6250	0.59000	8.7284	0.85585	0.22196	14	1.05	5%	0
035.43	Sodium, ICP, Microwave (%)	2089	9.6950	0.35000	8.7284	0.85585	0.22196	14	1.13	6%	0
035.51	Sodium, ICP-MS, Dry ash (%)	0019	9.4900	0.14000				1			0
035.52	Sodium, ICP-MS, Open vessel (%)	0096	9.1553	0.50880				1			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	9.2000	0.08000				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0300	9.4345	1.2710				2			0
035.99	Sodium, Miscellaneous (%)	0889	8.4350	0.15000				3			0
035.99	Sodium, Miscellaneous (%)	0242	9.2300	0.06000				3			0
035.99	Sodium, Miscellaneous (%)	0100	10.075	0.09000				3			0
036.00	Sulfur, Gravimetric (%)	0504	0.68000	0.06000				1			0
036.04	Sulfur, LECO (%)	0226	0.42000	0.08000				2			0
036.04	Sulfur, LECO (%)	0098	0.49500	0.01000				2			0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.53000	0.00000	0.57526	0.03447	0.01447	22	-1.31	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.53800	0.00800	0.57526	0.03447	0.01447	22	-1.08	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.54000	0.00000	0.57526	0.03447	0.01447	22	-1.02	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.54500	0.03000	0.57526	0.03447	0.01447	22	-0.88	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.55000	0.00000	0.57526	0.03447	0.01447	22	-0.73	2%	0
036.42	Sulfur, ICP, Open vessel (%)	2012	0.55000	0.04000	0.57526	0.03447	0.01447	22	-0.73	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.55205	0.00270	0.57526	0.03447	0.01447	22	-0.67	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0848	0.56000	0.00000	0.57526	0.03447	0.01447	22	-0.44	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.56500	0.01000	0.57526	0.03447	0.01447	22	-0.30	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
036.42	Sulfur, ICP, Open vessel (%)	0870	0.56645	0.01250	0.57526	0.03447	0.01447	22	-0.26	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.57010	0.00700	0.57526	0.03447	0.01447	22	-0.15	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.57375	0.00630	0.57526	0.03447	0.01447	22	-0.04	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0229	0.57500	0.05000	0.57526	0.03447	0.01447	22	-0.01	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.57695	0.00590	0.57526	0.03447	0.01447	22	0.05	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.58050	0.00100	0.57526	0.03447	0.01447	22	0.15	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.59000	0.00000	0.57526	0.03447	0.01447	22	0.43	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.59000	0.00000	0.57526	0.03447	0.01447	22	0.43	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.59500	0.03000	0.57526	0.03447	0.01447	22	0.57	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.64000	0.00000	0.57526	0.03447	0.01447	22	1.88	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.68500	0.01000	0.57526	0.03447	0.01447	22	3.18	10%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.74950	0.08500	0.57526	0.03447	0.01447	22	5.06	15%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	1.2100	0.02000	0.57526	0.03447	0.01447	22	18.42	55%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.87000	0.10000	0.57526	0.03447	0.01447	22	8.55	26%	1
036.43	Sulfur, ICP, Microwave (%)	0098	0.51025	0.00970	0.60882	0.10337	0.01426	10	-0.95	8%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.52500	0.01000	0.60882	0.10337	0.01426	10	-0.81	7%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.53000	0.00000	0.60882	0.10337	0.01426	10	-0.76	6%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.56050	0.00700	0.60882	0.10337	0.01426	10	-0.47	4%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.58500	0.03000	0.60882	0.10337	0.01426	10	-0.23	2%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.58555	0.01590	0.60882	0.10337	0.01426	10	-0.23	2%	0
036.43	Sulfur, ICP, Microwave (%)	0629	0.60300	0.00000	0.60882	0.10337	0.01426	10	-0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.67500	0.03000	0.60882	0.10337	0.01426	10	0.64	5%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.75000	0.00000	0.60882	0.10337	0.01426	10	1.37	12%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.81000	0.04000	0.60882	0.10337	0.01426	10	1.95	17%	0
036.43	Sulfur, ICP, Microwave (%)	0668	0.58850	0.12300	0.60882	0.10337	0.01426	10	-0.20	2%	1
