



AAFCO
Association of American Feed Control Officials



Pet Food Ingredient Scheme

Fish Meal

Test Material Code # 202344

Method Proficiency Testing Report

Labs Reporting: 85

Methods Reported 253

Issue Date : 12/31/2023

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	7.018	0.1060				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	7.107	0.0050				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.205	0.1100				3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	6.135	0.1500				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	7.200	0.0000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	6.335	0.1500	7.163	0.2174	0.0775	44	-3.81	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	6.505	0.0700	7.163	0.2174	0.0775	44	-3.03	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	6.555	0.0700	7.163	0.2174	0.0775	44	-2.80	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2124	6.595	0.0500	7.163	0.2174	0.0775	44	-2.61	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.750	0.5000	7.163	0.2174	0.0775	44	-1.90	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	6.775	0.1300	7.163	0.2174	0.0775	44	-1.78	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	6.865	0.4900	7.163	0.2174	0.0775	44	-1.37	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	6.870	0.0800	7.163	0.2174	0.0775	44	-1.35	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	6.900	0.5400	7.163	0.2174	0.0775	44	-1.21	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	7.025	0.0300	7.163	0.2174	0.0775	44	-0.63	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2396	7.075	0.1700	7.163	0.2174	0.0775	44	-0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2422	7.095	0.0900	7.163	0.2174	0.0775	44	-0.31	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1020	7.095	0.0500	7.163	0.2174	0.0775	44	-0.31	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	7.105	0.0100	7.163	0.2174	0.0775	44	-0.26	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2399	7.105	0.0100	7.163	0.2174	0.0775	44	-0.26	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	7.120	0.0800	7.163	0.2174	0.0775	44	-0.20	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	7.155	0.0300	7.163	0.2174	0.0775	44	-0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2420	7.165	0.0100	7.163	0.2174	0.0775	44	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	7.175	0.0100	7.163	0.2174	0.0775	44	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	7.175	0.5500	7.163	0.2174	0.0775	44	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2331	7.175	0.1300	7.163	0.2174	0.0775	44	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	7.180	0.0800	7.163	0.2174	0.0775	44	0.08	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2424	7.190	0.2600	7.163	0.2174	0.0775	44	0.13	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2362	7.200	0.1400	7.163	0.2174	0.0775	44	0.17	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2330	7.240	0.0400	7.163	0.2174	0.0775	44	0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	7.248	0.0332	7.163	0.2174	0.0775	44	0.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	7.250	0.0400	7.163	0.2174	0.0775	44	0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	7.255	0.0100	7.163	0.2174	0.0775	44	0.43	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	7.260	0.0400	7.163	0.2174	0.0775	44	0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2361	7.265	0.0700	7.163	0.2174	0.0775	44	0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2417	7.265	0.0300	7.163	0.2174	0.0775	44	0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2421	7.270	0.0800	7.163	0.2174	0.0775	44	0.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	7.275	0.0700	7.163	0.2174	0.0775	44	0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2419	7.275	0.0500	7.163	0.2174	0.0775	44	0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2408	7.290	0.0800	7.163	0.2174	0.0775	44	0.59	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2444	7.290	0.0800	7.163	0.2174	0.0775	44	0.59	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2382	7.320	0.0400	7.163	0.2174	0.0775	44	0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2385	7.345	0.0700	7.163	0.2174	0.0775	44	0.84	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2452	7.370	0.1000	7.163	0.2174	0.0775	44	0.95	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	7.375	0.0500	7.163	0.2174	0.0775	44	0.98	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2380	7.420	0.0800	7.163	0.2174	0.0775	44	1.18	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2415	7.475	0.0500	7.163	0.2174	0.0775	44	1.44	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	7.575	0.0300	7.163	0.2174	0.0775	44	1.90	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2395	7.595	0.7500	7.163	0.2174	0.0775	44	1.99	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	65.04	3.490	7.163	0.2174	0.0775	44	>100	404%	2
001.99	Loss on Drying, Miscellaneous (%)	2155	6.140	0.0000	6.696	0.4861	0.1550	5			0
001.99	Loss on Drying, Miscellaneous (%)	0889	6.320	0.1400	6.696	0.4861	0.1550	5			0
001.99	Loss on Drying, Miscellaneous (%)	0918	6.795	0.1300	6.696	0.4861	0.1550	5			0
001.99	Loss on Drying, Miscellaneous (%)	0510	6.850	0.1000	6.696	0.4861	0.1550	5			0
001.99	Loss on Drying, Miscellaneous (%)	0914	7.375	0.2500	6.696	0.4861	0.1550	5			0
001.99	Loss on Drying, Miscellaneous (%)	0656	355.5	697.0	6.696	0.4861	0.1550	5			2
002.00	Protein, Crude, Crude (%)	0845	62.46	0.2900				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	60.71	0.2400	62.56	1.001	0.3356	6	-1.85	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	62.13	0.3880	62.56	1.001	0.3356	6	-0.43	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2373	62.48	0.2600	62.56	1.001	0.3356	6	-0.08	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	63.04	0.1900	62.56	1.001	0.3356	6	0.47	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0619	63.20	0.6000	62.56	1.001	0.3356	6	0.64	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0656	63.46	0.0000	62.56	1.001	0.3356	6	0.90	1%	0
002.04	Protein, Crude, Copper Catalyst (%)	0504	63.12	0.4300				1			0
002.05	Protein, Crude, Copper, Boric Acid (%)	0407	60.39	0.0400				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2461	62.30	0.4000	63.52	0.3260	0.3136	69	-3.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2463	62.30	0.2000	63.52	0.3260	0.3136	69	-3.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2399	62.47	0.0450	63.52	0.3260	0.3136	69	-3.22	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0139	62.54	0.3860	63.52	0.3260	0.3136	69	-3.01	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0619	62.55	0.1000	63.52	0.3260	0.3136	69	-2.97	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2462	62.65	0.7000	63.52	0.3260	0.3136	69	-2.66	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1023	62.68	0.3210	63.52	0.3260	0.3136	69	-2.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0407	62.71	0.3240	63.52	0.3260	0.3136	69	-2.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0226	63.13	0.5700	63.52	0.3260	0.3136	69	-1.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0027	63.15	0.3950	63.52	0.3260	0.3136	69	-1.12	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2421	63.17	0.4400	63.52	0.3260	0.3136	69	-1.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2050	63.20	1.400	63.52	0.3260	0.3136	69	-0.97	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0171	63.21	0.0600	63.52	0.3260	0.3136	69	-0.94	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1021	63.21	0.1100	63.52	0.3260	0.3136	69	-0.94	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0613	63.23	1.480	63.52	0.3260	0.3136	69	-0.88	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0010	63.25	0.1000	63.52	0.3260	0.3136	69	-0.82	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1022	63.27	0.2770	63.52	0.3260	0.3136	69	-0.76	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1024	63.29	0.1200	63.52	0.3260	0.3136	69	-0.70	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2380	63.33	0.0600	63.52	0.3260	0.3136	69	-0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2362	63.38	0.7100	63.52	0.3260	0.3136	69	-0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2382	63.41	0.1000	63.52	0.3260	0.3136	69	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2361	63.44	0.7900	63.52	0.3260	0.3136	69	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2385	63.44	0.1100	63.52	0.3260	0.3136	69	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2422	63.44	0.6400	63.52	0.3260	0.3136	69	-0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0074	63.45	0.3000	63.52	0.3260	0.3136	69	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2156	63.45	0.4200	63.52	0.3260	0.3136	69	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2460	63.45	0.1000	63.52	0.3260	0.3136	69	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0656	63.47	0.0000	63.52	0.3260	0.3136	69	-0.14	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0242	63.48	0.0800	63.52	0.3260	0.3136	69	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2452	63.49	0.0880	63.52	0.3260	0.3136	69	-0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0914	63.50	1.000	63.52	0.3260	0.3136	69	-0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0047	63.51	0.0900	63.52	0.3260	0.3136	69	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0001	63.52	0.6800	63.52	0.3260	0.3136	69	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2444	63.53	0.0200	63.52	0.3260	0.3136	69	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0870	63.53	0.3145	63.52	0.3260	0.3136	69	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0098	63.55	0.7000	63.52	0.3260	0.3136	69	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2220	63.55	1.000	63.52	0.3260	0.3136	69	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0511	63.57	0.2200	63.52	0.3260	0.3136	69	0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2415	63.59	0.0700	63.52	0.3260	0.3136	69	0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0309	63.59	0.2215	63.52	0.3260	0.3136	69	0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2219	63.59	0.0510	63.52	0.3260	0.3136	69	0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0510	63.60	0.2000	63.52	0.3260	0.3136	69	0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0876	63.60	0.0000	63.52	0.3260	0.3136	69	0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2420	63.62	0.3780	63.52	0.3260	0.3136	69	0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0164	63.63	0.6300	63.52	0.3260	0.3136	69	0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2408	63.65	0.1800	63.52	0.3260	0.3136	69	0.41	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2419	63.65	0.2400	63.52	0.3260	0.3136	69	0.41	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0504	63.67	0.0900	63.52	0.3260	0.3136	69	0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2302	63.67	0.0800	63.52	0.3260	0.3136	69	0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0417	63.68	0.1100	63.52	0.3260	0.3136	69	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2417	63.68	0.0070	63.52	0.3260	0.3136	69	0.50	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0529	63.69	0.0900	63.52	0.3260	0.3136	69	0.52	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2395	63.72	0.6300	63.52	0.3260	0.3136	69	0.61	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2293	63.73	0.2790	63.52	0.3260	0.3136	69	0.66	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2155	63.78	0.4180	63.52	0.3260	0.3136	69	0.80	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0034	63.78	0.6200	63.52	0.3260	0.3136	69	0.81	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2312	63.80	0.3700	63.52	0.3260	0.3136	69	0.85	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2396	63.80	0.3400	63.52	0.3260	0.3136	69	0.87	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0142	63.84	0.0000	63.52	0.3260	0.3136	69	0.99	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2331	63.86	0.5940	63.52	0.3260	0.3136	69	1.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0508	63.86	0.2710	63.52	0.3260	0.3136	69	1.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2330	63.89	0.6900	63.52	0.3260	0.3136	69	1.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2409	63.91	0.1500	63.52	0.3260	0.3136	69	1.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2252	63.99	0.1300	63.52	0.3260	0.3136	69	1.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0918	64.00	0.3800	63.52	0.3260	0.3136	69	1.48	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2089	64.11	0.0200	63.52	0.3260	0.3136	69	1.82	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2424	64.21	0.1190	63.52	0.3260	0.3136	69	2.12	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2124	64.27	0.0700	63.52	0.3260	0.3136	69	2.30	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0880	64.45	0.5000	63.52	0.3260	0.3136	69	2.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1019	59.40	1.250	63.52	0.3260	0.3136	69	-12.64	3%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	63.39	0.2200				1			0
002.11	Protein, Crude, NIR (%)	0889	59.88	0.0100				2			0
002.11	Protein, Crude, NIR (%)	0613	64.44	0.0900				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	9.291	0.0712	9.883	0.6013	0.5422	6	-0.99	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1024	9.445	0.7100	9.883	0.6013	0.5422	6	-0.73	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0142	9.485	0.0300	9.883	0.6013	0.5422	6	-0.66	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1020	10.25	1.650	9.883	0.6013	0.5422	6	0.60	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2444	10.39	0.3300	9.883	0.6013	0.5422	6	0.83	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2331	10.45	0.6800	9.883	0.6013	0.5422	6	0.94	3%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0504	9.680	0.0600				1			0
003.06	Fat, Crude, Pet Ether (%)	0918	9.450	0.0200				3			0
003.06	Fat, Crude, Pet Ether (%)	0164	9.635	0.1100				3			0
003.06	Fat, Crude, Pet Ether (%)	2089	10.60	0.1100				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	1023	7.580	0.4000				2			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	9.840	0.2400				2			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	9.355	0.0300	9.473	0.0857	0.1567	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	9.410	0.2600	9.473	0.0857	0.1567	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	9.519	0.0350	9.473	0.0857	0.1567	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	9.535	0.3500	9.473	0.0857	0.1567	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	9.548	0.1084	9.473	0.0857	0.1567	5			0
003.11	Fat, Crude, NIR (%)	0889	7.870	0.0400				2			0
003.11	Fat, Crude, NIR (%)	0613	8.990	0.1600				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	9.635	0.1100				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	9.380	0.0600				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
003.14	Fat, Crude, Ankom (%)	0529	9.060	0.2400	9.496	0.3003	0.0498	11	-1.45	2%	0
003.14	Fat, Crude, Ankom (%)	2302	9.085	0.0100	9.496	0.3003	0.0498	11	-1.37	2%	0
003.14	Fat, Crude, Ankom (%)	2409	9.360	0.0600	9.496	0.3003	0.0498	11	-0.45	1%	0
003.14	Fat, Crude, Ankom (%)	0581	9.425	0.0500	9.496	0.3003	0.0498	11	-0.24	0%	0
003.14	Fat, Crude, Ankom (%)	0554	9.500	0.0400	9.496	0.3003	0.0498	11	0.01	0%	0
003.14	Fat, Crude, Ankom (%)	0171	9.530	0.0600	9.496	0.3003	0.0498	11	0.11	0%	0
003.14	Fat, Crude, Ankom (%)	0001	9.552	0.0140	9.496	0.3003	0.0498	11	0.19	0%	0
003.14	Fat, Crude, Ankom (%)	0876	9.565	0.1300	9.496	0.3003	0.0498	11	0.23	0%	0
003.14	Fat, Crude, Ankom (%)	0407	9.649	0.0295	9.496	0.3003	0.0498	11	0.51	1%	0
003.14	Fat, Crude, Ankom (%)	0619	9.785	0.0500	9.496	0.3003	0.0498	11	0.96	2%	0
003.14	Fat, Crude, Ankom (%)	0226	10.16	0.0300	9.496	0.3003	0.0498	11	2.19	3%	0
003.14	Fat, Crude, Ankom (%)	0613	9.090	1.060	9.496	0.3003	0.0498	11	-1.35	2%	1
003.99	Fat, Crude, Miscellaneous (%)	0880	3.750	0.1000				2			0
003.99	Fat, Crude, Miscellaneous (%)	1019	9.205	0.0500				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.1795	0.0096				3			0
004.00	Fiber, Crude, Asbestos Free (%)	2312	0.3000	0.2000				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.4500	0.0200				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	< 0.2					3			5
004.06	Fiber, Crude, Fibertec (%)	0918	0.0000	0.0000				0			4
004.07	Fiber, Crude, ANKOM (%)	0619	0.0945	0.0050	0.5997	0.4783	0.2147	15	-1.06	42%	0
004.07	Fiber, Crude, ANKOM (%)	0510	0.1000	0.0000	0.5997	0.4783	0.2147	15	-1.04	42%	0
004.07	Fiber, Crude, ANKOM (%)	0242	0.1050	0.0100	0.5997	0.4783	0.2147	15	-1.03	41%	0
004.07	Fiber, Crude, ANKOM (%)	0504	0.2450	0.0100	0.5997	0.4783	0.2147	15	-0.74	30%	0
004.07	Fiber, Crude, ANKOM (%)	0656	0.3100	0.0000	0.5997	0.4783	0.2147	15	-0.61	24%	0
004.07	Fiber, Crude, ANKOM (%)	0407	0.3291	0.4482	0.5997	0.4783	0.2147	15	-0.57	23%	0
004.07	Fiber, Crude, ANKOM (%)	0870	0.4926	0.0379	0.5997	0.4783	0.2147	15	-0.22	9%	0
004.07	Fiber, Crude, ANKOM (%)	0074	0.6000	0.5800	0.5997	0.4783	0.2147	15	0.00	0%	0
004.07	Fiber, Crude, ANKOM (%)	0554	0.6450	0.5100	0.5997	0.4783	0.2147	15	0.09	4%	0
004.07	Fiber, Crude, ANKOM (%)	0511	0.6500	0.3000	0.5997	0.4783	0.2147	15	0.11	4%	0
004.07	Fiber, Crude, ANKOM (%)	0226	0.7400	0.0800	0.5997	0.4783	0.2147	15	0.29	12%	0
004.07	Fiber, Crude, ANKOM (%)	0529	0.9000	0.0800	0.5997	0.4783	0.2147	15	0.63	25%	0
004.07	Fiber, Crude, ANKOM (%)	0914	1.150	0.3000	0.5997	0.4783	0.2147	15	1.15	46%	0
004.07	Fiber, Crude, ANKOM (%)	0581	1.500	0.4000	0.5997	0.4783	0.2147	15	1.88	75%	0
004.07	Fiber, Crude, ANKOM (%)	0034	1.675	0.0300	0.5997	0.4783	0.2147	15	2.25	90%	0
004.07	Fiber, Crude, ANKOM (%)	0613	2.775	4.170	0.5997	0.4783	0.2147	15	4.55	181%	1
004.07	Fiber, Crude, ANKOM (%)	0876	< 0.5		0.5997	0.4783	0.2147	15			5
004.11	Fiber, Crude, NIR (%)	0889	2.270	0.2500				1			0
005.00	Ash, 2h @ 600°C (%)	2156	20.37	0.5400	20.77	0.1701	0.1106	42	-2.35	1%	0
005.00	Ash, 2h @ 600°C (%)	2380	20.49	0.0700	20.77	0.1701	0.1106	42	-1.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0656	20.51	0.0000	20.77	0.1701	0.1106	42	-1.53	1%	0
005.00	Ash, 2h @ 600°C (%)	0417	20.60	0.3500	20.77	0.1701	0.1106	42	-1.03	0%	0
005.00	Ash, 2h @ 600°C (%)	2408	20.62	0.1200	20.77	0.1701	0.1106	42	-0.88	0%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2252	20.63	0.1300	20.77	0.1701	0.1106	42	-0.85	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	20.64	0.1620	20.77	0.1701	0.1106	42	-0.74	0%	0
005.00	Ash, 2h @ 600°C (%)	2362	20.65	0.1800	20.77	0.1701	0.1106	42	-0.71	0%	0
005.00	Ash, 2h @ 600°C (%)	2293	20.67	0.0300	20.77	0.1701	0.1106	42	-0.62	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	20.67	0.2161	20.77	0.1701	0.1106	42	-0.57	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	20.68	0.0500	20.77	0.1701	0.1106	42	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	20.68	0.0500	20.77	0.1701	0.1106	42	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	2331	20.68	0.0400	20.77	0.1701	0.1106	42	-0.53	0%	0
005.00	Ash, 2h @ 600°C (%)	2361	20.68	0.0200	20.77	0.1701	0.1106	42	-0.53	0%	0
005.00	Ash, 2h @ 600°C (%)	1020	20.69	0.1700	20.77	0.1701	0.1106	42	-0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	20.69	0.0466	20.77	0.1701	0.1106	42	-0.49	0%	0
005.00	Ash, 2h @ 600°C (%)	2330	20.70	0.0100	20.77	0.1701	0.1106	42	-0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	2219	20.71	0.0200	20.77	0.1701	0.1106	42	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0880	20.72	0.0000	20.77	0.1701	0.1106	42	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	2220	20.73	0.0100	20.77	0.1701	0.1106	42	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0554	20.73	0.1400	20.77	0.1701	0.1106	42	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2396	20.73	0.0800	20.77	0.1701	0.1106	42	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2415	20.76	0.1100	20.77	0.1701	0.1106	42	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	1023	20.76	0.0600	20.77	0.1701	0.1106	42	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	1024	20.78	0.0400	20.77	0.1701	0.1106	42	0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	20.79	0.0600	20.77	0.1701	0.1106	42	0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	20.80	0.3100	20.77	0.1701	0.1106	42	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	2385	20.80	0.1600	20.77	0.1701	0.1106	42	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	20.80	0.0000	20.77	0.1701	0.1106	42	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	20.83	0.0000	20.77	0.1701	0.1106	42	0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	20.84	0.0700	20.77	0.1701	0.1106	42	0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	20.84	0.0766	20.77	0.1701	0.1106	42	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	2382	20.92	0.1300	20.77	0.1701	0.1106	42	0.85	0%	0
005.00	Ash, 2h @ 600°C (%)	2302	20.93	0.1200	20.77	0.1701	0.1106	42	0.94	0%	0
005.00	Ash, 2h @ 600°C (%)	2124	20.97	0.0500	20.77	0.1701	0.1106	42	1.15	0%	0
005.00	Ash, 2h @ 600°C (%)	2312	21.00	0.1000	20.77	0.1701	0.1106	42	1.35	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	21.01	0.2200	20.77	0.1701	0.1106	42	1.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	21.05	0.0400	20.77	0.1701	0.1106	42	1.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	21.05	0.1000	20.77	0.1701	0.1106	42	1.64	1%	0
005.00	Ash, 2h @ 600°C (%)	2395	21.12	0.6400	20.77	0.1701	0.1106	42	2.06	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	21.14	0.1400	20.77	0.1701	0.1106	42	2.17	1%	0
005.00	Ash, 2h @ 600°C (%)	0226	22.48	0.4700	20.77	0.1701	0.1106	42	10.02	4%	0
005.00	Ash, 2h @ 600°C (%)	1019	19.30	3.140	20.77	0.1701	0.1106	42	-8.64	4%	1
005.00	Ash, 2h @ 600°C (%)	0047	19.70	2.610	20.77	0.1701	0.1106	42	-6.32	3%	1
005.03	Ash, Microwave furnace (%)	0511	20.55	0.1000				1			0
005.05	Ash, 3h @ 550°C (%)	1022	20.60	0.0100	20.86	0.1736	0.0597	17	-1.54	1%	0
005.05	Ash, 3h @ 550°C (%)	2399	20.67	0.1300	20.86	0.1736	0.0597	17	-1.14	0%	0

