

AAFCO Check Sample Program
All Labs and All Methods Report
Sort by Method
Proficiency For Individual Methods
Sample # 201298
Feed grade monocalcium phosphate



AAFCO
 Association of American Feed Control Officials

Robust statistics not used if < 6 labs reporting, in this case the Z Scores are included for information only (Grey).

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95 °C 5 hr (%)	0169	3.8200	0.06000			0.06000	1			
001.03	Loss on Drying, Low temp. methods (%)	0938	2.4650	0.01000	3.1850	0.42001	0.01400	5	-1.71	11%	0
001.03	Loss on Drying, Low temp. methods (%)	0898	3.1950	0.01000	3.1850	0.42001	0.01400	5	0.02	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0936	3.3200	0.04000	3.1850	0.42001	0.01400	5	0.32	2%	0
001.03	Loss on Drying, Low temp. methods (%)	0908	3.4300	0.00000	3.1850	0.42001	0.01400	5	0.58	4%	0
001.03	Loss on Drying, Low temp. methods (%)	0935	3.5150	0.01000	3.1850	0.42001	0.01400	5	0.79	5%	0
001.05	Loss on Drying, LECO (%)	0610	3.2650	0.03000			0.03000	1			
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	2.6800	0.68000	3.4240	0.44194	0.17617	10	-1.68	11%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	2.9800	0.04000	3.4240	0.44194	0.17617	10	-1.00	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	3.2442	0.00170	3.4240	0.44194	0.17617	10	-0.41	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	3.2700	0.02000	3.4240	0.44194	0.17617	10	-0.35	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	3.3000	0.02000	3.4240	0.44194	0.17617	10	-0.28	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	3.4500	0.20000	3.4240	0.44194	0.17617	10	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	3.5100	0.58000	3.4240	0.44194	0.17617	10	0.19	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	3.8600	0.04000	3.4240	0.44194	0.17617	10	0.99	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	3.9050	0.03000	3.4240	0.44194	0.17617	10	1.09	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	3.9350	0.15000	3.4240	0.44194	0.17617	10	1.16	7%	0
001.08	Loss on Drying, 102 °C 16 hr, in meat (%)	0337	3.4700	0.06000			0.06000	1			
001.99	Loss on Drying, Miscellaneous (%)	0510	3.3500	0.10000	22.765	38.477	0.14650	4	-0.50	43%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	3.4850	0.03000	22.765	38.477	0.14650	4	-0.50	42%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	3.7440	0.45600	22.765	38.477	0.14650	4	-0.49	42%	0
001.99	Loss on Drying, Miscellaneous (%)	0638	80.480	0.00000	22.765	38.477	0.14650	4	1.50	127%	0
002.00	Protein, Crude (%)	0581	26.640	0.44000			0.44000	1			
002.01	Protein, Auto Kjel-Foss (%)	0043	0.00000	0.00000	0.37000	0.52326	0.02000	2	-0.71	50%	0
002.01	Protein, Auto Kjel-Foss (%)	2006	0.74000	0.04000	0.37000	0.52326	0.02000	2	0.71	50%	0
002.02	Protein, Semiauto Autoanalyzer (%)	0169	4.1500	1.6600			1.6600	1			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0043	0.00000	0.00000	0.82795	0.28740	0.04236	17	-2.88	50%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	0.24650	0.01900	0.82795	0.28740	0.04236	17	-2.02	35%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	0.60000	0.00000	0.82795	0.28740	0.04236	17	-0.79	14%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	0.60000	0.00000	0.82795	0.28740	0.04236	17	-0.79	14%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0670	0.66500	0.05000	0.82795	0.28740	0.04236	17	-0.57	10%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	0.70000	0.02000	0.82795	0.28740	0.04236	17	-0.45	8%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	0.75000	0.00000	0.82795	0.28740	0.04236	17	-0.27	5%	0

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002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	0.79500	0.11000	0.82795	0.28740	0.04236	17	-0.11	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	0.79500	0.03000	0.82795	0.28740	0.04236	17	-0.11	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0337	0.83500	0.03000	0.82795	0.28740	0.04236	17	0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	0.89500	0.11000	0.82795	0.28740	0.04236	17	0.23	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	1.0200	0.02000	0.82795	0.28740	0.04236	17	0.67	12%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	1.0650	0.05000	0.82795	0.28740	0.04236	17	0.82	14%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	1.0828	0.02110	0.82795	0.28740	0.04236	17	0.89	15%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	1.1000	0.02000	0.82795	0.28740	0.04236	17	0.95	16%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0168	1.1500	0.04000	0.82795	0.28740	0.04236	17	1.12	19%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	1.8000	0.20000	0.82795	0.28740	0.04236	17	3.38	59%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	1.3300	0.58000	0.82795	0.28740	0.04236	17	1.75	30%	1
003.00	Fat, Eth Ext., Direct (%)	0337	0.12000	0.04000	0.47993	0.50901	0.02285	2	-0.71	37%	0
003.00	Fat, Eth Ext., Direct (%)	0065	0.83985	0.00570	0.47993	0.50901	0.02285	2	0.71	37%	0
003.06	Fat, Pet Ether (%)	0297	0.02500	0.01000			0.01000	1			
003.10	Fat, Soxtec, Pet Ether (%)	2006	0.00000	0.00000	0.06750	0.09546	0.01500	2	-0.71	50%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	0.13500	0.03000	0.06750	0.09546	0.01500	2	0.71	50%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0670	0.00000	0.00000			0.00000	1			
003.14	Fat, Ankom (%)	0520	0.06500	0.07000	0.08250	0.02475	0.03500	2	-0.71	11%	0
003.14	Fat, Ankom (%)	0278	0.10000	0.00000	0.08250	0.02475	0.03500	2	0.71	11%	0
004.00	Fiber, Crude Asbestos Free (%)	0337	0.29000	0.00000			0.00000	1			
004.03	Fiber, Fritted Glass (%)	0693	0.21500	0.03000			0.03000	1			
004.06	Fiber, Fibertec (%)	2006	0.11500	0.11000	0.40500	0.41012	0.07000	2	-0.71	36%	0
004.06	Fiber, Fibertec (%)	0670	0.69500	0.03000	0.40500	0.41012	0.07000	2	0.71	36%	0
004.07	Fiber, ANKOM (%)	0278	0.10000	0.00000	0.23667	0.21962	0.12667	3	-0.62	29%	0
004.07	Fiber, ANKOM (%)	0297	0.12000	0.08000	0.23667	0.21962	0.12667	3	-0.53	25%	0
004.07	Fiber, ANKOM (%)	0520	0.49000	0.30000	0.23667	0.21962	0.12667	3	1.15	54%	0
005.00	Ash, 2h @ 600°C (%)	2006	79.305	0.03000	79.964	0.27363	0.12652	25	-2.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	79.380	0.04000	79.964	0.27363	0.12652	25	-2.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0674	79.470	0.38000	79.964	0.27363	0.12652	25	-1.81	0%	0
005.00	Ash, 2h @ 600°C (%)	0065	79.606	0.01870	79.964	0.27363	0.12652	25	-1.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0337	79.800	0.04000	79.964	0.27363	0.12652	25	-0.60	0%	0
005.00	Ash, 2h @ 600°C (%)	0552	79.805	0.25000	79.964	0.27363	0.12652	25	-0.58	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	79.825	0.15000	79.964	0.27363	0.12652	25	-0.51	0%	0
005.00	Ash, 2h @ 600°C (%)	0670	79.830	0.26000	79.964	0.27363	0.12652	25	-0.49	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	79.830	0.20000	79.964	0.27363	0.12652	25	-0.49	0%	0
005.00	Ash, 2h @ 600°C (%)	0956	79.850	0.10000	79.964	0.27363	0.12652	25	-0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	0722	79.884	0.03280	79.964	0.27363	0.12652	25	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0358	79.920	0.04000	79.964	0.27363	0.12652	25	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0520	79.945	0.03000	79.964	0.27363	0.12652	25	-0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	79.950	0.10000	79.964	0.27363	0.12652	25	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	80.000	0.20000	79.964	0.27363	0.12652	25	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	80.105	0.09300	79.964	0.27363	0.12652	25	0.51	0%	0

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005.00	Ash, 2h @ 600°C (%)	0589	80.110	0.06000	79.964	0.27363	0.12652	25	0.53	0%	0
005.00	Ash, 2h @ 600°C (%)	0689	80.135	0.05000	79.964	0.27363	0.12652	25	0.62	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	80.165	0.17000	79.964	0.27363	0.12652	25	0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	80.165	0.05000	79.964	0.27363	0.12652	25	0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0278	80.210	0.04000	79.964	0.27363	0.12652	25	0.90	0%	0
005.00	Ash, 2h @ 600°C (%)	0939	80.305	0.09000	79.964	0.27363	0.12652	25	1.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0297	80.400	0.20000	79.964	0.27363	0.12652	25	1.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0144	80.450	0.30000	79.964	0.27363	0.12652	25	1.77	0%	0
005.00	Ash, 2h @ 600°C (%)	2009	80.904	0.23860	79.964	0.27363	0.12652	25	3.43	1%	0
005.02	Ash, LECO (%)	0610	80.800	0.00000			0.00000	1			
005.03	Ash, Microwave furnace (%)	0951	80.805	0.19000			0.19000	1			
005.05	Ash, 3h @ 550°C (%)	0908	79.405	0.01000	80.133	0.52076	0.03205	13	-1.40	0%	0
005.05	Ash, 3h @ 550°C (%)	0891	79.524	0.02660	80.133	0.52076	0.03205	13	-1.17	0%	0
005.05	Ash, 3h @ 550°C (%)	0900	79.690	0.02000	80.133	0.52076	0.03205	13	-0.85	0%	0
005.05	Ash, 3h @ 550°C (%)	0935	79.800	0.02000	80.133	0.52076	0.03205	13	-0.64	0%	0
005.05	Ash, 3h @ 550°C (%)	0893	79.890	0.02000	80.133	0.52076	0.03205	13	-0.47	0%	0
005.05	Ash, 3h @ 550°C (%)	0899	79.980	0.02000	80.133	0.52076	0.03205	13	-0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0695	80.295	0.13000	80.133	0.52076	0.03205	13	0.31	0%	0
005.05	Ash, 3h @ 550°C (%)	0886	80.320	0.04000	80.133	0.52076	0.03205	13	0.36	0%	0
005.05	Ash, 3h @ 550°C (%)	0903	80.330	0.02000	80.133	0.52076	0.03205	13	0.38	0%	0
005.05	Ash, 3h @ 550°C (%)	0936	80.350	0.02000	80.133	0.52076	0.03205	13	0.42	0%	0
005.05	Ash, 3h @ 550°C (%)	0898	80.490	0.02000	80.133	0.52076	0.03205	13	0.69	0%	0
005.05	Ash, 3h @ 550°C (%)	0938	80.810	0.02000	80.133	0.52076	0.03205	13	1.30	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	80.845	0.05000	80.133	0.52076	0.03205	13	1.37	0%	0
005.05	Ash, 3h @ 550°C (%)	0879	79.025	1.8900	80.133	0.52076	0.03205	13	-2.13	1%	1
005.99	Ash, Miscellaneous (%)	2004	80.300	0.00000	80.551	0.35461	0.29750	2	-0.71	0%	0
005.99	Ash, Miscellaneous (%)	0676	80.802	0.59500	80.551	0.35461	0.29750	2	0.71	0%	0
006.99	Total sugars, Miscellaneous (%)	0670	0.08500	0.01000			0.01000	1			
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	0.27000	0.02000	0.36000	0.09539	0.08000	3	-0.94	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	0.35000	0.10000	0.36000	0.09539	0.08000	3	-0.10	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	0.46000	0.12000	0.36000	0.09539	0.08000	3	1.05	14%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	0.20000	0.00000	0.99000	1.0489	0.11333	3	-0.75	40%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	0.59000	0.02000	0.99000	1.0489	0.11333	3	-0.38	20%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	2.1800	0.32000	0.99000	1.0489	0.11333	3	1.13	60%	0
010.03	Moisture, Karl-Fischer (%)	0843	4.2800	0.24000			0.24000	1			
010.11	Moisture, NIR (%)	0168	3.7800	0.44000			0.44000	1			
010.99	Moisture, Miscellaneous (%)	0951	3.2000	0.02000	3.2953	0.09141	0.04275	6	-1.04	1%	0
010.99	Moisture, Miscellaneous (%)	0722	3.2404	0.01050	3.2953	0.09141	0.04275	6	-0.60	1%	0
010.99	Moisture, Miscellaneous (%)	0939	3.2550	0.09000	3.2953	0.09141	0.04275	6	-0.44	1%	0
010.99	Moisture, Miscellaneous (%)	0866	3.2920	0.03600	3.2953	0.09141	0.04275	6	-0.04	0%	0