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	6,148.5	415.00				1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.55500	0.01000				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.74000	0.00000				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0596	2,121.7	37.300	2,615.1	164.36	30.890	21	-3.00	9%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0723	2,410.0	0.00000	2,615.1	164.36	30.890	21	-1.25	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0638	2,430.0	20.000	2,615.1	164.36	30.890	21	-1.13	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	2,446.5	21.000	2,615.1	164.36	30.890	21	-1.03	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	2,510.0	80.000	2,615.1	164.36	30.890	21	-0.64	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2068	2,525.5	39.524	2,615.1	164.36	30.890	21	-0.55	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	2,545.0	6.0000	2,615.1	164.36	30.890	21	-0.43	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0868	2,562.0	6.0000	2,615.1	164.36	30.890	21	-0.32	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0066	2,573.9	35.430	2,615.1	164.36	30.890	21	-0.25	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0505	2,595.0	40.000	2,615.1	164.36	30.890	21	-0.12	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	2,596.0	18.000	2,615.1	164.36	30.890	21	-0.12	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	2,609.1	0.30000	2,615.1	164.36	30.890	21	-0.04	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	2,627.9	120.90	2,615.1	164.36	30.890	21	0.08	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	2,638.0	88.000	2,615.1	164.36	30.890	21	0.14	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0653	2,686.5	29.000	2,615.1	164.36	30.890	21	0.43	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	2,715.0	50.000	2,615.1	164.36	30.890	21	0.61	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	2,755.0	2.0000	2,615.1	164.36	30.890	21	0.85	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	2,800.0	0.00000	2,615.1	164.36	30.890	21	1.12	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0674	2,800.1	0.00000	2,615.1	164.36	30.890	21	1.13	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0563	3,108.5	17.001	2,615.1	164.36	30.890	21	3.00	9%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0904	3,292.6	38.230	2,615.1	164.36	30.890	21	4.12	13%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	2,700.0	200.00	2,615.1	164.36	30.890	21	0.52	2%	1
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	0.14500	0.01000	2,615.1	164.36	30.890	21	-15.91	50%	2
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	2,596.5	101.00	2,642.6	65.863	44.698	4	-0.70	1%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	2128	2,599.6	20.790	2,642.6	65.863	44.698	4	-0.65	1%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	2,637.0	20.000	2,642.6	65.863	44.698	4	-0.09	0%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0035	2,737.5	37.000	2,642.6	65.863	44.698	4	1.44	2%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0504	2,742.5	331.00				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	1,874.0	12.000	2,525.8	210.22	73.594	22	-3.10	13%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	2,118.5	19.000	2,525.8	210.22	73.594	22	-1.94	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	2,220.2	39.090	2,525.8	210.22	73.594	22	-1.45	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	2,336.4	61.009	2,525.8	210.22	73.594	22	-0.90	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	2,349.8	13.650	2,525.8	210.22	73.594	22	-0.84	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	2,376.5	17.000	2,525.8	210.22	73.594	22	-0.71	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	2,434.0	6.0000	2,525.8	210.22	73.594	22	-0.44	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	2,434.5	131.00	2,525.8	210.22	73.594	22	-0.43	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	2,498.0	196.00	2,525.8	210.22	73.594	22	-0.13	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	2,526.0	0.00000	2,525.8	210.22	73.594	22	0.00	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0610	2,557.0	24.000	2,525.8	210.22	73.594	22	0.15	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	2,559.2	98.310	2,525.8	210.22	73.594	22	0.16	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	2,577.5	143.00	2,525.8	210.22	73.594	22	0.25	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0083	2,582.5	17.000	2,525.8	210.22	73.594	22	0.27	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	2,637.5	145.00	2,525.8	210.22	73.594	22	0.53	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	2,645.0	130.00	2,525.8	210.22	73.594	22	0.57	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	2,652.0	33.010	2,525.8	210.22	73.594	22	0.60	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	