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005.05	Ash, 3h @ 550°C (%)	0139	20.68	0.0200	20.86	0.1736	0.0597	17	-1.05	0%	0
005.05	Ash, 3h @ 550°C (%)	2050	20.69	0.1200	20.86	0.1736	0.0597	17	-1.00	0%	0
005.05	Ash, 3h @ 550°C (%)	2444	20.74	0.0100	20.86	0.1736	0.0597	17	-0.74	0%	0
005.05	Ash, 3h @ 550°C (%)	1021	20.74	0.0800	20.86	0.1736	0.0597	17	-0.71	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	20.81	0.0700	20.86	0.1736	0.0597	17	-0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	20.88	0.0900	20.86	0.1736	0.0597	17	0.07	0%	0
005.05	Ash, 3h @ 550°C (%)	2420	20.88	0.0000	20.86	0.1736	0.0597	17	0.10	0%	0
005.05	Ash, 3h @ 550°C (%)	2424	20.91	0.0855	20.86	0.1736	0.0597	17	0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	20.96	0.0400	20.86	0.1736	0.0597	17	0.56	0%	0
005.05	Ash, 3h @ 550°C (%)	0034	20.97	0.0003	20.86	0.1736	0.0597	17	0.59	0%	0
005.05	Ash, 3h @ 550°C (%)	2419	20.98	0.0300	20.86	0.1736	0.0597	17	0.64	0%	0
005.05	Ash, 3h @ 550°C (%)	2422	21.04	0.0800	20.86	0.1736	0.0597	17	1.02	0%	0
005.05	Ash, 3h @ 550°C (%)	2452	21.05	0.0100	20.86	0.1736	0.0597	17	1.05	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	21.05	0.1000	20.86	0.1736	0.0597	17	1.08	0%	0
005.05	Ash, 3h @ 550°C (%)	2421	21.05	0.0800	20.86	0.1736	0.0597	17	1.08	0%	0
005.05	Ash, 3h @ 550°C (%)	2417	20.58	0.3100	20.86	0.1736	0.0597	17	-1.66	1%	1
005.11	Ash, NIR (%)	0613	18.96	0.0700				2			0
005.11	Ash, NIR (%)	0889	20.16	0.0200				2			0
005.99	Ash, Miscellaneous (%)	0613	20.63	0.0400				3			0
005.99	Ash, Miscellaneous (%)	0914	20.85	0.0700				3			0
005.99	Ash, Miscellaneous (%)	0910	20.95	0.1000				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	1.604	0.0219				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	2.205	0.0700				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0504	1.185	0.0900	2.329	1.272	0.2372	8	-0.90	25%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	1.409	0.2980	2.329	1.272	0.2372	8	-0.72	20%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	1.460	0.0200	2.329	1.272	0.2372	8	-0.68	19%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	1.900	0.3800	2.329	1.272	0.2372	8	-0.34	9%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	1.926	0.0550	2.329	1.272	0.2372	8	-0.32	9%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	2.950	0.3000	2.329	1.272	0.2372	8	0.49	13%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	3.563	0.2143	2.329	1.272	0.2372	8	0.97	27%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0613	4.860	1.520	2.329	1.272	0.2372	8	1.99	54%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0581	6.170	3.420	2.329	1.272	0.2372	8	3.02	82%	1
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0226	7.485	0.0500				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0309	8.551	0.0751				2			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	5.215	0.1700	8.531	2.807	0.8892	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	6.619	0.9913	8.531	2.807	0.8892	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	8.068	0.2745	8.531	2.807	0.8892	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0504	10.91	0.6200	8.531	2.807	0.8892	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0581	11.85	2.390	8.531	2.807	0.8892	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0613	34.12	32.28	8.531	2.807	0.8892	5			1
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	7.333	0.0250				1			0
010.11	Moisture, NIR (%)	0889	6.530	0.0600				1			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
010.99	Moisture, Miscellaneous (%)	2409	6.675	0.2100				2			0
010.99	Moisture, Miscellaneous (%)	2089	7.290	0.0000				2			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0880	6.375	0.0100	7.895	0.3413	0.0923	17	-4.46	10%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	1019	7.265	0.0100	7.895	0.3413	0.0923	17	-1.85	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	7.400	0.2000	7.895	0.3413	0.0923	17	-1.45	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	7.635	0.0300	7.895	0.3413	0.0923	17	-0.76	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	7.785	0.1100	7.895	0.3413	0.0923	17	-0.32	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2312	7.825	0.5100	7.895	0.3413	0.0923	17	-0.21	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0309	7.885	0.0700	7.895	0.3413	0.0923	17	-0.03	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	7.930	0.0200	7.895	0.3413	0.0923	17	0.10	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	7.940	0.0800	7.895	0.3413	0.0923	17	0.13	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	7.990	0.5200	7.895	0.3413	0.0923	17	0.28	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0554	7.990	0.0000	7.895	0.3413	0.0923	17	0.28	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	8.080	0.0251	7.895	0.3413	0.0923	17	0.54	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	8.080	0.0800	7.895	0.3413	0.0923	17	0.54	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0226	8.090	0.0600	7.895	0.3413	0.0923	17	0.57	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	8.145	0.1300	7.895	0.3413	0.0923	17	0.73	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	8.274	0.1267	7.895	0.3413	0.0923	17	1.11	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2373	8.430	0.0000	7.895	0.3413	0.0923	17	1.57	3%	0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0417	7.990	0.0800				2			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	8.055	0.0100				2			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0407	0.0977	0.0455				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0870	0.1410	0.0120				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	2089	1.755	0.1100				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0407	0.8675	0.0169				1			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2220	10.24	0.7800				3			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0309	10.33	0.1202				3			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2219	10.48	0.1000				3			0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2415	5.810	0.4000	9.904	1.280	0.3785	31	-3.20	21%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0914	5.930	0.0800	9.904	1.280	0.3785	31	-3.10	20%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0656	7.370	0.0000	9.904	1.280	0.3785	31	-1.98	13%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2399	7.860	0.6200	9.904	1.280	0.3785	31	-1.60	10%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2395	8.210	0.6000	9.904	1.280	0.3785	31	-1.32	9%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2293	8.270	0.3200	9.904	1.280	0.3785	31	-1.28	8%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2361	8.490	0.9600	9.904	1.280	0.3785	31	-1.10	7%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2312	8.895	0.0500	9.904	1.280	0.3785	31	-0.79	5%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0098	8.940	0.3800	9.904	1.280	0.3785	31	-0.75	5%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2362	9.845	1.650	9.904	1.280	0.3785	31	-0.05	0%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2252	9.895	1.110	9.904	1.280	0.3785	31	-0.01	0%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2419	10.20	0.1800	9.904	1.280	0.3785	31	0.23	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2421	10.36	0.4100	9.904	1.280	0.3785	31	0.35	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2385	10.36	0.0600	9.904	1.280	0.3785	31	0.36	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2424	10.37	0.1600	9.904	1.280	0.3785	31	0.36	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2417	10.37	0.0800	9.904	1.280	0.3785	31	0.36	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2330	10.44	0.5200	9.904	1.280	0.3785	31	0.42	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2452	10.45	0.2900	9.904	1.280	0.3785	31	0.42	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2408	10.45	0.4200	9.904	1.280	0.3785	31	0.43	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2422	10.45	0.1600	9.904	1.280	0.3785	31	0.43	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0870	10.47	0.3759	9.904	1.280	0.3785	31	0.44	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2420	10.53	0.1800	9.904	1.280	0.3785	31	0.49	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2380	10.53	0.2200	9.904	1.280	0.3785	31	0.49	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2382	10.57	0.3500	9.904	1.280	0.3785	31	0.52	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2396	10.62	0.2000	9.904	1.280	0.3785	31	0.56	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0407	10.64	0.0160	9.904	1.280	0.3785	31	0.57	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2156	10.68	0.1600	9.904	1.280	0.3785	31	0.61	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0164	10.69	0.1000	9.904	1.280	0.3785	31	0.61	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	1021	10.74	1.330	9.904	1.280	0.3785	31	0.65	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0139	11.96	0.9100	9.904	1.280	0.3785	31	1.60	10%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	1022	12.57	0.7400	9.904	1.280	0.3785	31	2.08	13%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2124	10.06	0.7000				2			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0845	10.40	0.0300				2			0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0581	9.020	0.3400	9.624	0.5392	0.3556	6	-1.12	3%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0511	9.305	0.9100	9.624	0.5392	0.3556	6	-0.59	2%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0407	9.606	0.1730	9.624	0.5392	0.3556	6	-0.03	0%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0876	9.670	0.4400	9.624	0.5392	0.3556	6	0.09	0%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0034	9.710	0.3400	9.624	0.5392	0.3556	6	0.16	0%	0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0074	11.36	0.1300	9.624	0.5392	0.3556	6	3.21	9%	0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	910.7	1.118				1			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	975.0	32.00				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	1,038	34.97				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0226	1,410	36.00				3			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	1,210	76.93				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	5.691	0.0001				1			0
017.43	Boron, ICP, Microwave (ppm)	0226	5.830	0.0000	6.854	1.097	0.3729	4			0
017.43	Boron, ICP, Microwave (ppm)	0510	6.000	0.0000	6.854	1.097	0.3729	4			0
017.43	Boron, ICP, Microwave (ppm)	0407	7.607	0.4258	6.854	1.097	0.3729	4			0
017.43	Boron, ICP, Microwave (ppm)	0918	7.980	0.3200	6.854	1.097	0.3729	4			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	7.379	0.8365				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	3.975	0.1100				2			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2373	5.735	0.0100				2			0
019.31	Calcium, AAS, Dry ash (%)	0142	4.758	0.0179	4.970	0.1535	0.0780	4			0
019.31	Calcium, AAS, Dry ash (%)	0656	4.960	0.0000	4.970	0.1535	0.0780	4			0
019.31	Calcium, AAS, Dry ash (%)	0529	5.060	0.1600	4.970	0.1535	0.0780	4			0
019.31	Calcium, AAS, Dry ash (%)	0001	5.103	0.0560	4.970	0.1535	0.0780	4			0