010.99	Moisture, Miscellaneous (%)	0904	3.5300	0.02000	3.2953	0.09141	0.04275	6	2.57	4%	0
010.99	Moisture, Miscellaneous (%)	0879	4.6200	0.08000	3.2953	0.09141	0.04275	6	14.49	20%	0

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011.01	Loss on Drying, 135 °C 2hr (%)	0552	3.0850	0.05000	5.9125	0.83322	0.18656	17	-3.39	24%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0226	3.6000	0.60000	5.9125	0.83322	0.18656	17	-2.78	20%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0674	5.0750	0.27000	5.9125	0.83322	0.18656	17	-1.01	7%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0358	5.3700	0.14000	5.9125	0.83322	0.18656	17	-0.65	5%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0722	5.4484	0.03960	5.9125	0.83322	0.18656	17	-0.56	4%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0294	5.5500	0.10000	5.9125	0.83322	0.18656	17	-0.44	3%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0843	5.6100	0.04000	5.9125	0.83322	0.18656	17	-0.36	3%	0
011.01	Loss on Drying, 135 °C 2hr (%)	2006	5.7950	0.41000	5.9125	0.83322	0.18656	17	-0.14	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0520	5.9300	0.16000	5.9125	0.83322	0.18656	17	0.02	0%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0596	5.9800	0.18000	5.9125	0.83322	0.18656	17	0.08	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0138	6.1940	0.11200	5.9125	0.83322	0.18656	17	0.34	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0650	6.3300	0.40000	5.9125	0.83322	0.18656	17	0.50	4%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0541	6.5700	0.14000	5.9125	0.83322	0.18656	17	0.79	6%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0407	6.6200	0.00000	5.9125	0.83322	0.18656	17	0.85	6%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0265	6.7500	0.10000	5.9125	0.83322	0.18656	17	1.01	7%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0670	6.7600	0.32000	5.9125	0.83322	0.18656	17	1.02	7%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0589	7.2350	0.11000	5.9125	0.83322	0.18656	17	1.59	11%	0
011.02	Loss on drying, 130°C for 2 hours (%)	0942	4.8100	0.02000			0.02000	1			
011.99	Loss on Drying, High Temp. Methods Miscellaneo	0541	7.1800	0.96000			0.96000	1			
012.03	Starch, Enzymatic (%)	0297	0.26500	0.25000			0.25000	1			
012.04	Starch, YSI Analyzer (%)	0278	0.10000	0.00000			0.00000	1			
013.02	Fat, Mojonnier, Bak Ext (%)	0337	0.18000	0.06000	0.81833	0.78868	0.33667	3	-0.81	39%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	0.57500	0.01000	0.81833	0.78868	0.33667	3	-0.31	15%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0843	1.7000	0.94000	0.81833	0.78868	0.33667	3	1.12	54%	0
015.41	Aluminum, ICP, Dry ash (ppm)	0049	10,198	31.300	10,454	361.86	445.65	2	-0.71	1%	0
015.41	Aluminum, ICP, Dry ash (ppm)	0520	10,710	860.00	10,454	361.86	445.65	2	0.71	1%	0
015.42	Aluminum, ICP, Open vessel (ppm)	0021	9,665.0	310.00	10,792	1,415.4	138.33	3	-0.80	5%	0
015.42	Aluminum, ICP, Open vessel (ppm)	0171	10,330	60.000	10,792	1,415.4	138.33	3	-0.33	2%	0
015.42	Aluminum, ICP, Open vessel (ppm)	0915	12,381	45.000	10,792	1,415.4	138.33	3	1.12	7%	0
015.43	Aluminum, ICP, Microwave (ppm)	0510	9,119.5	25.000	10,492	1,262.8	125.00	3	-1.09	7%	0
015.43	Aluminum, ICP, Microwave (ppm)	0169	10,750	100.00	10,492	1,262.8	125.00	3	0.20	1%	0
015.43	Aluminum, ICP, Microwave (ppm)	0353	11,605	250.00	10,492	1,262.8	125.00	3	0.88	5%	0
015.52	Aluminum, ICP-MS, Open vessel (ppm)	0154	6,971.0	83.310			83.310	1			
017.41	Boron, ICP, Dry ash (ppm)	0358	15.520	0.94000	29.700	20.054	0.82000	2	-0.71	24%	0
017.41	Boron, ICP, Dry ash (ppm)	0049	43.880	0.70000	29.700	20.054	0.82000	2	0.71	24%	0
017.42	Boron, ICP, Open vessel (ppm)	0021	25.800	5.2000	112.52	149.72	6.9000	3	-0.58	39%	0
017.42	Boron, ICP, Open vessel (ppm)	0693	26.350	5.5000	112.52	149.72	6.9000	3	-0.58	38%	0
017.42	Boron, ICP, Open vessel (ppm)	0915	285.40	10.000	112.52	149.72	6.9000	3	1.15	77%	0
017.43	Boron, ICP, Microwave (ppm)	0510	74.000	0.00000	84.900	14.797	1.2867	3	-0.74	6%	0
017.43	Boron, ICP, Microwave (ppm)	0353	78.955	2.6500	84.900	14.797	1.2867	3	-0.40	4%	0
017.43	Boron, ICP, Microwave (ppm)	0294	101.75	1.2100	84.900	14.797	1.2867	3	1.14	10%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0944	14.340	0.06000	15.444	0.45666	0.06806	34	-2.42	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
019.00	Calcium, Ox-Mn04 Vol. (%)	0935	14.705	0.01000	15.444	0.45666	0.06806	34	-1.62	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	14.719	0.03520	15.444	0.45666	0.06806	34	-1.59	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	14.999	0.12160	15.444	0.45666	0.06806	34	-0.97	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0898	15.010	0.02000	15.444	0.45666	0.06806	34	-0.95	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0948	15.070	0.08000	15.444	0.45666	0.06806	34	-0.82	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2002	15.085	0.03000	15.444	0.45666	0.06806	34	-0.79	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	15.090	0.00000	15.444	0.45666	0.06806	34	-0.77	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0552	15.135	0.27000	15.444	0.45666	0.06806	34	-0.68	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0936	15.180	0.02000	15.444	0.45666	0.06806	34	-0.58	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	15.196	0.14100	15.444	0.45666	0.06806	34	-0.54	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	15.255	0.09000	15.444	0.45666	0.06806	34	-0.41	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	15.314	0.25650	15.444	0.45666	0.06806	34	-0.28	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0886	15.320	0.02000	15.444	0.45666	0.06806	34	-0.27	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	15.325	0.05000	15.444	0.45666	0.06806	34	-0.26	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0903	15.355	0.01000	15.444	0.45666	0.06806	34	-0.19	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0934	15.360	0.06000	15.444	0.45666	0.06806	34	-0.18	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0716	15.375	0.07000	15.444	0.45666	0.06806	34	-0.15	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	15.400	0.20000	15.444	0.45666	0.06806	34	-0.10	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0900	15.410	0.02000	15.444	0.45666	0.06806	34	-0.07	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0908	15.470	0.00000	15.444	0.45666	0.06806	34	0.06	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0899	15.490	0.02000	15.444	0.45666	0.06806	34	0.10	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	15.565	0.13000	15.444	0.45666	0.06806	34	0.27	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0563	15.852	0.01190	15.444	0.45666	0.06806	34	0.89	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0894	15.870	0.10000	15.444	0.45666	0.06806	34	0.93	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0950	15.870	0.06000	15.444	0.45666	0.06806	34	0.93	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0868	15.900	0.04000	15.444	0.45666	0.06806	34	1.00	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0938	15.910	0.00000	15.444	0.45666	0.06806	34	1.02	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0893	15.935	0.01000	15.444	0.45666	0.06806	34	1.08	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0175	16.100	0.00000	15.444	0.45666	0.06806	34	1.44	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0891	16.150	0.06800	15.444	0.45666	0.06806	34	1.55	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0939	16.245	0.07000	15.444	0.45666	0.06806	34	1.76	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	16.320	0.14000	15.444	0.45666	0.06806	34	1.92	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0194	17.450	0.10000	15.444	0.45666	0.06806	34	4.39	6%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0656	16.315	0.79000	15.444	0.45666	0.06806	34	1.91	3%	1
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	19.560	0.68000	15.444	0.45666	0.06806	34	9.01	13%	1
019.02	Calcium, Hach Method (%)	0650	12.285	0.25000			0.25000	1			
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0686	14.440	0.08000	15.188	0.68687	0.12783	3	-1.09	2%	0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0033	15.335	0.28000	15.188	0.68687	0.12783	3	0.21	0%	0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	15.790	0.02350	15.188	0.68687	0.12783	3	0.88	2%	0
019.08	Calcium, EDTA (%)	0138	11.434	0.29200	15.038	1.0433	0.16830	10	-3.45	12%	0
019.08	Calcium, EDTA (%)	0629	12.805	0.01000	15.038	1.0433	0.16830	10	-2.14	7%	0
019.08	Calcium, EDTA (%)	0940	14.130	0.20000	15.038	1.0433	0.16830	10	-0.87	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.08	Calcium, EDTA (%)	0689	14.690	0.02000	15.038	1.0433	0.16830	10	-0.33	1%	0
019.08	Calcium, EDTA (%)	0607	15.155	0.15370	15.038	1.0433	0.16830	10	0.11	0%	0
019.08	Calcium, EDTA (%)	0590	15.200	0.36000	15.038	1.0433	0.16830	10	0.16	1%	0
019.08	Calcium, EDTA (%)	0879	15.720	0.42000	15.038	1.0433	0.16830	10	0.65	2%	0
019.08	Calcium, EDTA (%)	0885	15.760	0.04000	15.038	1.0433	0.16830	10	0.69	2%	0
019.08	Calcium, EDTA (%)	0920	15.870	0.04000	15.038	1.0433	0.16830	10	0.80	3%	0
019.08	Calcium, EDTA (%)	2009	16.335	0.14730	15.038	1.0433	0.16830	10	1.24	4%	0
019.31	Calcium, AAS, Dry ash (%)	0670	10.647	0.05900	15.339	0.59681	0.21654	21	-7.86	15%	0
019.31	Calcium, AAS, Dry ash (%)	0142	10.900	1.2000	15.339	0.59681	0.21654	21	-7.44	14%	0
019.31	Calcium, AAS, Dry ash (%)	0674	12.650	0.26000	15.339	0.59681	0.21654	21	-4.51	9%	0
019.31	Calcium, AAS, Dry ash (%)	0305	14.285	0.25000	15.339	0.59681	0.21654	21	-1.77	3%	0
019.31	Calcium, AAS, Dry ash (%)	0001	15.005	0.15000	15.339	0.59681	0.21654	21	-0.56	1%	0
019.31	Calcium, AAS, Dry ash (%)	0884	15.040	0.46000	15.339	0.59681	0.21654	21	-0.50	1%	0
019.31	Calcium, AAS, Dry ash (%)	0948	15.045	0.05000	15.339	0.59681	0.21654	21	-0.49	1%	0
019.31	Calcium, AAS, Dry ash (%)	0866	15.110	0.21840	15.339	0.59681	0.21654	21	-0.38	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	15.150	0.10000	15.339	0.59681	0.21654	21	-0.32	1%	0
019.31	Calcium, AAS, Dry ash (%)	0638	15.150	0.30000	15.339	0.59681	0.21654	21	-0.32	1%	0
019.31	Calcium, AAS, Dry ash (%)	0505	15.305	0.05000	15.339	0.59681	0.21654	21	-0.06	0%	0
019.31	Calcium, AAS, Dry ash (%)	0354	15.370	0.04000	15.339	0.59681	0.21654	21	0.05	0%	0
019.31	Calcium, AAS, Dry ash (%)	0868	15.450	0.10000	15.339	0.59681	0.21654	21	0.19	0%	0
019.31	Calcium, AAS, Dry ash (%)	0723	15.625	0.05000	15.339	0.59681	0.21654	21	0.48	1%	0
019.31	Calcium, AAS, Dry ash (%)	0596	15.635	0.07000	15.339	0.59681	0.21654	21	0.50	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	15.840	0.14000	15.339	0.59681	0.21654	21	0.84	2%	0
019.31	Calcium, AAS, Dry ash (%)	2001	15.950	0.06000	15.339	0.59681	0.21654	21	1.02	2%	0
019.31	Calcium, AAS, Dry ash (%)	0178	16.095	0.09000	15.339	0.59681	0.21654	21	1.27	2%	0
019.31	Calcium, AAS, Dry ash (%)	0669	16.145	0.73000	15.339	0.59681	0.21654	21	1.35	3%	0
019.31	Calcium, AAS, Dry ash (%)	0536	16.185	0.07000	15.339	0.59681	0.21654	21	1.42	3%	0
019.31	Calcium, AAS, Dry ash (%)	0152	17.150	0.10000	15.339	0.59681	0.21654	21	3.03	6%	0
