



Analyte Proficiency Testing Report Pet Food Program

Sample # 201642
Lamb Meal

Labs Reporting: 52
Issue Date : 07/31/2016

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score		
001	Loss on Drying (%)	0034	4.6550	0.01000	5.6833	0.28596	0.09871	14	-3.60	001.00	0
001	Loss on Drying (%)	0845	5.1550	0.51000	5.6833	0.28596	0.09871	14	-1.85	001.07	0
001	Loss on Drying (%)	0510	5.4000	0.00000	5.6833	0.28596	0.09871	14	-0.99	001.99	0
001	Loss on Drying (%)	2124	5.5600	0.00000	5.6833	0.28596	0.09871	14	-0.43	001.03	0
001	Loss on Drying (%)	0309	5.6150	0.16200	5.6833	0.28596	0.09871	14	-0.24	001.00	0
001	Loss on Drying (%)	0074	5.6300	0.14000	5.6833	0.28596	0.09871	14	-0.19	001.07	0
001	Loss on Drying (%)	0613	5.6850	0.21000	5.6833	0.28596	0.09871	14	0.01	001.07	0
001	Loss on Drying (%)	0504	5.7550	0.05000	5.6833	0.28596	0.09871	14	0.25	001.00	0
001	Loss on Drying (%)	0098	5.8100	0.02000	5.6833	0.28596	0.09871	14	0.44	001.07	0
001	Loss on Drying (%)	0035	5.8250	0.01000	5.6833	0.28596	0.09871	14	0.50	001.07	0
001	Loss on Drying (%)	0171	5.8350	0.01000	5.6833	0.28596	0.09871	14	0.53	001.07	0
001	Loss on Drying (%)	0027	5.9100	0.06000	5.6833	0.28596	0.09871	14	0.79	001.00	0
001	Loss on Drying (%)	0003	5.9200	0.02000	5.6833	0.28596	0.09871	14	0.83	001.07	0
001	Loss on Drying (%)	2033	6.1600	0.18000	5.6833	0.28596	0.09871	14	1.67	001.07	0
001	Loss on Drying (%)	0876	6.9300	0.90000	5.6833	0.28596	0.09871	14	4.36	001.99	1
001	Loss on Drying (%)	2115	55.480	0.04000	5.6833	0.28596	0.09871	14	174.14	001.03	2
002	Protein (%)	0034	49.100	0.14000	55.316	0.86874	0.64128	54	-7.16	002.11	0
002	Protein (%)	0943	50.740	0.00000	55.316	0.86874	0.64128	54	-5.27	002.05	0
002	Protein (%)	0511	53.475	0.15000	55.316	0.86874	0.64128	54	-2.12	002.06	0
002	Protein (%)	0042	53.485	0.17000	55.316	0.86874	0.64128	54	-2.11	002.02	0
002	Protein (%)	0042	53.815	0.15000	55.316	0.86874	0.64128	54	-1.73	002.06	0
002	Protein (%)	0027	54.140	2.3800	55.316	0.86874	0.64128	54	-1.35	002.06	0
002	Protein (%)	0914	54.210	0.42000	55.316	0.86874	0.64128	54	-1.27	002.01	0
002	Protein (%)	0510	54.350	0.10000	55.316	0.86874	0.64128	54	-1.11	002.06	0
002	Protein (%)	0098	54.515	0.65000	55.316	0.86874	0.64128	54	-0.92	002.08	0
002	Protein (%)	0202	54.525	0.75000	55.316	0.86874	0.64128	54	-0.91	002.06	0
002	Protein (%)	0015	54.600	0.62000	55.316	0.86874	0.64128	54	-0.82	002.05	0
002	Protein (%)	2016	54.690	0.90000	55.316	0.86874	0.64128	54	-0.72	002.06	0
