

# AAFCO Check Sample Program

## All Labs and All Methods Report

### Sort by Method

### Proficiency For Individual Methods

Sample # 201397

Swine Nursery Vitamin/Mineral Premix, medicated



# AAFCO

## CHECK SAMPLE PROGRAM

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

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95 °C 5 hr (%)	2048	4.9400	0.06000	5.5050	0.49540	0.04333	3	-1.14	5%	0
001.00	Loss on Drying, Vac 95 °C 5 hr (%)	0169	5.7100	0.04000	5.5050	0.49540	0.04333	3	0.41	2%	0
001.00	Loss on Drying, Vac 95 °C 5 hr (%)	0504	5.8650	0.03000	5.5050	0.49540	0.04333	3	0.73	3%	0
001.03	Loss on Drying, Low temp. methods (%)	0887	5.5050	0.03000	5.7420	0.13855	0.01600	5	-1.71	2%	0
001.03	Loss on Drying, Low temp. methods (%)	0895	5.7550	0.01000	5.7420	0.13855	0.01600	5	0.09	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0894	5.7700	0.02000	5.7420	0.13855	0.01600	5	0.20	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0893	5.8250	0.01000	5.7420	0.13855	0.01600	5	0.60	1%	0
001.03	Loss on Drying, Low temp. methods (%)	2028	5.8550	0.01000	5.7420	0.13855	0.01600	5	0.82	1%	0
001.05	Loss on Drying, LECO (%)	0610	5.7300	0.04000			0.04000	1			
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	5.3400	0.06000	5.7004	0.24623	0.05781	16	-1.46	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.4800	0.04000	5.7004	0.24623	0.05781	16	-0.90	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	5.4950	0.07000	5.7004	0.24623	0.05781	16	-0.83	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	5.5050	0.03000	5.7004	0.24623	0.05781	16	-0.79	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	5.5275	0.01500	5.7004	0.24623	0.05781	16	-0.70	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	5.5500	0.06000	5.7004	0.24623	0.05781	16	-0.61	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	5.5850	0.01000	5.7004	0.24623	0.05781	16	-0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	5.6500	0.10000	5.7004	0.24623	0.05781	16	-0.20	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	5.7000	0.00000	5.7004	0.24623	0.05781	16	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0918	5.7500	0.10000	5.7004	0.24623	0.05781	16	0.20	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	5.8350	0.05000	5.7004	0.24623	0.05781	16	0.55	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	5.8800	0.14000	5.7004	0.24623	0.05781	16	0.73	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	5.8950	0.01000	5.7004	0.24623	0.05781	16	0.79	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	5.9200	0.02000	5.7004	0.24623	0.05781	16	0.89	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	6.0300	0.02000	5.7004	0.24623	0.05781	16	1.34	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	6.2000	0.20000	5.7004	0.24623	0.05781	16	2.03	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	5.7850	0.71000	5.7004	0.24623	0.05781	16	0.34	1%	1
001.08	Loss on Drying, 102 °C 16 hr, in meat (%)	0337	5.6950	0.03000	5.8225	0.18031	0.06500	2	-0.71	1%	0
001.08	Loss on Drying, 102 °C 16 hr, in meat (%)	0652	5.9500	0.10000	5.8225	0.18031	0.06500	2	0.71	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	5.1700	0.14000	5.8041	0.58145	0.11914	7	-1.09	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0866	5.2290	0.01400	5.8041	0.58145	0.11914	7	-0.99	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	5.5700	0.22000	5.8041	0.58145	0.11914	7	-0.40	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	5.8900	0.22000	5.8041	0.58145	0.11914	7	0.15	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	6.0350	0.07000	5.8041	0.58145	0.11914	7	0.40	2%	0

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001.99	Loss on Drying, Miscellaneous (%)	0505	6.1250	0.01000	5.8041	0.58145	0.11914	7	0.55	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0305	7.3400	0.16000	5.8041	0.58145	0.11914	7	2.64	13%	0
002.01	Protein, Auto Kjel-Foss (%)	0848	4.9500	0.06000	5.0517	0.08808	0.09667	3	-1.15	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0652	5.1000	0.20000	5.0517	0.08808	0.09667	3	0.55	0%	0
002.01	Protein, Auto Kjel-Foss (%)	2023	5.1050	0.03000	5.0517	0.08808	0.09667	3	0.61	1%	0
002.02	Protein, Semiauto Autoanalyzer (%)	0169	3.2950	0.03000	4.5400	1.7607	0.03000	2	-0.71	14%	0
002.02	Protein, Semiauto Autoanalyzer (%)	0939	5.7850	0.03000	4.5400	1.7607	0.03000	2	0.71	14%	0
002.04	Protein, Copper Cat (%)	0874	4.9250	0.23000	5.0325	0.15203	0.20500	2	-0.71	1%	0
002.04	Protein, Copper Cat (%)	0504	5.1400	0.18000	5.0325	0.15203	0.20500	2	0.71	1%	0
002.05	Protein, Copper, Boric Acid (%)	2048	4.8900	0.04000	5.0890	0.21132	0.06017	9	-0.94	2%	0
002.05	Protein, Copper, Boric Acid (%)	0722	4.9088	0.01440	5.0890	0.21132	0.06017	9	-0.85	2%	0
002.05	Protein, Copper, Boric Acid (%)	0852	4.9350	0.03000	5.0890	0.21132	0.06017	9	-0.73	2%	0
002.05	Protein, Copper, Boric Acid (%)	0939	4.9600	0.08000	5.0890	0.21132	0.06017	9	-0.61	1%	0
002.05	Protein, Copper, Boric Acid (%)	0622	5.0799	0.05350	5.0890	0.21132	0.06017	9	-0.04	0%	0
002.05	Protein, Copper, Boric Acid (%)	0620	5.1306	0.00360	5.0890	0.21132	0.06017	9	0.20	0%	0
002.05	Protein, Copper, Boric Acid (%)	0674	5.1600	0.00000	5.0890	0.21132	0.06017	9	0.34	1%	0
002.05	Protein, Copper, Boric Acid (%)	0683	5.3350	0.23000	5.0890	0.21132	0.06017	9	1.16	2%	0
002.05	Protein, Copper, Boric Acid (%)	2006	5.8350	0.09000	5.0890	0.21132	0.06017	9	3.53	7%	0
002.05	Protein, Copper, Boric Acid (%)	0966	59.900	0.60000	5.0890	0.21132	0.06017	9	259.37	539%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	5.0615	0.14300	5.5197	0.27099	0.08020	32	-1.69	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0609	5.2250	0.01000	5.5197	0.27099	0.08020	32	-1.09	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0106	5.2550	0.17000	5.5197	0.27099	0.08020	32	-0.98	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	5.2600	0.02000	5.5197	0.27099	0.08020	32	-0.96	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	5.2700	0.08000	5.5197	0.27099	0.08020	32	-0.92	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	5.2850	0.03000	5.5197	0.27099	0.08020	32	-0.87	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	5.3000	0.00000	5.5197	0.27099	0.08020	32	-0.81	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	5.3000	0.00000	5.5197	0.27099	0.08020	32	-0.81	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0695	5.3250	0.03000	5.5197	0.27099	0.08020	32	-0.72	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	5.3250	0.05000	5.5197	0.27099	0.08020	32	-0.72	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	5.3500	0.10000	5.5197	0.27099	0.08020	32	-0.63	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	5.3600	0.06000	5.5197	0.27099	0.08020	32	-0.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0337	5.3750	0.01000	5.5197	0.27099	0.08020	32	-0.53	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	5.4000	0.02000	5.5197	0.27099	0.08020	32	-0.44	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0670	5.4500	0.04000	5.5197	0.27099	0.08020	32	-0.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	5.5000	0.20000	5.5197	0.27099	0.08020	32	-0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	5.5500	0.10000	5.5197	0.27099	0.08020	32	0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	5.5708	0.06730	5.5197	0.27099	0.08020	32	0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	5.5850	0.11000	5.5197	0.27099	0.08020	32	0.24	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	5.5900	0.14000	5.5197	0.27099	0.08020	32	0.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	5.6000	0.00000	5.5197	0.27099	0.08020	32	0.30	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0674	5.6000	0.00000	5.5197	0.27099	0.08020	32	0.30	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	5.6200	0.02000	5.5197	0.27099	0.08020	32	0.37	1%	0

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			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	5.6400	0.20000	5.5197	0.27099	0.08020	32	0.44	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	5.6500	0.02000	5.5197	0.27099	0.08020	32	0.48	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0168	5.7500	0.04000	5.5197	0.27099	0.08020	32	0.85	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	5.7650	0.21000	5.5197	0.27099	0.08020	32	0.91	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	5.9130	0.13600	5.5197	0.27099	0.08020	32	1.45	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	5.9500	0.24000	5.5197	0.27099	0.08020	32	1.59	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	6.0400	0.04000	5.5197	0.27099	0.08020	32	1.92	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	59.480	0.00000	5.5197	0.27099	0.08020	32	199.12	489%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	60.530	0.28000	5.5197	0.27099	0.08020	32	203.00	498%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	5.1400	0.44000	5.5197	0.27099	0.08020	32	-1.40	3%	1
002.99	Protein, Miscellaneous (%)	2004	5.1450	0.05000	5.2900	0.20506	0.03000	2	-0.71	1%	0
002.99	Protein, Miscellaneous (%)	0681	5.4350	0.01000	5.2900	0.20506	0.03000	2	0.71	1%	0
003.00	Fat, Eth Ext., Direct (%)	0337	1.3650	0.01000	1.9065	0.75306	0.14450	4	-0.72	14%	0
003.00	Fat, Eth Ext., Direct (%)	0026	1.5900	0.10000	1.9065	0.75306	0.14450	4	-0.42	8%	0
003.00	Fat, Eth Ext., Direct (%)	0142	1.6500	0.30000	1.9065	0.75306	0.14450	4	-0.34	7%	0
003.00	Fat, Eth Ext., Direct (%)	0065	3.0210	0.16800	1.9065	0.75306	0.14450	4	1.48	29%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	2.4750	0.67000			0.67000	1			
003.06	Fat, Pet Ether (%)	0169	1.5700	0.10000	1.7517	0.25250	0.07667	3	-0.72	5%	0
003.06	Fat, Pet Ether (%)	0297	1.6450	0.05000	1.7517	0.25250	0.07667	3	-0.42	3%	0
003.06	Fat, Pet Ether (%)	0852	2.0400	0.08000	1.7517	0.25250	0.07667	3	1.14	8%	0
003.09	Fat, Soxtec, Eth Ext (%)	0674	1.5500	0.00000			0.00000	1			
003.10	Fat, Soxtec, Pet Ether (%)	0609	1.2950	0.23000	1.6990	0.27689	0.15400	5	-1.46	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	1.6050	0.11000	1.6990	0.27689	0.15400	5	-0.34	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0695	1.7550	0.17000	1.6990	0.27689	0.15400	5	0.20	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	1.7900	0.00000	1.6990	0.27689	0.15400	5	0.33	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0918	2.0500	0.26000	1.6990	0.27689	0.15400	5	1.27	10%	0
003.12	Fat, Hexane Ext (%)	0171	1.7100	0.10000	2.0600	0.28021	0.04000	4	-1.25	8%	0
003.12	Fat, Hexane Ext (%)	2006	1.9600	0.04000	2.0600	0.28021	0.04000	4	-0.36	2%	0
003.12	Fat, Hexane Ext (%)	0670	2.2550	0.01000	2.0600	0.28021	0.04000	4	0.70	5%	0
003.12	Fat, Hexane Ext (%)	0966	2.3150	0.01000	2.0600	0.28021	0.04000	4	0.91	6%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2048	1.2950	0.07000			0.07000	1			
003.14	Fat, Ankom (%)	0407	1.2900	0.00000	1.5771	0.28437	0.09429	7	-1.01	9%	0
003.14	Fat, Ankom (%)	2023	1.3150	0.01000	1.5771	0.28437	0.09429	7	-0.92	8%	0
003.14	Fat, Ankom (%)	0265	1.4000	0.20000	1.5771	0.28437	0.09429	7	-0.62	6%	0
003.14	Fat, Ankom (%)	0956	1.6000	0.00000	1.5771	0.28437	0.09429	7	0.08	1%	0
003.14	Fat, Ankom (%)	0278	1.7000	0.00000	1.5771	0.28437	0.09429	7	0.43	4%	0
003.14	Fat, Ankom (%)	0683	1.7950	0.17000	1.5771	0.28437	0.09429	7	0.77	7%	0
003.14	Fat, Ankom (%)	0848	1.9400	0.28000	1.5771	0.28437	0.09429	7	1.28	12%	0
003.99	Fat, Miscellaneous (%)	0681	1.8350	0.03000	2.3825	0.77428	0.05500	2	-0.71	11%	0
003.99	Fat, Miscellaneous (%)	0630	2.9300	0.08000	2.3825	0.77428	0.05500	2	0.71	11%	0
004.00	Fiber, Crude Asbestos Free (%)	0034	11.687	0.02300	13.434	1.8076	0.24050	6	-0.97	7%	0
004.00	Fiber, Crude Asbestos Free (%)	0171	11.935	0.31000	13.434	1.8076	0.24050	6	-0.83	6%	0

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004.00	Fiber, Crude Asbestos Free (%)	2004	12.450	0.30000	13.434	1.8076	0.24050	6	-0.54	4%	0
004.00	Fiber, Crude Asbestos Free (%)	2023	14.290	0.02000	13.434	1.8076	0.24050	6	0.47	3%	0
004.00	Fiber, Crude Asbestos Free (%)	0695	15.110	0.28000	13.434	1.8076	0.24050	6	0.93	6%	0
004.00	Fiber, Crude Asbestos Free (%)	0337	15.135	0.51000	13.434	1.8076	0.24050	6	0.94	6%	0
004.00	Fiber, Crude Asbestos Free (%)	0504	16.305	1.6300	13.434	1.8076	0.24050	6	1.59	11%	1
004.03	Fiber, Fritted Glass (%)	0693	24.040	0.58000			0.58000	1			
004.06	Fiber, Fibertec (%)	0966	0.58500	0.01000	12.481	2.3893	0.08826	7	-4.98	48%	0
004.06	Fiber, Fibertec (%)	2006	11.000	0.04000	12.481	2.3893	0.08826	7	-0.62	6%	0
004.06	Fiber, Fibertec (%)	0722	11.579	0.09780	12.481	2.3893	0.08826	7	-0.38	4%	0
004.06	Fiber, Fibertec (%)	0866	12.415	0.03000	12.481	2.3893	0.08826	7	-0.03	0%	0
004.06	Fiber, Fibertec (%)	0674	13.290	0.00000	12.481	2.3893	0.08826	7	0.34	3%	0
004.06	Fiber, Fibertec (%)	2028	14.255	0.21000	12.481	2.3893	0.08826	7	0.74	7%	0
004.06	Fiber, Fibertec (%)	0609	15.835	0.23000	12.481	2.3893	0.08826	7	1.40	13%	0
004.06	Fiber, Fibertec (%)	0670	12.640	0.64000	12.481	2.3893	0.08826	7	0.07	1%	1
004.07	Fiber, ANKOM (%)	0026	0.83000	0.02000	13.388	1.1496	0.51286	7	-10.92	47%	0
004.07	Fiber, ANKOM (%)	0956	12.650	2.1000	13.388	1.1496	0.51286	7	-0.64	3%	0
004.07	Fiber, ANKOM (%)	0278	12.950	0.90000	13.388	1.1496	0.51286	7	-0.38	2%	0
004.07	Fiber, ANKOM (%)	0407	13.265	0.05000	13.388	1.1496	0.51286	7	-0.11	0%	0
004.07	Fiber, ANKOM (%)	0035	13.690	0.10000	13.388	1.1496	0.51286	7	0.26	1%	0
004.07	Fiber, ANKOM (%)	0265	14.700	0.40000	13.388	1.1496	0.51286	7	1.14	5%	0
004.07	Fiber, ANKOM (%)	0683	17.000	0.02000	13.388	1.1496	0.51286	7	3.14	13%	0
004.07	Fiber, ANKOM (%)	0297	48.120	6.5600	13.388	1.1496	0.51286	7	30.21	130%	1
004.99	Fiber, Miscellaneous (%)	0918	11.785	0.31000			0.31000	1			
005.00	Ash, 2h @ 600°C (%)	2048	42.955	0.13000	56.456	0.68583	0.26733	43	-19.69	12%	0
005.00	Ash, 2h @ 600°C (%)	0169	52.340	0.02000	56.456	0.68583	0.26733	43	-6.00	4%	0
005.00	Ash, 2h @ 600°C (%)	0539	52.625	0.45000	56.456	0.68583	0.26733	43	-5.59	3%	0
005.00	Ash, 2h @ 600°C (%)	0956	54.100	0.20000	56.456	0.68583	0.26733	43	-3.44	2%	0
005.00	Ash, 2h @ 600°C (%)	0065	54.810	0.32000	56.456	0.68583	0.26733	43	-2.40	1%	0
005.00	Ash, 2h @ 600°C (%)	0337	54.965	0.17000	56.456	0.68583	0.26733	43	-2.17	1%	0
005.00	Ash, 2h @ 600°C (%)	0670	55.685	0.37000	56.456	0.68583	0.26733	43	-1.12	1%	0
005.00	Ash, 2h @ 600°C (%)	0541	55.835	0.45000	56.456	0.68583	0.26733	43	-0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	55.905	0.49000	56.456	0.68583	0.26733	43	-0.80	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	55.980	0.02000	56.456	0.68583	0.26733	43	-0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	56.015	0.63000	56.456	0.68583	0.26733	43	-0.64	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	56.050	0.02000	56.456	0.68583	0.26733	43	-0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	56.050	0.34000	56.456	0.68583	0.26733	43	-0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	56.230	0.66000	56.456	0.68583	0.26733	43	-0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	0674	56.250	0.00000	56.456	0.68583	0.26733	43	-0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	56.300	0.20000	56.456	0.68583	0.26733	43	-0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	56.305	0.31000	56.456	0.68583	0.26733	43	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0852	56.465	0.95000	56.456	0.68583	0.26733	43	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0874	56.465	0.09000	56.456	0.68583	0.26733	43	0.01	0%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0035	56.480	0.62000	56.456	0.68583	0.26733	43	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0722	56.482	0.01570	56.456	0.68583	0.26733	43	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	56.495	0.03000	56.456	0.68583	0.26733	43	0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0265	56.550	0.10000	56.456	0.68583	0.26733	43	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0008	56.620	0.22000	56.456	0.68583	0.26733	43	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0278	56.645	0.21000	56.456	0.68583	0.26733	43	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	56.650	0.02000	56.456	0.68583	0.26733	43	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0885	56.710	0.20000	56.456	0.68583	0.26733	43	0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	56.734	0.13200	56.456	0.68583	0.26733	43	0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	56.750	0.16000	56.456	0.68583	0.26733	43	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0661	56.750	0.02000	56.456	0.68583	0.26733	43	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0622	56.766	0.11430	56.456	0.68583	0.26733	43	0.45	0%	0
005.00	Ash, 2h @ 600°C (%)	0620	56.850	0.14000	56.456	0.68583	0.26733	43	0.57	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	56.975	0.05000	56.456	0.68583	0.26733	43	0.76	0%	0
005.00	Ash, 2h @ 600°C (%)	0651	56.986	0.11300	56.456	0.68583	0.26733	43	0.77	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	57.045	0.51000	56.456	0.68583	0.26733	43	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0142	57.100	0.60000	56.456	0.68583	0.26733	43	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0609	57.105	0.07000	56.456	0.68583	0.26733	43	0.95	1%	0
005.00	Ash, 2h @ 600°C (%)	0630	57.125	0.25000	56.456	0.68583	0.26733	43	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0948	57.130	0.04000	56.456	0.68583	0.26733	43	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	2006	57.290	0.60000	56.456	0.68583	0.26733	43	1.22	1%	0
005.00	Ash, 2h @ 600°C (%)	0413	57.300	0.80000	56.456	0.68583	0.26733	43	1.23	1%	0
005.00	Ash, 2h @ 600°C (%)	0297	57.600	0.00000	56.456	0.68583	0.26733	43	1.67	1%	0
005.00	Ash, 2h @ 600°C (%)	0552	57.620	0.66000	56.456	0.68583	0.26733	43	1.70	1%	0
005.00	Ash, 2h @ 600°C (%)	0596	52.640	1.2800	56.456	0.68583	0.26733	43	-5.56	3%	1
005.00	Ash, 2h @ 600°C (%)	0650	1.2850	0.05000	56.456	0.68583	0.26733	43	-80.44	49%	2
005.02	Ash, LECO (%)	0610	57.045	0.33000			0.33000	1			
005.05	Ash, 3h @ 550°C (%)	0893	55.900	0.02000	56.589	0.35628	0.16850	15	-1.93	1%	0
005.05	Ash, 3h @ 550°C (%)	0894	55.995	0.03000	56.589	0.35628	0.16850	15	-1.67	1%	0
005.05	Ash, 3h @ 550°C (%)	0904	56.225	0.29000	56.589	0.35628	0.16850	15	-1.02	0%	0
005.05	Ash, 3h @ 550°C (%)	2027	56.369	0.51100	56.589	0.35628	0.16850	15	-0.62	0%	0
005.05	Ash, 3h @ 550°C (%)	2050	56.430	0.14000	56.589	0.35628	0.16850	15	-0.45	0%	0
005.05	Ash, 3h @ 550°C (%)	2028	56.510	0.10000	56.589	0.35628	0.16850	15	-0.22	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	56.540	0.12000	56.589	0.35628	0.16850	15	-0.14	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	56.590	0.02000	56.589	0.35628	0.16850	15	0.00	0%	0
005.05	Ash, 3h @ 550°C (%)	0887	56.620	0.02000	56.589	0.35628	0.16850	15	0.09	0%	0
005.05	Ash, 3h @ 550°C (%)	0689	56.715	0.03000	56.589	0.35628	0.16850	15	0.35	0%	0
005.05	Ash, 3h @ 550°C (%)	0695	56.740	0.02000	56.589	0.35628	0.16850	15	0.42	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	56.810	0.03850	56.589	0.35628	0.16850	15	0.62	0%	0
005.05	Ash, 3h @ 550°C (%)	0178	56.930	0.66000	56.589	0.35628	0.16850	15	0.96	0%	0
005.05	Ash, 3h @ 550°C (%)	0720	57.340	0.30000	56.589	0.35628	0.16850	15	2.11	1%	0
005.05	Ash, 3h @ 550°C (%)	0866	57.704	0.22800	56.589	0.35628	0.16850	15	3.13	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
005.99	Ash, Miscellaneous (%)	0967	43.570	0.02000	56.579	0.41177	0.09667	6	-31.59	11%	0
005.99	Ash, Miscellaneous (%)	2004	56.300	0.00000	56.579	0.41177	0.09667	6	-0.68	0%	0
005.99	Ash, Miscellaneous (%)	0681	56.535	0.17000	56.579	0.41177	0.09667	6	-0.11	0%	0
005.99	Ash, Miscellaneous (%)	2023	56.755	0.37000	56.579	0.41177	0.09667	6	0.43	0%	0
005.99	Ash, Miscellaneous (%)	0716	56.850	0.02000	56.579	0.41177	0.09667	6	0.66	0%	0
005.99	Ash, Miscellaneous (%)	0652	57.000	0.00000	56.579	0.41177	0.09667	6	1.02	0%	0
005.99	Ash, Miscellaneous (%)	0939	57.385	1.9300	56.579	0.41177	0.09667	6	1.96	1%	1
006.99	Total sugars, Miscellaneous (%)	2004	0.00000	0.00000	2.0333	3.3501	0.17333	3	-0.61	50%	0
006.99	Total sugars, Miscellaneous (%)	0956	0.20000	0.20000	2.0333	3.3501	0.17333	3	-0.55	45%	0
006.99	Total sugars, Miscellaneous (%)	0670	5.9000	0.32000	2.0333	3.3501	0.17333	3	1.15	95%	0
008.02	Fiber, Acid Detergent, (%)	0609	15.410	0.04000	16.423	1.4319	0.17500	2	-0.71	3%	0
008.02	Fiber, Acid Detergent, (%)	0504	17.435	0.31000	16.423	1.4319	0.17500	2	0.71	3%	0
008.05	Fiber, Acid Detergent, Hach (%)	0265	14.650	0.30000			0.30000	1			
008.08	Fiber, Acid Detergent, ANKOM (%)	0848	15.115	0.35000	16.530	1.2599	0.48833	6	-1.12	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	15.750	0.30000	16.530	1.2599	0.48833	6	-0.62	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	15.950	0.90000	16.530	1.2599	0.48833	6	-0.46	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	17.050	0.62000	16.530	1.2599	0.48833	6	0.41	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	17.200	0.20000	16.530	1.2599	0.48833	6	0.53	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	18.480	0.56000	16.530	1.2599	0.48833	6	1.55	6%	0
009.04	Fiber, Neutral Detergent, No ENZ Pretreat (%)	0504	15.950	1.2000			1.2000	1			
009.07	Fiber, Neutral Detergent, ENZ Pretreat (%)	0609	18.140	0.02000			0.02000	1			
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	16.050	0.10000	19.286	5.9710	0.45200	5	-0.54	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	16.300	0.20000	19.286	5.9710	0.45200	5	-0.50	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	16.800	0.00000	19.286	5.9710	0.45200	5	-0.42	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	17.350	0.90000	19.286	5.9710	0.45200	5	-0.32	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	29.930	1.0600	19.286	5.9710	0.45200	5	1.78	28%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	24.595	4.4900	19.286	5.9710	0.45200	5	0.89	14%	1
010.03	Moisture, Karl-Fischer (%)	0843	6.3000	0.06000			0.06000	1			
010.99	Moisture, Miscellaneous (%)	0967	5.0400	0.06000	5.5859	0.24185	0.05741	7	-2.26	5%	0
010.99	Moisture, Miscellaneous (%)	2004	5.3050	0.09000	5.5859	0.24185	0.05741	7	-1.16	3%	0
010.99	Moisture, Miscellaneous (%)	0722	5.6020	0.07910	5.5859	0.24185	0.05741	7	0.07	0%	0
010.99	Moisture, Miscellaneous (%)	0651	5.6310	0.03000	5.5859	0.24185	0.05741	7	0.19	0%	0
010.99	Moisture, Miscellaneous (%)	0620	5.6338	0.10280	5.5859	0.24185	0.05741	7	0.20	0%	0
010.99	Moisture, Miscellaneous (%)	0939	5.7800	0.02000	5.5859	0.24185	0.05741	7	0.80	2%	0
010.99	Moisture, Miscellaneous (%)	0716	5.8500	0.02000	5.5859	0.24185	0.05741	7	1.09	2%	0
010.99	Moisture, Miscellaneous (%)	0168	5.8050	0.35000	5.5859	0.24185	0.05741	7	0.91	2%	1
011.01	Loss on Drying, 135 °C 2hr (%)	0874	5.7850	0.03000	6.3368	0.24928	0.05259	23	-2.21	4%	0
011.01	Loss on Drying, 135 °C 2hr (%)	2006	5.9900	0.00000	6.3368	0.24928	0.05259	23	-1.39	3%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0407	6.0500	0.12000	6.3368	0.24928	0.05259	23	-1.15	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0670	6.0750	0.01000	6.3368	0.24928	0.05259	23	-1.05	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0226	6.1000	0.00000	6.3368	0.24928	0.05259	23	-0.95	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0294	6.1000	0.00000	6.3368	0.24928	0.05259	23	-0.95	2%	0