019.31	Calcium, AAS, Dry ash (%)	0921	16.045	1.3100	15.339	0.59681	0.21654	21	1.18	2%	1
019.32	Calcium, AAS, Open vessel (%)	0169	14.730	0.08000	15.420	0.72353	0.04625	8	-0.95	2%	0
019.32	Calcium, AAS, Open vessel (%)	0013	14.800	0.00000	15.420	0.72353	0.04625	8	-0.86	2%	0
019.32	Calcium, AAS, Open vessel (%)	0035	14.920	0.02000	15.420	0.72353	0.04625	8	-0.69	2%	0
019.32	Calcium, AAS, Open vessel (%)	0722	15.096	0.00510	15.420	0.72353	0.04625	8	-0.45	1%	0
019.32	Calcium, AAS, Open vessel (%)	0612	15.500	0.06000	15.420	0.72353	0.04625	8	0.11	0%	0
019.32	Calcium, AAS, Open vessel (%)	0263	15.885	0.11610	15.420	0.72353	0.04625	8	0.64	2%	0
019.32	Calcium, AAS, Open vessel (%)	0036	15.950	0.00880	15.420	0.72353	0.04625	8	0.73	2%	0
019.32	Calcium, AAS, Open vessel (%)	0609	16.930	0.08000	15.420	0.72353	0.04625	8	2.09	5%	0
019.33	Calcium, AAS, Microwave (%)	0033	15.068	0.26500	15.598	0.80820	0.14240	5	-0.66	2%	0
019.33	Calcium, AAS, Microwave (%)	0039	15.124	0.04700	15.598	0.80820	0.14240	5	-0.59	2%	0
019.33	Calcium, AAS, Microwave (%)	0948	15.135	0.07000	15.598	0.80820	0.14240	5	-0.57	1%	0
019.33	Calcium, AAS, Microwave (%)	0010	15.695	0.31000	15.598	0.80820	0.14240	5	0.12	0%	0
019.33	Calcium, AAS, Microwave (%)	0904	16.970	0.02000	15.598	0.80820	0.14240	5	1.70	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.41	Calcium, ICP, Dry ash (%)	0144	9.2750	0.13000	15.539	0.80294	0.26152	26	-7.80	20%	0
019.41	Calcium, ICP, Dry ash (%)	0051	11.527	0.58940	15.539	0.80294	0.26152	26	-5.00	13%	0
019.41	Calcium, ICP, Dry ash (%)	0358	12.650	0.58000	15.539	0.80294	0.26152	26	-3.60	9%	0
019.41	Calcium, ICP, Dry ash (%)	0300	13.517	0.01500	15.539	0.80294	0.26152	26	-2.52	7%	0
019.41	Calcium, ICP, Dry ash (%)	0019	14.160	0.38000	15.539	0.80294	0.26152	26	-1.72	4%	0
019.41	Calcium, ICP, Dry ash (%)	0100	14.780	0.22000	15.539	0.80294	0.26152	26	-0.94	2%	0
019.41	Calcium, ICP, Dry ash (%)	0003	15.050	0.10000	15.539	0.80294	0.26152	26	-0.61	2%	0
019.41	Calcium, ICP, Dry ash (%)	0644	15.200	0.00000	15.539	0.80294	0.26152	26	-0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0229	15.250	0.10000	15.539	0.80294	0.26152	26	-0.36	1%	0
019.41	Calcium, ICP, Dry ash (%)	0148	15.360	0.02000	15.539	0.80294	0.26152	26	-0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	15.385	0.07000	15.539	0.80294	0.26152	26	-0.19	0%	0
019.41	Calcium, ICP, Dry ash (%)	0512	15.560	0.34000	15.539	0.80294	0.26152	26	0.03	0%	0
019.41	Calcium, ICP, Dry ash (%)	0910	15.595	0.55000	15.539	0.80294	0.26152	26	0.07	0%	0
019.41	Calcium, ICP, Dry ash (%)	0083	15.725	0.07000	15.539	0.80294	0.26152	26	0.23	1%	0
019.41	Calcium, ICP, Dry ash (%)	0695	15.730	0.22000	15.539	0.80294	0.26152	26	0.24	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	15.740	0.62000	15.539	0.80294	0.26152	26	0.25	1%	0
019.41	Calcium, ICP, Dry ash (%)	0011	15.767	0.06820	15.539	0.80294	0.26152	26	0.29	1%	0
019.41	Calcium, ICP, Dry ash (%)	0682	15.855	0.07000	15.539	0.80294	0.26152	26	0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	0004	16.136	0.15100	15.539	0.80294	0.26152	26	0.74	2%	0
019.41	Calcium, ICP, Dry ash (%)	0610	16.150	0.10000	15.539	0.80294	0.26152	26	0.76	2%	0
019.41	Calcium, ICP, Dry ash (%)	0520	16.250	0.90000	15.539	0.80294	0.26152	26	0.89	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	16.280	0.06000	15.539	0.80294	0.26152	26	0.92	2%	0
019.41	Calcium, ICP, Dry ash (%)	0598	16.335	0.17000	15.539	0.80294	0.26152	26	0.99	3%	0
019.41	Calcium, ICP, Dry ash (%)	0049	16.360	0.86000	15.539	0.80294	0.26152	26	1.02	3%	0
019.41	Calcium, ICP, Dry ash (%)	0350	16.500	0.21600	15.539	0.80294	0.26152	26	1.20	3%	0
019.41	Calcium, ICP, Dry ash (%)	0955	16.700	0.20000	15.539	0.80294	0.26152	26	1.45	4%	0
019.42	Calcium, ICP, Open vessel (%)	0205	12.400	0.40000	15.817	0.59664	0.32533	22	-5.73	11%	0
019.42	Calcium, ICP, Open vessel (%)	0692	14.650	0.10000	15.817	0.59664	0.32533	22	-1.96	4%	0
019.42	Calcium, ICP, Open vessel (%)	0693	14.700	0.40000	15.817	0.59664	0.32533	22	-1.87	4%	0
019.42	Calcium, ICP, Open vessel (%)	0021	14.800	0.80000	15.817	0.59664	0.32533	22	-1.70	3%	0
019.42	Calcium, ICP, Open vessel (%)	0035	14.810	0.00000	15.817	0.59664	0.32533	22	-1.69	3%	0
019.42	Calcium, ICP, Open vessel (%)	0278	15.280	0.38000	15.817	0.59664	0.32533	22	-0.90	2%	0
019.42	Calcium, ICP, Open vessel (%)	0026	15.490	0.40000	15.817	0.59664	0.32533	22	-0.55	1%	0
019.42	Calcium, ICP, Open vessel (%)	0045	15.500	0.20000	15.817	0.59664	0.32533	22	-0.53	1%	0
019.42	Calcium, ICP, Open vessel (%)	0171	15.575	0.25000	15.817	0.59664	0.32533	22	-0.40	1%	0
019.42	Calcium, ICP, Open vessel (%)	0190	15.815	0.11000	15.817	0.59664	0.32533	22	0.00	0%	0
019.42	Calcium, ICP, Open vessel (%)	0098	15.950	0.30000	15.817	0.59664	0.32533	22	0.22	0%	0
019.42	Calcium, ICP, Open vessel (%)	0413	16.000	0.60000	15.817	0.59664	0.32533	22	0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0560	16.002	0.93720	15.817	0.59664	0.32533	22	0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0357	16.030	0.10000	15.817	0.59664	0.32533	22	0.36	1%	0
019.42	Calcium, ICP, Open vessel (%)	0009	16.100	1.0600	15.817	0.59664	0.32533	22	0.48	1%	0
019.42	Calcium, ICP, Open vessel (%)	0202	16.105	0.23000	15.817	0.59664	0.32533	22	0.48	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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019.42	Calcium, ICP, Open vessel (%)	0187	16.185	0.25000	15.817	0.59664	0.32533	22	0.62	1%	0
019.42	Calcium, ICP, Open vessel (%)	0915	16.245	0.01000	15.817	0.59664	0.32533	22	0.72	1%	0
019.42	Calcium, ICP, Open vessel (%)	0029	16.350	0.32000	15.817	0.59664	0.32533	22	0.89	2%	0
019.42	Calcium, ICP, Open vessel (%)	0106	16.350	0.10000	15.817	0.59664	0.32533	22	0.89	2%	0
019.42	Calcium, ICP, Open vessel (%)	0366	16.900	0.20000	15.817	0.59664	0.32533	22	1.82	3%	0
019.42	Calcium, ICP, Open vessel (%)	0726	17.105	0.01000	15.817	0.59664	0.32533	22	2.16	4%	0
019.43	Calcium, ICP, Microwave (%)	0353	12.780	0.30000	15.126	0.98272	0.24493	15	-2.39	8%	0
019.43	Calcium, ICP, Microwave (%)	0032	13.013	0.46300	15.126	0.98272	0.24493	15	-2.15	7%	0
019.43	Calcium, ICP, Microwave (%)	0028	14.295	0.19000	15.126	0.98272	0.24493	15	-0.85	3%	0
019.43	Calcium, ICP, Microwave (%)	0043	14.490	0.16000	15.126	0.98272	0.24493	15	-0.65	2%	0
019.43	Calcium, ICP, Microwave (%)	0510	14.830	0.04000	15.126	0.98272	0.24493	15	-0.30	1%	0
019.43	Calcium, ICP, Microwave (%)	0008	14.900	0.20000	15.126	0.98272	0.24493	15	-0.23	1%	0
019.43	Calcium, ICP, Microwave (%)	0675	14.985	0.15000	15.126	0.98272	0.24493	15	-0.14	0%	0
019.43	Calcium, ICP, Microwave (%)	0297	15.000	0.08000	15.126	0.98272	0.24493	15	-0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	0918	15.385	0.03000	15.126	0.98272	0.24493	15	0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	0168	15.481	0.71300	15.126	0.98272	0.24493	15	0.36	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	15.620	0.29900	15.126	0.98272	0.24493	15	0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	0121	15.739	0.31900	15.126	0.98272	0.24493	15	0.62	2%	0
019.43	Calcium, ICP, Microwave (%)	0619	16.100	0.20000	15.126	0.98272	0.24493	15	0.99	3%	0
019.43	Calcium, ICP, Microwave (%)	0294	16.555	0.03000	15.126	0.98272	0.24493	15	1.45	5%	0
019.43	Calcium, ICP, Microwave (%)	0553	16.650	0.50000	15.126	0.98272	0.24493	15	1.55	5%	0
019.43	Calcium, ICP, Microwave (%)	0042	18.150	1.3000	15.126	0.98272	0.24493	15	3.08	10%	1
019.44	Calcium, ICP, Dry ash (%)	0647	16.795	0.09000			0.09000	1			
019.52	Calcium, ICP-MS, Open vessel (%)	0154	10.616	0.18360	13.408	3.9487	0.49180	2	-0.71	10%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	16.200	0.80000	13.408	3.9487	0.49180	2	0.71	10%	0
019.53	Calcium, ICP-MS, Microwave (%)	0572	15.750	1.7000	15.775	0.03536	0.85000	2	-0.71	0%	0
019.53	Calcium, ICP-MS, Microwave (%)	0199	15.800	0.00000	15.775	0.03536	0.85000	2	0.71	0%	0
019.99	Calcium, Miscellaneous (%)	0676	14.673	0.59500	15.128	0.63380	0.35563	3	-0.72	2%	0
019.99	Calcium, Miscellaneous (%)	0337	14.860	0.46000	15.128	0.63380	0.35563	3	-0.42	1%	0
019.99	Calcium, Miscellaneous (%)	0563	15.852	0.01190	15.128	0.63380	0.35563	3	1.14	2%	0
021.03	Cobalt, DCP (ppm)	0938	0.09450	0.00100			0.00100	1			
021.33	Cobalt, AAS, Microwave (ppm)	0610	3.9250	0.03000			0.03000	1			
021.41	Cobalt, ICP, Dry ash (ppm)	0955	2.0950	0.37000	3.1390	1.4764	0.18600	2	-0.71	17%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0011	4.1830	0.00200	3.1390	1.4764	0.18600	2	0.71	17%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0171	3.2000	0.20000	3.5863	0.48777	0.11250	4	-0.79	5%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0693	3.3950	0.13000	3.5863	0.48777	0.11250	4	-0.39	3%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0029	3.4500	0.12000	3.5863	0.48777	0.11250	4	-0.28	2%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0021	4.3000	0.00000	3.5863	0.48777	0.11250	4	1.46	10%	0
021.43	Cobalt, ICP, Microwave (ppm)	0043	0.00000	0.00000	2.4650	1.8915	0.01500	4	-1.30	50%	0
021.43	Cobalt, ICP, Microwave (ppm)	0619	2.0850	0.05000	2.4650	1.8915	0.01500	4	-0.20	8%	0
021.43	Cobalt, ICP, Microwave (ppm)	0169	3.4050	0.01000	2.4650	1.8915	0.01500	4	0.50	19%	0
021.43	Cobalt, ICP, Microwave (ppm)	0510	4.3700	0.00000	2.4650	1.8915	0.01500	4	1.01	39%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0154	2.4465	0.55900			0.55900	1			
022.31	Copper, AAS, Dry ash (ppm)	0939	2.1000	0.46000	10.564	14.299	2.2675	4	-0.59	40%	0
022.31	Copper, AAS, Dry ash (ppm)	0354	2.6850	0.01000	10.564	14.299	2.2675	4	-0.55	37%	0
022.31	Copper, AAS, Dry ash (ppm)	0305	5.5800	0.06000	10.564	14.299	2.2675	4	-0.35	24%	0
022.31	Copper, AAS, Dry ash (ppm)	0674	31.890	8.5400	10.564	14.299	2.2675	4	1.49	101%	0
022.32	Copper, AAS, Open vessel (ppm)	0656	3.3800	0.34000			0.34000	1			
022.41	Copper, ICP, Dry ash (ppm)	0520	0.95000	1.9000	3.8887	1.5481	1.1464	14	-1.90	38%	0
022.41	Copper, ICP, Dry ash (ppm)	0100	2.0000	0.00000	3.8887	1.5481	1.1464	14	-1.22	24%	0
022.41	Copper, ICP, Dry ash (ppm)	0074	2.5000	1.0000	3.8887	1.5481	1.1464	14	-0.90	18%	0
022.41	Copper, ICP, Dry ash (ppm)	0955	2.9050	0.37000	3.8887	1.5481	1.1464	14	-0.64	13%	0
022.41	Copper, ICP, Dry ash (ppm)	0049	3.0300	0.04000	3.8887	1.5481	1.1464	14	-0.55	11%	0
022.41	Copper, ICP, Dry ash (ppm)	0358	3.9400	0.28000	3.8887	1.5481	1.1464	14	0.03	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0083	4.0000	2.0000	3.8887	1.5481	1.1464	14	0.07	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0350	4.0000	0.00000	3.8887	1.5481	1.1464	14	0.07	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0910	4.0000	0.00000	3.8887	1.5481	1.1464	14	0.07	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0682	4.1050	2.7300	3.8887	1.5481	1.1464	14	0.14	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0610	4.7700	0.36000	3.8887	1.5481	1.1464	14	0.57	11%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	5.0000	2.0000	3.8887	1.5481	1.1464	14	0.72	14%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	8.8350	2.2700	3.8887	1.5481	1.1464	14	3.20	64%	0
022.41	Copper, ICP, Dry ash (ppm)	0051	11.430	3.1000	3.8887	1.5481	1.1464	14	4.87	97%	0
022.42	Copper, ICP, Open vessel (ppm)	0098	0.00000	0.00000	1.8644	1.3762	0.80444	9	-1.35	50%	0