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019.41	Calcium, ICP, Dry ash (%)	0139	4.635	0.0500	4.964	0.2402	0.1257	13	-1.37	3%	0
019.41	Calcium, ICP, Dry ash (%)	1020	4.670	0.1600	4.964	0.2402	0.1257	13	-1.22	3%	0
019.41	Calcium, ICP, Dry ash (%)	1022	4.705	0.0500	4.964	0.2402	0.1257	13	-1.08	3%	0
019.41	Calcium, ICP, Dry ash (%)	0098	4.815	0.1500	4.964	0.2402	0.1257	13	-0.62	1%	0
019.41	Calcium, ICP, Dry ash (%)	2399	4.870	0.0400	4.964	0.2402	0.1257	13	-0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	1021	4.965	0.0900	4.964	0.2402	0.1257	13	0.01	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	4.995	0.0500	4.964	0.2402	0.1257	13	0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	0407	5.048	0.1914	4.964	0.2402	0.1257	13	0.35	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	5.065	0.0300	4.964	0.2402	0.1257	13	0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0910	5.100	0.5200	4.964	0.2402	0.1257	13	0.57	1%	0
019.41	Calcium, ICP, Dry ash (%)	0164	5.165	0.2500	4.964	0.2402	0.1257	13	0.84	2%	0
019.41	Calcium, ICP, Dry ash (%)	0619	5.185	0.1700	4.964	0.2402	0.1257	13	0.92	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	5.310	0.1400	4.964	0.2402	0.1257	13	1.44	3%	0
019.42	Calcium, ICP, Open vessel (%)	0613	4.925	0.4300				3			0
019.42	Calcium, ICP, Open vessel (%)	0870	5.289	0.2960				3			0
019.42	Calcium, ICP, Open vessel (%)	0504	5.345	0.1790				3			0
019.43	Calcium, ICP, Microwave (%)	0510	4.385	0.1500	4.970	0.2117	0.0790	14	-2.77	6%	0
019.43	Calcium, ICP, Microwave (%)	2033	4.706	0.0214	4.970	0.2117	0.0790	14	-1.25	3%	0
019.43	Calcium, ICP, Microwave (%)	2124	4.720	0.0200	4.970	0.2117	0.0790	14	-1.18	3%	0
019.43	Calcium, ICP, Microwave (%)	0001	4.790	0.0800	4.970	0.2117	0.0790	14	-0.85	2%	0
019.43	Calcium, ICP, Microwave (%)	0511	4.950	0.0400	4.970	0.2117	0.0790	14	-0.10	0%	0
019.43	Calcium, ICP, Microwave (%)	0407	4.986	0.1413	4.970	0.2117	0.0790	14	0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	2089	5.020	0.0200	4.970	0.2117	0.0790	14	0.23	0%	0
019.43	Calcium, ICP, Microwave (%)	0010	5.025	0.0700	4.970	0.2117	0.0790	14	0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	0051	5.055	0.0050	4.970	0.2117	0.0790	14	0.40	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	5.058	0.0390	4.970	0.2117	0.0790	14	0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	0226	5.060	0.0800	4.970	0.2117	0.0790	14	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	5.105	0.0700	4.970	0.2117	0.0790	14	0.64	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	5.169	0.3040	4.970	0.2117	0.0790	14	0.94	2%	0
019.43	Calcium, ICP, Microwave (%)	0870	5.563	0.3700	4.970	0.2117	0.0790	14	2.80	6%	0
019.43	Calcium, ICP, Microwave (%)	0876	5.390	0.7600	4.970	0.2117	0.0790	14	1.98	4%	1
019.44	Calcium, ICP, Dry ash (%)	1024	4.575	0.0100	5.032	0.3488	0.1217	21	-1.31	5%	0
019.44	Calcium, ICP, Dry ash (%)	1023	4.610	0.0600	5.032	0.3488	0.1217	21	-1.21	4%	0
019.44	Calcium, ICP, Dry ash (%)	2417	4.685	0.3500	5.032	0.3488	0.1217	21	-0.99	3%	0
019.44	Calcium, ICP, Dry ash (%)	2421	4.685	0.1900	5.032	0.3488	0.1217	21	-0.99	3%	0
019.44	Calcium, ICP, Dry ash (%)	2424	4.685	0.0500	5.032	0.3488	0.1217	21	-0.99	3%	0
019.44	Calcium, ICP, Dry ash (%)	2452	4.760	0.0600	5.032	0.3488	0.1217	21	-0.78	3%	0
019.44	Calcium, ICP, Dry ash (%)	2420	4.810	0.0800	5.032	0.3488	0.1217	21	-0.64	2%	0
019.44	Calcium, ICP, Dry ash (%)	2422	4.825	0.0700	5.032	0.3488	0.1217	21	-0.59	2%	0
019.44	Calcium, ICP, Dry ash (%)	2419	4.865	0.0500	5.032	0.3488	0.1217	21	-0.48	2%	0
019.44	Calcium, ICP, Dry ash (%)	2362	4.895	0.4300	5.032	0.3488	0.1217	21	-0.39	1%	0
019.44	Calcium, ICP, Dry ash (%)	2220	5.070	0.1600	5.032	0.3488	0.1217	21	0.11	0%	0