2,665.0	50.000	2,525.8	210.22	73.594	22	0.66	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	2,735.0	40.000	2,525.8	210.22	73.594	22	1.00	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	2,753.0	8.0000	2,525.8	210.22	73.594	22	1.08	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0004	2,766.5	241.00	2,525.8	210.22	73.594	22	1.14	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	2,916.5	195.00	2,525.8	210.22	73.594	22	1.86	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	2,101.0	126.00	2,494.3	183.55	56.409	20	-2.14	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	2,248.5	205.00	2,494.3	183.55	56.409	20	-1.34	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	2,265.0	43.230	2,494.3	183.55	56.409	20	-1.25	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	2,277.8	15.600	2,494.3	183.55	56.409	20	-1.18	4%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	2,392.0	4.0000	2,494.3	183.55	56.409	20	-0.56	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	2,405.5	5.0000	2,494.3	183.55	56.409	20	-0.48	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	2,420.0	60.000	2,494.3	183.55	56.409	20	-0.40	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	2,449.9	32.720	2,494.3	183.55	56.409	20	-0.24	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	2,459.0	6.0000	2,494.3	183.55	56.409	20	-0.19	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	2,486.2	101.38	2,494.3	183.55	56.409	20	-0.04	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	2,496.0	14.000	2,494.3	183.55	56.409	20	0.01	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	2,501.0	4.0000	2,494.3	183.55	56.409	20	0.04	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	2,580.0	20.000	2,494.3	183.55	56.409	20	0.47	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	2,630.0	40.000	2,494.3	183.55	56.409	20	0.74	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	2,640.0	60.000	2,494.3	183.55	56.409	20	0.79	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	2,643.5	113.00	2,494.3	183.55	56.409	20	0.81	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	2,663.2	20.260	2,494.3	183.55	56.409	20	0.92	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	2,667.0	132.00	2,494.3	183.55	56.409	20	0.94	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2012	2,673.4	34.990	2,494.3	183.55	56.409	20	0.98	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	2,768.5	91.000	2,494.3	183.55	56.409	20	1.49	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	2,737.7	677.42	2,494.3	183.55	56.409	20	1.33	5%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	15.845	0.31000	2,494.3	183.55	56.409	20	-13.50	50%	2
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0006	265.50	3.0000	2,425.4	269.34	48.852	18	-8.02	45%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0668	1,980.0	20.000	2,425.4	269.34	48.852	18	-1.65	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0018	2,181.1	105.30	2,425.4	269.34	48.852	18	-0.91	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0043	2,182.0	20.000	2,425.4	269.34	48.852	18	-0.90	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0034	2,215.6	7.3000	2,425.4	269.34	48.852	18	-0.78	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	2,310.0	195.40	2,425.4	269.34	48.852	18	-0.43	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	2,352.0	24.000	2,425.4	269.34	48.852	18	-0.27	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	2,361.2	14.850	2,425.4	269.34	48.852	18	-0.24	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	2,435.0	10.000	2,425.4	269.34	48.852	18	0.04	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	2,442.5	15.000	2,425.4	269.34	48.852	18	0.06	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	2,524.0	34.000	2,425.4	269.34	48.852	18	0.37	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0033	2,555.0	70.000	2,425.4	269.34	48.852	18	0.48	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	2,604.8	11.300	2,425.4	269.34	48.852	18	0.67	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	2,612.5	11.000	2,425.4	269.34	48.852	18	0.69	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	2,613.0	168.00	2,425.4	269.34	48.852	18	0.70	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	2,646.5	165.00	2,425.4	269.34	48.852	18	0.82	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	2,750.0	0.00000	2,425.4	269.34	48.852	18	1.21	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	2,839.1	5.1900	2,425.4	269.34	48.852	18	1.54	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	2,965.0	690.00	