022.42	Copper, ICP, Open vessel (ppm)	0265	0.00000	0.00000	1.8644	1.3762	0.80444	9	-1.35	50%	0
022.42	Copper, ICP, Open vessel (ppm)	0693	1.1800	0.04000	1.8644	1.3762	0.80444	9	-0.50	18%	0
022.42	Copper, ICP, Open vessel (ppm)	0021	1.5500	1.7000	1.8644	1.3762	0.80444	9	-0.23	8%	0
022.42	Copper, ICP, Open vessel (ppm)	0045	1.9200	0.90000	1.8644	1.3762	0.80444	9	0.04	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0357	2.0000	2.0000	1.8644	1.3762	0.80444	9	0.10	4%	0
022.42	Copper, ICP, Open vessel (ppm)	0278	2.4500	0.30000	1.8644	1.3762	0.80444	9	0.43	16%	0
022.42	Copper, ICP, Open vessel (ppm)	0692	4.0000	2.2000	1.8644	1.3762	0.80444	9	1.55	57%	0
022.42	Copper, ICP, Open vessel (ppm)	0171	4.4500	0.10000	1.8644	1.3762	0.80444	9	1.88	69%	0
022.42	Copper, ICP, Open vessel (ppm)	0915	15.150	7.5000	1.8644	1.3762	0.80444	9	9.65	356%	1
022.43	Copper, ICP, Microwave (ppm)	0043	0.00000	0.00000	2.1593	2.0270	0.06429	7	-1.07	50%	0
022.43	Copper, ICP, Microwave (ppm)	0294	0.47000	0.00000	2.1593	2.0270	0.06429	7	-0.83	39%	0
022.43	Copper, ICP, Microwave (ppm)	0918	1.1300	0.20000	2.1593	2.0270	0.06429	7	-0.51	24%	0
022.43	Copper, ICP, Microwave (ppm)	0619	2.0150	0.21000	2.1593	2.0270	0.06429	7	-0.07	3%	0
022.43	Copper, ICP, Microwave (ppm)	0297	3.0000	0.00000	2.1593	2.0270	0.06429	7	0.41	19%	0
022.43	Copper, ICP, Microwave (ppm)	0169	3.5000	0.04000	2.1593	2.0270	0.06429	7	0.66	31%	0
022.43	Copper, ICP, Microwave (ppm)	0510	5.0000	0.00000	2.1593	2.0270	0.06429	7	1.40	66%	0
022.43	Copper, ICP, Microwave (ppm)	0353	9.6550	0.71000	2.1593	2.0270	0.06429	7	3.70	174%	1
022.52	Copper, ICP-MS, Open vessel (ppm)	0154	0.91550	0.04900			0.04900	1			
022.53	Copper, ICP-MS, Microwave (ppm)	0199	1.6500	0.10000	2.4750	1.1667	0.17000	2	-0.71	17%	0
022.53	Copper, ICP-MS, Microwave (ppm)	0572	3.3000	0.24000	2.4750	1.1667	0.17000	2	0.71	17%	0
023.01	Fluorine, Ion Sel Elect (%)	0644	0.07100	0.00000	0.15019	0.04627	0.00208	17	-1.71	26%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
023.01	Fluorine, Ion Sel Elect (%)	0596	0.07330	0.00020	0.15019	0.04627	0.00208	17	-1.66	26%	0
023.01	Fluorine, Ion Sel Elect (%)	2002	0.08500	0.01000	0.15019	0.04627	0.00208	17	-1.41	22%	0
023.01	Fluorine, Ion Sel Elect (%)	0893	0.10000	0.00000	0.15019	0.04627	0.00208	17	-1.08	17%	0
023.01	Fluorine, Ion Sel Elect (%)	0935	0.12000	0.00000	0.15019	0.04627	0.00208	17	-0.65	10%	0
023.01	Fluorine, Ion Sel Elect (%)	0894	0.14170	0.00100	0.15019	0.04627	0.00208	17	-0.18	3%	0
023.01	Fluorine, Ion Sel Elect (%)	0937	0.15000	0.00000	0.15019	0.04627	0.00208	17	0.00	0%	0
023.01	Fluorine, Ion Sel Elect (%)	0171	0.15300	0.00600	0.15019	0.04627	0.00208	17	0.06	1%	0
023.01	Fluorine, Ion Sel Elect (%)	0936	0.15315	0.00070	0.15019	0.04627	0.00208	17	0.06	1%	0
023.01	Fluorine, Ion Sel Elect (%)	0898	0.15910	0.00040	0.15019	0.04627	0.00208	17	0.19	3%	0
023.01	Fluorine, Ion Sel Elect (%)	0896	0.16000	0.00000	0.15019	0.04627	0.00208	17	0.21	3%	0
023.01	Fluorine, Ion Sel Elect (%)	0897	0.17100	0.00000	0.15019	0.04627	0.00208	17	0.45	7%	0
023.01	Fluorine, Ion Sel Elect (%)	0178	0.18100	0.00060	0.15019	0.04627	0.00208	17	0.67	10%	0
023.01	Fluorine, Ion Sel Elect (%)	0868	0.18200	0.00200	0.15019	0.04627	0.00208	17	0.69	11%	0
023.01	Fluorine, Ion Sel Elect (%)	0027	0.19500	0.01000	0.15019	0.04627	0.00208	17	0.97	15%	0
023.01	Fluorine, Ion Sel Elect (%)	0886	0.20300	0.00400	0.15019	0.04627	0.00208	17	1.14	18%	0
023.01	Fluorine, Ion Sel Elect (%)	0891	0.22095	0.00050	0.15019	0.04627	0.00208	17	1.53	24%	0
023.01	Fluorine, Ion Sel Elect (%)	0944	1,590.3	26.800	0.15019	0.04627	0.00208	17	34367.87	529386%	2
023.99	Fluorine, Miscellaneous (%)	0904	0.16500	0.01000			0.01000	1			
025.31	Iron, AAS, Dry ash (ppm)	0505	1.0900	0.08000	6,127.5	4,811.1	50.773	6	-1.27	50%	0
025.31	Iron, AAS, Dry ash (ppm)	0354	1,143.3	1.7200	6,127.5	4,811.1	50.773	6	-1.04	41%	0
025.31	Iron, AAS, Dry ash (ppm)	0670	6,928.0	160.00	6,127.5	4,811.1	50.773	6	0.17	7%	0
025.31	Iron, AAS, Dry ash (ppm)	0305	7,583.3	62.840	6,127.5	4,811.1	50.773	6	0.30	12%	0
025.31	Iron, AAS, Dry ash (ppm)	0939	9,626.0	30.000	6,127.5	4,811.1	50.773	6	0.73	29%	0
025.31	Iron, AAS, Dry ash (ppm)	0868	10,735	50.000	6,127.5	4,811.1	50.773	6	0.96	38%	0
025.31	Iron, AAS, Dry ash (ppm)	0689	11,099	425.50	6,127.5	4,811.1	50.773	6	1.03	41%	1
025.32	Iron, AAS, Open vessel (ppm)	0337	10,813	55.520	11,359	771.86	349.99	2	-0.71	2%	0
025.32	Iron, AAS, Open vessel (ppm)	0656	11,904	644.46	11,359	771.86	349.99	2	0.71	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0358	9,223.7	21.180	10,793	926.45	184.99	17	-1.69	7%	0
025.41	Iron, ICP, Dry ash (ppm)	0955	9,504.5	1,005.0	10,793	926.45	184.99	17	-1.39	6%	0
025.41	Iron, ICP, Dry ash (ppm)	0300	9,855.8	268.29	10,793	926.45	184.99	17	-1.01	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0051	9,913.5	97.000	10,793	926.45	184.99	17	-0.95	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0610	10,073	77.000	10,793	926.45	184.99	17	-0.78	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0682	10,305	229.30	10,793	926.45	184.99	17	-0.53	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	10,664	30.000	10,793	926.45	184.99	17	-0.14	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0520	10,675	810.00	10,793	926.45	184.99	17	-0.13	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0100	10,864	92.000	10,793	926.45	184.99	17	0.08	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0049	10,931	54.000	10,793	926.45	184.99	17	0.15	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0598	11,040	80.000	10,793	926.45	184.99	17	0.27	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0350	11,227	29.000	10,793	926.45	184.99	17	0.47	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	11,400	0.00000	10,793	926.45	184.99	17	0.66	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0083	11,440	20.000	10,793	926.45	184.99	17	0.70	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0229	11,775	50.000	10,793	926.45	184.99	17	1.06	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
025.41	Iron, ICP, Dry ash (ppm)	0910	12,000	0.00000	10,793	926.45	184.99	17	1.30	6%	0
025.41	Iron, ICP, Dry ash (ppm)	0011	12,510	282.00	10,793	926.45	184.99	17	1.85	8%	0
025.41	Iron, ICP, Dry ash (ppm)	0226	10,561	1,679.0	10,793	926.45	184.99	17	-0.25	1%	1
025.42	Iron, ICP, Open vessel (ppm)	0187	6,815.3	33.910	10,705	1,419.3	493.58	12	-2.74	18%	0
025.42	Iron, ICP, Open vessel (ppm)	0045	8,545.0	370.00	10,705	1,419.3	493.58	12	-1.52	10%	0
025.42	Iron, ICP, Open vessel (ppm)	0265	9,500.5	1,043.0	10,705	1,419.3	493.58	12	-0.85	6%	0
025.42	Iron, ICP, Open vessel (ppm)	0692	9,735.0	1,330.0	10,705	1,419.3	493.58	12	-0.68	5%	0
025.42	Iron, ICP, Open vessel (ppm)	0278	9,955.0	1,190.0	10,705	1,419.3	493.58	12	-0.53	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0026	11,000	400.00	10,705	1,419.3	493.58	12	0.21	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0029	11,110	220.00	10,705	1,419.3	493.58	12	0.29	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0413	11,450	500.00	10,705	1,419.3	493.58	12	0.52	3%	0
025.42	Iron, ICP, Open vessel (ppm)	0021	11,470	380.00	10,705	1,419.3	493.58	12	0.54	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0171	11,660	20.000	10,705	1,419.3	493.58	12	0.67	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0098	11,845	150.00	10,705	1,419.3	493.58	12	0.80	5%	0
025.42	Iron, ICP, Open vessel (ppm)	0915	15,399	286.00	10,705	1,419.3	493.58	12	3.31	22%	0
025.42	Iron, ICP, Open vessel (ppm)	0693	9,015.0	2,970.0	10,705	1,419.3	493.58	12	-1.19	8%	1
025.43	Iron, ICP, Microwave (ppm)	0043	0.00000	0.00000	10,760	1,702.1	146.68	12	-6.32	50%	0
025.43	Iron, ICP, Microwave (ppm)	0168	1.1055	0.12900	10,760	1,702.1	146.68	12	-6.32	50%	0
025.43	Iron, ICP, Microwave (ppm)	0297	1,461.0	0.00000	10,760	1,702.1	146.68	12	-5.46	43%	0
025.43	Iron, ICP, Microwave (ppm)	0008	9,495.0	390.00	10,760	1,702.1	146.68	12	-0.74	6%	0
025.43	Iron, ICP, Microwave (ppm)	0510	10,200	200.00	10,760	1,702.1	146.68	12	-0.33	3%	0
025.43	Iron, ICP, Microwave (ppm)	0918	10,654	240.01	10,760	1,702.1	146.68	12	-0.06	0%	0
025.43	Iron, ICP, Microwave (ppm)	0353	11,425	90.000	10,760	1,702.1	146.68	12	0.39	3%	0
025.43	Iron, ICP, Microwave (ppm)	0169	11,800	0.00000	10,760	1,702.1	146.68	12	0.61	5%	0
025.43	Iron, ICP, Microwave (ppm)	0294	11,912	59.010	10,760	1,702.1	146.68	12	0.68	5%	0
025.43	Iron, ICP, Microwave (ppm)	0032	11,973	181.00	10,760	1,702.1	146.68	12	0.71	6%	0
025.43	Iron, ICP, Microwave (ppm)	0553	12,100	400.00	10,760	1,702.1	146.68	12	0.79	6%	0
025.43	Iron, ICP, Microwave (ppm)	0619	13,100	200.00	10,760	1,702.1	146.68	12	1.37	11%	0
025.43	Iron, ICP, Microwave (ppm)	0042	11,660	1,200.0	10,760	1,702.1	146.68	12	0.53	4%	1
025.52	Iron, ICP-MS, Open vessel (ppm)	0154	7,094.5	179.17			179.17	1			
025.53	Iron, ICP-MS, Microwave (ppm)	0199	1.2000	0.00000			0.00000	1			
027.31	Magnesium, AAS, Dry ash (%)	0354	0.09500	0.01000	0.50520	0.23047	0.02216	5	-1.78	41%	0
027.31	Magnesium, AAS, Dry ash (%)	0305	0.57000	0.02000	0.50520	0.23047	0.02216	5	0.28	6%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	0.61300	0.02200	0.50520	0.23047	0.02216	5	0.47	11%	0
027.31	Magnesium, AAS, Dry ash (%)	0505	0.61500	0.05000	0.50520	0.23047	0.02216	5	0.48	11%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.63300	0.00880	0.50520	0.23047	0.02216	5	0.55	13%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.58500	0.01000	0.61500	0.04243	0.01000	2	-0.71	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	0.64500	0.01000	0.61500	0.04243	0.01000	2	0.71	2%	0
027.33	Magnesium, AAS, Microwave (%)	0904	0.62000	0.02000			0.02000	1			
027.41	Magnesium, ICP, Dry ash (%)	0358	0.24500	0.01000	0.59068	0.03213	0.01164	16	-10.76	29%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.53500	0.01000	0.59068	0.03213	0.01164	16	-1.73	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0300	0.55550	0.04300	0.59068	0.03213	0.01164	16	-1.09	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
027.41	Magnesium, ICP, Dry ash (%)	0051	0.56725	0.01170	0.59068	0.03213	0.01164	16	-0.73	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0682	0.57500	0.01000	0.59068	0.03213	0.01164	16	-0.49	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.58380	0.00220	0.59068	0.03213	0.01164	16	-0.21	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	0.58500	0.00400	0.59068	0.03213	0.01164	16	-0.18	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.58500	0.03000	0.59068	0.03213	0.01164	16	-0.18	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.59000	0.00000	0.59068	0.03213	0.01164	16	-0.02	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	0.60000	0.02000	0.59068	0.03213	0.01164	16	0.29	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0100	0.60500	0.01000	0.59068	0.03213	0.01164	16	0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.60500	0.01000	0.59068	0.03213	0.01164	16	0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.62425	0.00530	0.59068	0.03213	0.01164	16	1.05	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0083	0.62500	0.01000	0.59068	0.03213	0.01164	16	1.07	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0350	0.63750	0.00500	0.59068	0.03213	0.01164	16	1.46	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.66450	0.00500	0.59068	0.03213	0.01164	16	2.30	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.61000	0.08000	0.59068	0.03213	0.01164	16	0.60	2%	1