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019.44	Calcium, ICP, Dry ash (%)	2252	5.170	0.4000	5.032	0.3488	0.1217	21	0.40	1%	0
019.44	Calcium, ICP, Dry ash (%)	2408	5.205	0.1100	5.032	0.3488	0.1217	21	0.50	2%	0
019.44	Calcium, ICP, Dry ash (%)	2156	5.240	0.1600	5.032	0.3488	0.1217	21	0.60	2%	0
019.44	Calcium, ICP, Dry ash (%)	2331	5.261	0.0300	5.032	0.3488	0.1217	21	0.66	2%	0
019.44	Calcium, ICP, Dry ash (%)	2293	5.285	0.1090	5.032	0.3488	0.1217	21	0.72	3%	0
019.44	Calcium, ICP, Dry ash (%)	2361	5.330	0.0200	5.032	0.3488	0.1217	21	0.85	3%	0
019.44	Calcium, ICP, Dry ash (%)	2395	5.385	0.0700	5.032	0.3488	0.1217	21	1.01	4%	0
019.44	Calcium, ICP, Dry ash (%)	2396	5.420	0.0200	5.032	0.3488	0.1217	21	1.11	4%	0
019.44	Calcium, ICP, Dry ash (%)	2330	5.435	0.1700	5.032	0.3488	0.1217	21	1.16	4%	0
019.44	Calcium, ICP, Dry ash (%)	2219	5.473	0.3300	5.032	0.3488	0.1217	21	1.26	4%	0
019.53	Calcium, ICP-MS, Microwave (%)	0407	4.921	0.2241				2			0
019.53	Calcium, ICP-MS, Microwave (%)	2409	5.289	0.0990				2			0
019.99	Calcium, Miscellaneous (%)	0242	4.540	0.1400				2			0
019.99	Calcium, Miscellaneous (%)	0889	4.570	0.1000				2			0
021.00	Cobalt, Color (ppm)	0226	1.850	0.0200				1			0
021.31	Cobalt, AAS, Dry ash (ppm)	0164	1.850	0.1000				1			0
021.41	Cobalt, ICP, Dry ash (ppm)	0910	1.095	0.0300				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	2.046	0.0708				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	1.680	0.0200				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	2.100	0.0034				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	2.169	0.1705				1			0
022.31	Copper, AAS, Dry ash (ppm)	0656	< 0.1514					0			5
022.31	Copper, AAS, Dry ash (ppm)	0529	< 9.6					0			5
022.41	Copper, ICP, Dry ash (ppm)	0407	2.434	0.8646	3.874	0.5904	0.4139	8	-2.44	19%	0
022.41	Copper, ICP, Dry ash (ppm)	2399	3.386	0.1400	3.874	0.5904	0.4139	8	-0.83	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	3.550	0.5000	3.874	0.5904	0.4139	8	-0.55	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0074	4.000	2.000	3.874	0.5904	0.4139	8	0.21	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	4.080	0.1600	3.874	0.5904	0.4139	8	0.35	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	4.160	0.2800	3.874	0.5904	0.4139	8	0.48	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0139	4.265	0.1880	3.874	0.5904	0.4139	8	0.66	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	4.565	0.1900	3.874	0.5904	0.4139	8	1.17	9%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	3.502	0.2130				2			0
022.42	Copper, ICP, Open vessel (ppm)	0613	4.370	3.520				2			0
022.43	Copper, ICP, Microwave (ppm)	0510	3.000	0.0000	3.545	0.5121	0.3797	13	-1.06	8%	0
022.43	Copper, ICP, Microwave (ppm)	0511	3.000	0.0000	3.545	0.5121	0.3797	13	-1.06	8%	0
022.43	Copper, ICP, Microwave (ppm)	0407	3.111	0.4030	3.545	0.5121	0.3797	13	-0.85	6%	0
022.43	Copper, ICP, Microwave (ppm)	0028	3.155	0.5700	3.545	0.5121	0.3797	13	-0.76	5%	0
022.43	Copper, ICP, Microwave (ppm)	0098	3.205	0.5100	3.545	0.5121	0.3797	13	-0.66	5%	0
022.43	Copper, ICP, Microwave (ppm)	0870	3.504	0.0540	3.545	0.5121	0.3797	13	-0.08	1%	0
022.43	Copper, ICP, Microwave (ppm)	0001	3.535	0.2900	3.545	0.5121	0.3797	13	-0.02	0%	0
022.43	Copper, ICP, Microwave (ppm)	2124	3.560	0.8400	3.545	0.5121	0.3797	13	0.03	0%	0
022.43	Copper, ICP, Microwave (ppm)	0918	3.660	0.0400	3.545	0.5121	0.3797	13	0.23	2%	0