2,425.4	269.34	48.852	18	2.00	11%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0955	2,470.5	189.00				2			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	2,554.5	23.000				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	2,225.5	15.300				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0096	2,414.2	209.30				2			0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0300	2,328.4	558.72				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	2,545.0	70.000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	2,256.0	14.000	2,517.6	175.41	27.500	6	-1.49	5%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2129	2,433.5	29.000	2,517.6	175.41	27.500	6	-0.48	2%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	2,517.5	83.000	2,517.6	175.41	27.500	6	0.00	0%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0010	2,595.0	10.000	2,517.6	175.41	27.500	6	0.44	2%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	2,619.0	8.0000	2,517.6	175.41	27.500	6	0.58	2%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	2,684.5	21.000	2,517.6	175.41	27.500	6	0.95	3%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	1.9000	0.00000				1			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	3.1726	0.25910				2			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	3.6200	0.08000				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	1.3225	0.03880	2.8176	0.93673	0.20568	5	-1.60	27%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	2.4700	0.30000	2.8176	0.93673	0.20568	5	-0.37	6%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	3.3504	0.35960	2.8176	0.93673	0.20568	5	0.57	9%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	3.3950	0.03000	2.8176	0.93673	0.20568	5	0.62	10%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	3.5500	0.30000	2.8176	0.93673	0.20568	5	0.78	13%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0096	4.0129	0.17380				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	4.2085	0.60900				1			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	13.815	0.03000				1			0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0096	11.857	1.2001				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	12.481	0.15300				1			0
042.00	Chloride, Titrimetric (%)	0948	14.610	0.08000				3			0
042.00	Chloride, Titrimetric (%)	2012	14.980	0.14000				3			0
042.00	Chloride, Titrimetric (%)	0297	15.060	0.12000				3			0
042.01	Chloride, Ion-selective electrode (%)	0619	12.650	0.10000				1			0
042.02	Chloride, Ion Chromatography (%)	0413	14.550	0.30000				1			0
042.99	Chloride, Miscellaneous (%)	0613	16.020	1.0400				1			0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0043	326.10	3.0000	413.10	61.964	14.382	5	-1.40	11%	0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0035	373.50	7.0000	413.10	61.964	14.382	5	-0.64	5%	0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0511	433.50	15.000	413.10	61.964	14.382	5	0.33	2%	0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0027	457.03	31.246	413.10	61.964	14.382	5	0.71	5%	0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0218	475.35	15.665	413.10	61.964	14.382	5	1.00	8%	0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0964	537.71	158.79	413.10	61.964	14.382	5	2.01	15%	1
051.03	Chlortetracycline, LC (mg / kg (ppm))	2127	258.50	71.000	371.23	90.528	26.093	12	-1.25	15%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	2135	283.35	4.7000	371.23	90.528	26.093	12	-0.97	12%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0884	302.50	3.0000	371.23	90.528	26.093	12	-0.76	9%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0941	330.00	0.00000	371.23	90.528	26.093	12	-0.46	6%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0242	331.95	59.030	371.23	90.528	26.093	12	-0.43	5%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0613	339.36	10.180	371.23	90.528	26.093	12	-0.35	4%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0917	349.00	28.000	371.23	90.528	26.093	12	-0.25	3%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0033	391.50	59.000	371.23	90.528	26.093	12	0.22	3%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
051.03	Chlortetracycline, LC (mg / kg (ppm))	0001	439.50	25.000	371.23	90.528	26.093	12	0.75	9%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0004	444.50	1.0000	371.23	90.528	26.093	12	0.81	10%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0036	477.60	24.200	371.23	90.528	26.093	12	1.17	14%	0
051.03	Chlortetracycline, LC (mg / kg (ppm))	2053	544.00	28.000	371.23	90.528	26.093	12	1.91	23%	0