002	Protein (%)	2050	54.695	0.27000	55.316	0.86874	0.64128	54	-0.72	002.06	0
002	Protein (%)	0098	54.700	0.40000	55.316	0.86874	0.64128	54	-0.71	002.06	0
002	Protein (%)	2089	54.710	2.2400	55.316	0.86874	0.64128	54	-0.70	002.06	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002	Protein (%)	0035	54.765	0.09000	55.316	0.86874	0.64128	54	-0.63	002.06	0
002	Protein (%)	0970	54.950	2.1000	55.316	0.86874	0.64128	54	-0.42	002.99	0
002	Protein (%)	2122	55.000	0.12000	55.316	0.86874	0.64128	54	-0.36	002.04	0
002	Protein (%)	0504	55.005	0.27000	55.316	0.86874	0.64128	54	-0.36	002.04	0
002	Protein (%)	0171	55.050	0.30000	55.316	0.86874	0.64128	54	-0.31	002.06	0
002	Protein (%)	0034	55.127	0.25400	55.316	0.86874	0.64128	54	-0.22	002.06	0
002	Protein (%)	0504	55.145	0.49000	55.316	0.86874	0.64128	54	-0.20	002.06	0
002	Protein (%)	0613	55.215	0.57000	55.316	0.86874	0.64128	54	-0.12	002.06	0
002	Protein (%)	0014	55.250	0.10000	55.316	0.86874	0.64128	54	-0.08	002.06	0
002	Protein (%)	2023	55.345	0.93000	55.316	0.86874	0.64128	54	0.03	002.06	0
002	Protein (%)	0613	55.385	1.5500	55.316	0.86874	0.64128	54	0.08	002.11	0
002	Protein (%)	0164	55.410	0.32000	55.316	0.86874	0.64128	54	0.11	002.01	0
002	Protein (%)	2058	55.485	0.15000	55.316	0.86874	0.64128	54	0.19	002.05	0
002	Protein (%)	0051	55.500	0.20000	55.316	0.86874	0.64128	54	0.21	002.06	0
002	Protein (%)	0208	55.505	0.07000	55.316	0.86874	0.64128	54	0.22	002.06	0
002	Protein (%)	0074	55.505	0.03000	55.316	0.86874	0.64128	54	0.22	002.06	0
002	Protein (%)	0208	55.550	0.30000	55.316	0.86874	0.64128	54	0.27	002.08	0
002	Protein (%)	0845	55.555	0.37000	55.316	0.86874	0.64128	54	0.27	002.00	0
002	Protein (%)	0003	55.560	0.56000	55.316	0.86874	0.64128	54	0.28	002.06	0
002	Protein (%)	0407	55.594	1.7950	55.316	0.86874	0.64128	54	0.32	002.06	0
002	Protein (%)	0957	55.635	1.7500	55.316	0.86874	0.64128	54	0.37	002.06	0
002	Protein (%)	0047	55.650	1.3000	55.316	0.86874	0.64128	54	0.38	002.06	0
002	Protein (%)	0959	55.650	1.0200	55.316	0.86874	0.64128	54	0.38	002.06	0
002	Protein (%)	2033	55.665	0.90500	55.316	0.86874	0.64128	54	0.40	002.06	0
002	Protein (%)	0960	55.720	0.52000	55.316	0.86874	0.64128	54	0.46	002.06	0
002	Protein (%)	0026	55.729	0.95200	55.316	0.86874	0.64128	54	0.48	002.06	0
002	Protein (%)	2124	55.730	0.08000	55.316	0.86874	0.64128	54	0.48	002.06	0
002	Protein (%)	2004	55.800	0.00000	55.316	0.86874	0.64128	54	0.56	002.99	0
002	Protein (%)	0876	55.900	1.1800	55.316	0.86874	0.64128	54	0.67	002.06	0