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011.01	Loss on Drying, 135 °C 2hr (%)	0265	6.1500	0.10000	6.3368	0.24928	0.05259	23	-0.75	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0848	6.2150	0.25000	6.3368	0.24928	0.05259	23	-0.49	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0552	6.2250	0.09000	6.3368	0.24928	0.05259	23	-0.45	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0138	6.2830	0.06000	6.3368	0.24928	0.05259	23	-0.22	0%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0589	6.3100	0.02000	6.3368	0.24928	0.05259	23	-0.11	0%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0008	6.3950	0.03000	6.3368	0.24928	0.05259	23	0.23	0%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0171	6.4000	0.04000	6.3368	0.24928	0.05259	23	0.25	0%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0596	6.4650	0.07000	6.3368	0.24928	0.05259	23	0.51	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0511	6.4700	0.04000	6.3368	0.24928	0.05259	23	0.53	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0620	6.4731	0.01060	6.3368	0.24928	0.05259	23	0.55	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0622	6.4887	0.01200	6.3368	0.24928	0.05259	23	0.61	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0539	6.5250	0.03000	6.3368	0.24928	0.05259	23	0.75	1%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0722	6.5271	0.02700	6.3368	0.24928	0.05259	23	0.76	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0674	6.5900	0.00000	6.3368	0.24928	0.05259	23	1.02	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0541	6.5950	0.15000	6.3368	0.24928	0.05259	23	1.04	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0553	6.6100	0.06000	6.3368	0.24928	0.05259	23	1.10	2%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0958	6.7900	0.06000	6.3368	0.24928	0.05259	23	1.82	4%	0
011.01	Loss on Drying, 135 °C 2hr (%)	0843	5.9300	0.54000	6.3368	0.24928	0.05259	23	-1.63	3%	1
011.01	Loss on Drying, 135 °C 2hr (%)	0650	11.200	0.18000	6.3368	0.24928	0.05259	23	19.51	38%	2
011.02	Loss on drying, 130°C for 2 hours (%)	0942	5.6950	0.19000	6.1750	0.67882	0.25000	2	-0.71	4%	0
011.02	Loss on drying, 130°C for 2 hours (%)	2023	6.6550	0.31000	6.1750	0.67882	0.25000	2	0.71	4%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	5.3000	1.1200	6.1575	0.58907	0.35000	4	-1.46	7%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0681	6.2950	0.15000	6.1575	0.58907	0.35000	4	0.23	1%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	6.4000	0.00000	6.1575	0.58907	0.35000	4	0.41	2%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	6.6350	0.13000	6.1575	0.58907	0.35000	4	0.81	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	0609	0.00000	0.00000	0.37500	0.53033	0.15000	2	-0.71	50%	0
012.00	Starch, Polarimetric (Ewers) (%)	2023	0.75000	0.30000	0.37500	0.53033	0.15000	2	0.71	50%	0
012.01	Starch, Megazyme (%)	2004	3.2300	0.18000	3.8650	0.89803	0.19000	2	-0.71	8%	0
012.01	Starch, Megazyme (%)	0956	4.5000	0.20000	3.8650	0.89803	0.19000	2	0.71	8%	0
012.03	Starch, Enzymatic (%)	0297	1.4950	0.03000			0.03000	1			
012.04	Starch, YSI Analyzer (%)	0278	1.1000	0.00000			0.00000	1			
013.00	Fat, Acid hydrolysis (%)	0681	1.1350	0.01000	3.0880	1.6985	0.04800	5	-1.15	32%	0
013.00	Fat, Acid hydrolysis (%)	2004	2.0000	0.00000	3.0880	1.6985	0.04800	5	-0.64	18%	0
013.00	Fat, Acid hydrolysis (%)	0695	2.7900	0.06000	3.0880	1.6985	0.04800	5	-0.18	5%	0
013.00	Fat, Acid hydrolysis (%)	2023	4.0950	0.17000	3.0880	1.6985	0.04800	5	0.59	16%	0
013.00	Fat, Acid hydrolysis (%)	0504	5.4200	0.00000	3.0880	1.6985	0.04800	5	1.37	38%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0337	1.0950	0.07000	2.3963	1.4351	0.08167	6	-0.91	27%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0874	1.3600	0.02000	2.3963	1.4351	0.08167	6	-0.72	22%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	1.5750	0.21000	2.3963	1.4351	0.08167	6	-0.57	17%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	2.5400	0.02000	2.3963	1.4351	0.08167	6	0.10	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	3.9700	0.12000	2.3963	1.4351	0.08167	6	1.10	33%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	5.0550	0.05000	2.3963	1.4351	0.08167	6	1.85	55%	0

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013.10	Fat, Soxtec-Acid Hydrolysis (%)	0297	1.9650	0.01000	2.6325	0.94399	0.00500	2	-0.71	13%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0652	3.3000	0.00000	2.6325	0.94399	0.00500	2	0.71	13%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	3.3500	0.30000			0.30000	1			
015.41	Aluminum, ICP, Dry ash (ppm)	0049	169.11	10.570	275.55	150.54	27.285	2	-0.71	19%	0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	382.00	44.000	275.55	150.54	27.285	2	0.71	19%	0
015.42	Aluminum, ICP, Open vessel (ppm)	0560	407.50	33.000			33.000	1			
015.43	Aluminum, ICP, Microwave (ppm)	0510	332.00	10.000	427.53	89.698	31.250	4	-1.06	11%	0
015.43	Aluminum, ICP, Microwave (ppm)	0169	377.00	54.000	427.53	89.698	31.250	4	-0.56	6%	0
015.43	Aluminum, ICP, Microwave (ppm)	0353	470.60	56.000	427.53	89.698	31.250	4	0.48	5%	0
015.43	Aluminum, ICP, Microwave (ppm)	0297	530.50	5.0000	427.53	89.698	31.250	4	1.15	12%	0
015.52	Aluminum, ICP-MS, Open vessel (ppm)	0154	505.91	75.499	864.71	507.41	324.25	2	-0.71	21%	0
015.52	Aluminum, ICP-MS, Open vessel (ppm)	0047	1,223.5	573.00	864.71	507.41	324.25	2	0.71	21%	0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	507.00	96.000			96.000	1			
017.41	Boron, ICP, Dry ash (ppm)	0049	5.0600	1.0400			1.0400	1			
017.42	Boron, ICP, Open vessel (ppm)	0693	6.7300	0.56000			0.56000	1			
017.43	Boron, ICP, Microwave (ppm)	0297	12.500	1.0000	44.605	30.326	0.43500	4	-1.06	36%	0
017.43	Boron, ICP, Microwave (ppm)	0510	30.000	0.00000	44.605	30.326	0.43500	4	-0.48	16%	0
017.43	Boron, ICP, Microwave (ppm)	0353	53.400	0.70000	44.605	30.326	0.43500	4	0.29	10%	0
017.43	Boron, ICP, Microwave (ppm)	0294	82.520	0.04000	44.605	30.326	0.43500	4	1.25	43%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	15.085	0.03000	15.349	0.17126	0.11450	18	-1.54	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	15.200	0.00000	15.349	0.17126	0.11450	18	-0.87	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	15.200	0.18000	15.349	0.17126	0.11450	18	-0.87	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	15.214	0.13050	15.349	0.17126	0.11450	18	-0.79	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	15.215	0.11000	15.349	0.17126	0.11450	18	-0.78	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0894	15.235	0.09000	15.349	0.17126	0.11450	18	-0.67	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	15.255	0.01000	15.349	0.17126	0.11450	18	-0.55	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	15.294	0.10300	15.349	0.17126	0.11450	18	-0.32	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	15.301	0.37050	15.349	0.17126	0.11450	18	-0.28	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0716	15.325	0.07000	15.349	0.17126	0.11450	18	-0.14	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2027	15.355	0.01700	15.349	0.17126	0.11450	18	0.03	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0552	15.420	0.30000	15.349	0.17126	0.11450	18	0.42	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0896	15.430	0.02000	15.349	0.17126	0.11450	18	0.47	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0893	15.515	0.01000	15.349	0.17126	0.11450	18	0.97	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0337	15.570	0.34000	15.349	0.17126	0.11450	18	1.29	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2024	15.600	0.06000	15.349	0.17126	0.11450	18	1.47	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0887	15.690	0.02000	15.349	0.17126	0.11450	18	1.99	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0175	15.700	0.20000	15.349	0.17126	0.11450	18	2.05	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	12.324	0.05240	15.349	0.17126	0.11450	18	-17.66	10%	2
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	15.639	0.04180			0.04180	1			
019.08	Calcium, EDTA (%)	0940	14.830	0.20000	16.098	1.0166	0.17153	8	-1.25	4%	0
019.08	Calcium, EDTA (%)	0852	15.350	0.30000	16.098	1.0166	0.17153	8	-0.74	2%	0
019.08	Calcium, EDTA (%)	2009	15.450	0.06220	16.098	1.0166	0.17153	8	-0.64	2%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.08	Calcium, EDTA (%)	0885	15.730	0.06000	16.098	1.0166	0.17153	8	-0.36	1%	0
019.08	Calcium, EDTA (%)	0689	16.545	0.41000	16.098	1.0166	0.17153	8	0.44	1%	0
019.08	Calcium, EDTA (%)	0590	16.550	0.10000	16.098	1.0166	0.17153	8	0.44	1%	0
019.08	Calcium, EDTA (%)	0607	16.839	0.17400	16.098	1.0166	0.17153	8	0.73	2%	0
019.08	Calcium, EDTA (%)	0138	17.494	0.06600	16.098	1.0166	0.17153	8	1.37	4%	0
019.31	Calcium, AAS, Dry ash (%)	0650	0.01500	0.01000	14.994	0.73518	0.33519	27	-20.37	50%	0
019.31	Calcium, AAS, Dry ash (%)	0108	7.9250	0.07000	14.994	0.73518	0.33519	27	-9.61	24%	0
019.31	Calcium, AAS, Dry ash (%)	0152	12.350	0.30000	14.994	0.73518	0.33519	27	-3.60	9%	0
019.31	Calcium, AAS, Dry ash (%)	0354	14.010	0.08000	14.994	0.73518	0.33519	27	-1.34	3%	0
019.31	Calcium, AAS, Dry ash (%)	0948	14.115	0.07000	14.994	0.73518	0.33519	27	-1.19	3%	0
019.31	Calcium, AAS, Dry ash (%)	0001	14.400	0.20000	14.994	0.73518	0.33519	27	-0.81	2%	0
019.31	Calcium, AAS, Dry ash (%)	0874	14.505	0.55000	14.994	0.73518	0.33519	27	-0.66	2%	0
019.31	Calcium, AAS, Dry ash (%)	0653	14.510	0.02000	14.994	0.73518	0.33519	27	-0.66	2%	0
019.31	Calcium, AAS, Dry ash (%)	0596	14.775	0.35000	14.994	0.73518	0.33519	27	-0.30	1%	0
019.31	Calcium, AAS, Dry ash (%)	0563	14.804	0.26300	14.994	0.73518	0.33519	27	-0.26	1%	0
019.31	Calcium, AAS, Dry ash (%)	0921	14.864	0.90300	14.994	0.73518	0.33519	27	-0.18	0%	0
019.31	Calcium, AAS, Dry ash (%)	0670	14.975	0.01000	14.994	0.73518	0.33519	27	-0.03	0%	0
019.31	Calcium, AAS, Dry ash (%)	0066	15.025	0.29000	14.994	0.73518	0.33519	27	0.04	0%	0
019.31	Calcium, AAS, Dry ash (%)	0208	15.050	0.10000	14.994	0.73518	0.33519	27	0.08	0%	0
019.31	Calcium, AAS, Dry ash (%)	0505	15.075	0.35000	14.994	0.73518	0.33519	27	0.11	0%	0
019.31	Calcium, AAS, Dry ash (%)	0689	15.100	0.00000	14.994	0.73518	0.33519	27	0.14	0%	0
019.31	Calcium, AAS, Dry ash (%)	0939	15.115	0.25000	14.994	0.73518	0.33519	27	0.17	0%	0
019.31	Calcium, AAS, Dry ash (%)	0305	15.285	0.67000	14.994	0.73518	0.33519	27	0.40	1%	0
019.31	Calcium, AAS, Dry ash (%)	0038	15.390	0.02000	14.994	0.73518	0.33519	27	0.54	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	15.400	0.60000	14.994	0.73518	0.33519	27	0.55	1%	0
019.31	Calcium, AAS, Dry ash (%)	0868	15.450	0.10000	14.994	0.73518	0.33519	27	0.62	2%	0
019.31	Calcium, AAS, Dry ash (%)	0590	15.525	0.15000	14.994	0.73518	0.33519	27	0.72	2%	0
019.31	Calcium, AAS, Dry ash (%)	0536	15.560	0.74000	14.994	0.73518	0.33519	27	0.77	2%	0
019.31	Calcium, AAS, Dry ash (%)	0674	15.670	0.00000	14.994	0.73518	0.33519	27	0.92	2%	0
019.31	Calcium, AAS, Dry ash (%)	0142	16.050	1.3000	14.994	0.73518	0.33519	27	1.44	4%	0
019.31	Calcium, AAS, Dry ash (%)	0178	16.490	0.66000	14.994	0.73518	0.33519	27	2.04	5%	0
019.31	Calcium, AAS, Dry ash (%)	0951	18.154	0.99400	14.994	0.73518	0.33519	27	4.30	11%	0
019.32	Calcium, AAS, Open vessel (%)	0263	14.941	0.00530	15.560	0.56920	0.17438	8	-1.09	2%	0
019.32	Calcium, AAS, Open vessel (%)	0013	15.100	0.60000	15.560	0.56920	0.17438	8	-0.81	1%	0
019.32	Calcium, AAS, Open vessel (%)	0612	15.180	0.24000	15.560	0.56920	0.17438	8	-0.67	1%	0
019.32	Calcium, AAS, Open vessel (%)	0722	15.311	0.14150	15.560	0.56920	0.17438	8	-0.44	1%	0
019.32	Calcium, AAS, Open vessel (%)	0036	15.710	0.03820	15.560	0.56920	0.17438	8	0.26	0%	0
019.32	Calcium, AAS, Open vessel (%)	0169	15.870	0.02000	15.560	0.56920	0.17438	8	0.55	1%	0
019.32	Calcium, AAS, Open vessel (%)	0010	16.000	0.12000	15.560	0.56920	0.17438	8	0.77	1%	0
019.32	Calcium, AAS, Open vessel (%)	0609	16.575	0.23000	15.560	0.56920	0.17438	8	1.78	3%	0
019.32	Calcium, AAS, Open vessel (%)	0035	14.065	1.4300	15.560	0.56920	0.17438	8	-2.63	5%	1
019.33	Calcium, AAS, Microwave (%)	0904	13.910	0.24000			0.24000	1			