051.99	Chlortetracycline, Miscellaneous (mg / kg (ppm))	0910	412.50	5.0000				1			0
073.03	Oxytetracycline, LC (mg / kg (ppm))	0613	10.000	0.00000				1			0
095.03	Methoprene, GC (mg/kg (ppm))	0019	62.280	0.04000				1			0
095.99	Methoprene, Miscellaneous (mg/kg (ppm))	2053	4.5250	0.39000				1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	0.00000	0.00000				0			4
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	59.950	5.5000				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	3.9150	0.01000				1			0
102.02	Niacin, LC (mg / kg (ppm))	0675	10.010	0.34000				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	3.1200	0.30000				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	1.1450	0.03000				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	0.17000	0.10600				1			0
106.00	Vitamin A, Color (KU / kg)	0171	101.85	3.7000				2			0
106.00	Vitamin A, Color (KU / kg)	0019	120.77	11.420				2			0
106.01	Vitamin A, UV (KU / kg)	0098	84.600	1.4000				1			0
106.02	Vitamin A, LC (KU / kg)	0638	53.100	0.00000	83.527	14.661	5.7014	19	-2.08	18%	0
106.02	Vitamin A, LC (KU / kg)	0910	62.000	0.00000	83.527	14.661	5.7014	19	-1.47	13%	0
106.02	Vitamin A, LC (KU / kg)	0675	65.480	4.8800	83.527	14.661	5.7014	19	-1.23	11%	0
106.02	Vitamin A, LC (KU / kg)	0148	71.785	3.8700	83.527	14.661	5.7014	19	-0.80	7%	0
106.02	Vitamin A, LC (KU / kg)	0676	72.600	5.4000	83.527	14.661	5.7014	19	-0.75	7%	0
106.02	Vitamin A, LC (KU / kg)	0027	75.516	2.9840	83.527	14.661	5.7014	19	-0.55	5%	0
106.02	Vitamin A, LC (KU / kg)	0563	80.833	0.41280	83.527	14.661	5.7014	19	-0.18	2%	0
106.02	Vitamin A, LC (KU / kg)	2103	82.220	3.1200	83.527	14.661	5.7014	19	-0.09	1%	0
106.02	Vitamin A, LC (KU / kg)	0208	83.664	13.008	83.527	14.661	5.7014	19	0.01	0%	0
106.02	Vitamin A, LC (KU / kg)	0904	85.145	8.6100	83.527	14.661	5.7014	19	0.11	1%	0
106.02	Vitamin A, LC (KU / kg)	0689	85.700	5.4000	83.527	14.661	5.7014	19	0.15	1%	0
106.02	Vitamin A, LC (KU / kg)	0004	85.804	9.4360	83.527	14.661	5.7014	19	0.16	1%	0
106.02	Vitamin A, LC (KU / kg)	2053	86.650	9.7000	83.527	14.661	5.7014	19	0.21	2%	0
106.02	Vitamin A, LC (KU / kg)	0610	90.250	5.3000	83.527	14.661	5.7014	19	0.46	4%	0
106.02	Vitamin A, LC (KU / kg)	0014	96.050	15.900	83.527	14.661	5.7014	19	0.85	7%	0
106.02	Vitamin A, LC (KU / kg)	0051	98.074	1.8660	83.527	14.661	5.7014	19	0.99	9%	0
106.02	Vitamin A, LC (KU / kg)	0035	98.180	5.4400	83.527	14.661	5.7014	19	1.00	9%	0
106.02	Vitamin A, LC (KU / kg)	0003	100.00	10.000	83.527	14.661	5.7014	19	1.12	10%	0
106.02	Vitamin A, LC (KU / kg)	0169	137.50	3.0000	83.527	14.661	5.7014	19	3.68	32%	0
106.02	Vitamin A, LC (KU / kg)	0955	112.50	39.000	83.527	14.661	5.7014	19	1.98	17%	1
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	9.6100	0.78000				1			0
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	4.5000	1.0000				1			0
108.02	Vitamin D3, LC (KU / kg)	0904	6.6950	2.0500	7.9480	1.1369	1.1400	5	-1.10	8%	0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
108.02	Vitamin D3, LC (KU / kg)	0610	7.3500	0.50000	7.9480	1.1369	1.1400	5	-0.53	4%	0
108.02	Vitamin D3, LC (KU / kg)	0675	7.6850	0.83000	7.9480	1.1369	1.1400	5	-0.23	2%	0
108.02	Vitamin D3, LC (KU / kg)	0227	8.3200	0.30000	7.9480	1.1369	1.1400	5	0.33	2%	0
108.02	Vitamin D3, LC (KU / kg)	0208	9.6900	2.0200	7.9480	1.1369	1.1400	5	1.53	11%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	8.1800	0.74000				1			0
109.02	Vitamin E, LC (IU/kg)	0563	126.11	2.5394	194.54	32.486	12.281	16	-2.11	18%	0
109.02	Vitamin E, LC (IU/kg)	0676	154.55	11.300	194.54	32.486	12.281	16	-1.23	10%	0
109.02	Vitamin E, LC (IU/kg)	0675	163.46	7.3300	194.54	32.486	12.281	16	-0.96	8%	0
109.02	Vitamin E, LC (IU/kg)	0169	180.50	9.0000	194.54	32.486	12.281	16	-0.43	4%	0
109.02	Vitamin E, LC (IU/kg)	0610	181.75	20.500	194.54	32.486	12.281	16	-0.39	3%	0
109.02	Vitamin E, LC (IU/kg)	0955	183.50	11.000	194.54	32.486	12.281	16	-0.34	3%	0
109.02	Vitamin E, LC (IU/kg)	0148	186.25	11.500	194.54	32.486	12.281	16	-0.26	2%	0
109.02	Vitamin E, LC (IU/kg)	0208	186.31	44.643	194.54	32.486	12.281	16	-0.25	2%	0
109.02	Vitamin E, LC (IU/kg)	2103	189.00	6.0000	194.54	32.486	12.281	16	-0.17	1%	0
109.02	Vitamin E, LC (IU/kg)	0904	192.72	7.5600	194.54	32.486	12.281	16	-0.06	0%	0
109.02	Vitamin E, LC (IU/kg)	0910	208.00	12.000	194.54	32.486	12.281	16	0.41	3%	0
109.02	Vitamin E, LC (IU/kg)	0027	209.38	17.630	194.54	32.486	12.281	16	0.46	4%	0
109.02	Vitamin E, LC (IU/kg)	0723	220.40	0.00000	194.54	32.486	12.281	16	0.80	7%	0
109.02	Vitamin E, LC (IU/kg)	0098	224.50	7.0000	194.54	32.486	12.281	16	0.92	8%	0