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022.43	Copper, ICP, Microwave (ppm)	0051	3.835	0.1900	3.545	0.5121	0.3797	13	0.57	4%	0
022.43	Copper, ICP, Microwave (ppm)	0226	3.890	0.0600	3.545	0.5121	0.3797	13	0.67	5%	0
022.43	Copper, ICP, Microwave (ppm)	2033	4.900	0.0000	3.545	0.5121	0.3797	13	2.65	19%	0
022.43	Copper, ICP, Microwave (ppm)	2089	5.440	0.8400	3.545	0.5121	0.3797	13	3.70	27%	0
022.44	Copper, ICP, Dry ash (ppm)	1023	3.722	0.0530	6.963	4.195	1.028	14	-0.77	23%	0
022.44	Copper, ICP, Dry ash (ppm)	2395	3.905	0.0700	6.963	4.195	1.028	14	-0.73	22%	0
022.44	Copper, ICP, Dry ash (ppm)	2293	3.986	0.3340	6.963	4.195	1.028	14	-0.71	21%	0
022.44	Copper, ICP, Dry ash (ppm)	2361	4.015	0.4100	6.963	4.195	1.028	14	-0.70	21%	0
022.44	Copper, ICP, Dry ash (ppm)	1024	4.118	0.5460	6.963	4.195	1.028	14	-0.68	20%	0
022.44	Copper, ICP, Dry ash (ppm)	1022	4.363	0.1360	6.963	4.195	1.028	14	-0.62	19%	0
022.44	Copper, ICP, Dry ash (ppm)	0910	4.500	1.000	6.963	4.195	1.028	14	-0.59	18%	0
022.44	Copper, ICP, Dry ash (ppm)	2362	6.485	1.290	6.963	4.195	1.028	14	-0.11	3%	0
022.44	Copper, ICP, Dry ash (ppm)	2408	6.655	4.310	6.963	4.195	1.028	14	-0.07	2%	0
022.44	Copper, ICP, Dry ash (ppm)	2219	7.587	1.777	6.963	4.195	1.028	14	0.15	4%	0
022.44	Copper, ICP, Dry ash (ppm)	2220	8.575	3.450	6.963	4.195	1.028	14	0.38	12%	0
022.44	Copper, ICP, Dry ash (ppm)	2156	13.15	0.2800	6.963	4.195	1.028	14	1.47	44%	0
022.44	Copper, ICP, Dry ash (ppm)	1021	13.16	0.7000	6.963	4.195	1.028	14	1.48	45%	0
022.44	Copper, ICP, Dry ash (ppm)	2252	13.70	2.400	6.963	4.195	1.028	14	1.61	48%	0
022.44	Copper, ICP, Dry ash (ppm)	2330	7.375	7.050	6.963	4.195	1.028	14	0.10	3%	1
022.53	Copper, ICP-MS, Microwave (ppm)	2409	2.701	0.0700				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	3.546	0.1508				2			0
022.99	Copper, Miscellaneous (ppm)	0242	1.500	1.000				1			0
025.31	Iron, AAS, Dry ash (ppm)	0656	891.0	0.0000				3			0
025.31	Iron, AAS, Dry ash (ppm)	0529	948.3	8.500				3			0
025.31	Iron, AAS, Dry ash (ppm)	0001	953.5	29.20				3			0
025.41	Iron, ICP, Dry ash (ppm)	0619	765.5	15.00	909.2	73.00	25.28	8	-1.97	8%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	851.5	19.00	909.2	73.00	25.28	8	-0.79	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	869.7	18.56	909.2	73.00	25.28	8	-0.54	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	921.9	11.90	909.2	73.00	25.28	8	0.17	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0226	928.5	26.93	909.2	73.00	25.28	8	0.26	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	937.0	14.00	909.2	73.00	25.28	8	0.38	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0910	982.0	46.00	909.2	73.00	25.28	8	1.00	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	983.5	55.00	909.2	73.00	25.28	8	1.02	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0613	887.8	48.35				3			0
025.42	Iron, ICP, Open vessel (ppm)	0870	921.3	49.50				3			0
025.42	Iron, ICP, Open vessel (ppm)	0504	1,067	75.00				3			0
025.43	Iron, ICP, Microwave (ppm)	0028	788.8	89.32	948.5	77.52	38.02	16	-2.06	8%	0
025.43	Iron, ICP, Microwave (ppm)	0510	808.5	37.00	948.5	77.52	38.02	16	-1.81	7%	0
025.43	Iron, ICP, Microwave (ppm)	0511	863.0	48.00	948.5	77.52	38.02	16	-1.10	5%	0
025.43	Iron, ICP, Microwave (ppm)	0407	890.5	42.62	948.5	77.52	38.02	16	-0.75	3%	0
025.43	Iron, ICP, Microwave (ppm)	2124	906.9	6.930	948.5	77.52	38.02	16	-0.54	2%	0
025.43	Iron, ICP, Microwave (ppm)	0010	941.2	12.80	948.5	77.52	38.02	16	-0.09	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
025.43	Iron, ICP, Microwave (ppm)	2033	946.9	21.20	948.5	77.52	38.02	16	-0.02	0%	0
025.43	Iron, ICP, Microwave (ppm)	0226	957.6	13.94	948.5	77.52	38.02	16	0.12	0%	0
025.43	Iron, ICP, Microwave (ppm)	0918	960.6	51.59	948.5	77.52	38.02	16	0.16	1%	0
025.43	Iron, ICP, Microwave (ppm)	0027	972.6	30.28	948.5	77.52	38.02	16	0.31	1%	0
025.43	Iron, ICP, Microwave (ppm)	0870	979.8	52.50	948.5	77.52	38.02	16	0.40	2%	0
025.43	Iron, ICP, Microwave (ppm)	0098	988.8	30.50	948.5	77.52	38.02	16	0.52	2%	0
025.43	Iron, ICP, Microwave (ppm)	0051	993.6	32.41	948.5	77.52	38.02	16	0.58	2%	0
025.43	Iron, ICP, Microwave (ppm)	0001	1,005	10.00	948.5	77.52	38.02	16	0.73	3%	0
025.43	Iron, ICP, Microwave (ppm)	2089	1,040	65.84	948.5	77.52	38.02	16	1.19	5%	0
025.43	Iron, ICP, Microwave (ppm)	0876	1,102	162.2	948.5	77.52	38.02	16	1.98	8%	0
025.53	Iron, ICP-MS, Microwave (ppm)	2409	980.8	4.421				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	982.2	62.94				2			0
025.99	Iron, Miscellaneous (ppm)	0242	710.0	8.000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.2285	0.0010				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2326	0.0016				3			0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.2500	0.0000				3			0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.2528	0.0114				3			1
027.41	Magnesium, ICP, Dry ash (%)	1020	0.2340	0.0080	0.2464	0.0083	0.0051	12	-1.48	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2400	0.0000	0.2464	0.0083	0.0051	12	-0.76	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1021	0.2410	0.0020	0.2464	0.0083	0.0051	12	-0.64	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1022	0.2435	0.0030	0.2464	0.0083	0.0051	12	-0.34	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.2440	0.0020	0.2464	0.0083	0.0051	12	-0.28	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.2440	0.0020	0.2464	0.0083	0.0051	12	-0.28	0%	0
027.41	Magnesium, ICP, Dry ash (%)	2399	0.2445	0.0030	0.2464	0.0083	0.0051	12	-0.22	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.2450	0.0100	0.2464	0.0083	0.0051	12	-0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.2500	0.0000	0.2464	0.0083	0.0051	12	0.44	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.2550	0.0100	0.2464	0.0083	0.0051	12	1.03	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.2566	0.0009	0.2464	0.0083	0.0051	12	1.22	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.2650	0.0100	0.2464	0.0083	0.0051	12	2.23	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.2650	0.0300	0.2464	0.0083	0.0051	12	2.23	4%	1
027.42	Magnesium, ICP, Open vessel (%)	0613	0.2350	0.0100				3			0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2389	0.0027				3			0
027.42	Magnesium, ICP, Open vessel (%)	0504	0.2840	0.0980				3			0
027.43	Magnesium, ICP, Microwave (%)	0028	0.2000	0.0400	0.2457	0.0198	0.0129	15	-2.30	9%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.2000	0.0000	0.2457	0.0198	0.0129	15	-2.30	9%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.2300	0.0000	0.2457	0.0198	0.0129	15	-0.79	3%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.2350	0.0100	0.2457	0.0198	0.0129	15	-0.54	2%	0
027.43	Magnesium, ICP, Microwave (%)	0001	0.2360	0.0100	0.2457	0.0198	0.0129	15	-0.49	2%	0
027.43	Magnesium, ICP, Microwave (%)	0051	0.2414	0.0015	0.2457	0.0198	0.0129	15	-0.22	1%	0
027.43	Magnesium, ICP, Microwave (%)	0010	0.2460	0.0060	0.2457	0.0198	0.0129	15	0.02	0%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.2471	0.0034	0.2457	0.0198	0.0129	15	0.07	0%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.2490	0.0040	0.2457	0.0198	0.0129	15	0.17	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
027.43	Magnesium, ICP, Microwave (%)	0098	0.2500	0.0000	0.2457	0.0198	0.0129	15	0.22	1%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.2503	0.0088	0.2457	0.0198	0.0129	15	0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.2600	0.0000	0.2457	0.0198	0.0129	15	0.72	3%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.2632	0.0363	0.2457	0.0198	0.0129	15	0.88	4%	0
027.43	Magnesium, ICP, Microwave (%)	0226	0.2700	0.0000	0.2457	0.0198	0.0129	15	1.23	5%	0
027.43	Magnesium, ICP, Microwave (%)	0876	0.2800	0.0200	0.2457	0.0198	0.0129	15	1.73	7%	0
027.44	Magnesium, ICP, Dry ash (%)	2421	0.2275	0.0010	0.2448	0.0112	0.0107	20	-1.54	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2362	0.2280	0.0180	0.2448	0.0112	0.0107	20	-1.50	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2452	0.2315	0.0010	0.2448	0.0112	0.0107	20	-1.19	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2417	0.2320	0.0180	0.2448	0.0112	0.0107	20	-1.14	3%	0
027.44	Magnesium, ICP, Dry ash (%)	1024	0.2385	0.0030	0.2448	0.0112	0.0107	20	-0.56	1%	0
027.44	Magnesium, ICP, Dry ash (%)	1023	0.2400	0.0000	0.2448	0.0112	0.0107	20	-0.43	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2420	0.2400	0.0020	0.2448	0.0112	0.0107	20	-0.43	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2424	0.2420	0.0020	0.2448	0.0112	0.0107	20	-0.25	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.2435	0.0270	0.2448	0.0112	0.0107	20	-0.12	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2422	0.2440	0.0000	0.2448	0.0112	0.0107	20	-0.07	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2331	0.2480	0.0040	0.2448	0.0112	0.0107	20	0.29	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.2495	0.0050	0.2448	0.0112	0.0107	20	0.42	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.2500	0.0200	0.2448	0.0112	0.0107	20	0.46	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.2500	0.0200	0.2448	0.0112	0.0107	20	0.46	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2408	0.2500	0.0200	0.2448	0.0112	0.0107	20	0.46	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2419	0.2500	0.0020	0.2448	0.0112	0.0107	20	0.46	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2361	0.2540	0.0040	0.2448	0.0112	0.0107	20	0.82	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2396	0.2555	0.0070	0.2448	0.0112	0.0107	20	0.95	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2330	0.2600	0.0000	0.2448	0.0112	0.0107	20	1.36	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2395	0.2700	0.0400	0.2448	0.0112	0.0107	20	2.25	5%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.3550	0.2500	0.2448	0.0112	0.0107	20	9.84	23%	1
027.53	Magnesium, ICP-MS, Microwave (%)	2409	0.2425	0.0010				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.2601	0.0130				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.2500	0.0000				2			0
027.99	Magnesium, Miscellaneous (%)	0889	0.2500	0.0000				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	53.04	0.0000				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	60.10	0.2000				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0001	62.68	0.5200				3			0
028.41	Manganese, ICP, Dry ash (ppm)	0407	54.09	2.115	57.96	2.789	0.4828	12	-1.39	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0619	54.85	0.1000	57.96	2.789	0.4828	12	-1.12	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	55.75	0.1000	57.96	2.789	0.4828	12	-0.79	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	1021	56.76	0.1300	57.96	2.789	0.4828	12	-0.43	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	57.00	2.000	57.96	2.789	0.4828	12	-0.34	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0139	57.69	0.2600	57.96	2.789	0.4828	12	-0.10	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	1022	58.28	0.6200	57.96	2.789	0.4828	12	0.11	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	58.60	0.5300	57.96	2.789	0.4828	12	0.23	1%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
028.41	Manganese, ICP, Dry ash (ppm)	2399	58.88	0.1300	57.96	2.789	0.4828	12	0.33	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0074	60.50	1.000	57.96	2.789	0.4828	12	0.91	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	61.00	0.1200	57.96	2.789	0.4828	12	1.09	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	2396	68.71	0.3200	57.96	2.789	0.4828	12	3.85	9%	0
028.41	Manganese, ICP, Dry ash (ppm)	0910	62.00	4.000	57.96	2.789	0.4828	12	1.45	3%	1
028.42	Manganese, ICP, Open vessel (ppm)	0870	53.97	2.710				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0613	58.29	17.01				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0504	63.95	1.900				3			0
028.43	Manganese, ICP, Microwave (ppm)	0028	49.28	6.530	57.85	4.825	1.707	16	-1.78	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	49.50	1.000	57.85	4.825	1.707	16	-1.73	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	52.50	3.000	57.85	4.825	1.707	16	-1.11	5%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	53.88	1.030	57.85	4.825	1.707	16	-0.82	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	55.48	2.251	57.85	4.825	1.707	16	-0.49	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	56.87	0.7800	57.85	4.825	1.707	16	-0.20	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0010	58.25	1.500	57.85	4.825	1.707	16	0.08	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2033	58.30	0.6000	57.85	4.825	1.707	16	0.09	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0226	58.87	0.9700	57.85	4.825	1.707	16	0.21	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	59.48	2.240	57.85	4.825	1.707	16	0.34	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	59.66	2.360	57.85	4.825	1.707	16	0.38	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0001	60.25	2.100	57.85	4.825	1.707	16	0.50	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	61.45	1.690	57.85	4.825	1.707	16	0.75	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0051	61.54	0.0600	57.85	4.825	1.707	16	0.77	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	62.72	0.7570	57.85	4.825	1.707	16	1.01	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0876	66.60	8.860	57.85	4.825	1.707	16	1.81	8%	0
028.44	Manganese, ICP, Dry ash (ppm)	2421	54.71	0.8700	60.81	5.405	1.791	19	-1.13	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2417	55.04	4.400	60.81	5.405	1.791	19	-1.07	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2452	55.40	1.180	60.81	5.405	1.791	19	-1.00	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	1024	56.15	0.4100	60.81	5.405	1.791	19	-0.86	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2422	56.27	0.0200	60.81	5.405	1.791	19	-0.84	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2420	56.29	0.8600	60.81	5.405	1.791	19	-0.84	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	1023	56.44	0.7800	60.81	5.405	1.791	19	-0.81	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2424	56.48	0.0100	60.81	5.405	1.791	19	-0.80	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2419	58.21	0.0900	60.81	5.405	1.791	19	-0.48	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2362	61.63	4.910	60.81	5.405	1.791	19	0.15	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2252	64.37	0.5600	60.81	5.405	1.791	19	0.66	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2219	64.60	5.400	60.81	5.405	1.791	19	0.70	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2220	64.63	2.710	60.81	5.405	1.791	19	0.71	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2156	64.87	0.4600	60.81	5.405	1.791	19	0.75	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2408	64.93	1.040	60.81	5.405	1.791	19	0.76	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2293	65.04	3.490	60.81	5.405	1.791	19	0.78	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2361	66.34	3.900	60.81	5.405	1.791	19	1.02	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2330	66.99	3.120	60.81	5.405	1.791	19	1.14	5%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
028.44	Manganese, ICP, Dry ash (ppm)	2395	67.08	0.7000	60.81	5.405	1.791	19	1.16	5%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	2409	56.96	0.3550				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	61.41	3.612				2			0
028.99	Manganese, Miscellaneous (ppm)	0242	56.00	0.0000				1			0
031.01	Phosphorus, Photometric (%)	2302	2.455	0.0300				3			0
031.01	Phosphorus, Photometric (%)	0142	2.888	0.0845				3			0
031.01	Phosphorus, Photometric (%)	0529	3.130	0.0000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	3.057	0.0270				1			0
031.41	Phosphorus, ICP, Dry ash (%)	1020	2.900	0.1000	3.062	0.1327	0.0705	11	-1.22	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	2.925	0.0420	3.062	0.1327	0.0705	11	-1.03	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	1021	2.960	0.0600	3.062	0.1327	0.0705	11	-0.77	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	3.020	0.2200	3.062	0.1327	0.0705	11	-0.32	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	3.030	0.0200	3.062	0.1327	0.0705	11	-0.24	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2399	3.030	0.0800	3.062	0.1327	0.0705	11	-0.24	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	3.060	0.0600	3.062	0.1327	0.0705	11	-0.02	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	3.110	0.0800	3.062	0.1327	0.0705	11	0.36	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	3.175	0.1300	3.062	0.1327	0.0705	11	0.85	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	3.213	0.0137	3.062	0.1327	0.0705	11	1.14	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	3.325	0.0500	3.062	0.1327	0.0705	11	1.98	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	3.425	0.9700	3.062	0.1327	0.0705	11	2.73	6%	1
031.42	Phosphorus, ICP, Open vessel (%)	0613	2.925	0.1500				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0504	2.994	0.0710				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	3.111	0.0560				3			0
031.43	Phosphorus, ICP, Microwave (%)	0510	2.750	0.0400	3.160	0.2197	0.0973	14	-1.87	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	2.935	0.2300	3.160	0.2197	0.0973	14	-1.02	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	2.970	0.0400	3.160	0.2197	0.0973	14	-0.87	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	2.985	0.0300	3.160	0.2197	0.0973	14	-0.80	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	3.075	0.0700	3.160	0.2197	0.0973	14	-0.39	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	3.090	0.0350	3.160	0.2197	0.0973	14	-0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0051	3.119	0.0095	3.160	0.2197	0.0973	14	-0.19	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	3.195	0.0090	3.160	0.2197	0.0973	14	0.16	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	3.205	0.0700	3.160	0.2197	0.0973	14	0.20	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	3.261	0.0640	3.160	0.2197	0.0973	14	0.46	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	3.321	0.2364	3.160	0.2197	0.0973	14	0.73	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0876	3.370	0.4400	3.160	0.2197	0.0973	14	0.95	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	3.397	0.2226	3.160	0.2197	0.0973	14	1.08	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0226	3.495	0.0500	3.160	0.2197	0.0973	14	1.52	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	2417	2.705	0.2300	3.174	0.3772	0.0974	22	-1.24	7%	0
031.44	Phosphorus, ICP, Dry ash (%)	2424	2.730	0.0000	3.174	0.3772	0.0974	22	-1.18	7%	0
031.44	Phosphorus, ICP, Dry ash (%)	2422	2.765	0.0500	3.174	0.3772	0.0974	22	-1.08	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2420	2.770	0.0200	3.174	0.3772	0.0974	22	-1.07	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2421	2.770	0.0600	3.174	0.3772	0.0974	22	-1.07	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
031.44	Phosphorus, ICP, Dry ash (%)	2419	2.800	0.0400	3.174	0.3772	0.0974	22	-0.99	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2452	2.825	0.0900	3.174	0.3772	0.0974	22	-0.92	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	1024	2.875	0.0300	3.174	0.3772	0.0974	22	-0.79	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	1023	2.930	0.0400	3.174	0.3772	0.0974	22	-0.65	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2362	3.225	0.2500	3.174	0.3772	0.0974	22	0.14	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	3.325	0.0100	3.174	0.3772	0.0974	22	0.40	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	3.345	0.0500	3.174	0.3772	0.0974	22	0.45	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	3.415	0.3100	3.174	0.3772	0.0974	22	0.64	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2408	3.415	0.1900	3.174	0.3772	0.0974	22	0.64	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	3.420	0.1600	3.174	0.3772	0.0974	22	0.65	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2331	3.424	0.0960	3.174	0.3772	0.0974	22	0.66	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	3.462	0.1510	3.174	0.3772	0.0974	22	0.76	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	2395	3.465	0.0100	3.174	0.3772	0.0974	22	0.77	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	2361	3.490	0.0800	3.174	0.3772	0.0974	22	0.84	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	2396	3.520	0.0200	3.174	0.3772	0.0974	22	0.92	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	3.574	0.2260	3.174	0.3772	0.0974	22	1.06	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2330	3.575	0.0100	3.174	0.3772	0.0974	22	1.06	6%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	2033	2.798	0.0264				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2409	3.353	0.0640				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	3.517	0.1988				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	2.810	0.0600				2			0
031.99	Phosphorus, Miscellaneous (%)	0889	2.993	0.0050				2			0
032.31	Potassium, AAS, Dry ash (%)	0142	1.178	0.0831				3			0
032.31	Potassium, AAS, Dry ash (%)	0529	1.200	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0656	1.320	0.0000				3			0
032.41	Potassium, ICP, Dry ash (%)	1020	1.170	0.0400	1.233	0.0588	0.0229	12	-1.06	3%	0
032.41	Potassium, ICP, Dry ash (%)	1021	1.185	0.0100	1.233	0.0588	0.0229	12	-0.81	2%	0
032.41	Potassium, ICP, Dry ash (%)	0619	1.200	0.0000	1.233	0.0588	0.0229	12	-0.55	1%	0
032.41	Potassium, ICP, Dry ash (%)	1022	1.200	0.0000	1.233	0.0588	0.0229	12	-0.55	1%	0
032.41	Potassium, ICP, Dry ash (%)	2399	1.200	0.0200	1.233	0.0588	0.0229	12	-0.55	1%	0
032.41	Potassium, ICP, Dry ash (%)	0139	1.210	0.0000	1.233	0.0588	0.0229	12	-0.38	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.215	0.0500	1.233	0.0588	0.0229	12	-0.30	1%	0