002	Protein (%)	2136	56.250	2.3000	55.316	0.86874	0.64128	54	1.07	002.06	0
002	Protein (%)	0969	56.254	0.88000	55.316	0.86874	0.64128	54	1.08	002.99	0
002	Protein (%)	2058	56.295	0.37000	55.316	0.86874	0.64128	54	1.13	002.06	0
002	Protein (%)	0808	56.370	0.24000	55.316	0.86874	0.64128	54	1.21	002.06	0
002	Protein (%)	0508	56.381	2.1070	55.316	0.86874	0.64128	54	1.23	002.06	0
002	Protein (%)	0309	56.517	0.15600	55.316	0.86874	0.64128	54	1.38	002.06	0
002	Protein (%)	0164	56.570	0.20000	55.316	0.86874	0.64128	54	1.44	002.06	0
002	Protein (%)	2050	56.740	0.16000	55.316	0.86874	0.64128	54	1.64	002.11	0
002	Protein (%)	0033	57.600	0.60000	55.316	0.86874	0.64128	54	2.63	002.06	0
002	Protein (%)	1019	57.690	0.00000	55.316	0.86874	0.64128	54	2.73	002.06	0
002	Protein (%)	0553	54.450	2.9000	55.316	0.86874	0.64128	54	-1.00	002.06	1
002	Protein (%)	2115	5.7900	0.00000	55.316	0.86874	0.64128	54	-57.01	002.05	2
003	Fat (%)	2050	10.935	0.01000	11.396	0.25882	0.28516	31	-1.78	003.11	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003	Fat (%)	0613	11.090	1.2600	11.396	0.25882	0.28516	31	-1.18	003.14	0
003	Fat (%)	0033	11.100	0.20000	11.396	0.25882	0.28516	31	-1.14	003.13	0
003	Fat (%)	0098	11.110	0.40000	11.396	0.25882	0.28516	31	-1.10	003.13	0
003	Fat (%)	2115	11.135	0.07000	11.396	0.25882	0.28516	31	-1.01	003.07	0
003	Fat (%)	0309	11.154	0.50730	11.396	0.25882	0.28516	31	-0.94	003.00	0
003	Fat (%)	0202	11.170	0.02000	11.396	0.25882	0.28516	31	-0.87	003.14	0
003	Fat (%)	0047	11.175	0.05000	11.396	0.25882	0.28516	31	-0.85	003.99	0
003	Fat (%)	1019	11.240	0.00000	11.396	0.25882	0.28516	31	-0.60	003.99	0
003	Fat (%)	0026	11.245	0.09000	11.396	0.25882	0.28516	31	-0.58	003.00	0
003	Fat (%)	0051	11.250	0.30000	11.396	0.25882	0.28516	31	-0.56	003.10	0
003	Fat (%)	2033	11.275	0.55000	11.396	0.25882	0.28516	31	-0.47	003.00	0
003	Fat (%)	0098	11.295	0.09000	11.396	0.25882	0.28516	31	-0.39	003.10	0
003	Fat (%)	0171	11.350	0.06000	11.396	0.25882	0.28516	31	-0.18	003.12	0
003	Fat (%)	0164	11.355	0.29000	11.396	0.25882	0.28516	31	-0.16	003.06	0
003	Fat (%)	0027	11.360	0.06000	11.396	0.25882	0.28516	31	-0.14	003.09	0
003	Fat (%)	0553	11.395	0.17000	11.396	0.25882	0.28516	31	0.00	003.10	0
003	Fat (%)	0035	11.430	0.06000	11.396	0.25882	0.28516	31	0.13	003.00	0
003	Fat (%)	0876	11.455	0.59000	11.396	0.25882	0.28516	31	0.23	003.14	0
003	Fat (%)	0034	11.510	0.16000	11.396	0.25882	0.28516	31	0.44	003.14	0
003	Fat (%)	0407	11.527	0.12280	11.396	0.25882	0.28516	31	0.51	003.14	0