109.02	Vitamin E, LC (IU/kg)	0227	263.00	18.000	194.54	32.486	12.281	16	2.11	18%	0
109.02	Vitamin E, LC (IU/kg)	0689	282.75	10.500	194.54	32.486	12.281	16	2.72	23%	0
109.02	Vitamin E, LC (IU/kg)	2022	325.00	70.000	194.54	32.486	12.281	16	4.02	34%	1
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	172.50	9.0000				1			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	0227	20.700	1.4000				1			0
112.01	Pyridoxine, LC (µg / g)	0227	0.92500	0.07000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.10700	0.00800				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.07725	0.00070				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.06565	0.00030				2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.06595	0.00030				2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.06250	0.00300				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.04785	0.00390				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.04890	0.00060				2			0
121.05	Arginine, Pre-col AQC Der (%)	0676	0.05000	0.00000				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.17210	0.00240				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.18485	0.00270				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.18150	0.01100				1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0918	0.01885	0.00230				1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0870	0.00000	0.00000				1			4
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.01450	0.00100				1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	0.14955	0.00050				2			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	0.15380	0.00060				2			0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
125.05	Glutamic, Pre-col AQC Der (%)	0676	0.15400	0.00600				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.07365	0.00270				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.07715	0.00010				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	0.07950	0.00300				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.01070	0.00040				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.03465	0.00090				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.02400	0.00000				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.03600	0.00240				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.03950	0.00040				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.04100	0.00000				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.06180	0.00260				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.07305	0.00010				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	0.06850	0.00100				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.01360	0.00280				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.03880	0.00080				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.04600	0.00200				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.01015	0.00330				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.00000	0.00000				1		4	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.03040	0.00220				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.07095	0.00310				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.04000	0.00000				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.04925	0.01470				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.06010	0.00360				2		0	
133.05	Proline, Pre-col AQC Der (%)	0676	0.06200	0.00200				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.05165	0.00210				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.05935	0.00010				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	0.06100	0.00000				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.02830	0.00100				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.03830	0.00040				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	0.03900	0.00200				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.00915	0.00030				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.00000	0.00000				1		4	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.06065	0.00330				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.00000	0.00000				1		4	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.04750	0.00300				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.01520	0.00120				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.05100	0.00400				2		0	
138.05	Valine, Pre-col AQC Der (%)	0676	0.05450	0.00100				1		0	
160.99	Fructose, Miscellaneous (%)	0297	0.14350	0.00700				2		0	
160.99	Fructose, Miscellaneous (%)	0638	0.20000	0.00000				2		0	