032.41	Potassium, ICP, Dry ash (%)	0226	1.230	0.0000	1.233	0.0588	0.0229	12	-0.04	0%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.245	0.0100	1.233	0.0588	0.0229	12	0.21	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.300	0.0200	1.233	0.0588	0.0229	12	1.15	3%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.317	0.0100	1.233	0.0588	0.0229	12	1.43	3%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.320	0.0000	1.233	0.0588	0.0229	12	1.49	4%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.220	0.1000	1.233	0.0588	0.0229	12	-0.21	1%	1
032.42	Potassium, ICP, Open vessel (%)	0613	1.175	0.0500				3			0
032.42	Potassium, ICP, Open vessel (%)	0504	1.193	0.1940				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	1.252	0.0760				3			0
032.43	Potassium, ICP, Microwave (%)	0028	1.045	0.1700	1.211	0.0642	0.0366	15	-2.59	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	0510	1.145	0.0300	1.211	0.0642	0.0366	15	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	2124	1.145	0.0300	1.211	0.0642	0.0366	15	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0511	1.165	0.0300	1.211	0.0642	0.0366	15	-0.72	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	1.190	0.0261	1.211	0.0642	0.0366	15	-0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	0001	1.190	0.0800	1.211	0.0642	0.0366	15	-0.33	1%	0
032.43	Potassium, ICP, Microwave (%)	0226	1.195	0.0100	1.211	0.0642	0.0366	15	-0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.200	0.0400	1.211	0.0642	0.0366	15	-0.18	0%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.236	0.0350	1.211	0.0642	0.0366	15	0.38	1%	0
032.43	Potassium, ICP, Microwave (%)	0870	1.239	0.0190	1.211	0.0642	0.0366	15	0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	0051	1.240	0.0009	1.211	0.0642	0.0366	15	0.45	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.245	0.0100	1.211	0.0642	0.0366	15	0.53	1%	0
032.43	Potassium, ICP, Microwave (%)	0010	1.250	0.0600	1.211	0.0642	0.0366	15	0.60	2%	0
032.43	Potassium, ICP, Microwave (%)	0407	1.322	0.1479	1.211	0.0642	0.0366	15	1.72	5%	0
032.43	Potassium, ICP, Microwave (%)	0876	1.445	0.0100	1.211	0.0642	0.0366	15	3.64	10%	0
032.44	Potassium, ICP, Dry ash (%)	2417	1.150	0.1000	1.240	0.0760	0.0404	21	-1.19	4%	0
032.44	Potassium, ICP, Dry ash (%)	1024	1.160	0.0200	1.240	0.0760	0.0404	21	-1.06	3%	0
032.44	Potassium, ICP, Dry ash (%)	1023	1.165	0.0100	1.240	0.0760	0.0404	21	-0.99	3%	0
032.44	Potassium, ICP, Dry ash (%)	2421	1.165	0.0100	1.240	0.0760	0.0404	21	-0.99	3%	0
032.44	Potassium, ICP, Dry ash (%)	2422	1.170	0.0000	1.240	0.0760	0.0404	21	-0.93	3%	0
032.44	Potassium, ICP, Dry ash (%)	2420	1.175	0.0300	1.240	0.0760	0.0404	21	-0.86	3%	0
032.44	Potassium, ICP, Dry ash (%)	2424	1.185	0.0100	1.240	0.0760	0.0404	21	-0.73	2%	0
032.44	Potassium, ICP, Dry ash (%)	2362	1.190	0.1400	1.240	0.0760	0.0404	21	-0.66	2%	0
032.44	Potassium, ICP, Dry ash (%)	2452	1.195	0.0300	1.240	0.0760	0.0404	21	-0.60	2%	0
032.44	Potassium, ICP, Dry ash (%)	2419	1.205	0.0100	1.240	0.0760	0.0404	21	-0.47	1%	0
032.44	Potassium, ICP, Dry ash (%)	2220	1.245	0.0900	1.240	0.0760	0.0404	21	0.06	0%	0
032.44	Potassium, ICP, Dry ash (%)	2156	1.275	0.0500	1.240	0.0760	0.0404	21	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2252	1.275	0.0900	1.240	0.0760	0.0404	21	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2331	1.281	0.0170	1.240	0.0760	0.0404	21	0.53	2%	0
032.44	Potassium, ICP, Dry ash (%)	2408	1.290	0.0800	1.240	0.0760	0.0404	21	0.65	2%	0
032.44	Potassium, ICP, Dry ash (%)	2293	1.307	0.0430	1.240	0.0760	0.0404	21	0.87	3%	0
032.44	Potassium, ICP, Dry ash (%)	2361	1.310	0.0200	1.240	0.0760	0.0404	21	0.92	3%	0
032.44	Potassium, ICP, Dry ash (%)	2395	1.320	0.0200	1.240	0.0760	0.0404	21	1.05	3%	0
032.44	Potassium, ICP, Dry ash (%)	2396	1.320	0.0200	1.240	0.0760	0.0404	21	1.05	3%	0
032.44	Potassium, ICP, Dry ash (%)	2219	1.327	0.0270	1.240	0.0760	0.0404	21	1.13	3%	0
032.44	Potassium, ICP, Dry ash (%)	2330	1.340	0.0000	1.240	0.0760	0.0404	21	1.31	4%	0
032.53	Potassium, ICP-MS, Microwave (%)	2409	1.224	0.0020				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	1.247	0.1309				2			0
032.99	Potassium, Miscellaneous (%)	0242	1.160	0.0000				3			0
032.99	Potassium, Miscellaneous (%)	0001	1.198	0.0040				3			0
032.99	Potassium, Miscellaneous (%)	0889	1.360	0.0000				3			0
033.00	Salt as chloride, Sol Cl (%)	0309	2.297	0.0067				1			0
033.01	Salt as chloride, Poten Cl (%)	0242	2.290	0.0000				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
033.01	Salt as chloride, Poten Cl (%)	0407	2.312	0.0210				3			0
033.01	Salt as chloride, Poten Cl (%)	0098	2.375	0.0900				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	2.130	0.0400				1			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0164	2.495	0.0700				1			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	2033	2.475	0.0300				1			0
034.51	Selenium, Total (Se), ICP-MS, Dry Ash (ppm)	0910	2.250	0.1000				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	3.159	0.2349				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2428	< 0.5					1			5
035.31	Sodium, AAS, Dry ash (%)	0142	0.8572	0.0087				3			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.8940	0.0060				3			0
035.31	Sodium, AAS, Dry ash (%)	0656	1.080	0.0000				3			0
035.41	Sodium, ICP, Dry ash (%)	2417	0.9100	0.0800	0.9896	0.0509	0.0347	33	-1.57	4%	0
035.41	Sodium, ICP, Dry ash (%)	2421	0.9150	0.0100	0.9896	0.0509	0.0347	33	-1.47	4%	0
035.41	Sodium, ICP, Dry ash (%)	1024	0.9250	0.0100	0.9896	0.0509	0.0347	33	-1.27	3%	0
035.41	Sodium, ICP, Dry ash (%)	1023	0.9400	0.0000	0.9896	0.0509	0.0347	33	-0.98	3%	0
035.41	Sodium, ICP, Dry ash (%)	2420	0.9400	0.0400	0.9896	0.0509	0.0347	33	-0.98	3%	0
035.41	Sodium, ICP, Dry ash (%)	2422	0.9400	0.0200	0.9896	0.0509	0.0347	33	-0.98	3%	0
035.41	Sodium, ICP, Dry ash (%)	2452	0.9450	0.0300	0.9896	0.0509	0.0347	33	-0.88	2%	0
035.41	Sodium, ICP, Dry ash (%)	2362	0.9500	0.1200	0.9896	0.0509	0.0347	33	-0.78	2%	0
035.41	Sodium, ICP, Dry ash (%)	2424	0.9550	0.0100	0.9896	0.0509	0.0347	33	-0.68	2%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.9605	0.0030	0.9896	0.0509	0.0347	33	-0.57	1%	0
035.41	Sodium, ICP, Dry ash (%)	1020	0.9650	0.0300	0.9896	0.0509	0.0347	33	-0.48	1%	0
035.41	Sodium, ICP, Dry ash (%)	1022	0.9700	0.0000	0.9896	0.0509	0.0347	33	-0.39	1%	0
035.41	Sodium, ICP, Dry ash (%)	2419	0.9700	0.0000	0.9896	0.0509	0.0347	33	-0.39	1%	0
035.41	Sodium, ICP, Dry ash (%)	2399	0.9750	0.0100	0.9896	0.0509	0.0347	33	-0.29	1%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.9750	0.0900	0.9896	0.0509	0.0347	33	-0.29	1%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.9800	0.0000	0.9896	0.0509	0.0347	33	-0.19	0%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.9800	0.0800	0.9896	0.0509	0.0347	33	-0.19	0%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.9850	0.0100	0.9896	0.0509	0.0347	33	-0.09	0%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.9850	0.0300	0.9896	0.0509	0.0347	33	-0.09	0%	0
035.41	Sodium, ICP, Dry ash (%)	0226	1.005	0.0100	0.9896	0.0509	0.0347	33	0.30	1%	0
035.41	Sodium, ICP, Dry ash (%)	2331	1.019	0.0230	0.9896	0.0509	0.0347	33	0.57	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	1.020	0.0000	0.9896	0.0509	0.0347	33	0.60	2%	0
035.41	Sodium, ICP, Dry ash (%)	2156	1.020	0.0200	0.9896	0.0509	0.0347	33	0.60	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	1.021	0.0580	0.9896	0.0509	0.0347	33	0.62	2%	0
035.41	Sodium, ICP, Dry ash (%)	2252	1.025	0.0700	0.9896	0.0509	0.0347	33	0.70	2%	0
035.41	Sodium, ICP, Dry ash (%)	2408	1.025	0.0500	0.9896	0.0509	0.0347	33	0.70	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	1.025	0.0110	0.9896	0.0509	0.0347	33	0.70	2%	0
035.41	Sodium, ICP, Dry ash (%)	2293	1.038	0.0430	0.9896	0.0509	0.0347	33	0.94	2%	0
035.41	Sodium, ICP, Dry ash (%)	2361	1.045	0.0300	0.9896	0.0509	0.0347	33	1.09	3%	0
035.41	Sodium, ICP, Dry ash (%)	2396	1.055	0.0300	0.9896	0.0509	0.0347	33	1.29	3%	0
035.41	Sodium, ICP, Dry ash (%)	2330	1.060	0.0000	0.9896	0.0509	0.0347	33	1.38	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	2219	1.065	0.0220	0.9896	0.0509	0.0347	33	1.48	4%	0
035.41	Sodium, ICP, Dry ash (%)	2395	1.080	0.0600	0.9896	0.0509	0.0347	33	1.78	5%	0
035.42	Sodium, ICP, Open vessel (%)	0504	0.9150	0.1300				3			0
035.42	Sodium, ICP, Open vessel (%)	0613	0.9500	0.0200				3			0
035.42	Sodium, ICP, Open vessel (%)	0870	1.034	0.0310				3			0
035.43	Sodium, ICP, Microwave (%)	0028	0.7850	0.1100	0.9691	0.0493	0.0375	14	-3.73	9%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.9100	0.0000	0.9691	0.0493	0.0375	14	-1.20	3%	0
035.43	Sodium, ICP, Microwave (%)	0511	0.9300	0.0200	0.9691	0.0493	0.0375	14	-0.79	2%	0
035.43	Sodium, ICP, Microwave (%)	0001	0.9305	0.0010	0.9691	0.0493	0.0375	14	-0.78	2%	0
035.43	Sodium, ICP, Microwave (%)	0051	0.9456	0.0051	0.9691	0.0493	0.0375	14	-0.48	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.9500	0.0200	0.9691	0.0493	0.0375	14	-0.39	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.9745	0.0030	0.9691	0.0493	0.0375	14	0.11	0%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.9755	0.0330	0.9691	0.0493	0.0375	14	0.13	0%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.9900	0.0000	0.9691	0.0493	0.0375	14	0.42	1%	0
035.43	Sodium, ICP, Microwave (%)	0226	0.9950	0.0100	0.9691	0.0493	0.0375	14	0.53	1%	0
035.43	Sodium, ICP, Microwave (%)	0870	0.9997	0.0267	0.9691	0.0493	0.0375	14	0.62	2%	0
035.43	Sodium, ICP, Microwave (%)	0027	1.008	0.0030	0.9691	0.0493	0.0375	14	0.78	2%	0
035.43	Sodium, ICP, Microwave (%)	0407	1.021	0.1053	0.9691	0.0493	0.0375	14	1.04	3%	0
035.43	Sodium, ICP, Microwave (%)	0876	1.065	0.1700	0.9691	0.0493	0.0375	14	1.94	5%	0
035.53	Sodium, ICP-MS, Microwave (%)	2033	0.9341	0.0222				3			0
035.53	Sodium, ICP-MS, Microwave (%)	2409	0.9965	0.0050				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0407	1.021	0.0586				3			0
035.99	Sodium, Miscellaneous (%)	0242	0.9250	0.0100				2			0
035.99	Sodium, Miscellaneous (%)	0889	1.015	0.0000				2			0
036.04	Sulfur, LECO (%)	0226	1.125	0.0100				1			0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.8800	0.0600	0.9484	0.0623	0.0390	5			0
036.42	Sulfur, ICP, Open vessel (%)	0910	0.8932	0.0704	0.9484	0.0623	0.0390	5			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.9489	0.0134	0.9484	0.0623	0.0390	5			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.9999	0.0122	0.9484	0.0623	0.0390	5			0
036.42	Sulfur, ICP, Open vessel (%)	0164	1.020	0.0000	0.9484	0.0623	0.0390	5			0
036.43	Sulfur, ICP, Microwave (%)	0510	0.8700	0.0400	1.010	0.0642	0.0333	8	-2.19	7%	0
036.43	Sulfur, ICP, Microwave (%)	0226	0.9700	0.0000	1.010	0.0642	0.0333	8	-0.63	2%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.9704	0.0114	1.010	0.0642	0.0333	8	-0.62	2%	0
036.43	Sulfur, ICP, Microwave (%)	0870	1.002	0.0146	1.010	0.0642	0.0333	8	-0.13	0%	0
036.43	Sulfur, ICP, Microwave (%)	0918	1.031	0.0240	1.010	0.0642	0.0333	8	0.32	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	1.050	0.0000	1.010	0.0642	0.0333	8	0.62	2%	0
036.43	Sulfur, ICP, Microwave (%)	0001	1.065	0.0700	1.010	0.0642	0.0333	8	0.85	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	1.080	0.0400	1.010	0.0642	0.0333	8	1.09	3%	0
036.99	Sulfur, Miscellaneous (%)	0889	0.7325	0.0050				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.8850	0.0100				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	100.5	1.000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0001	103.8	0.6000				3			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
037.31	Zinc, AAS, Dry ash (ppm)	0656	106.7	0.0000				3			0
037.41	Zinc, ICP, Dry ash (ppm)	1021	46.90	1.860	89.98	16.32	11.33	22	-2.64	24%	0
037.41	Zinc, ICP, Dry ash (ppm)	2156	63.58	11.46	89.98	16.32	11.33	22	-1.62	15%	0
037.41	Zinc, ICP, Dry ash (ppm)	2399	74.47	1.700	89.98	16.32	11.33	22	-0.95	9%	0
037.41	Zinc, ICP, Dry ash (ppm)	2293	75.05	24.36	89.98	16.32	11.33	22	-0.91	8%	0
037.41	Zinc, ICP, Dry ash (ppm)	2361	77.37	23.15	89.98	16.32	11.33	22	-0.77	7%	0
037.41	Zinc, ICP, Dry ash (ppm)	2330	79.46	24.67	89.98	16.32	11.33	22	-0.64	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	2252	80.36	29.41	89.98	16.32	11.33	22	-0.59	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	2408	80.51	29.21	89.98	16.32	11.33	22	-0.58	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0139	84.77	3.250	89.98	16.32	11.33	22	-0.32	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	1022	86.56	1.620	89.98	16.32	11.33	22	-0.21	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	2395	88.13	0.3200	89.98	16.32	11.33	22	-0.11	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	92.55	0.5000	89.98	16.32	11.33	22	0.16	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0619	92.75	0.5000	89.98	16.32	11.33	22	0.17	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	96.79	1.950	89.98	16.32	11.33	22	0.42	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	98.03	1.010	89.98	16.32	11.33	22	0.49	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	98.50	3.000	89.98	16.32	11.33	22	0.52	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	2219	99.22	29.56	89.98	16.32	11.33	22	0.57	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	102.0	5.535	89.98	16.32	11.33	22	0.74	7%	0
037.41	Zinc, ICP, Dry ash (ppm)	2362	103.6	19.95	89.98	16.32	11.33	22	0.84	8%	0
037.41	Zinc, ICP, Dry ash (ppm)	0910	109.5	3.000	89.98	16.32	11.33	22	1.20	11%	0
037.41	Zinc, ICP, Dry ash (ppm)	2220	119.1	1.000	89.98	16.32	11.33	22	1.78	16%	0
037.41	Zinc, ICP, Dry ash (ppm)	0074	138.5	45.00	89.98	16.32	11.33	22	2.97	27%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	86.62	0.2300				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0613	93.43	8.820				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0504	126.0	6.000				3			0
037.43	Zinc, ICP, Microwave (ppm)	0870	84.42	2.750	99.30	7.865	3.938	16	-1.89	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	89.50	1.000	99.30	7.865	3.938	16	-1.25	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0028	90.66	14.67	99.30	7.865	3.938	16	-1.10	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	91.00	4.000	99.30	7.865	3.938	16	-1.06	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0051	97.01	1.300	99.30	7.865	3.938	16	-0.29	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0226	97.90	1.860	99.30	7.865	3.938	16	-0.18	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	99.92	0.3968	99.30	7.865	3.938	16	0.08	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0010	100.5	2.800	99.30	7.865	3.938	16	0.15	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	100.9	9.410	99.30	7.865	3.938	16	0.20	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	101.1	0.2120	99.30	7.865	3.938	16	0.23	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2033	101.6	0.0000	99.30	7.865	3.938	16	0.29	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	101.7	5.190	99.30	7.865	3.938	16	0.30	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	102.1	1.060	99.30	7.865	3.938	16	0.36	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0001	105.5	5.000	99.30	7.865	3.938	16	0.79	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	110.8	4.900	99.30	7.865	3.938	16	1.46	6%	0
037.43	Zinc, ICP, Microwave (ppm)	0876	116.3	15.69	99.30	7.865	3.938	16	2.16	9%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
037.44	Zinc, ICP, Dry ash (ppm)	1023	78.17	0.3200				2			0
037.44	Zinc, ICP, Dry ash (ppm)	1024	84.51	0.7000				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	2409	92.21	1.244				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	100.0	5.835				2			0
037.99	Zinc, Miscellaneous (ppm)	0242	87.50	1.000				2			0
037.99	Zinc, Miscellaneous (ppm)	0889	641.7	1.900				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0910	0.2650	0.0300				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.3125	0.0061				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	0.3500	0.1000				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	0.4482	0.1365				2			0
038.51	Molybdenum, ICP-MS, Dry ash (ppm)	0164	0.3990	0.0020				1			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	0.4621	0.0315				1			0
040.53	Barium, ICP-MS, Microwave (ppm)	0407	11.58	0.3046				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	4.152	0.1754				1			0
042.02	Chloride, Ion Chromatography (%)	0227	1.415	0.0100				1			0
101.99	Choline Chloride, Miscellaneous (ppm)	0160	2,180	0.0000				2			0
101.99	Choline Chloride, Miscellaneous (ppm)	0051	2,549	160.0				2			0
102.01	Niacin, Microbiological (ppm)	0227	115.0	8.000				1			0
104.00	Riboflavin, Fluorometric (ppm)	0227	1.086	0.4880				1			0
104.03	Riboflavin, LC (ppm)	0171	1.275	0.0500				1			0
105.01	Thiamine, Fluorometer (ppm)	0227	< 0.5					0			5
107.00	Vitamin B12, Microbiological (ppb)	0227	319.0	34.00				1			0
109.02	Vitamin E, LC (IU / kg)	0619	8.000	0.0000				1			0
112.01	Pyridoxine, LC (µg / g)	2250	0.0560	0.0060				2			0
112.01	Pyridoxine, LC (µg / g)	0227	1.390	0.0000				2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	3.625	0.0500	3.876	0.1497	0.0585	6	-1.68	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	3.825	0.0300	3.876	0.1497	0.0585	6	-0.34	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.900	0.0400	3.876	0.1497	0.0585	6	0.16	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	3.903	0.0223	3.876	0.1497	0.0585	6	0.18	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.925	0.1500	3.876	0.1497	0.0585	6	0.33	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	4.050	0.0000	3.876	0.1497	0.0585	6	1.16	2%	0
120.05	Alanine, Pre-col AQC Der (%)	0242	2.730	0.0200				3			0
120.05	Alanine, Pre-col AQC Der (%)	0407	3.912	0.0050				3			0
120.05	Alanine, Pre-col AQC Der (%)	0870	4.196	0.1990				3			0
120.99	Alanine, Miscellaneous (%)	0889	0.5900	0.0000				2			0
120.99	Alanine, Miscellaneous (%)	2428	3.935	0.3500				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	3.390	0.0035	3.621	0.2622	0.0789	6	-0.88	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.415	0.0300	3.621	0.2622	0.0789	6	-0.78	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	3.500	0.0400	3.621	0.2622	0.0789	6	-0.46	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.705	0.2300	3.621	0.2622	0.0789	6	0.32	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.720	0.0200	3.621	0.2622	0.0789	6	0.38	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	3.995	0.1500	3.621	0.2622	0.0789	6	1.43	5%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
121.05	Arginine, Pre-col AQC Der (%)	0242	2.970	0.0200				3			0
121.05	Arginine, Pre-col AQC Der (%)	0870	3.684	0.0460				3			0
121.05	Arginine, Pre-col AQC Der (%)	0407	3.904	0.0058				3			0
121.99	Arginine, Miscellaneous (%)	2428	3.985	0.0900				2			0
121.99	Arginine, Miscellaneous (%)	0889	4.665	0.0200				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	5.105	0.0300	5.379	0.2748	0.1187	6	-1.00	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	5.255	0.0500	5.379	0.2748	0.1187	6	-0.45	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	5.255	0.0933	5.379	0.2748	0.1187	6	-0.45	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	5.360	0.2800	5.379	0.2748	0.1187	6	-0.07	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	5.510	0.0000	5.379	0.2748	0.1187	6	0.48	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	5.850	0.1400	5.379	0.2748	0.1187	6	1.71	4%	0
122.05	Aspartic, Pre-col AQC Der (%)	0242	3.305	0.1100				3			0
122.05	Aspartic, Pre-col AQC Der (%)	0870	5.455	0.2160				3			0
122.05	Aspartic, Pre-col AQC Der (%)	0407	5.687	0.0012				3			0
122.99	Aspartic, Miscellaneous (%)	0889	3.903	0.0050				2			0
122.99	Aspartic, Miscellaneous (%)	2428	5.280	1.000				2			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.4150	0.0500	0.4570	0.0343	0.0280	6	-1.22	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0226	0.4375	0.0029	0.4570	0.0343	0.0280	6	-0.57	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0910	0.4500	0.0000	0.4570	0.0343	0.0280	6	-0.20	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.4595	0.0190	0.4570	0.0343	0.0280	6	0.07	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0171	0.4800	0.0000	0.4570	0.0343	0.0280	6	0.67	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.5000	0.0400	0.4570	0.0343	0.0280	6	1.25	5%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0242	0.3800	0.0000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.5084	0.0028				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0870	0.9620	0.0240				3			0
124.99	Cysteine/Cystine, Miscellaneous (%)	2428	0.4850	0.0300				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	1.490	0.0000				2			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	7.160	0.1200	7.850	0.3654	0.0899	6	-1.89	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	7.640	0.0800	7.850	0.3654	0.0899	6	-0.57	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	7.910	0.2600	7.850	0.3654	0.0899	6	0.16	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	8.010	0.0400	7.850	0.3654	0.0899	6	0.44	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	8.104	0.0826	7.850	0.3654	0.0899	6	0.69	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	8.135	0.0100	7.850	0.3654	0.0899	6	0.78	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	0242	5.005	0.1100				3			0
125.05	Glutamic, Pre-col AQC Der (%)	0407	7.605	0.0080				3			0
125.05	Glutamic, Pre-col AQC Der (%)	0870	8.459	0.2900				3			0
125.99	Glutamic, Miscellaneous (%)	0889	4.260	0.0100				2			0
125.99	Glutamic, Miscellaneous (%)	2428	8.135	0.6100				2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	4.525	0.0300	4.818	0.1974	0.0282	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	4.725	0.0228	4.818	0.1974	0.0282	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	4.860	0.0000	4.818	0.1974	0.0282	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	4.975	0.0300	4.818	0.1974	0.0282	5			0