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0661	0.15500	0.01000	15.423	0.84677	0.32362	25	-18.03	49%	0
019.41	Calcium, ICP, Dry ash (%)	0695	8.2350	0.07000	15.423	0.84677	0.32362	25	-8.49	23%	0
019.41	Calcium, ICP, Dry ash (%)	2006	13.371	0.18400	15.423	0.84677	0.32362	25	-2.42	7%	0
019.41	Calcium, ICP, Dry ash (%)	0955	14.600	0.20000	15.423	0.84677	0.32362	25	-0.97	3%	0
019.41	Calcium, ICP, Dry ash (%)	0208	14.820	0.66000	15.423	0.84677	0.32362	25	-0.71	2%	0
019.41	Calcium, ICP, Dry ash (%)	0051	14.859	0.67450	15.423	0.84677	0.32362	25	-0.67	2%	0
019.41	Calcium, ICP, Dry ash (%)	0011	14.886	0.00210	15.423	0.84677	0.32362	25	-0.63	2%	0
019.41	Calcium, ICP, Dry ash (%)	0512	14.955	0.17000	15.423	0.84677	0.32362	25	-0.55	2%	0
019.41	Calcium, ICP, Dry ash (%)	0019	15.160	0.50000	15.423	0.84677	0.32362	25	-0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	0720	15.180	0.34000	15.423	0.84677	0.32362	25	-0.29	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	15.275	0.37000	15.423	0.84677	0.32362	25	-0.17	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	15.365	0.31000	15.423	0.84677	0.32362	25	-0.07	0%	0
019.41	Calcium, ICP, Dry ash (%)	0610	15.370	0.42000	15.423	0.84677	0.32362	25	-0.06	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	15.540	0.08000	15.423	0.84677	0.32362	25	0.14	0%	0
019.41	Calcium, ICP, Dry ash (%)	0083	15.585	0.07000	15.423	0.84677	0.32362	25	0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0049	15.615	0.37000	15.423	0.84677	0.32362	25	0.23	1%	0
019.41	Calcium, ICP, Dry ash (%)	2023	15.750	0.30000	15.423	0.84677	0.32362	25	0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	0003	15.925	0.59000	15.423	0.84677	0.32362	25	0.59	2%	0
019.41	Calcium, ICP, Dry ash (%)	0553	15.950	0.90000	15.423	0.84677	0.32362	25	0.62	2%	0
019.41	Calcium, ICP, Dry ash (%)	0848	16.030	0.02000	15.423	0.84677	0.32362	25	0.72	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	16.170	0.16000	15.423	0.84677	0.32362	25	0.88	2%	0
019.41	Calcium, ICP, Dry ash (%)	0413	16.300	1.0000	15.423	0.84677	0.32362	25	1.04	3%	0
019.41	Calcium, ICP, Dry ash (%)	0598	16.670	0.18000	15.423	0.84677	0.32362	25	1.47	4%	0
019.41	Calcium, ICP, Dry ash (%)	0226	16.685	0.13000	15.423	0.84677	0.32362	25	1.49	4%	0
019.41	Calcium, ICP, Dry ash (%)	0511	17.100	0.38000	15.423	0.84677	0.32362	25	1.98	5%	0
019.41	Calcium, ICP, Dry ash (%)	0004	16.345	1.8500	15.423	0.84677	0.32362	25	1.09	3%	1
019.42	Calcium, ICP, Open vessel (%)	0035	13.575	0.49000	15.421	0.61745	0.41184	16	-2.99	6%	0
019.42	Calcium, ICP, Open vessel (%)	0357	14.700	0.58000	15.421	0.61745	0.41184	16	-1.17	2%	0
019.42	Calcium, ICP, Open vessel (%)	0366	14.800	0.40000	15.421	0.61745	0.41184	16	-1.01	2%	0
019.42	Calcium, ICP, Open vessel (%)	0187	14.895	0.17000	15.421	0.61745	0.41184	16	-0.85	2%	0
019.42	Calcium, ICP, Open vessel (%)	0074	14.960	0.40000	15.421	0.61745	0.41184	16	-0.75	1%	0
019.42	Calcium, ICP, Open vessel (%)	0186	15.220	0.30000	15.421	0.61745	0.41184	16	-0.33	1%	0
019.42	Calcium, ICP, Open vessel (%)	0106	15.350	0.10000	15.421	0.61745	0.41184	16	-0.11	0%	0
019.42	Calcium, ICP, Open vessel (%)	0964	15.400	0.64000	15.421	0.61745	0.41184	16	-0.03	0%	0
019.42	Calcium, ICP, Open vessel (%)	0693	15.460	0.56000	15.421	0.61745	0.41184	16	0.06	0%	0
019.42	Calcium, ICP, Open vessel (%)	0045	15.650	0.10000	15.421	0.61745	0.41184	16	0.37	1%	0
019.42	Calcium, ICP, Open vessel (%)	2012	15.660	0.24000	15.421	0.61745	0.41184	16	0.39	1%	0
019.42	Calcium, ICP, Open vessel (%)	0560	15.738	0.76950	15.421	0.61745	0.41184	16	0.51	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	16.000	0.22000	15.421	0.61745	0.41184	16	0.94	2%	0
019.42	Calcium, ICP, Open vessel (%)	0202	16.010	0.00000	15.421	0.61745	0.41184	16	0.95	2%	0
019.42	Calcium, ICP, Open vessel (%)	0265	16.050	1.1200	15.421	0.61745	0.41184	16	1.02	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	19.050	0.50000	15.421	0.61745	0.41184	16	5.88	12%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.42	Calcium, ICP, Open vessel (%)	0026	15.004	2.6082	15.421	0.61745	0.41184	16	-0.68	1%	1
019.43	Calcium, ICP, Microwave (%)	0043	13.580	0.12000	15.503	1.0164	0.20011	18	-1.89	6%	0
019.43	Calcium, ICP, Microwave (%)	0510	14.135	0.13000	15.503	1.0164	0.20011	18	-1.35	4%	0
019.43	Calcium, ICP, Microwave (%)	0297	14.575	0.25000	15.503	1.0164	0.20011	18	-0.91	3%	0
019.43	Calcium, ICP, Microwave (%)	0914	14.660	0.02000	15.503	1.0164	0.20011	18	-0.83	3%	0
019.43	Calcium, ICP, Microwave (%)	0028	14.890	0.22000	15.503	1.0164	0.20011	18	-0.60	2%	0
019.43	Calcium, ICP, Microwave (%)	0018	15.150	0.10000	15.503	1.0164	0.20011	18	-0.35	1%	0
019.43	Calcium, ICP, Microwave (%)	0148	15.275	0.01000	15.503	1.0164	0.20011	18	-0.22	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	15.310	1.2200	15.503	1.0164	0.20011	18	-0.19	1%	0
019.43	Calcium, ICP, Microwave (%)	0353	15.325	0.25000	15.503	1.0164	0.20011	18	-0.17	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	15.360	0.06000	15.503	1.0164	0.20011	18	-0.14	0%	0
019.43	Calcium, ICP, Microwave (%)	0675	15.455	0.11000	15.503	1.0164	0.20011	18	-0.05	0%	0
019.43	Calcium, ICP, Microwave (%)	0017	15.695	0.19000	15.503	1.0164	0.20011	18	0.19	1%	0
019.43	Calcium, ICP, Microwave (%)	0619	16.100	0.00000	15.503	1.0164	0.20011	18	0.59	2%	0
019.43	Calcium, ICP, Microwave (%)	0629	16.155	0.00000	15.503	1.0164	0.20011	18	0.64	2%	0
019.43	Calcium, ICP, Microwave (%)	0042	16.350	0.50000	15.503	1.0164	0.20011	18	0.83	3%	0
019.43	Calcium, ICP, Microwave (%)	0350	16.750	0.10000	15.503	1.0164	0.20011	18	1.23	4%	0
019.43	Calcium, ICP, Microwave (%)	0168	17.195	0.24200	15.503	1.0164	0.20011	18	1.66	5%	0
019.43	Calcium, ICP, Microwave (%)	0294	17.460	0.08000	15.503	1.0164	0.20011	18	1.93	6%	0
019.43	Calcium, ICP, Microwave (%)	0008	16.200	1.8000	15.503	1.0164	0.20011	18	0.69	2%	1
019.44	Calcium, ICP, Dry ash (%)	2004	15.900	0.00000			0.00000	1			
019.52	Calcium, ICP-MS, Open vessel (%)	0047	17.150	0.30000			0.30000	1			
019.53	Calcium, ICP-MS, Microwave (%)	0199	14.550	0.10000	15.044	0.34310	0.31535	4	-1.44	2%	0
019.53	Calcium, ICP-MS, Microwave (%)	0941	15.078	0.38140	15.044	0.34310	0.31535	4	0.10	0%	0
019.53	Calcium, ICP-MS, Microwave (%)	2034	15.250	0.18000	15.044	0.34310	0.31535	4	0.60	1%	0
019.53	Calcium, ICP-MS, Microwave (%)	0572	15.300	0.60000	15.044	0.34310	0.31535	4	0.74	1%	0
019.99	Calcium, Miscellaneous (%)	0665	10.615	1.2500	13.247	3.7219	0.81050	2	-0.71	10%	0
019.99	Calcium, Miscellaneous (%)	0676	15.879	0.37100	13.247	3.7219	0.81050	2	0.71	10%	0
021.31	Cobalt, AAS, Dry ash (ppm)	0175	12.000	0.00000	17.532	8.3446	0.17000	3	-0.66	16%	0
021.31	Cobalt, AAS, Dry ash (ppm)	0939	13.465	0.17000	17.532	8.3446	0.17000	3	-0.49	12%	0
021.31	Cobalt, AAS, Dry ash (ppm)	0596	27.130	0.34000	17.532	8.3446	0.17000	3	1.15	27%	0
021.41	Cobalt, ICP, Dry ash (ppm)	0011	12.502	0.75650			0.75650	1			
021.42	Cobalt, ICP, Open vessel (ppm)	0693	10.760	0.06000	12.693	1.6767	0.19333	3	-1.15	8%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0964	13.570	0.42000	12.693	1.6767	0.19333	3	0.52	3%	0
021.42	Cobalt, ICP, Open vessel (ppm)	0106	13.750	0.10000	12.693	1.6767	0.19333	3	0.63	4%	0
021.43	Cobalt, ICP, Microwave (ppm)	0619	8.9500	0.20000	12.205	2.1808	0.14000	4	-1.49	13%	0
021.43	Cobalt, ICP, Microwave (ppm)	0510	13.020	0.06000	12.205	2.1808	0.14000	4	0.37	3%	0
021.43	Cobalt, ICP, Microwave (ppm)	0629	13.300	0.00000	12.205	2.1808	0.14000	4	0.50	4%	0
021.43	Cobalt, ICP, Microwave (ppm)	0169	13.550	0.30000	12.205	2.1808	0.14000	4	0.62	6%	0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0098	12.880	0.30000	13.717	1.3898	0.56300	3	-0.60	3%	0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0047	12.950	1.3000	13.717	1.3898	0.56300	3	-0.55	3%	0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0154	15.322	0.08900	13.717	1.3898	0.56300	3	1.15	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	14.250	0.90000			0.90000	1			
022.31	Copper, AAS, Dry ash (ppm)	0354	474.73	2.2200	23,150	1,067.6	322.00	19	-21.24	49%	0
022.31	Copper, AAS, Dry ash (ppm)	0674	2,251.7	0.00000	23,150	1,067.6	322.00	19	-19.58	45%	0
022.31	Copper, AAS, Dry ash (ppm)	0921	14,739	0.00000	23,150	1,067.6	322.00	19	-7.88	18%	0
022.31	Copper, AAS, Dry ash (ppm)	0563	22,349	429.94	23,150	1,067.6	322.00	19	-0.75	2%	0
022.31	Copper, AAS, Dry ash (ppm)	0939	22,536	8.0000	23,150	1,067.6	322.00	19	-0.58	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0178	22,550	500.00	23,150	1,067.6	322.00	19	-0.56	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0689	22,750	100.00	23,150	1,067.6	322.00	19	-0.38	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0590	22,799	210.00	23,150	1,067.6	322.00	19	-0.33	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0505	22,850	300.00	23,150	1,067.6	322.00	19	-0.28	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0066	23,200	440.00	23,150	1,067.6	322.00	19	0.05	0%	0
022.31	Copper, AAS, Dry ash (ppm)	0866	23,349	762.89	23,150	1,067.6	322.00	19	0.19	0%	0
022.31	Copper, AAS, Dry ash (ppm)	0723	23,361	2.0000	23,150	1,067.6	322.00	19	0.20	0%	0
022.31	Copper, AAS, Dry ash (ppm)	0208	23,450	1,700.0	23,150	1,067.6	322.00	19	0.28	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0175	23,550	300.00	23,150	1,067.6	322.00	19	0.37	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0868	23,758	125.00	23,150	1,067.6	322.00	19	0.57	1%	0
022.31	Copper, AAS, Dry ash (ppm)	0536	24,262	266.96	23,150	1,067.6	322.00	19	1.04	2%	0
022.31	Copper, AAS, Dry ash (ppm)	0014	24,542	332.00	23,150	1,067.6	322.00	19	1.30	3%	0
022.31	Copper, AAS, Dry ash (ppm)	0596	24,965	409.99	23,150	1,067.6	322.00	19	1.70	4%	0
022.31	Copper, AAS, Dry ash (ppm)	0951	28,222	229.00	23,150	1,067.6	322.00	19	4.75	11%	0
022.31	Copper, AAS, Dry ash (ppm)	0001	23,288	1,882.0	23,150	1,067.6	322.00	19	0.13	0%	1
022.32	Copper, AAS, Open vessel (ppm)	0609	22,450	100.00	24,179	506.84	274.10	9	-3.41	4%	0
022.32	Copper, AAS, Open vessel (ppm)	0038	23,530	460.00	24,179	506.84	274.10	9	-1.28	1%	0
022.32	Copper, AAS, Open vessel (ppm)	0504	23,956	178.00	24,179	506.84	274.10	9	-0.44	0%	0
022.32	Copper, AAS, Open vessel (ppm)	0010	23,976	26.000	24,179	506.84	274.10	9	-0.40	0%	0
022.32	Copper, AAS, Open vessel (ppm)	0036	24,210	121.40	24,179	506.84	274.10	9	0.06	0%	0
022.32	Copper, AAS, Open vessel (ppm)	0612	24,325	150.00	24,179	506.84	274.10	9	0.29	0%	0
022.32	Copper, AAS, Open vessel (ppm)	2042	24,495	190.00	24,179	506.84	274.10	9	0.62	1%	0
022.32	Copper, AAS, Open vessel (ppm)	0013	24,750	900.00	24,179	506.84	274.10	9	1.13	1%	0
022.32	Copper, AAS, Open vessel (ppm)	0263	24,753	341.46	24,179	506.84	274.10	9	1.13	1%	0
022.32	Copper, AAS, Open vessel (ppm)	0035	25,139	3,562.0	24,179	506.84	274.10	9	1.89	2%	1
022.33	Copper, AAS, Microwave (ppm)	0716	23,493	0.36900	15,488	13,398	529.57	3	-1.15	50%	0
022.33	Copper, AAS, Microwave (ppm)	0948	22,841	68.345	15,488	13,398	529.57	3	0.55	24%	0
022.33	Copper, AAS, Microwave (ppm)	0904	23,600	1,520.0	15,488	13,398	529.57	3	0.61	26%	0
022.41	Copper, ICP, Dry ash (ppm)	0955	2.2900	0.12000	23,410	1,452.1	331.44	23	-16.12	50%	0
022.41	Copper, ICP, Dry ash (ppm)	0695	11,826	300.26	23,410	1,452.1	331.44	23	-7.98	25%	0
022.41	Copper, ICP, Dry ash (ppm)	0019	21,595	250.00	23,410	1,452.1	331.44	23	-1.25	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0011	22,079	36.000	23,410	1,452.1	331.44	23	-0.92	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0720	22,263	104.79	23,410	1,452.1	331.44	23	-0.79	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0300	22,283	245.51	23,410	1,452.1	331.44	23	-0.78	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	22,285	210.00	23,410	1,452.1	331.44	23	-0.77	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	22,825	150.00	23,410	1,452.1	331.44	23	-0.40	1%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
022.41	Copper, ICP, Dry ash (ppm)	0051	22,996	1,099.9	23,410	1,452.1	331.44	23	-0.28	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0512	23,050	20.000	23,410	1,452.1	331.44	23	-0.25	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0004	23,184	378.00	23,410	1,452.1	331.44	23	-0.16	0%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	23,550	100.00	23,410	1,452.1	331.44	23	0.10	0%	0
022.41	Copper, ICP, Dry ash (ppm)	0208	23,740	760.00	23,410	1,452.1	331.44	23	0.23	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	23,785	10.000	23,410	1,452.1	331.44	23	0.26	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0083	23,992	824.00	23,410	1,452.1	331.44	23	0.40	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0049	24,176	1,198.5	23,410	1,452.1	331.44	23	0.53	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0848	24,397	1.0900	23,410	1,452.1	331.44	23	0.68	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0610	24,506	380.00	23,410	1,452.1	331.44	23	0.75	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0511	24,570	380.00	23,410	1,452.1	331.44	23	0.80	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	24,604	125.00	23,410	1,452.1	331.44	23	0.82	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0553	24,950	300.00	23,410	1,452.1	331.44	23	1.06	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0229	25,445	370.00	23,410	1,452.1	331.44	23	1.40	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0598	25,790	380.00	23,410	1,452.1	331.44	23	1.64	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0003	26,000	4,185.0	23,410	1,452.1	331.44	23	1.78	6%	1
022.42	Copper, ICP, Open vessel (ppm)	0265	21,623	2,334.0	23,830	1,534.1	879.93	17	-1.44	5%	0
022.42	Copper, ICP, Open vessel (ppm)	0186	22,054	1,491.0	23,830	1,534.1	879.93	17	-1.16	4%	0
022.42	Copper, ICP, Open vessel (ppm)	0366	22,300	1,400.0	23,830	1,534.1	879.93	17	-1.00	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0187	22,474	293.56	23,830	1,534.1	879.93	17	-0.88	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0964	22,842	1,837.0	23,830	1,534.1	879.93	17	-0.64	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0278	23,141	123.20	23,830	1,534.1	879.93	17	-0.45	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0560	23,477	56.000	23,830	1,534.1	879.93	17	-0.23	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0357	23,486	904.00	23,830	1,534.1	879.93	17	-0.22	1%	0
022.42	Copper, ICP, Open vessel (ppm)	2012	23,615	200.00	23,830	1,534.1	879.93	17	-0.14	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0035	24,053	1,475.0	23,830	1,534.1	879.93	17	0.15	0%	0
022.42	Copper, ICP, Open vessel (ppm)	0693	24,360	1,262.0	23,830	1,534.1	879.93	17	0.35	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0202	24,495	73.000	23,830	1,534.1	879.93	17	0.43	1%	0
022.42	Copper, ICP, Open vessel (ppm)	0045	24,800	1,000.0	23,830	1,534.1	879.93	17	0.63	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0106	24,900	0.00000	23,830	1,534.1	879.93	17	0.70	2%	0
022.42	Copper, ICP, Open vessel (ppm)	0074	25,255	410.00	23,830	1,534.1	879.93	17	0.93	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0413	26,100	1,800.0	23,830	1,534.1	879.93	17	1.48	5%	0
022.42	Copper, ICP, Open vessel (ppm)	0692	27,350	300.00	23,830	1,534.1	879.93	17	2.29	7%	0
022.42	Copper, ICP, Open vessel (ppm)	0026	2.0847	0.44930	23,830	1,534.1	879.93	17	-15.53	50%	2
022.43	Copper, ICP, Microwave (ppm)	0168	2.5610	0.02600	23,023	2,051.2	489.53	19	-11.22	50%	0
022.43	Copper, ICP, Microwave (ppm)	0297	2,983.5	433.00	23,023	2,051.2	489.53	19	-9.77	44%	0
022.43	Copper, ICP, Microwave (ppm)	0353	9,723.0	0.00000	23,023	2,051.2	489.53	19	-6.48	29%	0
022.43	Copper, ICP, Microwave (ppm)	0619	20,700	600.00	23,023	2,051.2	489.53	19	-1.13	5%	0
022.43	Copper, ICP, Microwave (ppm)	2023	21,750	100.00	23,023	2,051.2	489.53	19	-0.62	3%	0
022.43	Copper, ICP, Microwave (ppm)	0169	21,900	1,200.0	23,023	2,051.2	489.53	19	-0.55	2%	0
022.43	Copper, ICP, Microwave (ppm)	0098	22,265	850.00	23,023	2,051.2	489.53	19	-0.37	2%	0
022.43	Copper, ICP, Microwave (ppm)	0629	23,000	0.00000	23,023	2,051.2	489.53	19	-0.01	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
022.43	Copper, ICP, Microwave (ppm)	0018	23,075	570.00	23,023	2,051.2	489.53	19	0.03	0%	0
022.43	Copper, ICP, Microwave (ppm)	0510	23,350	500.00	23,023	2,051.2	489.53	19	0.16	1%	0
022.43	Copper, ICP, Microwave (ppm)	0036	23,770	732.40	23,023	2,051.2	489.53	19	0.36	2%	0
022.43	Copper, ICP, Microwave (ppm)	0042	23,905	690.00	23,023	2,051.2	489.53	19	0.43	2%	0
022.43	Copper, ICP, Microwave (ppm)	0675	23,909	13.350	23,023	2,051.2	489.53	19	0.43	2%	0
022.43	Copper, ICP, Microwave (ppm)	0148	24,141	26.000	23,023	2,051.2	489.53	19	0.55	2%	0
022.43	Copper, ICP, Microwave (ppm)	0350	24,500	200.00	23,023	2,051.2	489.53	19	0.72	3%	0
022.43	Copper, ICP, Microwave (ppm)	0027	24,901	316.00	23,023	2,051.2	489.53	19	0.92	4%	0
022.43	Copper, ICP, Microwave (ppm)	0294	25,137	80.200	23,023	2,051.2	489.53	19	1.03	5%	0
022.43	Copper, ICP, Microwave (ppm)	0008	25,150	2,700.0	23,023	2,051.2	489.53	19	1.04	5%	0
022.43	Copper, ICP, Microwave (ppm)	0028	25,603	290.00	23,023	2,051.2	489.53	19	1.26	6%	0
022.43	Copper, ICP, Microwave (ppm)	0017	21,235	3,390.0	23,023	2,051.2	489.53	19	-0.87	4%	1
022.44	Copper, ICP, Dry ash (ppm)	2004	25,800	1,200.0			1,200.0	1			
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	2.5000	0.20000			0.20000	1			
022.53	Copper, ICP-MS, Microwave (ppm)	0941	23,526	585.00	23,644	173.54	691.25	4	-0.68	0%	0
022.53	Copper, ICP-MS, Microwave (ppm)	0572	23,550	980.00	23,644	173.54	691.25	4	-0.54	0%	0
022.53	Copper, ICP-MS, Microwave (ppm)	2034	23,600	800.00	23,644	173.54	691.25	4	-0.25	0%	0
022.53	Copper, ICP-MS, Microwave (ppm)	0199	23,900	400.00	23,644	173.54	691.25	4	1.48	1%	0
023.01	Fluorine, Ion Sel Elect (%)	0868	0.00110	0.00000			0.00000	1			
024.99	Iodine, Miscellaneous (ppm)	0675	39.475	0.67000	100.27	41.080	9.3675	4	-1.48	30%	0
024.99	Iodine, Miscellaneous (ppm)	0668	112.60	26.800	100.27	41.080	9.3675	4	0.30	6%	0
024.99	Iodine, Miscellaneous (ppm)	0186	120.00	6.0000	100.27	41.080	9.3675	4	0.48	10%	0
024.99	Iodine, Miscellaneous (ppm)	0941	129.00	4.0000	100.27	41.080	9.3675	4	0.70	14%	0
025.31	Iron, AAS, Dry ash (ppm)	0955	1.4800	0.04000	15,001	819.93	347.42	18	-18.29	50%	0
025.31	Iron, AAS, Dry ash (ppm)	0354	308.75	3.9000	15,001	819.93	347.42	18	-17.92	49%	0
025.31	Iron, AAS, Dry ash (ppm)	0596	13,369	476.36	15,001	819.93	347.42	18	-1.99	5%	0
025.31	Iron, AAS, Dry ash (ppm)	0563	14,485	377.68	15,001	819.93	347.42	18	-0.63	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0505	14,500	500.00	15,001	819.93	347.42	18	-0.61	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0038	14,520	940.00	15,001	819.93	347.42	18	-0.59	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0939	14,758	82.000	15,001	819.93	347.42	18	-0.30	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0723	14,922	0.00000	15,001	819.93	347.42	18	-0.10	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0670	14,937	12.000	15,001	819.93	347.42	18	-0.08	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0001	15,069	952.00	15,001	819.93	347.42	18	0.08	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0689	15,100	200.00	15,001	819.93	347.42	18	0.12	0%	0
025.31	Iron, AAS, Dry ash (ppm)	0874	15,240	120.00	15,001	819.93	347.42	18	0.29	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0175	15,350	100.00	15,001	819.93	347.42	18	0.43	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0868	15,415	370.00	15,001	819.93	347.42	18	0.51	1%	0
025.31	Iron, AAS, Dry ash (ppm)	0208	15,700	1,200.0	15,001	819.93	347.42	18	0.85	2%	0
025.31	Iron, AAS, Dry ash (ppm)	0014	16,616	142.00	15,001	819.93	347.42	18	1.97	5%	0
025.31	Iron, AAS, Dry ash (ppm)	0951	17,647	427.60	15,001	819.93	347.42	18	3.23	9%	0
025.31	Iron, AAS, Dry ash (ppm)	0178	18,065	350.00	15,001	819.93	347.42	18	3.74	10%	0
025.31	Iron, AAS, Dry ash (ppm)	0921	2,751.0	2,534.0	15,001	819.93	347.42	18	-14.94	41%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
025.32	Iron, AAS, Open vessel (ppm)	2042	13,765	30.000	15,569	523.23	129.51	8	-3.45	6%	0
025.32	Iron, AAS, Open vessel (ppm)	0263	14,610	78.800	15,569	523.23	129.51	8	-1.83	3%	0
025.32	Iron, AAS, Open vessel (ppm)	0036	15,315	110.00	15,569	523.23	129.51	8	-0.48	1%	0
025.32	Iron, AAS, Open vessel (ppm)	0013	15,450	100.00	15,569	523.23	129.51	8	-0.23	0%	0
025.32	Iron, AAS, Open vessel (ppm)	0337	15,797	189.25	15,569	523.23	129.51	8	0.44	1%	0
025.32	Iron, AAS, Open vessel (ppm)	0612	15,866	31.000	15,569	523.23	129.51	8	0.57	1%	0
025.32	Iron, AAS, Open vessel (ppm)	0504	15,891	357.00	15,569	523.23	129.51	8	0.62	1%	0
025.32	Iron, AAS, Open vessel (ppm)	0609	18,670	140.00	15,569	523.23	129.51	8	5.93	10%	0
025.32	Iron, AAS, Open vessel (ppm)	0035	16,648	1,515.0	15,569	523.23	129.51	8	2.06	3%	1
025.33	Iron, AAS, Microwave (ppm)	0716	15,551	0.36600	9,972.5	8,675.9	116.15	3	-1.15	50%	0
025.33	Iron, AAS, Microwave (ppm)	0948	13,994	143.10	9,972.5	8,675.9	116.15	3	0.46	20%	0
025.33	Iron, AAS, Microwave (ppm)	0904	15,908	205.00	9,972.5	8,675.9	116.15	3	0.68	30%	0
025.34	Iron, AAS, Dry ash (ppm)	0066	17,492	794.00			794.00	1			
025.41	Iron, ICP, Dry ash (ppm)	0720	6,983.1	244.60	15,578	673.94	455.38	25	-12.75	28%	0
025.41	Iron, ICP, Dry ash (ppm)	0695	8,345.9	101.23	15,578	673.94	455.38	25	-10.73	23%	0
025.41	Iron, ICP, Dry ash (ppm)	0511	14,628	365.00	15,578	673.94	455.38	25	-1.41	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0049	14,939	306.30	15,578	673.94	455.38	25	-0.95	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0300	15,047	254.49	15,578	673.94	455.38	25	-0.79	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0051	15,052	352.00	15,578	673.94	455.38	25	-0.78	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	15,065	210.00	15,578	673.94	455.38	25	-0.76	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0004	15,378	43.000	15,578	673.94	455.38	25	-0.30	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0512	15,385	170.00	15,578	673.94	455.38	25	-0.29	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0610	15,463	255.00	15,578	673.94	455.38	25	-0.17	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0208	15,465	1,050.0	15,578	673.94	455.38	25	-0.17	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0964	15,548	1,603.0	15,578	673.94	455.38	25	-0.05	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0226	15,575	350.00	15,578	673.94	455.38	25	0.00	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	15,635	450.00	15,578	673.94	455.38	25	0.08	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0229	15,730	80.000	15,578	673.94	455.38	25	0.23	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	15,740	97.000	15,578	673.94	455.38	25	0.24	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0553	15,800	400.00	15,578	673.94	455.38	25	0.33	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0848	15,849	3,2800	15,578	673.94	455.38	25	0.40	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	15,920	780.00	15,578	673.94	455.38	25	0.51	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0083	16,040	200.00	15,578	673.94	455.38	25	0.69	1%	0
025.41	Iron, ICP, Dry ash (ppm)	2004	16,050	500.00	15,578	673.94	455.38	25	0.70	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0019	16,355	1,530.0	15,578	673.94	455.38	25	1.15	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0011	16,483	189.50	15,578	673.94	455.38	25	1.34	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0598	17,115	10.000	15,578	673.94	455.38	25	2.28	5%	0
025.41	Iron, ICP, Dry ash (ppm)	0003	19,243	1,840.0	15,578	673.94	455.38	25	5.44	12%	0
025.42	Iron, ICP, Open vessel (ppm)	0187	12,374	17.970	15,829	1,004.5	364.05	14	-3.44	11%	0
025.42	Iron, ICP, Open vessel (ppm)	0278	14,585	465.00	15,829	1,004.5	364.05	14	-1.24	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0186	14,637	31.000	15,829	1,004.5	364.05	14	-1.19	4%	0
025.42	Iron, ICP, Open vessel (ppm)	0074	15,074	256.00	15,829	1,004.5	364.05	14	-0.75	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
025.42	Iron, ICP, Open vessel (ppm)	0035	15,363	315.00	15,829	1,004.5	364.05	14	-0.46	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0693	15,783	24.000	15,829	1,004.5	364.05	14	-0.05	0%	0
025.42	Iron, ICP, Open vessel (ppm)	2012	15,913	145.00	15,829	1,004.5	364.05	14	0.08	0%	0
025.42	Iron, ICP, Open vessel (ppm)	0560	16,068	374.00	15,829	1,004.5	364.05	14	0.24	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0202	16,141	968.70	15,829	1,004.5	364.05	14	0.31	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0106	16,300	200.00	15,829	1,004.5	364.05	14	0.47	1%	0
025.42	Iron, ICP, Open vessel (ppm)	0413	16,400	800.00	15,829	1,004.5	364.05	14	0.57	2%	0
025.42	Iron, ICP, Open vessel (ppm)	0045	16,700	200.00	15,829	1,004.5	364.05	14	0.87	3%	0
025.42	Iron, ICP, Open vessel (ppm)	0366	16,800	1,200.0	15,829	1,004.5	364.05	14	0.97	3%	0
025.42	Iron, ICP, Open vessel (ppm)	0692	17,850	100.00	15,829	1,004.5	364.05	14	2.01	6%	0
025.42	Iron, ICP, Open vessel (ppm)	0265	14,942	2,795.0	15,829	1,004.5	364.05	14	-0.88	3%	1
025.43	Iron, ICP, Microwave (ppm)	0168	1.6560	0.06400	15,039	931.74	221.92	19	-16.14	50%	0
025.43	Iron, ICP, Microwave (ppm)	0297	4,996.5	157.00	15,039	931.74	221.92	19	-10.78	33%	0
025.43	Iron, ICP, Microwave (ppm)	2023	14,050	100.00	15,039	931.74	221.92	19	-1.06	3%	0
025.43	Iron, ICP, Microwave (ppm)	0353	14,345	10.000	15,039	931.74	221.92	19	-0.75	2%	0
025.43	Iron, ICP, Microwave (ppm)	0510	14,400	400.00	15,039	931.74	221.92	19	-0.69	2%	0
025.43	Iron, ICP, Microwave (ppm)	0294	14,557	5.3600	15,039	931.74	221.92	19	-0.52	2%	0
025.43	Iron, ICP, Microwave (ppm)	0169	14,700	1,000.0	15,039	931.74	221.92	19	-0.36	1%	0
025.43	Iron, ICP, Microwave (ppm)	0018	14,850	20.000	15,039	931.74	221.92	19	-0.20	1%	0
025.43	Iron, ICP, Microwave (ppm)	0098	14,925	430.00	15,039	931.74	221.92	19	-0.12	0%	0
025.43	Iron, ICP, Microwave (ppm)	0148	14,957	20.000	15,039	931.74	221.92	19	-0.09	0%	0
025.43	Iron, ICP, Microwave (ppm)	0675	15,108	35.070	15,039	931.74	221.92	19	0.07	0%	0
025.43	Iron, ICP, Microwave (ppm)	0629	15,150	0.00000	15,039	931.74	221.92	19	0.12	0%	0
025.43	Iron, ICP, Microwave (ppm)	0036	15,499	247.90	15,039	931.74	221.92	19	0.49	2%	0
025.43	Iron, ICP, Microwave (ppm)	0027	15,545	110.00	15,039	931.74	221.92	19	0.54	2%	0
025.43	Iron, ICP, Microwave (ppm)	0017	15,835	550.00	15,039	931.74	221.92	19	0.85	3%	0
025.43	Iron, ICP, Microwave (ppm)	0350	15,850	100.00	15,039	931.74	221.92	19	0.87	3%	0
025.43	Iron, ICP, Microwave (ppm)	0619	16,150	100.00	15,039	931.74	221.92	19	1.19	4%	0
025.43	Iron, ICP, Microwave (ppm)	0028	17,222	241.00	15,039	931.74	221.92	19	2.34	7%	0
025.43	Iron, ICP, Microwave (ppm)	0042	17,285	690.00	15,039	931.74	221.92	19	2.41	7%	0
025.43	Iron, ICP, Microwave (ppm)	0008	16,450	1,900.0	15,039	931.74	221.92	19	1.51	5%	1
025.52	Iron, ICP-MS, Open vessel (ppm)	0026	1.3499	0.27970	1.4999	0.21224	0.18985	2	-0.71	5%	0
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	1.6500	0.10000	1.4999	0.21224	0.18985	2	0.71	5%	0
025.53	Iron, ICP-MS, Microwave (ppm)	0199	15,200	200.00	15,702	779.37	277.67	3	-0.64	2%	0
025.53	Iron, ICP-MS, Microwave (ppm)	0941	15,307	233.00	15,702	779.37	277.67	3	-0.51	1%	0
025.53	Iron, ICP-MS, Microwave (ppm)	2034	16,600	400.00	15,702	779.37	277.67	3	1.15	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.02965	0.00550	2.6580	0.05104	0.02700	11	-51.50	49%	0
027.31	Magnesium, AAS, Dry ash (%)	0921	2.3750	0.00000	2.6580	0.05104	0.02700	11	-5.54	5%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	2.5981	0.00750	2.6580	0.05104	0.02700	11	-1.17	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	2.6450	0.01000	2.6580	0.05104	0.02700	11	-0.25	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	2.6600	0.08000	2.6580	0.05104	0.02700	11	0.04	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0596	2.6650	0.05000	2.6580	0.05104	0.02700	11	0.14	0%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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027.31	Magnesium, AAS, Dry ash (%)	0689	2.6700	0.02000	2.6580	0.05104	0.02700	11	0.24	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	2.6710	0.01800	2.6580	0.05104	0.02700	11	0.26	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0505	2.6950	0.01000	2.6580	0.05104	0.02700	11	0.73	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	2.7050	0.05000	2.6580	0.05104	0.02700	11	0.92	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	2.8960	0.04600	2.6580	0.05104	0.02700	11	4.66	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0590	3.0950	0.29000	2.6580	0.05104	0.02700	11	8.56	8%	1
027.32	Magnesium, AAS, Open vessel (%)	0263	2.6241	0.02100	2.8498	0.21561	0.15420	5	-1.05	4%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	2.7500	0.10000	2.8498	0.21561	0.15420	5	-0.46	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0504	2.8050	0.05000	2.8498	0.21561	0.15420	5	-0.21	1%	0
027.32	Magnesium, AAS, Open vessel (%)	0035	2.8700	0.60000	2.8498	0.21561	0.15420	5	0.09	0%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	3.2000	0.00000	2.8498	0.21561	0.15420	5	1.62	6%	0
027.33	Magnesium, AAS, Microwave (%)	0904	1.3180	0.12800	2.2115	1.2636	0.06900	2	-0.71	20%	0
027.33	Magnesium, AAS, Microwave (%)	0948	3.1050	0.01000	2.2115	1.2636	0.06900	2	0.71	20%	0
027.34	Magnesium, AAS, Dry ash (%)	0066	2.7000	0.08000			0.08000	1			
027.41	Magnesium, ICP, Dry ash (%)	0720	2.4250	0.01000	2.7573	0.14846	0.08925	21	-2.24	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	2.5602	0.10540	2.7573	0.14846	0.08925	21	-1.33	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	2.5761	0.01800	2.7573	0.14846	0.08925	21	-1.22	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0964	2.5885	0.12690	2.7573	0.14846	0.08925	21	-1.14	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	2.6500	0.32000	2.7573	0.14846	0.08925	21	-0.72	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	2.6700	0.02000	2.7573	0.14846	0.08925	21	-0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	2.6900	0.06000	2.7573	0.14846	0.08925	21	-0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	2.7250	0.03000	2.7573	0.14846	0.08925	21	-0.22	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	2.7275	0.02100	2.7573	0.14846	0.08925	21	-0.20	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	2.7400	0.02000	2.7573	0.14846	0.08925	21	-0.12	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	2.7500	0.02000	2.7573	0.14846	0.08925	21	-0.05	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	2.7950	0.11000	2.7573	0.14846	0.08925	21	0.25	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0553	2.7950	0.13000	2.7573	0.14846	0.08925	21	0.25	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	2.8080	0.08000	2.7573	0.14846	0.08925	21	0.34	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	2.8300	0.00000	2.7573	0.14846	0.08925	21	0.49	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0300	2.8500	0.03400	2.7573	0.14846	0.08925	21	0.62	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	2.8600	0.00000	2.7573	0.14846	0.08925	21	0.69	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	2.8805	0.05500	2.7573	0.14846	0.08925	21	0.83	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	2.9290	0.27400	2.7573	0.14846	0.08925	21	1.16	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0083	3.0000	0.06000	2.7573	0.14846	0.08925	21	1.63	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	3.1500	0.38000	2.7573	0.14846	0.08925	21	2.64	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	2.4150	0.01000	2.7559	0.19609	0.08892	15	-1.74	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	2.4900	0.18000	2.7559	0.19609	0.08892	15	-1.36	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	2.5700	0.06000	2.7559	0.19609	0.08892	15	-0.95	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	2.6235	0.23900	2.7559	0.19609	0.08892	15	-0.68	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0106	2.6850	0.01000	2.7559	0.19609	0.08892	15	-0.36	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	2.7150	0.01000	2.7559	0.19609	0.08892	15	-0.21	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	2.7396	0.02480	2.7559	0.19609	0.08892	15	-0.08	0%	0