027.42	Magnesium, ICP, Open vessel (%)	0693	0.38500	0.11000	0.60733	0.05326	0.02280	14	-4.17	18%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.46000	0.01400	0.60733	0.05326	0.02280	14	-2.77	12%	0
027.42	Magnesium, ICP, Open vessel (%)	0915	0.49500	0.01800	0.60733	0.05326	0.02280	14	-2.11	9%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.58000	0.06000	0.60733	0.05326	0.02280	14	-0.51	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0413	0.58500	0.01000	0.60733	0.05326	0.02280	14	-0.42	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0021	0.59500	0.01000	0.60733	0.05326	0.02280	14	-0.23	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.61000	0.00000	0.60733	0.05326	0.02280	14	0.05	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.61150	0.01700	0.60733	0.05326	0.02280	14	0.08	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0171	0.62850	0.01500	0.60733	0.05326	0.02280	14	0.40	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	0.63585	0.00410	0.60733	0.05326	0.02280	14	0.54	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.64500	0.03000	0.60733	0.05326	0.02280	14	0.71	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0098	0.65500	0.01000	0.60733	0.05326	0.02280	14	0.89	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0029	0.66645	0.01110	0.60733	0.05326	0.02280	14	1.11	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.67500	0.01000	0.60733	0.05326	0.02280	14	1.27	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.63000	0.18000	0.60733	0.05326	0.02280	14	0.43	2%	1
027.43	Magnesium, ICP, Microwave (%)	0043	0.00000	0.00000	0.58960	0.02798	0.01700	11	-21.07	50%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.55500	0.01000	0.58960	0.02798	0.01700	11	-1.24	3%	0
027.43	Magnesium, ICP, Microwave (%)	0008	0.57700	0.00600	0.58960	0.02798	0.01700	11	-0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.58000	0.00000	0.58960	0.02798	0.01700	11	-0.34	1%	0
027.43	Magnesium, ICP, Microwave (%)	0294	0.58500	0.01000	0.58960	0.02798	0.01700	11	-0.16	0%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.58500	0.03000	0.58960	0.02798	0.01700	11	-0.16	0%	0
027.43	Magnesium, ICP, Microwave (%)	0032	0.59200	0.01400	0.58960	0.02798	0.01700	11	0.09	0%	0
027.43	Magnesium, ICP, Microwave (%)	0168	0.60100	0.05800	0.58960	0.02798	0.01700	11	0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.62000	0.00000	0.58960	0.02798	0.01700	11	1.09	3%	0
027.43	Magnesium, ICP, Microwave (%)	0553	0.65000	0.04000	0.58960	0.02798	0.01700	11	2.16	5%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.67650	0.01900	0.58960	0.02798	0.01700	11	3.11	7%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.23890	0.00240			0.00240	1			
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.61200	0.05800			0.05800	1			

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.31	Manganese, AAS, Dry ash (ppm)	0305	164.56	3.0500	328.26	95.431	4.7380	5	-1.72	25%	0
028.31	Manganese, AAS, Dry ash (ppm)	0939	331.23	2.7200	328.26	95.431	4.7380	5	0.03	0%	0
028.31	Manganese, AAS, Dry ash (ppm)	0689	358.85	14.300	328.26	95.431	4.7380	5	0.32	5%	0
028.31	Manganese, AAS, Dry ash (ppm)	0868	383.00	2.0000	328.26	95.431	4.7380	5	0.57	8%	0
028.31	Manganese, AAS, Dry ash (ppm)	0354	403.68	1.6200	328.26	95.431	4.7380	5	0.79	11%	0
028.31	Manganese, AAS, Dry ash (ppm)	0536	2,844.8	182.10	328.26	95.431	4.7380	5	26.37	383%	1
028.32	Manganese, AAS, Open vessel (ppm)	0656	172.21	11.920			11.920	1			
028.41	Manganese, ICP, Dry ash (ppm)	0358	160.23	14.620	394.61	23.338	6.9429	16	-10.04	30%	0
028.41	Manganese, ICP, Dry ash (ppm)	0074	339.50	11.000	394.61	23.338	6.9429	16	-2.36	7%	0
028.41	Manganese, ICP, Dry ash (ppm)	0955	343.50	1.0000	394.61	23.338	6.9429	16	-2.19	6%	0
028.41	Manganese, ICP, Dry ash (ppm)	0100	378.00	2.0000	394.61	23.338	6.9429	16	-0.71	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0350	379.00	4.0000	394.61	23.338	6.9429	16	-0.67	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0682	394.23	3.0300	394.61	23.338	6.9429	16	-0.02	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0610	395.00	2.0000	394.61	23.338	6.9429	16	0.02	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0051	395.25	0.91000	394.61	23.338	6.9429	16	0.03	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0520	396.00	6.0000	394.61	23.338	6.9429	16	0.06	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	400.00	6.0000	394.61	23.338	6.9429	16	0.23	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0049	403.77	6.5100	394.61	23.338	6.9429	16	0.39	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0910	404.50	21.000	394.61	23.338	6.9429	16	0.42	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0083	408.00	6.0000	394.61	23.338	6.9429	16	0.57	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0300	418.51	15.817	394.61	23.338	6.9429	16	1.02	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0011	423.50	6.0000	394.61	23.338	6.9429	16	1.24	4%	0
028.41	Manganese, ICP, Dry ash (ppm)	0598	456.90	5.2000	394.61	23.338	6.9429	16	2.67	8%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	414.00	48.000	394.61	23.338	6.9429	16	0.83	2%	1
028.42	Manganese, ICP, Open vessel (ppm)	0693	262.00	60.000	396.32	35.951	19.946	15	-3.74	17%	0
028.42	Manganese, ICP, Open vessel (ppm)	0045	320.50	15.000	396.32	35.951	19.946	15	-2.11	10%	0
028.42	Manganese, ICP, Open vessel (ppm)	0171	373.00	4.0000	396.32	35.951	19.946	15	-0.65	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0265	375.00	38.000	396.32	35.951	19.946	15	-0.59	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0692	375.00	72.000	396.32	35.951	19.946	15	-0.59	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0026	384.50	29.000	396.32	35.951	19.946	15	-0.33	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0278	388.00	22.000	396.32	35.951	19.946	15	-0.23	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0009	390.25	4.2200	396.32	35.951	19.946	15	-0.17	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0187	410.77	0.17000	396.32	35.951	19.946	15	0.40	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0413	414.50	19.000	396.32	35.951	19.946	15	0.51	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0915	418.70	13.000	396.32	35.951	19.946	15	0.62	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0021	423.70	6.0000	396.32	35.951	19.946	15	0.76	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0357	426.50	1.0000	396.32	35.951	19.946	15	0.84	4%	0
028.42	Manganese, ICP, Open vessel (ppm)	0098	435.85	9.9000	396.32	35.951	19.946	15	1.10	5%	0
028.42	Manganese, ICP, Open vessel (ppm)	0029	449.35	5.9000	396.32	35.951	19.946	15	1.48	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0043	0.00000	0.00000	390.82	22.577	4.0190	10	-17.31	50%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	369.00	0.00000	390.82	22.577	4.0190	10	-0.97	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0032	380.50	7.0000	390.82	22.577	4.0190	10	-0.46	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.43	Manganese, ICP, Microwave (ppm)	0294	382.30	0.58000	390.82	22.577	4.0190	10	-0.38	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0353	386.55	6.1000	390.82	22.577	4.0190	10	-0.19	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	391.42	0.51000	390.82	22.577	4.0190	10	0.03	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0008	394.00	2.0000	390.82	22.577	4.0190	10	0.14	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0169	407.50	3.0000	390.82	22.577	4.0190	10	0.74	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0297	421.50	7.0000	390.82	22.577	4.0190	10	1.36	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	422.00	14.000	390.82	22.577	4.0190	10	1.38	4%	0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0154	280.02	4.1500			4.1500	1			
028.53	Manganese, ICP-MS, Microwave (ppm)	0199	389.00	2.0000	414.00	35.355	12.000	2	-0.71	3%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	0572	439.00	22.000	414.00	35.355	12.000	2	0.71	3%	0
031.00	Phosphorus, Vol (%)	0886	21.500	0.08000			0.08000	1			
031.01	Phosphorus, Photometric (%)	0650	13.835	0.37000	21.017	0.83091	0.16618	57	-8.64	17%	0
031.01	Phosphorus, Photometric (%)	0674	15.790	0.56000	21.017	0.83091	0.16618	57	-6.29	12%	0
031.01	Phosphorus, Photometric (%)	0337	16.975	0.61000	21.017	0.83091	0.16618	57	-4.87	10%	0
031.01	Phosphorus, Photometric (%)	0609	17.620	0.04000	21.017	0.83091	0.16618	57	-4.09	8%	0
031.01	Phosphorus, Photometric (%)	0940	18.450	0.00000	21.017	0.83091	0.16618	57	-3.09	6%	0
031.01	Phosphorus, Photometric (%)	0607	19.222	0.59600	21.017	0.83091	0.16618	57	-2.16	4%	0
031.01	Phosphorus, Photometric (%)	0921	19.500	1.0000	21.017	0.83091	0.16618	57	-1.83	4%	0
031.01	Phosphorus, Photometric (%)	0723	19.725	0.03000	21.017	0.83091	0.16618	57	-1.56	3%	0
031.01	Phosphorus, Photometric (%)	0629	20.000	0.40000	21.017	0.83091	0.16618	57	-1.22	2%	0
031.01	Phosphorus, Photometric (%)	0950	20.160	0.04000	21.017	0.83091	0.16618	57	-1.03	2%	0
031.01	Phosphorus, Photometric (%)	0683	20.325	0.13000	21.017	0.83091	0.16618	57	-0.83	2%	0
031.01	Phosphorus, Photometric (%)	0722	20.328	0.03310	21.017	0.83091	0.16618	57	-0.83	2%	0
031.01	Phosphorus, Photometric (%)	0620	20.360	0.09600	21.017	0.83091	0.16618	57	-0.79	2%	0
031.01	Phosphorus, Photometric (%)	0937	20.365	0.21000	21.017	0.83091	0.16618	57	-0.79	2%	0
031.01	Phosphorus, Photometric (%)	0939	20.480	0.12000	21.017	0.83091	0.16618	57	-0.65	1%	0
031.01	Phosphorus, Photometric (%)	0305	20.535	0.19000	21.017	0.83091	0.16618	57	-0.58	1%	0
031.01	Phosphorus, Photometric (%)	0885	20.555	0.09000	21.017	0.83091	0.16618	57	-0.56	1%	0
031.01	Phosphorus, Photometric (%)	0622	20.617	0.10380	21.017	0.83091	0.16618	57	-0.48	1%	0
031.01	Phosphorus, Photometric (%)	0651	20.724	0.19700	21.017	0.83091	0.16618	57	-0.35	1%	0
031.01	Phosphorus, Photometric (%)	0935	20.780	0.00000	21.017	0.83091	0.16618	57	-0.29	1%	0
031.01	Phosphorus, Photometric (%)	0152	20.850	0.10000	21.017	0.83091	0.16618	57	-0.20	0%	0
031.01	Phosphorus, Photometric (%)	0884	20.870	0.54000	21.017	0.83091	0.16618	57	-0.18	0%	0
031.01	Phosphorus, Photometric (%)	0263	20.893	0.10290	21.017	0.83091	0.16618	57	-0.15	0%	0
031.01	Phosphorus, Photometric (%)	0670	20.895	0.03000	21.017	0.83091	0.16618	57	-0.15	0%	0
031.01	Phosphorus, Photometric (%)	0638	20.900	0.10000	21.017	0.83091	0.16618	57	-0.14	0%	0
031.01	Phosphorus, Photometric (%)	0035	20.950	0.00000	21.017	0.83091	0.16618	57	-0.08	0%	0
031.01	Phosphorus, Photometric (%)	0563	21.020	0.06000	21.017	0.83091	0.16618	57	0.00	0%	0
031.01	Phosphorus, Photometric (%)	0036	21.042	0.01160	21.017	0.83091	0.16618	57	0.03	0%	0
031.01	Phosphorus, Photometric (%)	0175	21.100	0.20000	21.017	0.83091	0.16618	57	0.10	0%	0
031.01	Phosphorus, Photometric (%)	0908	21.125	0.05000	21.017	0.83091	0.16618	57	0.13	0%	0