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126.00	Glycine, Post-col Ninhydrin Der (%)	0171	5.005	0.0300	4.818	0.1974	0.0282	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	4.180	0.2200	4.818	0.1974	0.0282	5		1	
126.05	Glycine, Pre-col AQC Der (%)	0242	3.770	0.0200				3		0	
126.05	Glycine, Pre-col AQC Der (%)	0870	4.877	0.0940				3		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	5.185	0.0070				3		0	
126.99	Glycine, Miscellaneous (%)	0889	4.300	0.0100				2		0	
126.99	Glycine, Miscellaneous (%)	2428	4.825	1.250				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	1.200	0.0085	1.356	0.0517	0.0437	6	-3.01	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	1.335	0.0100	1.356	0.0517	0.0437	6	-0.40	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.360	0.0000	1.356	0.0517	0.0437	6	0.09	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.365	0.0100	1.356	0.0517	0.0437	6	0.18	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.385	0.0900	1.356	0.0517	0.0437	6	0.57	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.410	0.1000	1.356	0.0517	0.0437	6	1.06	2%	0
127.05	Histidine, Pre-col AQC Der (%)	0242	1.075	0.0100				3		0	
127.05	Histidine, Pre-col AQC Der (%)	0870	1.476	0.0180				3		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	1.489	0.0032				3		0	
127.99	Histidine, Miscellaneous (%)	2428	1.280	0.3000				2		0	
127.99	Histidine, Miscellaneous (%)	0889	4.300	0.0100				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	2.029	0.0093	2.323	0.2144	0.0347	6	-1.37	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	2.245	0.0100	2.323	0.2144	0.0347	6	-0.36	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	2.255	0.0500	2.323	0.2144	0.0347	6	-0.32	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	2.410	0.0400	2.323	0.2144	0.0347	6	0.41	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	2.425	0.0100	2.323	0.2144	0.0347	6	0.48	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	2.575	0.1100	2.323	0.2144	0.0347	6	1.17	5%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0242	1.300	0.0000				3		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0870	2.441	0.0990				3		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	2.447	0.0055				3		0	
128.99	Isoleucine, Miscellaneous (%)	2428	2.190	0.3800				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	3.955	0.0300	4.114	0.1345	0.0947	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	4.006	0.0635	4.114	0.1345	0.0947	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	4.135	0.0900	4.114	0.1345	0.0947	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	4.190	0.2600	4.114	0.1345	0.0947	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	4.285	0.0300	4.114	0.1345	0.0947	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	3.325	1.130	4.114	0.1345	0.0947	5		1	
129.05	Leucine, Pre-col AQC Der (%)	0242	2.925	0.0100				3		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	4.233	0.0043				3		0	
129.05	Leucine, Pre-col AQC Der (%)	0870	4.302	0.1170				3		0	
129.99	Leucine, Miscellaneous (%)	0889	1.363	0.0050				2		0	
129.99	Leucine, Miscellaneous (%)	2428	4.290	0.2600				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	4.184	0.0319	4.591	0.3762	0.0761	6	-1.08	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	4.335	0.0300	4.591	0.3762	0.0761	6	-0.68	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	4.365	0.1300	4.591	0.3762	0.0761	6	-0.60	2%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	4.845	0.0100	4.591	0.3762	0.0761	6	0.67	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	4.905	0.0500	4.591	0.3762	0.0761	6	0.83	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	4.915	0.2700	4.591	0.3762	0.0761	6	0.86	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0242	2.565	0.0100				3			0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	4.623	0.0010				3			0
130.05	L-Lysine, Pre-col AQC Der (%)	0870	4.669	0.0360				3			0
130.99	L-Lysine, Miscellaneous (%)	0889	2.508	0.0050				2			0
130.99	L-Lysine, Miscellaneous (%)	2428	4.290	0.2400				2			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	1.370	0.0800	1.541	0.0969	0.0652	6	-1.77	6%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	1.482	0.0509	1.541	0.0969	0.0652	6	-0.61	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	1.575	0.0900	1.541	0.0969	0.0652	6	0.35	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	1.575	0.0300	1.541	0.0969	0.0652	6	0.35	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	1.600	0.0400	1.541	0.0969	0.0652	6	0.61	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	1.620	0.1000	1.541	0.0969	0.0652	6	0.81	3%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0870	1.474	0.0920				3			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	1.505	0.0083				3			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0242	1.510	0.0000				3			0
131.99	Methionine, Miscellaneous (%)	2428	1.255	0.6100				2			0
131.99	Methionine, Miscellaneous (%)	0889	2.925	0.0000				2			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	2.110	0.0183	2.230	0.0891	0.0196	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	2.215	0.0100	2.230	0.0891	0.0196	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	2.225	0.0100	2.230	0.0891	0.0196	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	2.240	0.0400	2.230	0.0891	0.0196	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	2.360	0.0000	2.230	0.0891	0.0196	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.325	0.1900	2.230	0.0891	0.0196	5			1
132.05	Phenylalanine, Pre-col AQC Der (%)	0242	1.795	0.0100				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0870	2.273	0.0270				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	2.446	0.0058				3			0
132.99	Phenylalanine, Miscellaneous (%)	2428	2.150	0.0800				2			0
132.99	Phenylalanine, Miscellaneous (%)	0889	2.820	0.0000				2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	2.775	0.0300	2.939	0.1656	0.0326	6	-0.99	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	2.830	0.0200	2.939	0.1656	0.0326	6	-0.66	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0226	2.911	0.0130	2.939	0.1656	0.0326	6	-0.17	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	2.920	0.0000	2.939	0.1656	0.0326	6	-0.11	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	3.010	0.0400	2.939	0.1656	0.0326	6	0.43	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	4.260	0.0600	2.939	0.1656	0.0326	6	7.98	22%	0
133.05	Proline, Pre-col AQC Der (%)	0242	2.255	0.0100				3			0
133.05	Proline, Pre-col AQC Der (%)	0870	3.078	0.0960				3			0
133.05	Proline, Pre-col AQC Der (%)	0407	3.157	0.0040				3			0
133.99	Proline, Miscellaneous (%)	0889	2.240	0.0000				2			0
133.99	Proline, Miscellaneous (%)	2428	2.715	0.1700				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	2.015	0.1700	2.312	0.1340	0.0776	6	-2.22	6%	0