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027.42	Magnesium, ICP, Open vessel (%)	2012	2.7550	0.05000	2.7559	0.19609	0.08892	15	0.00	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0074	2.7800	0.06000	2.7559	0.19609	0.08892	15	0.12	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	2.7950	0.11000	2.7559	0.19609	0.08892	15	0.20	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	2.8400	0.02000	2.7559	0.19609	0.08892	15	0.43	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	2.9200	0.00000	2.7559	0.19609	0.08892	15	0.84	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	2.9450	0.37000	2.7559	0.19609	0.08892	15	0.96	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	2.9700	0.00000	2.7559	0.19609	0.08892	15	1.09	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	3.4150	0.19000	2.7559	0.19609	0.08892	15	3.36	12%	0
027.43	Magnesium, ICP, Microwave (%)	0294	2.3600	0.02000	2.6372	0.19065	0.08500	12	-1.45	5%	0
027.43	Magnesium, ICP, Microwave (%)	0510	2.4150	0.05000	2.6372	0.19065	0.08500	12	-1.17	4%	0
027.43	Magnesium, ICP, Microwave (%)	2023	2.4600	0.20000	2.6372	0.19065	0.08500	12	-0.93	3%	0
027.43	Magnesium, ICP, Microwave (%)	0629	2.5450	0.03000	2.6372	0.19065	0.08500	12	-0.48	2%	0
027.43	Magnesium, ICP, Microwave (%)	0297	2.5850	0.01000	2.6372	0.19065	0.08500	12	-0.27	1%	0
027.43	Magnesium, ICP, Microwave (%)	0148	2.6160	0.02000	2.6372	0.19065	0.08500	12	-0.11	0%	0
027.43	Magnesium, ICP, Microwave (%)	0042	2.6850	0.01000	2.6372	0.19065	0.08500	12	0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	0353	2.7100	0.06000	2.6372	0.19065	0.08500	12	0.38	1%	0
027.43	Magnesium, ICP, Microwave (%)	0675	2.7650	0.01000	2.6372	0.19065	0.08500	12	0.67	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	2.8250	0.33000	2.6372	0.19065	0.08500	12	0.99	4%	0
027.43	Magnesium, ICP, Microwave (%)	0619	2.8300	0.00000	2.6372	0.19065	0.08500	12	1.01	4%	0
027.43	Magnesium, ICP, Microwave (%)	0008	2.8500	0.28000	2.6372	0.19065	0.08500	12	1.12	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	2.7500	0.00000			0.00000	1			
027.53	Magnesium, ICP-MS, Microwave (%)	0572	2.6250	0.11000	2.6617	0.04726	0.08333	3	-0.78	1%	0
027.53	Magnesium, ICP-MS, Microwave (%)	0199	2.6450	0.05000	2.6617	0.04726	0.08333	3	-0.35	0%	0
027.53	Magnesium, ICP-MS, Microwave (%)	2034	2.7150	0.09000	2.6617	0.04726	0.08333	3	1.13	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0354	81.700	0.16000	4,330.6	315.63	76.756	18	-13.46	49%	0
028.31	Manganese, AAS, Dry ash (ppm)	0921	1,544.0	0.00000	4,330.6	315.63	76.756	18	-8.83	32%	0
028.31	Manganese, AAS, Dry ash (ppm)	0178	3,854.0	198.00	4,330.6	315.63	76.756	18	-1.51	6%	0
028.31	Manganese, AAS, Dry ash (ppm)	0066	4,011.5	127.00	4,330.6	315.63	76.756	18	-1.01	4%	0
028.31	Manganese, AAS, Dry ash (ppm)	0505	4,125.0	250.00	4,330.6	315.63	76.756	18	-0.65	2%	0
028.31	Manganese, AAS, Dry ash (ppm)	0001	4,173.5	21.000	4,330.6	315.63	76.756	18	-0.50	2%	0
028.31	Manganese, AAS, Dry ash (ppm)	0939	4,234.0	22.000	4,330.6	315.63	76.756	18	-0.31	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0590	4,286.5	64.000	4,330.6	315.63	76.756	18	-0.14	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0175	4,350.0	100.00	4,330.6	315.63	76.756	18	0.06	0%	0
028.31	Manganese, AAS, Dry ash (ppm)	0689	4,400.0	0.00000	4,330.6	315.63	76.756	18	0.22	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0951	4,446.2	1.4000	4,330.6	315.63	76.756	18	0.37	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0563	4,451.6	81.006	4,330.6	315.63	76.756	18	0.38	1%	0
028.31	Manganese, AAS, Dry ash (ppm)	0723	4,462.0	0.00000	4,330.6	315.63	76.756	18	0.42	2%	0
028.31	Manganese, AAS, Dry ash (ppm)	0868	4,575.5	19.000	4,330.6	315.63	76.756	18	0.78	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0208	4,590.0	200.00	4,330.6	315.63	76.756	18	0.82	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0596	4,626.8	188.53	4,330.6	315.63	76.756	18	0.94	3%	0
028.31	Manganese, AAS, Dry ash (ppm)	0014	4,678.5	77.000	4,330.6	315.63	76.756	18	1.10	4%	0
028.31	Manganese, AAS, Dry ash (ppm)	0536	5,035.1	32.516	4,330.6	315.63	76.756	18	2.23	8%	0