031.01	Phosphorus, Photometric (%)	0897	21.190	0.02000	21.017	0.83091	0.16618	57	0.21	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.01	Phosphorus, Photometric (%)	0596	21.215	0.81000	21.017	0.83091	0.16618	57	0.24	0%	0
031.01	Phosphorus, Photometric (%)	2002	21.245	0.01000	21.017	0.83091	0.16618	57	0.27	1%	0
031.01	Phosphorus, Photometric (%)	0644	21.250	0.30000	21.017	0.83091	0.16618	57	0.28	1%	0
031.01	Phosphorus, Photometric (%)	0354	21.280	0.04000	21.017	0.83091	0.16618	57	0.32	1%	0
031.01	Phosphorus, Photometric (%)	0934	21.285	0.01000	21.017	0.83091	0.16618	57	0.32	1%	0
031.01	Phosphorus, Photometric (%)	0895	21.300	0.02000	21.017	0.83091	0.16618	57	0.34	1%	0
031.01	Phosphorus, Photometric (%)	0948	21.325	0.11000	21.017	0.83091	0.16618	57	0.37	1%	0
031.01	Phosphorus, Photometric (%)	0194	21.370	0.02000	21.017	0.83091	0.16618	57	0.42	1%	0
031.01	Phosphorus, Photometric (%)	0669	21.370	0.44000	21.017	0.83091	0.16618	57	0.42	1%	0
031.01	Phosphorus, Photometric (%)	0899	21.375	0.03000	21.017	0.83091	0.16618	57	0.43	1%	0
031.01	Phosphorus, Photometric (%)	0903	21.415	0.01000	21.017	0.83091	0.16618	57	0.48	1%	0
031.01	Phosphorus, Photometric (%)	0944	21.535	0.03000	21.017	0.83091	0.16618	57	0.62	1%	0
031.01	Phosphorus, Photometric (%)	0900	21.550	0.06000	21.017	0.83091	0.16618	57	0.64	1%	0
031.01	Phosphorus, Photometric (%)	0881	21.679	0.06200	21.017	0.83091	0.16618	57	0.80	2%	0
031.01	Phosphorus, Photometric (%)	0938	21.685	0.01000	21.017	0.83091	0.16618	57	0.80	2%	0
031.01	Phosphorus, Photometric (%)	0868	21.695	0.09000	21.017	0.83091	0.16618	57	0.82	2%	0
031.01	Phosphorus, Photometric (%)	0039	21.712	0.15200	21.017	0.83091	0.16618	57	0.84	2%	0
031.01	Phosphorus, Photometric (%)	0689	21.790	0.34000	21.017	0.83091	0.16618	57	0.93	2%	0
031.01	Phosphorus, Photometric (%)	0178	21.800	0.12000	21.017	0.83091	0.16618	57	0.94	2%	0
031.01	Phosphorus, Photometric (%)	0898	21.940	0.00000	21.017	0.83091	0.16618	57	1.11	2%	0
031.01	Phosphorus, Photometric (%)	0716	22.050	0.30000	21.017	0.83091	0.16618	57	1.24	2%	0
031.01	Phosphorus, Photometric (%)	0891	22.287	0.00880	21.017	0.83091	0.16618	57	1.53	3%	0
031.01	Phosphorus, Photometric (%)	0936	22.350	0.10000	21.017	0.83091	0.16618	57	1.60	3%	0
031.01	Phosphorus, Photometric (%)	0893	22.495	0.01000	21.017	0.83091	0.16618	57	1.78	4%	0
031.01	Phosphorus, Photometric (%)	2006	23.805	0.09000	21.017	0.83091	0.16618	57	3.35	7%	0
031.01	Phosphorus, Photometric (%)	2009	24.525	0.26910	21.017	0.83091	0.16618	57	4.22	8%	0
031.01	Phosphorus, Photometric (%)	0142	18.200	1.6000	21.017	0.83091	0.16618	57	-3.39	7%	1
031.01	Phosphorus, Photometric (%)	0623	21.355	1.7975	21.017	0.83091	0.16618	57	0.41	1%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	20.780	0.02000	21.110	0.27763	0.02892	5	-1.19	1%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0011	20.979	0.04460	21.110	0.27763	0.02892	5	-0.47	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0013	21.065	0.01000	21.110	0.27763	0.02892	5	-0.16	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	21.200	0.04000	21.110	0.27763	0.02892	5	0.32	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0920	21.525	0.03000	21.110	0.27763	0.02892	5	1.50	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0033	20.578	0.01500	21.192	0.76924	0.16886	5	-0.80	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	20.600	0.40000	21.192	0.76924	0.16886	5	-0.77	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0036	21.070	0.23930	21.192	0.76924	0.16886	5	-0.16	0%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	21.250	0.04000	21.192	0.76924	0.16886	5	0.07	0%	0
031.03	Phosphorus, Autoanalyzer (%)	0169	22.465	0.15000	21.192	0.76924	0.16886	5	1.65	3%	0
031.04	Phosphorus, Em Spect (%)	0904	22.155	0.11000			0.11000	1			
031.06	Phosphorus, Hach Method (%)	0138	4.0540	0.14200	12.870	12.467	0.15600	2	-0.71	34%	0
031.06	Phosphorus, Hach Method (%)	0536	21.685	0.17000	12.870	12.467	0.15600	2	0.71	34%	0
031.07	Phosphorus, DCP (%)	0894	21.035	0.15000			0.15000	1			

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
031.41	Phosphorus, ICP, Dry ash (%)	0358	5.8900	0.32000	20.511	0.84492	0.24055	24	-17.30	36%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	11.250	0.10000	20.511	0.84492	0.24055	24	-10.96	23%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	15.013	0.58460	20.511	0.84492	0.24055	24	-6.51	13%	0
031.41	Phosphorus, ICP, Dry ash (%)	0100	17.605	0.07000	20.511	0.84492	0.24055	24	-3.44	7%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	19.460	0.16000	20.511	0.84492	0.24055	24	-1.24	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	19.850	0.50000	20.511	0.84492	0.24055	24	-0.78	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	20.070	0.20000	20.511	0.84492	0.24055	24	-0.52	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	20.140	0.08000	20.511	0.84492	0.24055	24	-0.44	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	20.150	0.50000	20.511	0.84492	0.24055	24	-0.43	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	20.415	0.21000	20.511	0.84492	0.24055	24	-0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0350	20.491	0.51900	20.511	0.84492	0.24055	24	-0.02	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	20.750	0.04000	20.511	0.84492	0.24055	24	0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	20.774	0.02000	20.511	0.84492	0.24055	24	0.31	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	20.795	0.15000	20.511	0.84492	0.24055	24	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	20.800	0.64000	20.511	0.84492	0.24055	24	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	20.865	0.03000	20.511	0.84492	0.24055	24	0.42	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	20.880	0.06000	20.511	0.84492	0.24055	24	0.44	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0682	20.920	0.18000	20.511	0.84492	0.24055	24	0.48	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0955	21.000	0.00000	20.511	0.84492	0.24055	24	0.58	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	21.200	0.00000	20.511	0.84492	0.24055	24	0.82	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	21.390	0.44000	20.511	0.84492	0.24055	24	1.04	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	21.493	0.46970	20.511	0.84492	0.24055	24	1.16	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	21.520	0.20000	20.511	0.84492	0.24055	24	1.19	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0610	21.750	0.30000	20.511	0.84492	0.24055	24	1.47	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	18.950	0.30000	20.745	0.95427	0.48528	21	-1.88	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	19.375	0.07000	20.745	0.95427	0.48528	21	-1.44	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	19.450	0.10000	20.745	0.95427	0.48528	21	-1.36	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	19.545	0.09000	20.745	0.95427	0.48528	21	-1.26	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	19.750	0.70000	20.745	0.95427	0.48528	21	-1.04	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0171	19.810	0.28000	20.745	0.95427	0.48528	21	-0.98	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0413	20.300	1.8000	20.745	0.95427	0.48528	21	-0.47	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	20.550	0.36000	20.745	0.95427	0.48528	21	-0.20	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0021	20.635	1.0700	20.745	0.95427	0.48528	21	-0.12	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	20.655	0.27000	20.745	0.95427	0.48528	21	-0.09	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0009	20.845	0.87000	20.745	0.95427	0.48528	21	0.10	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	20.850	0.00000	20.745	0.95427	0.48528	21	0.11	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0098	20.865	0.25000	20.745	0.95427	0.48528	21	0.13	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0106	21.200	0.20000	20.745	0.95427	0.48528	21	0.48	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	21.219	0.21090	20.745	0.95427	0.48528	21	0.50	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	21.250	1.1000	20.745	0.95427	0.48528	21	0.53	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0029	21.365	0.37000	20.745	0.95427	0.48528	21	0.65	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	21.650	0.10000	20.745	0.95427	0.48528	21	0.95	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.42	Phosphorus, ICP, Open vessel (%)	0726	22.130	0.04000	20.745	0.95427	0.48528	21	1.45	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	22.385	1.5100	20.745	0.95427	0.48528	21	1.72	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	23.350	0.50000	20.745	0.95427	0.48528	21	2.73	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	18.140	2.6200	20.745	0.95427	0.48528	21	-2.73	6%	1
031.42	Phosphorus, ICP, Open vessel (%)	0915	2.2900	0.02000	20.745	0.95427	0.48528	21	-19.34	44%	2
031.43	Phosphorus, ICP, Microwave (%)	0353	17.195	0.35000	20.167	1.0880	0.41653	15	-2.73	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	18.930	0.28000	20.167	1.0880	0.41653	15	-1.14	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	19.135	0.15000	20.167	1.0880	0.41653	15	-0.95	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0619	19.500	0.20000	20.167	1.0880	0.41653	15	-0.61	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	19.675	0.03000	20.167	1.0880	0.41653	15	-0.45	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	19.845	0.33000	20.167	1.0880	0.41653	15	-0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0008	19.850	0.10000	20.167	1.0880	0.41653	15	-0.29	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0121	19.877	0.22300	20.167	1.0880	0.41653	15	-0.27	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	20.300	0.08000	20.167	1.0880	0.41653	15	0.12	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0294	20.415	0.23000	20.167	1.0880	0.41653	15	0.23	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0168	20.895	1.4500	20.167	1.0880	0.41653	15	0.67	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	21.222	0.63500	20.167	1.0880	0.41653	15	0.97	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0032	21.280	1.1400	20.167	1.0880	0.41653	15	1.02	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	21.550	0.70000	20.167	1.0880	0.41653	15	1.27	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	21.665	0.35000	20.167	1.0880	0.41653	15	1.38	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0553	24.730	3.0600	20.167	1.0880	0.41653	15	4.19	11%	1
031.44	Phosphorus, ICP, Dry ash (%)	0300	16.257	0.47500	19.416	4.4679	0.55250	2	-0.71	8%	0
031.44	Phosphorus, ICP, Dry ash (%)	0647	22.575	0.63000	19.416	4.4679	0.55250	2	0.71	8%	0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	12.780	0.06410			0.06410	1			
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	20.900	2.2000	20.975	0.10607	1.1500	2	-0.71	0%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0199	21.050	0.10000	20.975	0.10607	1.1500	2	0.71	0%	0
031.99	Phosphorus, Miscellaneous (%)	0879	20.940	0.84000	21.142	0.19226	0.28943	7	-1.05	0%	0
031.99	Phosphorus, Miscellaneous (%)	0563	21.020	0.06000	21.142	0.19226	0.28943	7	-0.63	0%	0