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134.00	Serine, Post-col Ninhydrin Der (%)	0910	2.285	0.0300	2.312	0.1340	0.0776	6	-0.20	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	2.305	0.1300	2.312	0.1340	0.0776	6	-0.05	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0226	2.332	0.0757	2.312	0.1340	0.0776	6	0.15	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.370	0.0200	2.312	0.1340	0.0776	6	0.43	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.470	0.0400	2.312	0.1340	0.0776	6	1.18	3%	0
134.05	Serine, Pre-col AQC Der (%)	0242	1.995	0.0100				3			0
134.05	Serine, Pre-col AQC Der (%)	0870	2.413	0.0850				3			0
134.05	Serine, Pre-col AQC Der (%)	0407	2.596	0.0062				3			0
134.99	Serine, Miscellaneous (%)	0889	0.5975	0.0050				2			0
134.99	Serine, Miscellaneous (%)	2428	2.325	0.1700				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	2.240	0.0311	2.444	0.1738	0.0278	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	2.375	0.0300	2.444	0.1738	0.0278	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	2.405	0.0300	2.444	0.1738	0.0278	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	2.490	0.0200	2.444	0.1738	0.0278	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.710	0.0000	2.444	0.1738	0.0278	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	2.375	0.1700	2.444	0.1738	0.0278	5			1
135.05	Threonine, Pre-col AQC Der (%)	0242	1.820	0.0000				3			0
135.05	Threonine, Pre-col AQC Der (%)	0407	2.086	0.0047				3			0
135.05	Threonine, Pre-col AQC Der (%)	0870	2.521	0.0570				3			0
135.99	Threonine, Miscellaneous (%)	0889	1.720	0.0000				2			0
135.99	Threonine, Miscellaneous (%)	2428	2.195	0.1300				2			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.5615	0.0470				2			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.6450	0.0100				2			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0226	0.5592	0.0203				1			0
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.5704	0.0008				2			0
136.05	Tryptophan, Pre-col AQC Der (%)	0870	0.6715	0.0130				2			0
136.99	Tryptophan, Miscellaneous (%)	2428	0.1600	0.0400				3			0
136.99	Tryptophan, Miscellaneous (%)	0889	0.3800	0.0000				3			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.6650	0.0100				3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	1.270	0.0800	1.687	0.2512	0.0564	5			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	1.646	0.0022	1.687	0.2512	0.0564	5			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.785	0.0100	1.687	0.2512	0.0564	5			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.835	0.1700	1.687	0.2512	0.0564	5			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.900	0.0200	1.687	0.2512	0.0564	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	0242	1.350	0.0000				3			0
137.05	Tyrosine, Pre-col AQC Der (%)	0870	1.643	0.0240				3			0
137.05	Tyrosine, Pre-col AQC Der (%)	0407	1.894	0.0065				3			0
137.99	Tyrosine, Miscellaneous (%)	0889	0.3800	0.0000				2			0
137.99	Tyrosine, Miscellaneous (%)	2428	1.710	0.2200				2			0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	2.530	0.0600	2.711	0.1905	0.0796	6	-0.95	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	2.550	0.1000	2.711	0.1905	0.0796	6	-0.85	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0226	2.622	0.0875	2.711	0.1905	0.0796	6	-0.47	2%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.770	0.0400	2.711	0.1905	0.0796	6	0.31	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.870	0.0200	2.711	0.1905	0.0796	6	0.83	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.925	0.2300	2.711	0.1905	0.0796	6	1.12	4%	0
138.05	Valine, Pre-col AQC Der (%)	0242	1.590	0.0000				3			0
138.05	Valine, Pre-col AQC Der (%)	0870	2.940	0.1090				3			0
138.05	Valine, Pre-col AQC Der (%)	0407	2.968	0.0030				3			0
138.99	Valine, Miscellaneous (%)	2428	2.340	0.2200				1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.5900	0.0400				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.6150	0.0100				2			0
139.05	Taurine, Pre-col AQC Der (%)	0407	0.5081	0.0021				1			0
357.99	Ethoxyquin, Miscellaneous (ppm)	0171	700.5	9.000				1			0
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5347	0.0047				1			0
400.99	Water Activity, Miscellaneous (Units)	0619	0.4955	0.0090				1			0
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	2124	3.580	0.2000				1			0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	3.895	0.3100				2			0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	4.009	0.3237				2			0
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.1068	0.0033				1			0
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.1119	0.0172				1			0
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1			5
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.1050	0.0000				2			0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.1109	0.0076				2			0
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	3.551	0.2728				1			0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	4.073	0.2611				3			0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	4.570	0.1600				3			0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0226	5.455	0.3900				3			0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0407	4.822	0.4809				1			0
526.41	Lead, ICP, Dry ash (ppm)	0407	1.381	0.0231				1			0
526.43	Lead, ICP, Microwave (ppm)	0407	1.400	0.0518				1			0
526.53	Lead, ICP-MS, Microwave (ppm)	0227	1.540	0.1000				2			0
526.53	Lead, ICP-MS, Microwave (ppm)	0407	1.650	0.1759				2			0
529.99	Mercury, Miscellaneous (ppb)	0407	53.63	0.7126				1			0
539.41	Nickel, ICP, Dry ash (ppm)	0407	1.653	0.0373				1			0
539.43	Nickel, ICP, Microwave (ppm)	0407	1.788	0.0518				2			0
539.43	Nickel, ICP, Microwave (ppm)	0226	2.565	0.1500				2			0
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	2.417	0.0903				1			0
702.00	Butyric Acid (4:0), Miscellaneous GC (%)	0164	< 0.02					0			5
704.00	Caproic Acid (6:0), Miscellaneous GC (%)	0164	< 0.02					0			5
706.99	Caprylic acid (8:0), Miscellaneous (% (w/w))	0164	< 0.02					0			5
708.99	Capric acid (10:0), Miscellaneous (% (w/w))	0164	< 0.02					0			5
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					0			5
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0171	0.6200	0.0200				2			0
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	0.7445	0.0110				2			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0171	1.880	0.0000				2		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	1.950	0.0520				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0171	0.8500	0.0200				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	0.9175	0.0090				2		0	
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	0164	0.0665	0.0030				2		0	
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	0171	0.0700	0.0000				2		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0171	0.3450	0.0100				2		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0164	0.3725	0.0170				2		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.4370	0.0060				2		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0171	0.6300	0.0000				2		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0171	0.1200	0.0000				2		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	0.1260	0.0020				2		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0171	0.1150	0.0100				2		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	0.1185	0.0050				2		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0164	0.0225	0.0010				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0164	0.0425	0.0010				2		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0171	0.0550	0.0100				2		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0164	0.1345	0.0090				2		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0171	0.1950	0.0100				2		0	
738.99	Mead Acid (11c,14c,17c-20:3), Miscellaneous (% (w/w))	0171	0.0300	0.0000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0171	0.6500	0.0200				2		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0164	0.7610	0.0320				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0171	0.0200	0.0000				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	0.0205	0.0010				2		0	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0171	0.0000	0.0000				0		4	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (% (w/w))	0164	0.1620	0.0100				2		0	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (% (w/w))	0171	0.2000	0.0000				2		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0171	0.0200	0.0000				2		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0164	0.0270	0.0020				2		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22:6), Miscellaneous (% (w/w))	0171	0.7850	0.0100				2		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22:6), Miscellaneous (% (w/w))	0164	0.9035	0.0450				2		0	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0171	0.0200	0.0000				2		0	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0164	0.0425	0.0050				2		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0171	1.930	0.0600				2		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0164	2.259	0.1030				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0171	0.3550	0.0100				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0164	0.4110	0.0160				2		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0171	3.055	0.0100				2		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	3.309	0.0800				2		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0171	1.605	0.0100				1		0	
764.99	Total cis Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	1.859	0.0310				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous	0171	2.560	0.0200				1		0	
768.99	Total cis Polyunsaturated Fatty Acids, Miscellar	0164	3.012	0.1320				1		0	
770.99	Total Fat (equivalent to NLEA), Miscellaneous (0164	8.696	0.2400				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2250	2.150	0.1000				3		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	8.309	0.2300				3		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0918	10.63	0.0900				3		0	

Note 1: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or between -2 and -3 (warning) and Green = Z <= 2 and >= -2 (OK at 95%).

Note 2: Data Not Used Flags: 1=Rejected for duplicates too far apart, 2=Rejected as extreme outlier, 5=Reporting limit (<), 4=Zeros submitted as values and 3=Statistical problem. Flag 0 indicates data used in calculations.

Note 3: *Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). A zero range is not included in robust R-bar calculation.