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			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.32	Manganese, AAS, Open vessel (ppm)	0609	3,700.0	200.00	4,374.3	376.28	91.044	9	-1.79	8%	0
028.32	Manganese, AAS, Open vessel (ppm)	0038	4,014.5	249.00	4,374.3	376.28	91.044	9	-0.96	4%	0
028.32	Manganese, AAS, Open vessel (ppm)	0036	4,265.0	70.000	4,374.3	376.28	91.044	9	-0.29	1%	0
028.32	Manganese, AAS, Open vessel (ppm)	0035	4,312.0	18.000	4,374.3	376.28	91.044	9	-0.17	1%	0
028.32	Manganese, AAS, Open vessel (ppm)	0263	4,342.4	27.400	4,374.3	376.28	91.044	9	-0.08	0%	0
028.32	Manganese, AAS, Open vessel (ppm)	0010	4,460.0	20.000	4,374.3	376.28	91.044	9	0.23	1%	0
028.32	Manganese, AAS, Open vessel (ppm)	0612	4,587.5	15.000	4,374.3	376.28	91.044	9	0.57	2%	0
028.32	Manganese, AAS, Open vessel (ppm)	0013	4,690.0	220.00	4,374.3	376.28	91.044	9	0.84	4%	0
028.32	Manganese, AAS, Open vessel (ppm)	2042	5,231.0	0.00000	4,374.3	376.28	91.044	9	2.28	10%	0
028.33	Manganese, AAS, Microwave (ppm)	0716	4.0570	0.09000	3,087.8	2,924.3	201.90	3	-1.05	50%	0
028.33	Manganese, AAS, Microwave (ppm)	0948	3,438.2	275.61	3,087.8	2,924.3	201.90	3	0.12	6%	0
028.33	Manganese, AAS, Microwave (ppm)	0904	5,821.0	330.00	3,087.8	2,924.3	201.90	3	0.93	44%	0
028.41	Manganese, ICP, Dry ash (ppm)	0955	0.40500	0.01600	4,430.5	197.45	76.426	24	-22.44	50%	0
028.41	Manganese, ICP, Dry ash (ppm)	0720	1,720.7	3.4100	4,430.5	197.45	76.426	24	-13.72	31%	0
028.41	Manganese, ICP, Dry ash (ppm)	0695	2,326.4	16.830	4,430.5	197.45	76.426	24	-10.66	24%	0
028.41	Manganese, ICP, Dry ash (ppm)	0049	4,137.9	117.24	4,430.5	197.45	76.426	24	-1.48	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0511	4,176.5	135.00	4,430.5	197.45	76.426	24	-1.29	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0051	4,283.8	84.990	4,430.5	197.45	76.426	24	-0.74	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	4,370.0	40.000	4,430.5	197.45	76.426	24	-0.31	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	4,390.5	9.0000	4,430.5	197.45	76.426	24	-0.20	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0512	4,397.0	18.000	4,430.5	197.45	76.426	24	-0.17	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	4,400.0	180.00	4,430.5	197.45	76.426	24	-0.15	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	4,412.0	110.00	4,430.5	197.45	76.426	24	-0.09	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0208	4,433.0	112.00	4,430.5	197.45	76.426	24	0.01	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0300	4,445.8	52.065	4,430.5	197.45	76.426	24	0.08	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0004	4,479.5	33.000	4,430.5	197.45	76.426	24	0.25	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	4,491.5	11.000	4,430.5	197.45	76.426	24	0.31	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0011	4,522.0	78.000	4,430.5	197.45	76.426	24	0.46	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0610	4,537.5	63.000	4,430.5	197.45	76.426	24	0.54	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0083	4,560.5	19.000	4,430.5	197.45	76.426	24	0.66	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0003	4,570.5	209.00	4,430.5	197.45	76.426	24	0.71	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0848	4,580.8	11.670	4,430.5	197.45	76.426	24	0.76	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0019	4,609.0	290.00	4,430.5	197.45	76.426	24	0.90	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0229	4,617.5	45.000	4,430.5	197.45	76.426	24	0.95	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0553	4,700.0	120.00	4,430.5	197.45	76.426	24	1.36	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0598	4,901.0	76.000	4,430.5	197.45	76.426	24	2.38	5%	0
028.41	Manganese, ICP, Dry ash (ppm)	0964	4,203.0	490.00	4,430.5	197.45	76.426	24	-1.15	3%	1
028.42	Manganese, ICP, Open vessel (ppm)	0026	0.29315	0.11070	4,462.8	352.95	90.359	16	-12.64	50%	0
028.42	Manganese, ICP, Open vessel (ppm)	0186	0.40850	0.01100	4,462.8	352.95	90.359	16	-12.64	50%	0
028.42	Manganese, ICP, Open vessel (ppm)	0035	4,177.0	148.00	4,462.8	352.95	90.359	16	-0.81	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0187	4,178.4	36.630	4,462.8	352.95	90.359	16	-0.81	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0357	4,335.5	161.00	4,462.8	352.95	90.359	16	-0.36	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
028.42	Manganese, ICP, Open vessel (ppm)	0074	4,379.0	2.0000	4,462.8	352.95	90.359	16	-0.24	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0366	4,390.0	260.00	4,462.8	352.95	90.359	16	-0.21	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0278	4,437.0	16.000	4,462.8	352.95	90.359	16	-0.07	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0202	4,469.5	15.000	4,462.8	352.95	90.359	16	0.02	0%	0
028.42	Manganese, ICP, Open vessel (ppm)	0693	4,518.5	47.000	4,462.8	352.95	90.359	16	0.16	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0560	4,590.5	203.00	4,462.8	352.95	90.359	16	0.36	1%	0
028.42	Manganese, ICP, Open vessel (ppm)	0045	4,675.0	50.000	4,462.8	352.95	90.359	16	0.60	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	2012	4,713.5	107.00	4,462.8	352.95	90.359	16	0.71	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0413	4,780.0	200.00	4,462.8	352.95	90.359	16	0.90	4%	0
028.42	Manganese, ICP, Open vessel (ppm)	0106	4,905.0	10.000	4,462.8	352.95	90.359	16	1.25	5%	0
028.42	Manganese, ICP, Open vessel (ppm)	0692	5,345.0	190.00	4,462.8	352.95	90.359	16	2.50	10%	0
028.42	Manganese, ICP, Open vessel (ppm)	0265	4,530.0	576.00	4,462.8	352.95	90.359	16	0.19	1%	1
028.43	Manganese, ICP, Microwave (ppm)	0168	0.47050	0.02500	4,331.2	248.06	60.854	18	-17.46	50%	0
028.43	Manganese, ICP, Microwave (ppm)	0169	3.0400	0.26000	4,331.2	248.06	60.854	18	-17.45	50%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	3,990.0	40.000	4,331.2	248.06	60.854	18	-1.38	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0353	4,179.5	21.000	4,331.2	248.06	60.854	18	-0.61	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0148	4,197.5	69.000	4,331.2	248.06	60.854	18	-0.54	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0294	4,198.0	1.4600	4,331.2	248.06	60.854	18	-0.54	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0629	4,235.0	0.00000	4,331.2	248.06	60.854	18	-0.39	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	4,252.5	161.00	4,331.2	248.06	60.854	18	-0.32	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0350	4,340.0	20.000	4,331.2	248.06	60.854	18	0.04	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0297	4,345.0	98.000	4,331.2	248.06	60.854	18	0.06	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	4,374.0	318.00	4,331.2	248.06	60.854	18	0.17	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0036	4,409.5	61.000	4,331.2	248.06	60.854	18	0.32	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0018	4,430.0	20.000	4,331.2	248.06	60.854	18	0.40	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	4,506.0	32.000	4,331.2	248.06	60.854	18	0.70	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0675	4,513.3	36.630	4,331.2	248.06	60.854	18	0.73	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0017	4,610.5	145.00	4,331.2	248.06	60.854	18	1.13	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0619	4,717.0	36.000	4,331.2	248.06	60.854	18	1.56	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0028	5,329.0	36.000	4,331.2	248.06	60.854	18	4.02	12%	0
028.43	Manganese, ICP, Microwave (ppm)	0008	4,735.0	630.00	4,331.2	248.06	60.854	18	1.63	5%	1
028.44	Manganese, ICP, Dry ash (ppm)	2023	723.50	81.000	2,721.8	2,826.0	120.50	2	-0.71	37%	0
028.44	Manganese, ICP, Dry ash (ppm)	2004	4,720.0	160.00	2,721.8	2,826.0	120.50	2	0.71	37%	0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	0.45500	0.01000			0.01000	1			
028.53	Manganese, ICP-MS, Microwave (ppm)	0941	4,384.0	154.00	6,456.0	4,029.8	429.50	4	-0.51	16%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	0572	4,410.0	64.000	6,456.0	4,029.8	429.50	4	-0.51	16%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	2034	4,530.0	100.00	6,456.0	4,029.8	429.50	4	-0.48	15%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	0199	12,500	1,400.0	6,456.0	4,029.8	429.50	4	1.50	47%	0
031.01	Phosphorus, Photometric (%)	0354	0.03000	0.00000	0.06060	0.02831	0.00321	12	-1.08	25%	0
031.01	Phosphorus, Photometric (%)	0670	0.03000	0.00000	0.06060	0.02831	0.00321	12	-1.08	25%	0
031.01	Phosphorus, Photometric (%)	0674	0.04000	0.00000	0.06060	0.02831	0.00321	12	-0.73	17%	0
031.01	Phosphorus, Photometric (%)	0874	0.04270	0.00100	0.06060	0.02831	0.00321	12	-0.63	15%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.01	Phosphorus, Photometric (%)	0722	0.04645	0.00750	0.06060	0.02831	0.00321	12	-0.50	12%	0
031.01	Phosphorus, Photometric (%)	0305	0.05500	0.01000	0.06060	0.02831	0.00321	12	-0.20	5%	0
031.01	Phosphorus, Photometric (%)	0178	0.05950	0.00500	0.06060	0.02831	0.00321	12	-0.04	1%	0
031.01	Phosphorus, Photometric (%)	0716	0.06000	0.00000	0.06060	0.02831	0.00321	12	-0.02	0%	0
031.01	Phosphorus, Photometric (%)	0887	0.07500	0.01000	0.06060	0.02831	0.00321	12	0.51	12%	0
031.01	Phosphorus, Photometric (%)	2006	0.13450	0.00500	0.06060	0.02831	0.00321	12	2.61	61%	0
031.01	Phosphorus, Photometric (%)	0650	0.38000	0.00000	0.06060	0.02831	0.00321	12	11.28	264%	0
031.01	Phosphorus, Photometric (%)	0609	0.42000	0.00000	0.06060	0.02831	0.00321	12	12.70	297%	0
031.01	Phosphorus, Photometric (%)	0337	0.08000	0.02000	0.06060	0.02831	0.00321	12	0.69	16%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	0.00000	0.00000			0.00000	1			
031.03	Phosphorus, Autoanalyzer (%)	0169	0.00000	0.00000	0.02775	0.03924	0.00450	2	-0.71	50%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	0.05550	0.00900	0.02775	0.03924	0.00450	2	0.71	50%	0
031.06	Phosphorus, Hach Method (%)	0138	0.03550	0.00300			0.00300	1			
031.41	Phosphorus, ICP, Dry ash (%)	0695	0.00450	0.00100	0.06749	0.05258	0.03742	11	-1.20	47%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	0.03000	0.00000	0.06749	0.05258	0.03742	11	-0.71	28%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	0.03000	0.00000	0.06749	0.05258	0.03742	11	-0.71	28%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.03000	0.00000	0.06749	0.05258	0.03742	11	-0.71	28%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	0.03280	0.00640	0.06749	0.05258	0.03742	11	-0.66	26%	0
031.41	Phosphorus, ICP, Dry ash (%)	0661	0.07000	0.00000	0.06749	0.05258	0.03742	11	0.05	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	0.07500	0.01000	0.06749	0.05258	0.03742	11	0.14	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.08370	0.00420	0.06749	0.05258	0.03742	11	0.31	12%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.11500	0.01000	0.06749	0.05258	0.03742	11	0.90	35%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.12500	0.01000	0.06749	0.05258	0.03742	11	1.09	43%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	0.26500	0.37000	0.06749	0.05258	0.03742	11	3.76	146%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.92500	1.5300	0.06749	0.05258	0.03742	11	16.31	635%	1
031.42	Phosphorus, ICP, Open vessel (%)	0366	0.01000	0.00000	0.04695	0.03006	0.00445	12	-1.23	39%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	0.02115	0.00070	0.04695	0.03006	0.00445	12	-0.86	27%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.02500	0.01000	0.04695	0.03006	0.00445	12	-0.73	23%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	0.02600	0.00000	0.04695	0.03006	0.00445	12	-0.70	22%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	0.03550	0.01840	0.04695	0.03006	0.00445	12	-0.38	12%	0
031.42	Phosphorus, ICP, Open vessel (%)	0964	0.04360	0.00860	0.04695	0.03006	0.00445	12	-0.11	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	0.04505	0.00970	0.04695	0.03006	0.00445	12	-0.06	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	0.04850	0.00300	0.04695	0.03006	0.00445	12	0.05	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	0.05000	0.00000	0.04695	0.03006	0.00445	12	0.10	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	0.09000	0.00000	0.04695	0.03006	0.00445	12	1.43	46%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	0.10000	0.00000	0.04695	0.03006	0.00445	12	1.76	56%	0
031.42	Phosphorus, ICP, Open vessel (%)	0106	0.42950	0.00300	0.04695	0.03006	0.00445	12	12.72	407%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	0.25000	0.12000	0.04695	0.03006	0.00445	12	6.75	216%	1
031.43	Phosphorus, ICP, Microwave (%)	0043	0.00000	0.00000	0.03730	0.04064	0.00106	11	-0.92	50%	0
031.43	Phosphorus, ICP, Microwave (%)	0619	0.00000	0.00000	0.03730	0.04064	0.00106	11	-0.92	50%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	0.00000	0.00000	0.03730	0.04064	0.00106	11	-0.92	50%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	0.01000	0.00000	0.03730	0.04064	0.00106	11	-0.67	37%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.43	Phosphorus, ICP, Microwave (%)	0148	0.02635	0.00070	0.03730	0.04064	0.00106	11	-0.27	15%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.03000	0.00000	0.03730	0.04064	0.00106	11	-0.18	10%	0
031.43	Phosphorus, ICP, Microwave (%)	0008	0.04050	0.00100	0.03730	0.04064	0.00106	11	0.08	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	0.05000	0.00000	0.03730	0.04064	0.00106	11	0.31	17%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	0.06000	0.00000	0.03730	0.04064	0.00106	11	0.56	30%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.14500	0.01000	0.03730	0.04064	0.00106	11	2.65	144%	0
031.43	Phosphorus, ICP, Microwave (%)	0294	0.76000	0.00000	0.03730	0.04064	0.00106	11	17.78	969%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.72550	0.19100	0.03730	0.04064	0.00106	11	16.93	922%	1
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.42950	0.01700			0.01700	1			
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	0.01940	0.00080			0.00080	1			
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	0.01770	0.00120	0.01885	0.00163	0.00060	2	-0.71	3%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0199	0.02000	0.00000	0.01885	0.00163	0.00060	2	0.71	3%	0
031.99	Phosphorus, Miscellaneous (%)	0852	0.03500	0.01000	0.04475	0.01379	0.00750	2	-0.71	11%	0
031.99	Phosphorus, Miscellaneous (%)	0552	0.05450	0.00500	0.04475	0.01379	0.00750	2	0.71	11%	0
032.02	Potassium, Flame Emission (%)	0504	0.09500	0.01000	0.09875	0.00530	0.00550	2	-0.71	2%	0
032.02	Potassium, Flame Emission (%)	0716	0.10250	0.00100	0.09875	0.00530	0.00550	2	0.71	2%	0
032.31	Potassium, AAS, Dry ash (%)	0354	0.07500	0.01000	0.09669	0.01514	0.00662	9	-1.43	11%	0
032.31	Potassium, AAS, Dry ash (%)	0596	0.08500	0.01000	0.09669	0.01514	0.00662	9	-0.77	6%	0
032.31	Potassium, AAS, Dry ash (%)	0948	0.08500	0.01000	0.09669	0.01514	0.00662	9	-0.77	6%	0
032.31	Potassium, AAS, Dry ash (%)	0670	0.09600	0.00400	0.09669	0.01514	0.00662	9	-0.05	0%	0
032.31	Potassium, AAS, Dry ash (%)	0874	0.09620	0.00560	0.09669	0.01514	0.00662	9	-0.03	0%	0
032.31	Potassium, AAS, Dry ash (%)	0939	0.10000	0.00000	0.09669	0.01514	0.00662	9	0.22	2%	0
032.31	Potassium, AAS, Dry ash (%)	0175	0.10500	0.01000	0.09669	0.01514	0.00662	9	0.55	4%	0
032.31	Potassium, AAS, Dry ash (%)	0868	0.11300	0.00000	0.09669	0.01514	0.00662	9	1.08	8%	0
032.31	Potassium, AAS, Dry ash (%)	0650	0.11500	0.01000	0.09669	0.01514	0.00662	9	1.21	9%	0
032.31	Potassium, AAS, Dry ash (%)	0178	0.21000	0.10000	0.09669	0.01514	0.00662	9	7.48	59%	1
032.32	Potassium, AAS, Open vessel (%)	0609	0.07500	0.01000	0.09300	0.01752	0.00507	3	-1.03	10%	0
032.32	Potassium, AAS, Open vessel (%)	0035	0.09400	0.00520	0.09300	0.01752	0.00507	3	0.06	1%	0
032.32	Potassium, AAS, Open vessel (%)	0169	0.11000	0.00000	0.09300	0.01752	0.00507	3	0.97	9%	0
032.33	Potassium, AAS, Microwave (%)	0904	0.09000	0.00000	0.09000	0.00000	0.00000	2	0.00	0%	0
032.33	Potassium, AAS, Microwave (%)	0948	0.09000	0.00000	0.09000	0.00000	0.00000	2	0.00	0%	0
032.41	Potassium, ICP, Dry ash (%)	0083	0.06000	0.10000	0.10525	0.03825	0.02032	12	-1.18	21%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.06050	0.00440	0.10525	0.03825	0.02032	12	-1.17	21%	0
032.41	Potassium, ICP, Dry ash (%)	0695	0.07000	0.00000	0.10525	0.03825	0.02032	12	-0.92	17%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.08550	0.00300	0.10525	0.03825	0.02032	12	-0.52	9%	0
032.41	Potassium, ICP, Dry ash (%)	0300	0.08700	0.00200	0.10525	0.03825	0.02032	12	-0.48	9%	0
032.41	Potassium, ICP, Dry ash (%)	0049	0.09500	0.01000	0.10525	0.03825	0.02032	12	-0.27	5%	0
032.41	Potassium, ICP, Dry ash (%)	0598	0.11550	0.00840	0.10525	0.03825	0.02032	12	0.27	5%	0
032.41	Potassium, ICP, Dry ash (%)	0413	0.12500	0.03000	0.10525	0.03825	0.02032	12	0.52	9%	0
032.41	Potassium, ICP, Dry ash (%)	0720	0.12500	0.01000	0.10525	0.03825	0.02032	12	0.52	9%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.13000	0.00000	0.10525	0.03825	0.02032	12	0.65	12%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.24000	0.00600	0.10525	0.03825	0.02032	12	3.52	64%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
032.41	Potassium, ICP, Dry ash (%)	0226	0.41500	0.07000	0.10525	0.03825	0.02032	12	8.10	147%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.28500	0.23000	0.10525	0.03825	0.02032	12	4.70	85%	1
032.42	Potassium, ICP, Open vessel (%)	0964	0.09450	0.00920	0.10898	0.01427	0.01041	13	-1.01	7%	0
032.42	Potassium, ICP, Open vessel (%)	0692	0.09500	0.00000	0.10898	0.01427	0.01041	13	-0.98	6%	0
032.42	Potassium, ICP, Open vessel (%)	0035	0.09650	0.00720	0.10898	0.01427	0.01041	13	-0.87	6%	0
032.42	Potassium, ICP, Open vessel (%)	0186	0.09900	0.01000	0.10898	0.01427	0.01041	13	-0.70	5%	0
032.42	Potassium, ICP, Open vessel (%)	0693	0.10000	0.00400	0.10898	0.01427	0.01041	13	-0.63	4%	0
032.42	Potassium, ICP, Open vessel (%)	0045	0.10250	0.01100	0.10898	0.01427	0.01041	13	-0.45	3%	0
032.42	Potassium, ICP, Open vessel (%)	0187	0.10495	0.00190	0.10898	0.01427	0.01041	13	-0.28	2%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.11000	0.00000	0.10898	0.01427	0.01041	13	0.07	0%	0
032.42	Potassium, ICP, Open vessel (%)	0357	0.11500	0.01000	0.10898	0.01427	0.01041	13	0.42	3%	0
032.42	Potassium, ICP, Open vessel (%)	0106	0.11800	0.00200	0.10898	0.01427	0.01041	13	0.63	4%	0
032.42	Potassium, ICP, Open vessel (%)	0265	0.14000	0.04000	0.10898	0.01427	0.01041	13	2.17	14%	0
032.42	Potassium, ICP, Open vessel (%)	0366	0.15500	0.01000	0.10898	0.01427	0.01041	13	3.22	21%	0
032.42	Potassium, ICP, Open vessel (%)	0278	0.22500	0.03000	0.10898	0.01427	0.01041	13	8.13	53%	0
032.43	Potassium, ICP, Microwave (%)	2023	0.07500	0.01000	0.10983	0.02325	0.00392	12	-1.50	16%	0
032.43	Potassium, ICP, Microwave (%)	0297	0.09000	0.00000	0.10983	0.02325	0.00392	12	-0.85	9%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.09000	0.00000	0.10983	0.02325	0.00392	12	-0.85	9%	0
032.43	Potassium, ICP, Microwave (%)	0294	0.10000	0.00000	0.10983	0.02325	0.00392	12	-0.42	4%	0
032.43	Potassium, ICP, Microwave (%)	0619	0.10300	0.00400	0.10983	0.02325	0.00392	12	-0.29	3%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.10550	0.00700	0.10983	0.02325	0.00392	12	-0.19	2%	0
032.43	Potassium, ICP, Microwave (%)	0008	0.10750	0.00100	0.10983	0.02325	0.00392	12	-0.10	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.11500	0.01000	0.10983	0.02325	0.00392	12	0.22	2%	0
032.43	Potassium, ICP, Microwave (%)	0675	0.11850	0.00100	0.10983	0.02325	0.00392	12	0.37	4%	0
032.43	Potassium, ICP, Microwave (%)	0148	0.13710	0.00400	0.10983	0.02325	0.00392	12	1.17	12%	0
032.43	Potassium, ICP, Microwave (%)	0629	0.14750	0.00000	0.10983	0.02325	0.00392	12	1.62	17%	0
032.43	Potassium, ICP, Microwave (%)	0353	0.25500	0.01000	0.10983	0.02325	0.00392	12	6.24	66%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.10300	0.00000			0.00000	1			
032.52	Potassium, ICP-MS, Open vessel (%)	0154	0.08660	0.00180			0.00180	1			
032.53	Potassium, ICP-MS, Microwave (%)	0572	0.11600	0.00000			0.00000	1			
032.99	Potassium, Miscellaneous (%)	2006	0.08650	0.00100			0.00100	1			
033.00	Salt, Sol Cl (%)	0366	0.72000	0.10000	1.3281	0.08043	0.04500	6	-7.56	23%	0
033.00	Salt, Sol Cl (%)	0539	1.0400	0.02000	1.3281	0.08043	0.04500	6	-3.58	11%	0
033.00	Salt, Sol Cl (%)	0353	1.3400	0.04000	1.3281	0.08043	0.04500	6	0.15	0%	0
033.00	Salt, Sol Cl (%)	0693	1.3550	0.01000	1.3281	0.08043	0.04500	6	0.33	1%	0
033.00	Salt, Sol Cl (%)	0675	1.3800	0.02000	1.3281	0.08043	0.04500	6	0.65	2%	0
033.00	Salt, Sol Cl (%)	0683	1.4100	0.08000	1.3281	0.08043	0.04500	6	1.02	3%	0
033.01	Salt, Poten Cl (%)	0650	0.09000	0.00000	1.4150	0.08051	0.01818	17	-16.46	47%	0
033.01	Salt, Poten Cl (%)	0674	1.2400	0.00000	1.4150	0.08051	0.01818	17	-2.17	6%	0
033.01	Salt, Poten Cl (%)	0407	1.3050	0.03000	1.4150	0.08051	0.01818	17	-1.37	4%	0
033.01	Salt, Poten Cl (%)	0874	1.3485	0.00100	1.4150	0.08051	0.01818	17	-0.83	2%	0
033.01	Salt, Poten Cl (%)	0106	1.3600	0.00000	1.4150	0.08051	0.01818	17	-0.68	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
033.01	Salt, Poten Cl (%)	0229	1.3850	0.01000	1.4150	0.08051	0.01818	17	-0.37	1%	0
033.01	Salt, Poten Cl (%)	2023	1.3900	0.00000	1.4150	0.08051	0.01818	17	-0.31	1%	0
033.01	Salt, Poten Cl (%)	0413	1.4200	0.02000	1.4150	0.08051	0.01818	17	0.06	0%	0
033.01	Salt, Poten Cl (%)	0175	1.4250	0.05000	1.4150	0.08051	0.01818	17	0.12	0%	0
033.01	Salt, Poten Cl (%)	0939	1.4250	0.03000	1.4150	0.08051	0.01818	17	0.12	0%	0
033.01	Salt, Poten Cl (%)	0683	1.4280	0.00400	1.4150	0.08051	0.01818	17	0.16	0%	0
033.01	Salt, Poten Cl (%)	0337	1.4350	0.05000	1.4150	0.08051	0.01818	17	0.25	1%	0
033.01	Salt, Poten Cl (%)	0510	1.4650	0.03000	1.4150	0.08051	0.01818	17	0.62	2%	0
033.01	Salt, Poten Cl (%)	0178	1.4750	0.00400	1.4150	0.08051	0.01818	17	0.75	2%	0
033.01	Salt, Poten Cl (%)	0278	1.4850	0.01000	1.4150	0.08051	0.01818	17	0.87	2%	0
033.01	Salt, Poten Cl (%)	0354	1.5450	0.01000	1.4150	0.08051	0.01818	17	1.62	5%	0
033.01	Salt, Poten Cl (%)	0596	1.7000	0.06000	1.4150	0.08051	0.01818	17	3.54	10%	0
033.01	Salt, Poten Cl (%)	0098	1.4300	0.18000	1.4150	0.08051	0.01818	17	0.19	1%	1
033.03	Salt, Quantab (%)	0265	1.4000	0.00000			0.00000	1			
033.05	Salt, Ion Sel Electrode (%)	2006	0.78250	0.00100	1.2342	0.39128	0.02033	3	-1.15	18%	0
033.05	Salt, Ion Sel Electrode (%)	2043	1.4500	0.06000	1.2342	0.39128	0.02033	3	0.55	9%	0
033.05	Salt, Ion Sel Electrode (%)	0670	1.4700	0.00000	1.2342	0.39128	0.02033	3	0.60	10%	0
033.99	Salt, Miscellaneous (%)	0964	0.14500	0.03000	0.84167	0.62170	0.05000	3	-1.12	41%	0
033.99	Salt, Miscellaneous (%)	0681	1.0400	0.12000	0.84167	0.62170	0.05000	3	0.32	12%	0
033.99	Salt, Miscellaneous (%)	0716	1.3400	0.00000	0.84167	0.62170	0.05000	3	0.80	30%	0
034.01	Selenium, Fluor (ppm)	0038	23.850	0.10000			0.10000	1			
034.04	Selenium, AA, Hydride (ppm)	0948	19.538	0.74500	23.946	3.9995	0.31300	5	-1.10	9%	0
034.04	Selenium, AA, Hydride (ppm)	0164	22.000	0.00000	23.946	3.9995	0.31300	5	-0.49	4%	0
034.04	Selenium, AA, Hydride (ppm)	0175	22.400	0.80000	23.946	3.9995	0.31300	5	-0.39	3%	0
034.04	Selenium, AA, Hydride (ppm)	0610	26.000	0.00000	23.946	3.9995	0.31300	5	0.51	4%	0
034.04	Selenium, AA, Hydride (ppm)	0035	29.790	0.02000	23.946	3.9995	0.31300	5	1.46	12%	0
034.34	Selenium, AAS, Graphite furnace (ppm)	0013	22.250	0.70000			0.70000	1			
034.41	Selenium, ICP, Dry ash (ppm)	0011	8.6920	1.6680	15.214	9.2228	0.85900	2	-0.71	21%	0
034.41	Selenium, ICP, Dry ash (ppm)	0848	21.735	0.05000	15.214	9.2228	0.85900	2	0.71	21%	0
034.42	Selenium, ICP, Open vessel (ppm)	0693	26.830	0.04000			0.04000	1			
034.43	Selenium, ICP, Microwave (ppm)	2023	0.00000	0.00000	16.243	9.8788	0.17400	5	-1.64	50%	0
034.43	Selenium, ICP, Microwave (ppm)	0619	13.650	0.10000	16.243	9.8788	0.17400	5	-0.26	8%	0
034.43	Selenium, ICP, Microwave (ppm)	2012	21.805	0.75000	16.243	9.8788	0.17400	5	0.56	17%	0
034.43	Selenium, ICP, Microwave (ppm)	0964	22.260	0.02000	16.243	9.8788	0.17400	5	0.61	19%	0
034.43	Selenium, ICP, Microwave (ppm)	0629	23.500	0.00000	16.243	9.8788	0.17400	5	0.73	22%	0
034.52	Selenium, ICP-MS, Open vessel (ppm)	0047	14.450	2.3000	19.225	6.7529	1.5100	2	-0.71	12%	0
034.52	Selenium, ICP-MS, Open vessel (ppm)	0098	24.000	0.72000	19.225	6.7529	1.5100	2	0.71	12%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0199	22.000	1.4000	24.426	1.8437	1.6840	5	-1.32	5%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0168	23.250	4.7200	24.426	1.8437	1.6840	5	-0.64	2%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0027	24.830	0.60000	24.426	1.8437	1.6840	5	0.22	1%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0941	25.300	0.80000	24.426	1.8437	1.6840	5	0.47	2%	0
034.53	Selenium, ICP-MS, Microwave (ppm)	0553	26.750	0.90000	24.426	1.8437	1.6840	5	1.26	5%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
035.01	Sodium, Ion Sel Electrode (%)	2006	0.03850	0.00100	0.04525	0.00955	0.00150	2	-0.71	7%	0
035.01	Sodium, Ion Sel Electrode (%)	0138	0.05200	0.00200	0.04525	0.00955	0.00150	2	0.71	7%	0
035.05	Sodium, Flame Emission (%)	0337	0.04455	0.00170	0.05918	0.01424	0.00190	3	-1.03	12%	0
035.05	Sodium, Flame Emission (%)	0504	0.06000	0.00000	0.05918	0.01424	0.00190	3	0.06	1%	0
035.05	Sodium, Flame Emission (%)	0716	0.07300	0.00400	0.05918	0.01424	0.00190	3	0.97	12%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.03000	0.00000	0.04326	0.01158	0.00192	12	-1.14	15%	0
035.31	Sodium, AAS, Dry ash (%)	0874	0.03060	0.00000	0.04326	0.01158	0.00192	12	-1.09	15%	0
035.31	Sodium, AAS, Dry ash (%)	0178	0.03500	0.01000	0.04326	0.01158	0.00192	12	-0.71	10%	0
035.31	Sodium, AAS, Dry ash (%)	0596	0.03500	0.01000	0.04326	0.01158	0.00192	12	-0.71	10%	0
035.31	Sodium, AAS, Dry ash (%)	0175	0.04000	0.00000	0.04326	0.01158	0.00192	12	-0.28	4%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.04000	0.00000	0.04326	0.01158	0.00192	12	-0.28	4%	0
035.31	Sodium, AAS, Dry ash (%)	0670	0.04150	0.00300	0.04326	0.01158	0.00192	12	-0.15	2%	0
035.31	Sodium, AAS, Dry ash (%)	0868	0.04470	0.00000	0.04326	0.01158	0.00192	12	0.12	2%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.05000	0.00000	0.04326	0.01158	0.00192	12	0.58	8%	0
035.31	Sodium, AAS, Dry ash (%)	0305	0.08000	0.00000	0.04326	0.01158	0.00192	12	3.17	42%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.11000	0.00000	0.04326	0.01158	0.00192	12	5.76	77%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.15000	0.00000	0.04326	0.01158	0.00192	12	9.22	123%	0
035.32	Sodium, AAS, Open vessel (%)	0035	0.02940	0.00840	0.12480	0.13958	0.00613	3	-0.68	38%	0
035.32	Sodium, AAS, Open vessel (%)	0169	0.06000	0.00000	0.12480	0.13958	0.00613	3	-0.46	26%	0
035.32	Sodium, AAS, Open vessel (%)	0609	0.28500	0.01000	0.12480	0.13958	0.00613	3	1.15	64%	0
035.33	Sodium, AAS, Microwave (%)	0948	0.05000	0.00000	0.05250	0.00354	0.00500	2	-0.71	2%	0
035.33	Sodium, AAS, Microwave (%)	0904	0.05500	0.01000	0.05250	0.00354	0.00500	2	0.71	2%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.02000	0.00000	0.04942	0.01741	0.00392	15	-1.69	30%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.02930	0.00100	0.04942	0.01741	0.00392	15	-1.16	20%	0
035.41	Sodium, ICP, Dry ash (%)	0661	0.03000	0.00000	0.04942	0.01741	0.00392	15	-1.12	20%	0
035.41	Sodium, ICP, Dry ash (%)	0011	0.03670	0.00160	0.04942	0.01741	0.00392	15	-0.73	13%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.04000	0.00000	0.04942	0.01741	0.00392	15	-0.54	10%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.04250	0.01100	0.04942	0.01741	0.00392	15	-0.40	7%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.04700	0.00200	0.04942	0.01741	0.00392	15	-0.14	2%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.05000	0.00000	0.04942	0.01741	0.00392	15	0.03	1%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.05090	0.00200	0.04942	0.01741	0.00392	15	0.09	1%	0
035.41	Sodium, ICP, Dry ash (%)	0083	0.05500	0.01000	0.04942	0.01741	0.00392	15	0.32	6%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.05540	0.00320	0.04942	0.01741	0.00392	15	0.34	6%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.06000	0.00000	0.04942	0.01741	0.00392	15	0.61	11%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.07500	0.00800	0.04942	0.01741	0.00392	15	1.47	26%	0
035.41	Sodium, ICP, Dry ash (%)	0720	0.16000	0.02000	0.04942	0.01741	0.00392	15	6.35	112%	0
035.41	Sodium, ICP, Dry ash (%)	0695	0.17000	0.00000	0.04942	0.01741	0.00392	15	6.93	122%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.07500	0.03000	0.04942	0.01741	0.00392	15	1.47	26%	1
035.42	Sodium, ICP, Open vessel (%)	0045	0.04450	0.00100	0.05115	0.00663	0.00354	9	-1.00	6%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.04550	0.00300	0.05115	0.00663	0.00354	9	-0.85	6%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.04605	0.01410	0.05115	0.00663	0.00354	9	-0.77	5%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.04700	0.00400	0.05115	0.00663	0.00354	9	-0.63	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	0692	0.04850	0.00100	0.05115	0.00663	0.00354	9	-0.40	3%	0
035.42	Sodium, ICP, Open vessel (%)	0964	0.05660	0.00880	0.05115	0.00663	0.00354	9	0.82	5%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.06000	0.00000	0.05115	0.00663	0.00354	9	1.34	9%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.09000	0.00000	0.05115	0.00663	0.00354	9	5.86	38%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.10000	0.00000	0.05115	0.00663	0.00354	9	7.37	48%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.06500	0.03000	0.05115	0.00663	0.00354	9	2.09	14%	1
035.42	Sodium, ICP, Open vessel (%)	0187	3.6500	0.00000	0.05115	0.00663	0.00354	9	543.05	3518%	2
035.43	Sodium, ICP, Microwave (%)	0297	0.03500	0.01000	0.06026	0.02380	0.00993	10	-1.06	21%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.03950	0.00100	0.06026	0.02380	0.00993	10	-0.87	17%	0
035.43	Sodium, ICP, Microwave (%)	0294	0.04000	0.00000	0.06026	0.02380	0.00993	10	-0.85	17%	0
035.43	Sodium, ICP, Microwave (%)	0008	0.04600	0.00200	0.06026	0.02380	0.00993	10	-0.60	12%	0
035.43	Sodium, ICP, Microwave (%)	0619	0.05950	0.00300	0.06026	0.02380	0.00993	10	-0.03	1%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.06400	0.03000	0.06026	0.02380	0.00993	10	0.16	3%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.06500	0.01000	0.06026	0.02380	0.00993	10	0.20	4%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.06700	0.00200	0.06026	0.02380	0.00993	10	0.28	6%	0
035.43	Sodium, ICP, Microwave (%)	0148	0.09065	0.00230	0.06026	0.02380	0.00993	10	1.28	25%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.09950	0.03900	0.06026	0.02380	0.00993	10	1.65	33%	0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.03575	0.00030			0.00030	1			
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.04350	0.00100			0.00100	1			
036.04	Sulfur, LECO (%)	0098	2.1300	0.00000			0.00000	1			
036.42	Sulfur, ICP, Open vessel (%)	0357	2.0350	0.05000	2.2269	0.13765	0.04497	11	-1.39	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	2.1050	0.01000	2.2269	0.13765	0.04497	11	-0.89	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	2.1050	0.19000	2.2269	0.13765	0.04497	11	-0.89	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	2.1900	0.06000	2.2269	0.13765	0.04497	11	-0.27	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	2.2010	0.00200	2.2269	0.13765	0.04497	11	-0.19	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	2.2075	0.06500	2.2269	0.13765	0.04497	11	-0.14	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	2.2250	0.01000	2.2269	0.13765	0.04497	11	-0.01	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	2.2988	0.08770	2.2269	0.13765	0.04497	11	0.52	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	2.3200	0.00000	2.2269	0.13765	0.04497	11	0.68	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0106	2.3750	0.01000	2.2269	0.13765	0.04497	11	1.08	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	2.8850	0.01000	2.2269	0.13765	0.04497	11	4.78	15%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	2.2750	0.43000	2.2269	0.13765	0.04497	11	0.35	1%	1
036.43	Sulfur, ICP, Microwave (%)	0297	2.0500	0.04000	2.2194	0.16404	0.03250	8	-1.03	4%	0
036.43	Sulfur, ICP, Microwave (%)	0629	2.0750	0.00000	2.2194	0.16404	0.03250	8	-0.88	3%	0
036.43	Sulfur, ICP, Microwave (%)	0169	2.1000	0.04000	2.2194	0.16404	0.03250	8	-0.73	3%	0
036.43	Sulfur, ICP, Microwave (%)	0510	2.1800	0.02000	2.2194	0.16404	0.03250	8	-0.24	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	2.2550	0.07000	2.2194	0.16404	0.03250	8	0.22	1%	0
036.43	Sulfur, ICP, Microwave (%)	0353	2.2650	0.07000	2.2194	0.16404	0.03250	8	0.28	1%	0
036.43	Sulfur, ICP, Microwave (%)	0042	2.3900	0.00000	2.2194	0.16404	0.03250	8	1.04	4%	0
036.43	Sulfur, ICP, Microwave (%)	0294	2.4400	0.02000	2.2194	0.16404	0.03250	8	1.34	5%	0
037.31	Zinc, AAS, Dry ash (ppm)	0354	350.91	2.9400	16,354	951.68	265.54	19	-16.82	49%	0
037.31	Zinc, AAS, Dry ash (ppm)	0674	6,109.7	0.00000	16,354	951.68	265.54	19	-10.76	31%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
037.31	Zinc, AAS, Dry ash (ppm)	0874	14,415	410.00	16,354	951.68	265.54	19	-2.04	6%	0
037.31	Zinc, AAS, Dry ash (ppm)	0536	15,719	132.73	16,354	951.68	265.54	19	-0.67	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0001	15,737	616.00	16,354	951.68	265.54	19	-0.65	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0178	15,760	580.00	16,354	951.68	265.54	19	-0.62	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0723	15,849	0.00000	16,354	951.68	265.54	19	-0.53	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0066	16,314	626.00	16,354	951.68	265.54	19	-0.04	0%	0
037.31	Zinc, AAS, Dry ash (ppm)	0505	16,405	100.00	16,354	951.68	265.54	19	0.05	0%	0
037.31	Zinc, AAS, Dry ash (ppm)	0939	16,519	203.00	16,354	951.68	265.54	19	0.17	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0596	16,593	138.24	16,354	951.68	265.54	19	0.25	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0868	16,645	30.000	16,354	951.68	265.54	19	0.31	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0208	16,650	900.00	16,354	951.68	265.54	19	0.31	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0866	16,758	468.98	16,354	951.68	265.54	19	0.42	1%	0
037.31	Zinc, AAS, Dry ash (ppm)	0175	16,850	100.00	16,354	951.68	265.54	19	0.52	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0689	17,000	0.00000	16,354	951.68	265.54	19	0.68	2%	0
037.31	Zinc, AAS, Dry ash (ppm)	0014	17,279	538.00	16,354	951.68	265.54	19	0.97	3%	0
037.31	Zinc, AAS, Dry ash (ppm)	0951	19,071	199.30	16,354	951.68	265.54	19	2.86	8%	0
037.31	Zinc, AAS, Dry ash (ppm)	0921	22,837	0.00000	16,354	951.68	265.54	19	6.81	20%	0
037.31	Zinc, AAS, Dry ash (ppm)	0590	16,109	1,574.3	16,354	951.68	265.54	19	-0.26	1%	1
037.32	Zinc, AAS, Open vessel (ppm)	0609	16,190	100.00	17,099	263.25	282.85	10	-3.45	3%	0
037.32	Zinc, AAS, Open vessel (ppm)	0036	16,850	40.000	17,099	263.25	282.85	10	-0.95	1%	0
037.32	Zinc, AAS, Open vessel (ppm)	0263	16,900	0.50000	17,099	263.25	282.85	10	-0.76	1%	0
037.32	Zinc, AAS, Open vessel (ppm)	0013	17,050	500.00	17,099	263.25	282.85	10	-0.19	0%	0
037.32	Zinc, AAS, Open vessel (ppm)	0038	17,095	350.00	17,099	263.25	282.85	10	-0.02	0%	0
037.32	Zinc, AAS, Open vessel (ppm)	0035	17,123	1,065.0	17,099	263.25	282.85	10	0.09	0%	0
037.32	Zinc, AAS, Open vessel (ppm)	0504	17,176	253.00	17,099	263.25	282.85	10	0.29	0%	0
037.32	Zinc, AAS, Open vessel (ppm)	2042	17,310	100.00	17,099	263.25	282.85	10	0.80	1%	0
037.32	Zinc, AAS, Open vessel (ppm)	0010	17,360	420.00	17,099	263.25	282.85	10	0.99	1%	0
037.32	Zinc, AAS, Open vessel (ppm)	0612	17,425	0.00000	17,099	263.25	282.85	10	1.24	1%	0
037.33	Zinc, AAS, Microwave (ppm)	0716	18,500	2.7760	10,047	8,707.2	234.21	3	-1.15	50%	0
037.33	Zinc, AAS, Microwave (ppm)	0948	14,443	39.845	10,047	8,707.2	234.21	3	0.50	22%	0
037.33	Zinc, AAS, Microwave (ppm)	0904	15,680	660.00	10,047	8,707.2	234.21	3	0.65	28%	0
037.41	Zinc, ICP, Dry ash (ppm)	0955	1,8300	0.10000	16,736	1,028.6	287.38	23	-16.27	50%	0
037.41	Zinc, ICP, Dry ash (ppm)	0695	7,818.5	21.390	16,736	1,028.6	287.38	23	-8.67	27%	0
037.41	Zinc, ICP, Dry ash (ppm)	0051	14,856	225.00	16,736	1,028.6	287.38	23	-1.83	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0511	15,300	100.00	16,736	1,028.6	287.38	23	-1.40	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0019	15,635	370.00	16,736	1,028.6	287.38	23	-1.07	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0512	16,120	300.00	16,736	1,028.6	287.38	23	-0.60	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	16,225	550.00	16,736	1,028.6	287.38	23	-0.50	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	16,250	440.00	16,736	1,028.6	287.38	23	-0.47	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0049	16,270	365.40	16,736	1,028.6	287.38	23	-0.45	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0208	16,605	230.00	16,736	1,028.6	287.38	23	-0.13	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0011	16,632	144.00	16,736	1,028.6	287.38	23	-0.10	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
037.41	Zinc, ICP, Dry ash (ppm)	0720	16,825	41.333	16,736	1,028.6	287.38	23	0.09	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0300	16,866	876.13	16,736	1,028.6	287.38	23	0.13	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	16,900	400.00	16,736	1,028.6	287.38	23	0.16	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	16,980	100.00	16,736	1,028.6	287.38	23	0.24	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0229	17,005	450.00	16,736	1,028.6	287.38	23	0.26	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0610	17,060	1.0000	16,736	1,028.6	287.38	23	0.31	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0848	17,197	44.280	16,736	1,028.6	287.38	23	0.45	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0598	17,920	220.00	16,736	1,028.6	287.38	23	1.15	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0553	18,050	700.00	16,736	1,028.6	287.38	23	1.28	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0004	18,108	915.00	16,736	1,028.6	287.38	23	1.33	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	18,262	46.000	16,736	1,028.6	287.38	23	1.48	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0083	19,595	70.000	16,736	1,028.6	287.38	23	2.78	9%	0
037.41	Zinc, ICP, Dry ash (ppm)	0003	19,728	1,713.0	16,736	1,028.6	287.38	23	2.91	9%	1
037.42	Zinc, ICP, Open vessel (ppm)	0026	1.4917	0.30340	17,563	1,068.3	747.33	17	-16.44	50%	0
037.42	Zinc, ICP, Open vessel (ppm)	0366	16,050	1,700.0	17,563	1,068.3	747.33	17	-1.42	4%	0
037.42	Zinc, ICP, Open vessel (ppm)	0357	16,575	778.00	17,563	1,068.3	747.33	17	-0.93	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	0035	16,633	5.0000	17,563	1,068.3	747.33	17	-0.87	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	2012	16,845	320.00	17,563	1,068.3	747.33	17	-0.67	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0265	16,970	2,280.0	17,563	1,068.3	747.33	17	-0.56	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0693	17,030	407.00	17,563	1,068.3	747.33	17	-0.50	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0187	17,642	64.240	17,563	1,068.3	747.33	17	0.07	0%	0
037.42	Zinc, ICP, Open vessel (ppm)	0560	17,750	738.00	17,563	1,068.3	747.33	17	0.17	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0074	17,751	375.00	17,563	1,068.3	747.33	17	0.18	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0202	17,776	104.00	17,563	1,068.3	747.33	17	0.20	1%	0
037.42	Zinc, ICP, Open vessel (ppm)	0186	18,096	597.00	17,563	1,068.3	747.33	17	0.50	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0045	18,150	900.00	17,563	1,068.3	747.33	17	0.55	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0964	18,286	2,736.0	17,563	1,068.3	747.33	17	0.68	2%	0
037.42	Zinc, ICP, Open vessel (ppm)	0413	18,450	700.00	17,563	1,068.3	747.33	17	0.83	3%	0
037.42	Zinc, ICP, Open vessel (ppm)	0692	20,300	200.00	17,563	1,068.3	747.33	17	2.56	8%	0
037.42	Zinc, ICP, Open vessel (ppm)	0106	21,500	800.00	17,563	1,068.3	747.33	17	3.68	11%	0
037.43	Zinc, ICP, Microwave (ppm)	0168	1,715.0	86.000	16,583	1,381.9	303.29	18	-10.76	45%	0
037.43	Zinc, ICP, Microwave (ppm)	0297	6,905.5	209.00	16,583	1,381.9	303.29	18	-7.00	29%	0
037.43	Zinc, ICP, Microwave (ppm)	0353	12,270	20.000	16,583	1,381.9	303.29	18	-3.12	13%	0
037.43	Zinc, ICP, Microwave (ppm)	0294	14,373	103.02	16,583	1,381.9	303.29	18	-1.60	7%	0
037.43	Zinc, ICP, Microwave (ppm)	2023	15,650	300.00	16,583	1,381.9	303.29	18	-0.68	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0619	15,950	500.00	16,583	1,381.9	303.29	18	-0.46	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0148	15,970	204.00	16,583	1,381.9	303.29	18	-0.44	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	16,550	300.00	16,583	1,381.9	303.29	18	-0.02	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	16,790	280.00	16,583	1,381.9	303.29	18	0.15	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0629	16,850	0.00000	16,583	1,381.9	303.29	18	0.19	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0036	16,963	113.20	16,583	1,381.9	303.29	18	0.27	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0675	17,006	53.990	16,583	1,381.9	303.29	18	0.31	1%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
037.43	Zinc, ICP, Microwave (ppm)	0027	17,054	88.000	16,583	1,381.9	303.29	18	0.34	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0018	17,489	289.00	16,583	1,381.9	303.29	18	0.66	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0350	17,500	0.00000	16,583	1,381.9	303.29	18	0.66	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0017	17,785	1,250.0	16,583	1,381.9	303.29	18	0.87	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	19,900	1,180.0	16,583	1,381.9	303.29	18	2.40	10%	0
037.43	Zinc, ICP, Microwave (ppm)	0028	19,990	483.00	16,583	1,381.9	303.29	18	2.47	10%	0
037.43	Zinc, ICP, Microwave (ppm)	0008	17,500	2,400.0	16,583	1,381.9	303.29	18	0.66	3%	1
037.44	Zinc, ICP, Dry ash (ppm)	2004	17,550	500.00			500.00	1			
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	1.7000	0.20000			0.20000	1			
037.53	Zinc, ICP-MS, Microwave (ppm)	0572	16,275	250.00	17,010	568.25	168.50	4	-1.29	2%	0
037.53	Zinc, ICP-MS, Microwave (ppm)	0941	16,864	24.000	17,010	568.25	168.50	4	-0.26	0%	0
037.53	Zinc, ICP-MS, Microwave (ppm)	2034	17,350	300.00	17,010	568.25	168.50	4	0.60	1%	0
037.53	Zinc, ICP-MS, Microwave (ppm)	0199	17,550	100.00	17,010	568.25	168.50	4	0.95	2%	0
038.41	Molybdenum, ICP, Dry ash (ppm)	0011	2.2618	0.03350			0.03350	1			
038.42	Molybdenum, ICP, Open vessel (ppm)	0693	2.4800	0.42000	2.9538	0.41065	0.52700	3	-1.15	8%	0
038.42	Molybdenum, ICP, Open vessel (ppm)	0278	3.1750	0.09000	2.9538	0.41065	0.52700	3	0.54	4%	0
038.42	Molybdenum, ICP, Open vessel (ppm)	0964	3.2065	1.0710	2.9538	0.41065	0.52700	3	0.62	4%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0297	0.00000	0.00000	3,261.2	7,288.9	160.05	5	-0.45	50%	0
038.43	Molybdenum, ICP, Microwave (ppm)	2023	0.00000	0.00000	3,261.2	7,288.9	160.05	5	-0.45	50%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0353	2.5300	0.16000	3,261.2	7,288.9	160.05	5	-0.45	50%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	3.4500	0.10000	3,261.2	7,288.9	160.05	5	-0.45	50%	0
038.43	Molybdenum, ICP, Microwave (ppm)	0169	16,300	800.00	3,261.2	7,288.9	160.05	5	1.79	200%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0098	2.2680	0.39400	3.2058	0.83088	0.33700	3	-1.13	15%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0154	3.4995	0.11700	3.2058	0.83088	0.33700	3	0.35	5%	0
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0047	3.8500	0.50000	3.2058	0.83088	0.33700	3	0.78	10%	0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	3.4950	0.11000			0.11000	1			
041.52	Vanadium, ICP-MS, Open vessel (ppm)	0047	5.8000	0.80000			0.80000	1			
051.03	Chlortetracycline, LC (g / ton)	0917	38,194	3,041.0			3,041.0	1			
073.00	Oxytetracycline, Plate (g / ton)	0036	21,676	499.14	29,723	6,017.7	713.66	4	-1.34	14%	0
073.00	Oxytetracycline, Plate (g / ton)	0043	29,836	11.500	29,723	6,017.7	713.66	4	0.02	0%	0
073.00	Oxytetracycline, Plate (g / ton)	0027	31,200	400.00	29,723	6,017.7	713.66	4	0.25	2%	0
073.00	Oxytetracycline, Plate (g / ton)	0511	36,180	1,944.0	29,723	6,017.7	713.66	4	1.07	11%	0
073.03	Oxytetracycline, LC (g / ton)	0032	28,200	2,470.0	31,139	3,130.8	2,232.6	4	-0.94	5%	0
073.03	Oxytetracycline, LC (g / ton)	0675	28,881	410.82	31,139	3,130.8	2,232.6	4	-0.72	4%	0
073.03	Oxytetracycline, LC (g / ton)	0941	32,693	89.709	31,139	3,130.8	2,232.6	4	0.50	2%	0
073.03	Oxytetracycline, LC (g / ton)	0218	34,780	5,960.0	31,139	3,130.8	2,232.6	4	1.16	6%	0
073.04	Oxytetracycline, LC (g / ton)	0033	28,250	900.00	32,273	5,689.7	717.50	2	-0.71	6%	0
073.04	Oxytetracycline, LC (g / ton)	0001	36,297	535.00	32,273	5,689.7	717.50	2	0.71	6%	0
101.01	Choline Chloride, Chem (mg / lb)	2004	12,350	100.00			100.00	1			
101.02	Choline Chloride, LC (mg / lb)	0858	15,132	1,070.0	18,058	4,137.6	629.50	2	-0.71	8%	0
101.02	Choline Chloride, LC (mg / lb)	0904	20,984	189.00	18,058	4,137.6	629.50	2	0.71	8%	0
102.01	Niacin, Micro (mg / lb)	0208	4,036.1	553.88			553.88	1			