031.99	Phosphorus, Miscellaneous (%)	0590	21.020	0.16000	21.142	0.19226	0.28943	7	-0.63	0%	0
031.99	Phosphorus, Miscellaneous (%)	0656	21.140	0.18000	21.142	0.19226	0.28943	7	-0.01	0%	0
031.99	Phosphorus, Miscellaneous (%)	0676	21.145	0.62600	21.142	0.19226	0.28943	7	0.02	0%	0
031.99	Phosphorus, Miscellaneous (%)	2001	21.320	0.04000	21.142	0.19226	0.28943	7	0.93	0%	0
031.99	Phosphorus, Miscellaneous (%)	0552	22.190	0.12000	21.142	0.19226	0.28943	7	5.45	2%	0
032.02	Potassium, Flame Emission (%)	0536	0.17600	0.00400			0.00400	1			
032.31	Potassium, AAS, Dry ash (%)	0650	0.08000	0.02000	0.13117	0.01818	0.00583	6	-2.81	20%	0
032.31	Potassium, AAS, Dry ash (%)	0939	0.12000	0.00000	0.13117	0.01818	0.00583	6	-0.61	4%	0
032.31	Potassium, AAS, Dry ash (%)	0354	0.12500	0.01000	0.13117	0.01818	0.00583	6	-0.34	2%	0
032.31	Potassium, AAS, Dry ash (%)	0868	0.13850	0.00300	0.13117	0.01818	0.00583	6	0.40	3%	0
032.31	Potassium, AAS, Dry ash (%)	0305	0.14000	0.00000	0.13117	0.01818	0.00583	6	0.49	3%	0
032.31	Potassium, AAS, Dry ash (%)	0670	0.17300	0.00200	0.13117	0.01818	0.00583	6	2.30	16%	0
032.32	Potassium, AAS, Open vessel (%)	0609	0.13000	0.02000	0.16250	0.04596	0.04500	2	-0.71	10%	0
032.32	Potassium, AAS, Open vessel (%)	0169	0.19500	0.07000	0.16250	0.04596	0.04500	2	0.71	10%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
032.41	Potassium, ICP, Dry ash (%)	0358	0.05000	0.00000	0.13448	0.03511	0.01079	15	-2.41	31%	0
032.41	Potassium, ICP, Dry ash (%)	0100	0.08500	0.01000	0.13448	0.03511	0.01079	15	-1.41	18%	0
032.41	Potassium, ICP, Dry ash (%)	0610	0.10900	0.00000	0.13448	0.03511	0.01079	15	-0.73	9%	0
032.41	Potassium, ICP, Dry ash (%)	0598	0.11290	0.00280	0.13448	0.03511	0.01079	15	-0.61	8%	0
032.41	Potassium, ICP, Dry ash (%)	0049	0.12000	0.02000	0.13448	0.03511	0.01079	15	-0.41	5%	0
032.41	Potassium, ICP, Dry ash (%)	0910	0.12000	0.00000	0.13448	0.03511	0.01079	15	-0.41	5%	0
032.41	Potassium, ICP, Dry ash (%)	0011	0.12425	0.00230	0.13448	0.03511	0.01079	15	-0.29	4%	0
032.41	Potassium, ICP, Dry ash (%)	0083	0.12500	0.01000	0.13448	0.03511	0.01079	15	-0.27	4%	0
032.41	Potassium, ICP, Dry ash (%)	0682	0.14500	0.01000	0.13448	0.03511	0.01079	15	0.30	4%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.14515	0.00070	0.13448	0.03511	0.01079	15	0.30	4%	0
032.41	Potassium, ICP, Dry ash (%)	0520	0.19000	0.04000	0.13448	0.03511	0.01079	15	1.58	21%	0
032.41	Potassium, ICP, Dry ash (%)	0300	0.20550	0.01100	0.13448	0.03511	0.01079	15	2.02	26%	0
032.41	Potassium, ICP, Dry ash (%)	0144	0.21000	0.00000	0.13448	0.03511	0.01079	15	2.15	28%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.21750	0.03500	0.13448	0.03511	0.01079	15	2.36	31%	0
032.41	Potassium, ICP, Dry ash (%)	0226	0.25000	0.02000	0.13448	0.03511	0.01079	15	3.29	43%	0
032.42	Potassium, ICP, Open vessel (%)	0693	0.07800	0.01600	0.13532	0.04128	0.01262	11	-1.39	21%	0
032.42	Potassium, ICP, Open vessel (%)	0045	0.10175	0.00650	0.13532	0.04128	0.01262	11	-0.81	12%	0
032.42	Potassium, ICP, Open vessel (%)	0205	0.10400	0.00600	0.13532	0.04128	0.01262	11	-0.76	12%	0
032.42	Potassium, ICP, Open vessel (%)	0021	0.11500	0.01000	0.13532	0.04128	0.01262	11	-0.49	8%	0
032.42	Potassium, ICP, Open vessel (%)	0171	0.11500	0.00600	0.13532	0.04128	0.01262	11	-0.49	8%	0
032.42	Potassium, ICP, Open vessel (%)	0098	0.13000	0.00000	0.13532	0.04128	0.01262	11	-0.13	2%	0
032.42	Potassium, ICP, Open vessel (%)	0357	0.14500	0.01000	0.13532	0.04128	0.01262	11	0.23	4%	0
032.42	Potassium, ICP, Open vessel (%)	0187	0.15705	0.00330	0.13532	0.04128	0.01262	11	0.53	8%	0
032.42	Potassium, ICP, Open vessel (%)	0009	0.17000	0.00000	0.13532	0.04128	0.01262	11	0.84	13%	0
032.42	Potassium, ICP, Open vessel (%)	0692	0.18250	0.04100	0.13532	0.04128	0.01262	11	1.14	17%	0
032.42	Potassium, ICP, Open vessel (%)	0278	0.40000	0.04000	0.13532	0.04128	0.01262	11	6.41	98%	0
032.42	Potassium, ICP, Open vessel (%)	0265	0.44000	0.48000	0.13532	0.04128	0.01262	11	7.38	113%	1
032.43	Potassium, ICP, Microwave (%)	0510	0.11500	0.01000	0.12810	0.00956	0.00971	7	-1.37	5%	0
032.43	Potassium, ICP, Microwave (%)	0008	0.12400	0.00600	0.12810	0.00956	0.00971	7	-0.43	2%	0
032.43	Potassium, ICP, Microwave (%)	0032	0.12500	0.00200	0.12810	0.00956	0.00971	7	-0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	0297	0.12500	0.01000	0.12810	0.00956	0.00971	7	-0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.13100	0.01000	0.12810	0.00956	0.00971	7	0.30	1%	0
032.43	Potassium, ICP, Microwave (%)	0294	0.15000	0.00000	0.12810	0.00956	0.00971	7	2.29	9%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.18500	0.03000	0.12810	0.00956	0.00971	7	5.95	22%	0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	0.03940	0.00020			0.00020	1			
032.53	Potassium, ICP-MS, Microwave (%)	0572	0.12750	0.01500			0.01500	1			
033.00	Salt, Sol Cl (%)	2006	0.01000	0.00000	0.04013	0.03450	0.01225	4	-0.87	38%	0
033.00	Salt, Sol Cl (%)	0407	0.01050	0.00100	0.04013	0.03450	0.01225	4	-0.86	37%	0
033.00	Salt, Sol Cl (%)	0353	0.07000	0.02000	0.04013	0.03450	0.01225	4	0.87	37%	0
033.00	Salt, Sol Cl (%)	0693	0.07000	0.02800	0.04013	0.03450	0.01225	4	0.87	37%	0
033.01	Salt, Poten Cl (%)	0226	0.02500	0.01000	0.03600	0.01615	0.00600	4	-0.68	15%	0
033.01	Salt, Poten Cl (%)	0337	0.02900	0.01400	0.03600	0.01615	0.00600	4	-0.43	10%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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033.01	Salt, Poten Cl (%)	0278	0.03000	0.00000	0.03600	0.01615	0.00600	4	-0.37	8%	0
033.01	Salt, Poten Cl (%)	0650	0.06000	0.00000	0.03600	0.01615	0.00600	4	1.49	33%	0
033.03	Salt, Quantab (%)	0265	0.10000	0.00000			0.00000	1			
033.99	Salt, Miscellaneous (%)	0358	0.10000	0.00000	0.46250	0.51265	0.00500	2	-0.71	39%	0
033.99	Salt, Miscellaneous (%)	0536	0.82500	0.01000	0.46250	0.51265	0.00500	2	0.71	39%	0
034.42	Selenium, ICP, Open vessel (ppm)	0021	0.00000	0.00000	0.87500	1.2374	0.85000	2	-0.71	50%	0
034.42	Selenium, ICP, Open vessel (ppm)	0693	1.7500	1.7000	0.87500	1.2374	0.85000	2	0.71	50%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0199	5.2500	0.30000			0.30000	1			
035.01	Sodium, Ion Sel Electrode (%)	0138	0.05250	0.00500			0.00500	1			
035.05	Sodium, Flame Emission (%)	0337	0.08450	0.00180	0.53225	0.63321	0.01090	2	-0.71	42%	0
035.05	Sodium, Flame Emission (%)	0536	0.98000	0.02000	0.53225	0.63321	0.01090	2	0.71	42%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.06500	0.03000	0.24160	0.34816	0.01480	5	-0.51	37%	0
035.31	Sodium, AAS, Dry ash (%)	0868	0.08800	0.00000	0.24160	0.34816	0.01480	5	-0.44	32%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.09500	0.01000	0.24160	0.34816	0.01480	5	-0.42	30%	0
035.31	Sodium, AAS, Dry ash (%)	0670	0.09600	0.00000	0.24160	0.34816	0.01480	5	-0.42	30%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.86400	0.03400	0.24160	0.34816	0.01480	5	1.79	129%	0
035.32	Sodium, AAS, Open vessel (%)	0609	0.09500	0.01000	0.10750	0.01768	0.00500	2	-0.71	6%	0
035.32	Sodium, AAS, Open vessel (%)	0169	0.12000	0.00000	0.10750	0.01768	0.00500	2	0.71	6%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.04000	0.00000	0.08765	0.01747	0.00165	13	-2.73	27%	0
035.41	Sodium, ICP, Dry ash (%)	0610	0.06700	0.00000	0.08765	0.01747	0.00165	13	-1.18	12%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.06945	0.00510	0.08765	0.01747	0.00165	13	-1.04	10%	0
035.41	Sodium, ICP, Dry ash (%)	0100	0.07000	0.00000	0.08765	0.01747	0.00165	13	-1.01	10%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.08000	0.00000	0.08765	0.01747	0.00165	13	-0.44	4%	0
035.41	Sodium, ICP, Dry ash (%)	0011	0.08650	0.00300	0.08765	0.01747	0.00165	13	-0.07	1%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.09000	0.00000	0.08765	0.01747	0.00165	13	0.13	1%	0
035.41	Sodium, ICP, Dry ash (%)	0083	0.09250	0.00100	0.08765	0.01747	0.00165	13	0.28	3%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.09825	0.00130	0.08765	0.01747	0.00165	13	0.61	6%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.10000	0.00000	0.08765	0.01747	0.00165	13	0.71	7%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.10000	0.00000	0.08765	0.01747	0.00165	13	0.71	7%	0
035.41	Sodium, ICP, Dry ash (%)	0682	0.10500	0.01000	0.08765	0.01747	0.00165	13	0.99	10%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.11550	0.00100	0.08765	0.01747	0.00165	13	1.59	16%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.14500	0.03000	0.08765	0.01747	0.00165	13	3.28	33%	1
035.42	Sodium, ICP, Open vessel (%)	0693	0.05550	0.01100	0.09624	0.03206	0.00717	12	-1.27	21%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.06270	0.00120	0.09624	0.03206	0.00717	12	-1.05	17%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.07200	0.00200	0.09624	0.03206	0.00717	12	-0.76	13%	0
035.42	Sodium, ICP, Open vessel (%)	0021	0.07905	0.00270	0.09624	0.03206	0.00717	12	-0.54	9%	0
035.42	Sodium, ICP, Open vessel (%)	0098	0.08500	0.01000	0.09624	0.03206	0.00717	12	-0.35	6%	0
035.42	Sodium, ICP, Open vessel (%)	0171	0.08800	0.00800	0.09624	0.03206	0.00717	12	-0.26	4%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.08850	0.01700	0.09624	0.03206	0.00717	12	-0.24	4%	0
035.42	Sodium, ICP, Open vessel (%)	0413	0.10500	0.01000	0.09624	0.03206	0.00717	12	0.27	5%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.11500	0.01000	0.09624	0.03206	0.00717	12	0.59	10%	0
035.42	Sodium, ICP, Open vessel (%)	0029	0.13355	0.00090	0.09624	0.03206	0.00717	12	1.16	19%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	0915	0.14550	0.01300	0.09624	0.03206	0.00717	12	1.54	26%	0
035.42	Sodium, ICP, Open vessel (%)	0187	0.21230	0.00020	0.09624	0.03206	0.00717	12	3.62	60%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.12000	0.08000	0.09624	0.03206	0.00717	12	0.74	12%	1
035.43	Sodium, ICP, Microwave (%)	0043	0.00000	0.00000	0.08942	0.01661	0.00086	7	-5.38	50%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.08000	0.00000	0.08942	0.01661	0.00086	7	-0.57	5%	0
035.43	Sodium, ICP, Microwave (%)	0008	0.08070	0.00100	0.08942	0.01661	0.00086	7	-0.53	5%	0
035.43	Sodium, ICP, Microwave (%)	0294	0.09000	0.00000	0.08942	0.01661	0.00086	7	0.03	0%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.09350	0.00300	0.08942	0.01661	0.00086	7	0.25	2%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.10400	0.00200	0.08942	0.01661	0.00086	7	0.88	8%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.11000	0.00000	0.08942	0.01661	0.00086	7	1.24	12%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.17000	0.08000	0.08942	0.01661	0.00086	7	4.85	45%	1
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.02640	0.00040			0.00040	1			
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.08200	0.00400			0.00400	1			
036.00	Sulfur, Gravimetric (%)	0505	0.79000	0.02000			0.02000	1			
036.04	Sulfur, LECO (%)	0226	0.66000	0.02000			0.02000	1			
036.42	Sulfur, ICP, Open vessel (%)	0693	0.46500	0.09000	0.71255	0.15738	0.02767	10	-1.57	17%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.54150	0.02500	0.71255	0.15738	0.02767	10	-1.09	12%	0