162.99	Glucose, Miscellaneous (%)	0297	0.42700	0.00000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
162.99	Glucose, Miscellaneous (%)	0638	0.00000	0.00000				1			4
165.99	Sucrose, Miscellaneous (%)	0297	2.4110	0.09800				2			0
165.99	Sucrose, Miscellaneous (%)	0227	2.6450	0.17000				2			0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.36000	0.00000	0.36955	0.00871	0.01263	4	-1.10	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.37160	0.00020	0.36955	0.00871	0.01263	4	0.24	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0843	0.37705	0.00030	0.36955	0.00871	0.01263	4	0.86	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.39900	0.05000	0.36955	0.00871	0.01263	4	3.38	4%	0
400.99	Water activity, Miscellaneous (Units)	2073	0.38050	0.00900				2			0
400.99	Water activity, Miscellaneous (Units)	0843	0.38250	0.00100				2			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0964	3.4416	0.60640				1			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0096	2.3459	0.25760				1			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0164	2.7800	0.12000	3.0367	0.37289	0.14613	4	-0.69	4%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	2.7800	0.12000	3.0367	0.37289	0.14613	4	-0.69	4%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	3.0163	0.20550	3.0367	0.37289	0.14613	4	-0.05	0%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	3.5705	0.13900	3.0367	0.37289	0.14613	4	1.43	9%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0619	0.38900	0.01400				2			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.60000	0.20000				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	0.68445	0.08450				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2012	2.3500	0.22000				2			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0096	0.74555	0.05810				1			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.76850	0.01300	0.77314	0.00390	0.04208	4	-1.19	0%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.77300	0.05600	0.77314	0.00390	0.04208	4	-0.04	0%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.77300	0.05600	0.77314	0.00390	0.04208	4	-0.04	0%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.77805	0.04330	0.77314	0.00390	0.04208	4	1.26	0%	0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0529	38.400	3.0000				3			0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0164	40.500	3.0000				3			0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0904	52.015	0.51000				3			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0619	14.300	0.60000	21.903	7.0101	12.295	4	-1.08	17%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	23.300	0.00000	21.903	7.0101	12.295	4	0.20	3%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0848	28.110	0.58000	21.903	7.0101	12.295	4	0.89	14%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0011	34,350	48.000	21.903	7.0101	12.295	4	4896.92	78363%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	34.986	1.9261				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	2012	38.080	0.66000				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	39.320	0.24000				3			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0096	34.551	1.5812				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	39.655	1.6483				1			0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	1.9900	0.00000				1			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0619	0.01350	0.00700				2			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.70000	0.00000				2			0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0964	1.5773	0.23300				1			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0096	1.4820	0.13200				1			0

Sample # 201698

Method Proficiency Testing Report

Issue Date : 09/30/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	1.5850	0.05000	1.5983	0.01155	0.09443	4	-1.15	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0164	1.6050	0.09000	1.5983	0.01155	0.09443	4	0.58	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	1.6050	0.09000	1.5983	0.01155	0.09443	4	0.58	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	1.7699	0.14770	1.5983	0.01155	0.09443	4	14.85	5%	0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	8.6000	0.00000				1			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	14.301	0.88420				2			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	2012	15.720	1.3800				2			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0096	15.328	0.34860				1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	13.043	2.0120				1			0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.