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102.02	Niacin, LC (mg / lb)	0904	2,634.5	223.00	4,062.1	1,239.0	182.60	3	-1.15	18%	0
102.02	Niacin, LC (mg / lb)	0227	4,694.8	226.80	4,062.1	1,239.0	182.60	3	0.51	8%	0
102.02	Niacin, LC (mg / lb)	0858	4,857.0	98.000	4,062.1	1,239.0	182.60	3	0.64	10%	0
103.01	Pantothenic Acid, Micro (mg / lb)	0227	823.29	4.5300	834.14	15.355	35.265	2	-0.71	1%	0
103.01	Pantothenic Acid, Micro (mg / lb)	0858	845.00	66.000	834.14	15.355	35.265	2	0.71	1%	0
103.02	Pantothenic Acid, LC (mg / lb)	0904	2,315.0	22.000			22.000	1			
104.00	Riboflavin, Fluorometer (mg / lb)	0227	192.33	7.2600			7.2600	1			
104.03	Riboflavin, LC (mg / lb)	2023	30.690	2.0000	130.09	108.64	6.9347	3	-0.91	38%	0
104.03	Riboflavin, LC (mg / lb)	0858	113.50	7.0000	130.09	108.64	6.9347	3	-0.15	6%	0
104.03	Riboflavin, LC (mg / lb)	0208	246.07	11.804	130.09	108.64	6.9347	3	1.07	45%	0
104.99	Riboflavin, Miscellaneous (mg / lb)	0904	373.00	4.0000			4.0000	1			
105.00	Thiamine, LC (mg / lb)	0858	5.0050	0.59000	10.208	9.2903	4.4109	4	-0.56	25%	0
105.00	Thiamine, LC (mg / lb)	0904	5.4650	0.25000	10.208	9.2903	4.4109	4	-0.51	23%	0
105.00	Thiamine, LC (mg / lb)	2023	6.2400	0.46000	10.208	9.2903	4.4109	4	-0.43	19%	0
105.00	Thiamine, LC (mg / lb)	0208	24.123	16.344	10.208	9.2903	4.4109	4	1.50	68%	0
105.01	Thiamine, Fluorometer (mg / lb)	0227	5.7600	0.36000			0.36000	1			
106.00	Vitamin A, Colorimeter (KU / lb)	0171	522.50	70.000			70.000	1			
106.01	Vitamin A, UV (KU / lb)	0098	428.50	25.000			25.000	1			
106.02	Vitamin A, LC (KU / lb)	0675	300.70	0.80000	494.77	112.56	20.902	15	-1.72	20%	0
106.02	Vitamin A, LC (KU / lb)	0004	354.83	61.930	494.77	112.56	20.902	15	-1.24	14%	0
106.02	Vitamin A, LC (KU / lb)	0199	403.00	38.000	494.77	112.56	20.902	15	-0.82	9%	0
106.02	Vitamin A, LC (KU / lb)	0676	405.93	23.710	494.77	112.56	20.902	15	-0.79	9%	0
106.02	Vitamin A, LC (KU / lb)	2023	456.00	10.000	494.77	112.56	20.902	15	-0.34	4%	0
106.02	Vitamin A, LC (KU / lb)	0590	464.85	22.680	494.77	112.56	20.902	15	-0.27	3%	0
106.02	Vitamin A, LC (KU / lb)	0610	485.35	9.1000	494.77	112.56	20.902	15	-0.08	1%	0
106.02	Vitamin A, LC (KU / lb)	0563	489.17	5.0149	494.77	112.56	20.902	15	-0.05	1%	0
106.02	Vitamin A, LC (KU / lb)	0858	498.60	8.6000	494.77	112.56	20.902	15	0.03	0%	0
106.02	Vitamin A, LC (KU / lb)	0227	517.11	27.210	494.77	112.56	20.902	15	0.20	2%	0
106.02	Vitamin A, LC (KU / lb)	0208	543.00	8.0000	494.77	112.56	20.902	15	0.43	5%	0
106.02	Vitamin A, LC (KU / lb)	0955	564.00	0.00000	494.77	112.56	20.902	15	0.62	7%	0
106.02	Vitamin A, LC (KU / lb)	0723	602.59	0.02000	494.77	112.56	20.902	15	0.96	11%	0
106.02	Vitamin A, LC (KU / lb)	0670	667.90	40.310	494.77	112.56	20.902	15	1.54	17%	0
106.02	Vitamin A, LC (KU / lb)	0904	684.65	58.160	494.77	112.56	20.902	15	1.69	19%	0
106.99	Vitamin A, Miscellaneous (KU / lb)	0629	420.00	0.00000			0.00000	1			
107.00	Vitamin B12, Micro (µg / lb)	0208	964.75	4.5400	1,066.4	143.72	36.270	2	-0.71	5%	0
107.00	Vitamin B12, Micro (µg / lb)	0227	1,168.0	68.000	1,066.4	143.72	36.270	2	0.71	5%	0
108.01	Vitamin D3, LC (KU / lb)	0227	113.00	4.0000			4.0000	1			
108.02	Vitamin D3, LC (KU / lb)	0858	5.6400	0.68000	932.47	1,943.4	15.976	5	-0.48	50%	0
108.02	Vitamin D3, LC (KU / lb)	0904	79.500	5.0000	932.47	1,943.4	15.976	5	-0.44	46%	0
108.02	Vitamin D3, LC (KU / lb)	0941	79.900	8.8000	932.47	1,943.4	15.976	5	-0.44	46%	0
108.02	Vitamin D3, LC (KU / lb)	0610	88.900	10.000	932.47	1,943.4	15.976	5	-0.43	45%	0
108.02	Vitamin D3, LC (KU / lb)	0676	4,408.4	55.400	932.47	1,943.4	15.976	5	1.79	186%	0