036.42	Sulfur, ICP, Open vessel (%)	0915	0.64200	0.03000	0.71255	0.15738	0.02767	10	-0.45	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.68650	0.01300	0.71255	0.15738	0.02767	10	-0.17	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.69500	0.01000	0.71255	0.15738	0.02767	10	-0.11	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.70215	0.00570	0.71255	0.15738	0.02767	10	-0.07	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.76150	0.00300	0.71255	0.15738	0.02767	10	0.31	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0098	0.83500	0.01000	0.71255	0.15738	0.02767	10	0.78	9%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.88000	0.02000	0.71255	0.15738	0.02767	10	1.06	12%	0
036.42	Sulfur, ICP, Open vessel (%)	0021	0.90500	0.07000	0.71255	0.15738	0.02767	10	1.22	14%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	1.0300	0.36000	0.71255	0.15738	0.02767	10	2.02	22%	1
036.43	Sulfur, ICP, Microwave (%)	0353	0.66000	0.00000	0.76858	0.11733	0.01471	7	-0.93	7%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.66050	0.01300	0.76858	0.11733	0.01471	7	-0.92	7%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.69500	0.03000	0.76858	0.11733	0.01471	7	-0.63	5%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.80500	0.05000	0.76858	0.11733	0.01471	7	0.31	2%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.80500	0.01000	0.76858	0.11733	0.01471	7	0.31	2%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.81000	0.00000	0.76858	0.11733	0.01471	7	0.35	3%	0
036.43	Sulfur, ICP, Microwave (%)	0294	0.95000	0.00000	0.76858	0.11733	0.01471	7	1.55	12%	0
037.31	Zinc, AAS, Dry ash (ppm)	0939	75.265	2.6900	85.184	11.651	3.2400	5	-0.85	6%	0
037.31	Zinc, AAS, Dry ash (ppm)	0354	78.400	0.34000	85.184	11.651	3.2400	5	-0.58	4%	0
037.31	Zinc, AAS, Dry ash (ppm)	0305	82.315	0.85000	85.184	11.651	3.2400	5	-0.25	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0868	85.000	2.0000	85.184	11.651	3.2400	5	-0.02	0%	0
037.31	Zinc, AAS, Dry ash (ppm)	0674	104.94	10.320	85.184	11.651	3.2400	5	1.70	12%	0
037.32	Zinc, AAS, Open vessel (ppm)	0656	67.350	0.08000			0.08000	1			
037.41	Zinc, ICP, Dry ash (ppm)	0358	27.780	2.0600	73.986	7.2608	3.0279	15	-6.36	31%	0
037.41	Zinc, ICP, Dry ash (ppm)	0074	65.000	6.0000	73.986	7.2608	3.0279	15	-1.24	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0100	69.000	0.00000	73.986	7.2608	3.0279	15	-0.69	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
037.41	Zinc, ICP, Dry ash (ppm)	0610	69.500	1.0000	73.986	7.2608	3.0279	15	-0.62	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0011	70.000	1.0000	73.986	7.2608	3.0279	15	-0.55	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0051	70.155	7.5500	73.986	7.2608	3.0279	15	-0.53	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0350	71.500	3.0000	73.986	7.2608	3.0279	15	-0.34	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0682	72.270	6.0600	73.986	7.2608	3.0279	15	-0.24	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0955	75.350	2.7000	73.986	7.2608	3.0279	15	0.19	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0049	76.470	0.20000	73.986	7.2608	3.0279	15	0.34	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0083	81.000	2.0000	73.986	7.2608	3.0279	15	0.97	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0520	84.000	4.0000	73.986	7.2608	3.0279	15	1.38	7%	0
037.41	Zinc, ICP, Dry ash (ppm)	0300	85.949	0.27800	73.986	7.2608	3.0279	15	1.65	8%	0
037.41	Zinc, ICP, Dry ash (ppm)	0598	89.085	6.5700	73.986	7.2608	3.0279	15	2.08	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	95.500	3.0000	73.986	7.2608	3.0279	15	2.96	15%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	104.00	16.000	73.986	7.2608	3.0279	15	4.13	20%	1
037.42	Zinc, ICP, Open vessel (ppm)	0187	19.270	0.42000	65.310	20.612	6.8000	12	-2.23	35%	0
037.42	Zinc, ICP, Open vessel (ppm)	0009	49.980	11.700	65.310	20.612	6.8000	12	-0.74	12%	0
037.42	Zinc, ICP, Open vessel (ppm)	0915	50.300	3.6000	65.310	20.612	6.8000	12	-0.73	11%	0
037.42	Zinc, ICP, Open vessel (ppm)	0693	52.150	10.500	65.310	20.612	6.8000	12	-0.64	10%	0
037.42	Zinc, ICP, Open vessel (ppm)	0265	55.000	14.000	65.310	20.612	6.8000	12	-0.50	8%	0
037.42	Zinc, ICP, Open vessel (ppm)	0045	59.700	2.8000	65.310	20.612	6.8000	12	-0.27	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0171	69.000	0.00000	65.310	20.612	6.8000	12	0.18	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	0021	69.900	4.2000	65.310	20.612	6.8000	12	0.22	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0357	77.500	3.0000	65.310	20.612	6.8000	12	0.59	9%	0
037.42	Zinc, ICP, Open vessel (ppm)	0692	81.000	10.000	65.310	20.612	6.8000	12	0.76	12%	0
037.42	Zinc, ICP, Open vessel (ppm)	0098	90.200	20.000	65.310	20.612	6.8000	12	1.21	19%	0
037.42	Zinc, ICP, Open vessel (ppm)	0029	95.570	1.3800	65.310	20.612	6.8000	12	1.47	23%	0
037.43	Zinc, ICP, Microwave (ppm)	0043	0.00000	0.00000	76.476	8.6429	2.5064	11	-8.85	50%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	59.060	5.5200	76.476	8.6429	2.5064	11	-2.02	11%	0
037.43	Zinc, ICP, Microwave (ppm)	0297	71.000	6.0000	76.476	8.6429	2.5064	11	-0.63	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0032	74.400	0.80000	76.476	8.6429	2.5064	11	-0.24	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0169	75.050	0.30000	76.476	8.6429	2.5064	11	-0.16	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0008	75.700	1.6000	76.476	8.6429	2.5064	11	-0.09	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	77.000	0.00000	76.476	8.6429	2.5064	11	0.06	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0553	80.500	4.6000	76.476	8.6429	2.5064	11	0.47	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0353	84.785	4.6300	76.476	8.6429	2.5064	11	0.96	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0294	86.450	1.8200	76.476	8.6429	2.5064	11	1.15	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	100.85	2.3000	76.476	8.6429	2.5064	11	2.82	16%	0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0154	17.468	0.27700			0.27700	1			
037.53	Zinc, ICP-MS, Microwave (ppm)	0199	66.500	1.0000	91.250	35.002	6.5000	2	-0.71	14%	0
037.53	Zinc, ICP-MS, Microwave (ppm)	0572	116.00	12.000	91.250	35.002	6.5000	2	0.71	14%	0
038.41	Molybdenum, ICP, Dry ash (ppm)	0011	14.232	1.2695	15.766	2.1692	2.1648	2	-0.71	5%	0
038.41	Molybdenum, ICP, Dry ash (ppm)	0029	17.300	3.0600	15.766	2.1692	2.1648	2	0.71	5%	0
038.42	Molybdenum, ICP, Open vessel (ppm)	0693	15.050	0.50000	17.143	1.8974	0.79333	3	-1.10	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
038.42	Molybdenum, ICP, Open vessel (ppm)	0278	17.630	0.38000	17.143	1.8974	0.79333	3	0.26	1%	0
038.42	Molybdenum, ICP, Open vessel (ppm)	0021	18.750	1.5000	17.143	1.8974	0.79333	3	0.85	5%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	16.300	0.20000	17.600	1.2948	0.25850	4	-1.00	4%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0169	16.750	0.10000	17.600	1.2948	0.25850	4	-0.66	2%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0027	18.286	0.30400	17.600	1.2948	0.25850	4	0.53	2%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0353	19.065	0.43000	17.600	1.2948	0.25850	4	1.13	4%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0154	14.792	0.09200			0.09200	1			
041.42	Vanadium, ICP, Open vessel (ppm)	0021	145.95	2.9000			2.9000	1			
106.02	Vitamin A, LC (KU / lb)	0670	0.00000	0.00000			0.00000	1			
160.99	Fructose, Miscellaneous (%)	0670	0.00000	0.00000			0.00000	1			
162.99	Glucose, Miscellaneous (%)	0670	0.00000	0.00000			0.00000	1			
163.99	Lactose, Miscellaneous (%)	0670	0.00000	0.00000			0.00000	1			
164.99	Maltose, Miscellaneous (%)	0670	0.00000	0.00000			0.00000	1			
165.99	Sucrose, Miscellaneous (%)	0670	0.08850	0.00300			0.00300	1			
400.01	Water activity, Aqualab chilled mirror (U)	0670	0.35950	0.00100			0.00100	1			
516.01	Arsenic, total, Colorimeter (ppm)	0011	9.9843	0.24450			0.24450	1			
516.34	Arsenic, total, AAS, Graphite furnace (ppm)	0939	21.560	0.00000			0.00000	1			
516.42	Arsenic, total, ICP, Open vessel (ppm)	0021	15.850	0.10000			0.10000	1			
516.43	Arsenic, total, ICP, Microwave (ppm)	0619	2.9750	0.07000	9.7777	9.6204	0.17745	2	-0.71	35%	0
516.43	Arsenic, total, ICP, Microwave (ppm)	0027	16.580	0.28490	9.7777	9.6204	0.17745	2	0.71	35%	0
516.52	Arsenic, total, ICP-MS, Open vessel (ppm)	0154	13.995	0.15000			0.15000	1			
516.99	Arsenic, total, Miscellaneous (ppm)	0868	93.500	1.0000			1.0000	1			
518.31	Cadmium, AAS, Dry ash (ppm)	0868	2.0700	0.02000	2.5515	0.68094	0.01700	2	-0.71	9%	0
518.31	Cadmium, AAS, Dry ash (ppm)	0866	3.0330	0.01400	2.5515	0.68094	0.01700	2	0.71	9%	0
518.34	Cadmium, AAS, Graphite furnace (ppm)	0939	4.1850	0.35000	4.2208	0.05056	0.18450	2	-0.71	0%	0
518.34	Cadmium, AAS, Graphite furnace (ppm)	0920	4.2565	0.01900	4.2208	0.05056	0.18450	2	0.71	0%	0
518.41	Cadmium, ICP, Dry ash (ppm)	0011	4.2235	0.04600			0.04600	1			
518.42	Cadmium, ICP, Open vessel (ppm)	0021	3.9000	0.20000			0.20000	1			
518.43	Cadmium, ICP, Microwave (ppm)	0619	3.7200	0.02000	3.9648	0.34613	0.04840	2	-0.71	3%	0
518.43	Cadmium, ICP, Microwave (ppm)	0027	4.2095	0.07680	3.9648	0.34613	0.04840	2	0.71	3%	0
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0154	3.5545	0.17700			0.17700	1			
520.41	Chromium, ICP, Dry ash (ppm)	0011	90.884	0.90250			0.90250	1			
520.42	Chromium, ICP, Open vessel (ppm)	0171	82.000	0.00000	86.025	5.6922	1.4500	2	-0.71	2%	0
520.42	Chromium, ICP, Open vessel (ppm)	0021	90.050	2.9000	86.025	5.6922	1.4500	2	0.71	2%	0
520.43	Chromium, ICP, Microwave (ppm)	0619	73.200	1.0000	82.708	8.3625	1.5827	3	-1.14	6%	0
520.43	Chromium, ICP, Microwave (ppm)	0510	86.000	2.0000	82.708	8.3625	1.5827	3	0.39	2%	0
520.43	Chromium, ICP, Microwave (ppm)	0027	88.923	1.7482	82.708	8.3625	1.5827	3	0.74	4%	0
520.52	Chromium, ICP-MS, Open vessel (ppm)	0154	59.349	1.8850			1.8850	1			
526.31	Lead, AAS, Dry ash (ppm)	0689	9.0000	0.40000			0.40000	1			
526.34	Lead, AAS, Graphite furnace (ppm)	0610	2.4250	0.01000	3.3325	1.1295	0.04633	3	-0.80	14%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0939	2.9750	0.05000	3.3325	1.1295	0.04633	3	-0.32	5%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0920	4.5975	0.07900	3.3325	1.1295	0.04633	3	1.12	19%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
526.41	Lead, ICP, Dry ash (ppm)	0011	0.88175	0.03750			0.03750	1			
526.42	Lead, ICP, Open vessel (ppm)	0021	3.5500	1.1000			1.1000	1			
526.43	Lead, ICP, Microwave (ppm)	0619	0.10000	0.01600	1.5031	1.9843	0.37555	2	-0.71	47%	0
526.43	Lead, ICP, Microwave (ppm)	0027	2.9063	0.73510	1.5031	1.9843	0.37555	2	0.71	47%	0
526.52	Lead, ICP-MS, Open vessel (ppm)	0154	2.4275	0.07500			0.07500	1			
526.53	Lead, ICP-MS, Microwave (ppm)	2004	3.4900	0.04000			0.04000	1			
529.00	Mercury, Cold vapor (ppb)	0920	19.615	3.4100			3.4100	1			
529.99	Mercury, Miscellaneous (ppb)	0866	6.9500	0.10000	6.9750	0.03536	0.05000	2	-0.71	0%	0
529.99	Mercury, Miscellaneous (ppb)	0021	7.0000	0.00000	6.9750	0.03536	0.05000	2	0.71	0%	0
539.31	Nickel, AAS, Dry ash (ppm)	0670	11.490	0.22000			0.22000	1			
539.41	Nickel, ICP, Dry ash (ppm)	0011	16.333	0.13550			0.13550	1			
539.42	Nickel, ICP, Open vessel (ppm)	0021	17.450	0.90000			0.90000	1			
539.43	Nickel, ICP, Microwave (ppm)	0027	17.168	0.66990			0.66990	1			
539.52	Nickel, ICP-MS, Open vessel (ppm)	0154	13.359	0.75200			0.75200	1			