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108.02	Vitamin D3, LC (KU / lb)	0675	9,451.9	281.49	932.47	1,943.4	15.976	5	4.38	457%	1
109.01	Vitamin E, TLC / Spectrophotometer (mg / kg)	0171	2,582.6	147.60	3,008.8	602.74	298.80	2	-0.71	7%	0
109.01	Vitamin E, TLC / Spectrophotometer (mg / kg)	0098	3,435.0	450.00	3,008.8	602.74	298.80	2	0.71	7%	0
109.02	Vitamin E, LC (mg / kg)	0199	2,117.0	0.00000	3,805.3	709.48	95.085	13	-2.38	22%	0
109.02	Vitamin E, LC (mg / kg)	0563	2,917.0	86.000	3,805.3	709.48	95.085	13	-1.25	12%	0
109.02	Vitamin E, LC (mg / kg)	0676	3,145.8	45.100	3,805.3	709.48	95.085	13	-0.93	9%	0
109.02	Vitamin E, LC (mg / kg)	0858	3,511.0	210.00	3,805.3	709.48	95.085	13	-0.41	4%	0
109.02	Vitamin E, LC (mg / kg)	0941	3,692.5	75.000	3,805.3	709.48	95.085	13	-0.16	1%	0
109.02	Vitamin E, LC (mg / kg)	0208	3,699.0	145.78	3,805.3	709.48	95.085	13	-0.15	1%	0
109.02	Vitamin E, LC (mg / kg)	0610	3,715.0	70.000	3,805.3	709.48	95.085	13	-0.13	1%	0
109.02	Vitamin E, LC (mg / kg)	0723	3,999.5	0.02000	3,805.3	709.48	95.085	13	0.27	3%	0
109.02	Vitamin E, LC (mg / kg)	2023	4,047.9	39.900	3,805.3	709.48	95.085	13	0.34	3%	0
109.02	Vitamin E, LC (mg / kg)	0904	4,194.5	349.00	3,805.3	709.48	95.085	13	0.55	5%	0
109.02	Vitamin E, LC (mg / kg)	0227	4,410.0	60.000	3,805.3	709.48	95.085	13	0.85	8%	0
109.02	Vitamin E, LC (mg / kg)	0675	4,614.6	155.30	3,805.3	709.48	95.085	13	1.14	11%	0
109.02	Vitamin E, LC (mg / kg)	0955	4,961.0	0.00000	3,805.3	709.48	95.085	13	1.63	15%	0
109.02	Vitamin E, LC (mg / kg)	0590	3,410.0	780.00	3,805.3	709.48	95.085	13	-0.56	5%	1
109.99	Vitamin E, Miscellaneous (mg / kg)	0629	3,900.0	0.00000			0.00000	1			
112.00	Pyridoxine, Vitamin B6 (µg / g)	0227	97.000	2.4000	294.00	278.60	16.200	2	-0.71	34%	0
112.00	Pyridoxine, Vitamin B6 (µg / g)	0904	491.00	30.000	294.00	278.60	16.200	2	0.71	34%	0
112.99	Pyridoxine, Miscellaneous (µg / g)	0858	217.00	14.000			14.000	1			
113.01	Folic Acid, Micro (mg / kg)	0227	20.400	1.2000			1.2000	1			
113.99	Folic Acid, Miscellaneous (mg / kg)	0858	23.200	2.8000			2.8000	1			
114.01	Biotin, Micro (mg / kg)	0227	4.9450	0.11000			0.11000	1			
114.99	Biotin, Miscellaneous (mg / kg)	0607	1.7970	0.00600	5.5510	5.3090	0.31800	2	-0.71	34%	0
114.99	Biotin, Miscellaneous (mg / kg)	0858	9.3050	0.63000	5.5510	5.3090	0.31800	2	0.71	34%	0
115.00	Non Protein Nitrogen (NPN), Urea + Am, Urease I	0278	0.30000	0.00000			0.00000	1			
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.04000	0.00000	0.04438	0.00511	0.00023	3	-0.86	5%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2004	0.04315	0.00070	0.04438	0.00511	0.00023	3	-0.24	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.05000	0.00000	0.04438	0.00511	0.00023	3	1.10	6%	0
120.02	Alanine, Post-col OPA Der (%)	2023	0.04000	0.00000	0.04100	0.00141	0.00400	2	-0.71	1%	0
120.02	Alanine, Post-col OPA Der (%)	0676	0.04200	0.00800	0.04100	0.00141	0.00400	2	0.71	1%	0
120.05	Alanine, Pre-col AQC Der (%)	0008	0.03450	0.00300	0.04275	0.01167	0.00150	2	-0.71	10%	0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.05100	0.00000	0.04275	0.01167	0.00150	2	0.71	10%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.03000	0.00000	0.03500	0.00500	0.00020	3	-1.00	7%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2004	0.03500	0.00060	0.03500	0.00500	0.00020	3	0.00	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.04000	0.00000	0.03500	0.00500	0.00020	3	1.00	7%	0
121.02	Arginine, Post-col OPA Der (%)	0676	0.04700	0.00400	0.04850	0.00212	0.00200	2	-0.71	2%	0
121.02	Arginine, Post-col OPA Der (%)	2023	0.05000	0.00000	0.04850	0.00212	0.00200	2	0.71	2%	0
121.05	Arginine, Pre-col AQC Der (%)	0008	0.02650	0.00100	0.03500	0.01202	0.00400	2	-0.71	12%	0
121.05	Arginine, Pre-col AQC Der (%)	0676	0.04350	0.00700	0.03500	0.01202	0.00400	2	0.71	12%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2004	0.05880	0.00020	0.05960	0.00069	0.00007	3	-1.15	1%	0

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122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.06000	0.00000	0.05960	0.00069	0.00007	3	0.58	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.06000	0.00000	0.05960	0.00069	0.00007	3	0.58	0%	0
122.02	Aspartic, Post-col OPA Der (%)	2023	0.06000	0.00000	0.06025	0.00035	0.00450	2	-0.71	0%	0
122.02	Aspartic, Post-col OPA Der (%)	0676	0.06050	0.00900	0.06025	0.00035	0.00450	2	0.71	0%	0
122.05	Aspartic, Pre-col AQC Der (%)	0008	0.05150	0.00100	0.05775	0.00884	0.00350	2	-0.71	5%	0
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.06400	0.00600	0.05775	0.00884	0.00350	2	0.71	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.01000	0.00000	0.01008	0.00011	0.00015	2	-0.71	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	2004	0.01015	0.00030	0.01008	0.00011	0.00015	2	0.71	0%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.06000	0.00000			0.00000	1			
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0008	0.00200	0.00400			0.00400	1			
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	0.08000	0.00000	0.08247	0.00427	0.00000	3	-0.58	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	0.08000	0.00000	0.08247	0.00427	0.00000	3	-0.58	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2004	0.08740	0.00000	0.08247	0.00427	0.00000	3	1.15	3%	0
125.02	Glutamic, Post-col OPA Der (%)	2023	0.07000	0.00000	0.08000	0.01414	0.01000	2	-0.71	6%	0
125.02	Glutamic, Post-col OPA Der (%)	0676	0.09000	0.02000	0.08000	0.01414	0.01000	2	0.71	6%	0
125.05	Glutamic, Pre-col AQC Der (%)	0008	0.05900	0.01000	0.07250	0.01909	0.01000	2	-0.71	9%	0
125.05	Glutamic, Pre-col AQC Der (%)	0676	0.08600	0.01000	0.07250	0.01909	0.01000	2	0.71	9%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.05000	0.00000	0.05067	0.00115	0.00040	3	-0.58	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.05000	0.00000	0.05067	0.00115	0.00040	3	-0.58	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2004	0.05200	0.00120	0.05067	0.00115	0.00040	3	1.15	1%	0
126.02	Glycine, Post-col OPA Der (%)	2023	0.05000	0.00000	0.06150	0.01626	0.00700	2	-0.71	9%	0
126.02	Glycine, Post-col OPA Der (%)	0676	0.07300	0.01400	0.06150	0.01626	0.00700	2	0.71	9%	0
126.05	Glycine, Pre-col AQC Der (%)	0008	0.05050	0.00100	0.05550	0.00707	0.00500	2	-0.71	5%	0
126.05	Glycine, Pre-col AQC Der (%)	0676	0.06050	0.00900	0.05550	0.00707	0.00500	2	0.71	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.01000	0.00000	0.01033	0.00058	0.00007	3	-0.58	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.01000	0.00000	0.01033	0.00058	0.00007	3	-0.58	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2004	0.01100	0.00020	0.01033	0.00058	0.00007	3	1.15	3%	0
127.02	Histidine, Post-col OPA Der (%)	0676	0.00450	0.00100	0.00725	0.00389	0.00050	2	-0.71	19%	0
127.02	Histidine, Post-col OPA Der (%)	2023	0.01000	0.00000	0.00725	0.00389	0.00050	2	0.71	19%	0
127.05	Histidine, Pre-col AQC Der (%)	0008	0.00000	0.00000	0.00625	0.00884	0.00050	2	-0.71	50%	0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.01250	0.00100	0.00625	0.00884	0.00050	2	0.71	50%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.02000	0.00000	0.02052	0.00089	0.00003	3	-0.58	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.02000	0.00000	0.02052	0.00089	0.00003	3	-0.58	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2004	0.02155	0.00010	0.02052	0.00089	0.00003	3	1.15	3%	0
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.02000	0.00000	0.02150	0.00212	0.00200	2	-0.71	3%	0
128.02	Isoleucine, Post-col OPA Der (%)	0676	0.02300	0.00400	0.02150	0.00212	0.00200	2	0.71	3%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0008	0.01950	0.00300	0.02275	0.00460	0.00250	2	-0.71	7%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.02600	0.00200	0.02275	0.00460	0.00250	2	0.71	7%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.03500	0.01000	0.04380	0.00783	0.00333	3	-1.12	10%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2004	0.04640	0.00000	0.04380	0.00783	0.00333	3	0.33	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.05000	0.00000	0.04380	0.00783	0.00333	3	0.79	7%	0
129.02	Leucine, Post-col OPA Der (%)	0676	0.04400	0.00800	0.04700	0.00424	0.00400	2	-0.71	3%	0



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129.02	Leucine, Post-col OPA Der (%)	2023	0.05000	0.00000	0.04700	0.00424	0.00400	2	0.71	3%	0
129.05	Leucine, Pre-col AQC Der (%)	0008	0.04350	0.00100	0.04650	0.00424	0.00300	2	-0.71	3%	0
129.05	Leucine, Pre-col AQC Der (%)	0676	0.04950	0.00500	0.04650	0.00424	0.00300	2	0.71	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2004	0.02820	0.00020	0.02940	0.00104	0.00007	3	-1.15	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.03000	0.00000	0.02940	0.00104	0.00007	3	0.58	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.03000	0.00000	0.02940	0.00104	0.00007	3	0.58	1%	0
130.02	L-Lysine, Post-col OPA Der (%)	0676	0.02500	0.00200	0.03250	0.01061	0.00100	2	-0.71	12%	0
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.04000	0.00000	0.03250	0.01061	0.00100	2	0.71	12%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0008	0.02700	0.00200	0.02950	0.00354	0.00200	2	-0.71	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.03200	0.00200	0.02950	0.00354	0.00200	2	0.71	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2004	0.00000	0.00000	0.00500	0.00707	0.00000	2	-0.71	50%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.01000	0.00000	0.00500	0.00707	0.00000	2	0.71	50%	0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.00000	0.00000			0.00000	1			
131.05	Methionine, PAO Pre-col AQC Der (%)	0008	0.01400	0.00400			0.00400	1			
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.02000	0.00000	0.02548	0.00507	0.00003	3	-1.08	11%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2004	0.02645	0.00010	0.02548	0.00507	0.00003	3	0.19	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.03000	0.00000	0.02548	0.00507	0.00003	3	0.89	9%	0
132.02	Phenylalanine, Post-col OPA Der (%)	0676	0.02650	0.00500	0.12825	0.14390	0.00250	2	-0.71	40%	0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.23000	0.00000	0.12825	0.14390	0.00250	2	0.71	40%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0008	0.02800	0.01000	0.03175	0.00530	0.00650	2	-0.71	6%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.03550	0.00300	0.03175	0.00530	0.00650	2	0.71	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.03500	0.01000	0.04892	0.01857	0.00363	3	-0.75	14%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2004	0.04175	0.00090	0.04892	0.01857	0.00363	3	-0.39	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.07000	0.00000	0.04892	0.01857	0.00363	3	1.14	22%	0
133.05	Proline, Pre-col AQC Der (%)	0008	0.03800	0.00200	0.05125	0.01874	0.00150	2	-0.71	13%	0
133.05	Proline, Pre-col AQC Der (%)	0676	0.06450	0.00100	0.05125	0.01874	0.00150	2	0.71	13%	0
133.99	Proline, Miscellaneous (%)	2023	0.04000	0.02000			0.02000	1			
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.03000	0.00000	0.03077	0.00133	0.00013	3	-0.58	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.03000	0.00000	0.03077	0.00133	0.00013	3	-0.58	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2004	0.03230	0.00040	0.03077	0.00133	0.00013	3	1.15	2%	0
134.02	Serine, Post-col OPA Der (%)	2023	0.03000	0.00000	0.03025	0.00035	0.00350	2	-0.71	0%	0
134.02	Serine, Post-col OPA Der (%)	0676	0.03050	0.00700	0.03025	0.00035	0.00350	2	0.71	0%	0
134.05	Serine, Pre-col AQC Der (%)	0008	0.02600	0.00600	0.03000	0.00566	0.00400	2	-0.71	7%	0
134.05	Serine, Pre-col AQC Der (%)	0676	0.03400	0.00200	0.03000	0.00566	0.00400	2	0.71	7%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2004	0.02820	0.00000	0.02955	0.00090	0.00000	4	-1.50	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.03000	0.00000	0.02955	0.00090	0.00000	4	0.50	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.03000	0.00000	0.02955	0.00090	0.00000	4	0.50	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0941	0.03000	0.00000	0.02955	0.00090	0.00000	4	0.50	1%	0
135.02	Threonine, Post-col OPA Der (%)	0676	0.02850	0.00300	0.02925	0.00106	0.00150	2	-0.71	1%	0
135.02	Threonine, Post-col OPA Der (%)	2023	0.03000	0.00000	0.02925	0.00106	0.00150	2	0.71	1%	0
135.05	Threonine, Pre-col AQC Der (%)	0008	0.01850	0.00100	0.02450	0.00849	0.00400	2	-0.71	12%	0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.03050	0.00700	0.02450	0.00849	0.00400	2	0.71	12%	0

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136.00	Tryptophan, Alka-Hydrol Post-col Ninhydrin (%)	2004	0.00000	0.00000			0.00000	1			
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0227	0.02000	0.00000			0.00000	1			
136.02	Tryptophan, Alka-Hydrol Post-col OPA Der (%)	2023	0.00000	0.00000			0.00000	1			
136.99	Tryptophan, Miscellaneous (%)	0504	0.00000	0.00000			0.00000	1			
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.01000	0.00000	0.06417	0.04824	0.00100	3	-1.12	42%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.08000	0.00000	0.06417	0.04824	0.00100	3	0.33	12%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2004	0.10250	0.00300	0.06417	0.04824	0.00100	3	0.79	30%	0
137.02	Tyrosine, Post-col OPA Der (%)	0676	0.01600	0.00400	0.01800	0.00283	0.00200	2	-0.71	6%	0
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.02000	0.00000	0.01800	0.00283	0.00200	2	0.71	6%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0008	0.01750	0.00100	0.01950	0.00283	0.00300	2	-0.71	5%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.02150	0.00500	0.01950	0.00283	0.00300	2	0.71	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.03000	0.00000	0.03328	0.00284	0.00343	3	-1.15	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2004	0.03485	0.00030	0.03328	0.00284	0.00343	3	0.55	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.03500	0.01000	0.03328	0.00284	0.00343	3	0.60	3%	0
138.02	Valine, Post-col OPA Der (%)	2023	0.03000	0.00000	0.03475	0.00672	0.00250	2	-0.71	7%	0
138.02	Valine, Post-col OPA Der (%)	0676	0.03950	0.00500	0.03475	0.00672	0.00250	2	0.71	7%	0
138.05	Valine, Pre-col AQC Der (%)	0008	0.02300	0.00200	0.03350	0.01485	0.00200	2	-0.71	16%	0
138.05	Valine, Pre-col AQC Der (%)	0676	0.04400	0.00200	0.03350	0.01485	0.00200	2	0.71	16%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.01500	0.01000			0.01000	1			
139.02	Taurine, Post-col OPA Der (%)	2023	0.00000	0.00000			0.00000	1			
139.05	Taurine, Pre-col AQC Der (%)	0008	0.00000	0.00000			0.00000	1			
160.99	Fructose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
161.99	Galactose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
162.99	Glucose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
163.99	Lactose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
164.99	Maltose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
165.99	Sucrose, Miscellaneous (%)	2004	0.00000	0.00000			0.00000	1			
400.01	Water activity, Aqualab chilled mirror (U)	0589	0.45850	0.00500	0.47283	0.01241	0.00833	3	-1.15	2%	0
400.01	Water activity, Aqualab chilled mirror (U)	0670	0.48000	0.00000	0.47283	0.01241	0.00833	3	0.58	1%	0
400.01	Water activity, Aqualab chilled mirror (U)	0942	0.48000	0.02000	0.47283	0.01241	0.00833	3	0.58	1%	0
516.00	Arsenic, total, AA, Hydride (ppm)	0716	1.2500	0.32000	1.8300	0.82024	0.17000	2	-0.71	16%	0
516.00	Arsenic, total, AA, Hydride (ppm)	2012	2.4100	0.02000	1.8300	0.82024	0.17000	2	0.71	16%	0
516.42	Arsenic, total, ICP, Open vessel (ppm)	0160	0.00000	0.00000			0.00000	1			
516.43	Arsenic, total, ICP, Microwave (ppm)	0168	1.0570	0.14200			0.14200	1			
516.52	Arsenic, total, ICP-MS, Open vessel (ppm)	0047	0.53000	0.52000	1.0957	0.97371	0.26333	3	-0.58	26%	0
516.52	Arsenic, total, ICP-MS, Open vessel (ppm)	0154	0.53700	0.10400	1.0957	0.97371	0.26333	3	-0.57	25%	0
516.52	Arsenic, total, ICP-MS, Open vessel (ppm)	0098	2.2200	0.16600	1.0957	0.97371	0.26333	3	1.15	51%	0
516.53	Arsenic, total, ICP-MS, Microwave (ppm)	0199	1.1750	0.03000	1.4200	0.32565	0.15500	4	-0.75	9%	0
516.53	Arsenic, total, ICP-MS, Microwave (ppm)	0227	1.2500	0.38000	1.4200	0.32565	0.15500	4	-0.52	6%	0
516.53	Arsenic, total, ICP-MS, Microwave (ppm)	0553	1.3600	0.14000	1.4200	0.32565	0.15500	4	-0.18	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (ppm)	2034	1.8950	0.07000	1.4200	0.32565	0.15500	4	1.46	17%	0
518.31	Cadmium, AAS, Dry ash (ppm)	0866	0.51700	0.02400			0.02400	1			

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518.33	Cadmium, AAS, Microwave (ppm)	0948	0.48000	0.02000			0.02000	1			
518.34	Cadmium, AAS, Graphite furnace (ppm)	0716	0.38650	0.01300	0.56717	0.15648	0.05433	3	-1.15	16%	0
518.34	Cadmium, AAS, Graphite furnace (ppm)	0610	0.65500	0.03000	0.56717	0.15648	0.05433	3	0.56	8%	0
518.34	Cadmium, AAS, Graphite furnace (ppm)	0904	0.66000	0.12000	0.56717	0.15648	0.05433	3	0.59	8%	0
518.41	Cadmium, ICP, Dry ash (ppm)	0011	0.62450	0.00600	0.88317	0.28273	0.02533	3	-0.91	15%	0
518.41	Cadmium, ICP, Dry ash (ppm)	0695	0.84000	0.04000	0.88317	0.28273	0.02533	3	-0.15	2%	0
518.41	Cadmium, ICP, Dry ash (ppm)	0350	1.1850	0.03000	0.88317	0.28273	0.02533	3	1.07	17%	0
518.42	Cadmium, ICP, Open vessel (ppm)	0160	0.23500	0.01000			0.01000	1			
518.43	Cadmium, ICP, Microwave (ppm)	0619	0.47850	0.08300	1.1993	1.0193	0.09150	2	-0.71	30%	0
518.43	Cadmium, ICP, Microwave (ppm)	2012	1.9200	0.10000	1.1993	1.0193	0.09150	2	0.71	30%	0
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0154	0.69950	0.00300	0.73833	0.04659	0.08333	3	-0.83	3%	0
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0098	0.72550	0.08700	0.73833	0.04659	0.08333	3	-0.28	1%	0
518.52	Cadmium, ICP-MS, Open vessel (ppm)	0047	0.79000	0.16000	0.73833	0.04659	0.08333	3	1.11	3%	0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.64500	0.07600	0.82060	0.21988	0.08240	5	-0.80	11%	0
518.53	Cadmium, ICP-MS, Microwave (ppm)	2034	0.68450	0.03300	0.82060	0.21988	0.08240	5	-0.62	8%	0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.75850	0.01700	0.82060	0.21988	0.08240	5	-0.28	4%	0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0168	0.82000	0.23600	0.82060	0.21988	0.08240	5	0.00	0%	0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0199	1.1950	0.05000	0.82060	0.21988	0.08240	5	1.70	23%	0
520.31	Chromium, AAS, Dry ash (ppm)	0868	14.950	0.50000			0.50000	1			
520.41	Chromium, ICP, Dry ash (ppm)	0011	34.710	0.55600			0.55600	1			
520.43	Chromium, ICP, Microwave (ppm)	2023	7.5850	0.35000	30.843	17.776	1.1300	4	-1.31	38%	0
520.43	Chromium, ICP, Microwave (ppm)	0619	29.100	1.0000	30.843	17.776	1.1300	4	-0.10	3%	0
520.43	Chromium, ICP, Microwave (ppm)	2012	36.580	2.8200	30.843	17.776	1.1300	4	0.32	9%	0
520.43	Chromium, ICP, Microwave (ppm)	0510	50.105	0.35000	30.843	17.776	1.1300	4	1.08	31%	0
520.52	Chromium, ICP-MS, Open vessel (ppm)	0154	36.860	0.96900			0.96900	1			
520.53	Chromium, ICP-MS, Microwave (ppm)	0553	32.250	3.3000	36.675	6.2579	1.7500	2	-0.71	6%	0
520.53	Chromium, ICP-MS, Microwave (ppm)	2034	41.100	0.20000	36.675	6.2579	1.7500	2	0.71	6%	0
526.31	Lead, AAS, Dry ash (ppm)	0921	3.0133	6.0234	8.2675	7.0249	1.7906	4	-0.75	32%	0
526.31	Lead, AAS, Dry ash (ppm)	0868	4.4850	0.07000	8.2675	7.0249	1.7906	4	-0.54	23%	0
526.31	Lead, AAS, Dry ash (ppm)	0866	7.0715	0.06900	8.2675	7.0249	1.7906	4	-0.17	7%	0
526.31	Lead, AAS, Dry ash (ppm)	0689	18.500	1.0000	8.2675	7.0249	1.7906	4	1.46	62%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0904	4.4300	0.86000	5.2361	0.79377	0.48275	4	-1.02	8%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0716	4.7995	0.16100	5.2361	0.79377	0.48275	4	-0.55	4%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0939	5.4850	0.75000	5.2361	0.79377	0.48275	4	0.31	2%	0
526.34	Lead, AAS, Graphite furnace (ppm)	0610	6.2300	0.16000	5.2361	0.79377	0.48275	4	1.25	9%	0
526.41	Lead, ICP, Dry ash (ppm)	0695	7.8900	0.00000	15.250	10.408	0.29225	2	-0.71	24%	0
526.41	Lead, ICP, Dry ash (ppm)	0011	22.610	0.58450	15.250	10.408	0.29225	2	0.71	24%	0
526.42	Lead, ICP, Open vessel (ppm)	0160	12.360	1.2400			1.2400	1			
526.43	Lead, ICP, Microwave (ppm)	0619	0.00000	0.00000	38.070	53.839	3.0600	2	-0.71	50%	0
526.43	Lead, ICP, Microwave (ppm)	2012	76.140	6.1200	38.070	53.839	3.0600	2	0.71	50%	0
526.52	Lead, ICP-MS, Open vessel (ppm)	0098	9.3050	0.17000	10.478	1.9684	0.70567	3	-0.60	6%	0
526.52	Lead, ICP-MS, Open vessel (ppm)	0154	9.3775	0.84700	10.478	1.9684	0.70567	3	-0.56	5%	0

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526.52	Lead, ICP-MS, Open vessel (ppm)	0047	12.750	1.1000	10.478	1.9684	0.70567	3	1.15	11%	0
526.53	Lead, ICP-MS, Microwave (ppm)	0199	8.5400	0.10000	9.9400	1.1533	0.95600	5	-1.21	7%	0
526.53	Lead, ICP-MS, Microwave (ppm)	0227	9.5850	1.2900	9.9400	1.1533	0.95600	5	-0.31	2%	0
526.53	Lead, ICP-MS, Microwave (ppm)	2034	9.6050	0.51000	9.9400	1.1533	0.95600	5	-0.29	2%	0
526.53	Lead, ICP-MS, Microwave (ppm)	0553	10.300	0.40000	9.9400	1.1533	0.95600	5	0.31	2%	0
526.53	Lead, ICP-MS, Microwave (ppm)	0168	11.670	2.4800	9.9400	1.1533	0.95600	5	1.50	9%	0
529.99	Mercury, Miscellaneous (ppb)	0716	0.01855	0.00130	14.554	14.786	2.8469	6	-0.98	50%	0
529.99	Mercury, Miscellaneous (ppb)	0047	0.78500	0.07000	14.554	14.786	2.8469	6	-0.93	47%	0
529.99	Mercury, Miscellaneous (ppb)	0227	17.000	2.0000	14.554	14.786	2.8469	6	0.17	8%	0
529.99	Mercury, Miscellaneous (ppb)	0866	17.000	0.00000	14.554	14.786	2.8469	6	0.17	8%	0
529.99	Mercury, Miscellaneous (ppb)	0904	17.230	0.08000	14.554	14.786	2.8469	6	0.18	9%	0
529.99	Mercury, Miscellaneous (ppb)	0948	97.275	14.930	14.554	14.786	2.8469	6	5.59	284%	0
529.99	Mercury, Miscellaneous (ppb)	0168	24.000	48.000	14.554	14.786	2.8469	6	0.64	32%	1
539.31	Nickel, AAS, Dry ash (ppm)	0670	23.300	0.20000			0.20000	1			
539.41	Nickel, ICP, Dry ash (ppm)	0011	28.043	0.23250			0.23250	1			
539.43	Nickel, ICP, Microwave (ppm)	2023	10.350	0.50000	17.300	9.8288	0.25000	2	-0.71	20%	0
539.43	Nickel, ICP, Microwave (ppm)	0629	24.250	0.00000	17.300	9.8288	0.25000	2	0.71	20%	0
539.52	Nickel, ICP-MS, Open vessel (ppm)	0047	27.550	2.1000	29.306	2.4837	1.6825	2	-0.71	3%	0
539.52	Nickel, ICP-MS, Open vessel (ppm)	0154	31.063	1.2650	29.306	2.4837	1.6825	2	0.71	3%	0
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	27.000	2.4000	28.900	2.6870	1.2000	2	-0.71	3%	0
539.53	Nickel, ICP-MS, Microwave (ppm)	2034	30.800	0.00000	28.900	2.6870	1.2000	2	0.71	3%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (ppb)	0028	1.1500	0.30000							
621.23	FB1, LC-MS/MS (ppb)	0553	0.00000	0.00000							
622.23	FB2, LC-MS/MS (ppb)	0553	0.00000	0.00000							
623.23	FB3, LC-MS/MS (ppb)	0553	0.00000	0.00000							
630.23	Ochratoxin A, LC-MS/MS (ppb)	0553	0.00000	0.00000							
650.24	Zearalenone, LC-MS/MS (ppb)	0553	0.00000	0.00000							