003	Fat (%)	2033	11.550	0.80000	11.396	0.25882	0.28516	31	0.60	003.06	0
003	Fat (%)	2058	11.570	0.00000	11.396	0.25882	0.28516	31	0.67	003.00	0
003	Fat (%)	2023	11.580	0.10000	11.396	0.25882	0.28516	31	0.71	003.14	0
003	Fat (%)	0003	11.620	0.62000	11.396	0.25882	0.28516	31	0.87	003.14	0
003	Fat (%)	0511	11.635	0.21000	11.396	0.25882	0.28516	31	0.92	003.06	0
003	Fat (%)	2089	11.675	0.39000	11.396	0.25882	0.28516	31	1.08	003.13	0
003	Fat (%)	0098	11.695	0.15000	11.396	0.25882	0.28516	31	1.16	003.09	0
003	Fat (%)	2124	11.750	0.02000	11.396	0.25882	0.28516	31	1.37	003.10	0
003	Fat (%)	0504	12.860	1.4400	11.396	0.25882	0.28516	31	5.66	003.01	0
003	Fat (%)	0074	13.435	0.05000	11.396	0.25882	0.28516	31	7.88	003.06	0
003	Fat (%)	0613	9.3150	4.3700	11.396	0.25882	0.28516	31	-8.04	003.11	1
004	Fiber (%)	0969	1.2150	0.03000	2.9860	1.2412	0.28443	32	-1.43	004.00	0
004	Fiber (%)	2023	1.6100	0.06000	2.9860	1.2412	0.28443	32	-1.11	004.00	0
004	Fiber (%)	2115	1.6400	0.02000	2.9860	1.2412	0.28443	32	-1.08	004.03	0
004	Fiber (%)	2033	1.7500	0.20000	2.9860	1.2412	0.28443	32	-1.00	004.03	0
004	Fiber (%)	2089	1.8000	0.06000	2.9860	1.2412	0.28443	32	-0.96	004.03	0
004	Fiber (%)	0511	1.9500	0.30000	2.9860	1.2412	0.28443	32	-0.83	004.00	0
004	Fiber (%)	0164	2.0000	0.00000	2.9860	1.2412	0.28443	32	-0.79	004.00	0
004	Fiber (%)	0309	2.0674	0.13700	2.9860	1.2412	0.28443	32	-0.74	004.00	0
004	Fiber (%)	0943	2.2300	0.20000	2.9860	1.2412	0.28443	32	-0.61	004.00	0
004	Fiber (%)	0208	2.2350	0.15000	2.9860	1.2412	0.28443	32	-0.61	004.00	0
004	Fiber (%)	0003	2.3100	0.60000	2.9860	1.2412	0.28443	32	-0.54	004.07	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
004	Fiber (%)	2004	2.3100	0.08000	2.9860	1.2412	0.28443	32	-0.54	004.00	0
004	Fiber (%)	2058	2.3900	0.00000	2.9860	1.2412	0.28443	32	-0.48	004.07	0
004	Fiber (%)	0035	2.4150	0.49000	2.9860	1.2412	0.28443	32	-0.46	004.07	0
004	Fiber (%)	0033	2.5000	0.20000	2.9860	1.2412	0.28443	32	-0.39	004.07	0
004	Fiber (%)	0027	2.7100	0.14000	2.9860	1.2412	0.28443	32	-0.22	004.06	0
004	Fiber (%)	0845	2.9750	0.69000	2.9860	1.2412	0.28443	32	-0.01	004.06	0
004	Fiber (%)	0074	3.1200	0.46000	2.9860	1.2412	0.28443	32	0.11	004.07	0
004	Fiber (%)	0504	3.2000	0.18000	2.9860	1.2412	0.28443	32	0.17	004.00	0
004	Fiber (%)	0510	3.2500	0.10000	2.9860	1.2412	0.28443	32	0.21	004.07	0
004	Fiber (%)	0171	3.3050	0.17000	2.9860	1.2412	0.28443	32	0.26	004.00	0
004	Fiber (%)	2125	3.3450	0.81000	2.9860	1.2412	0.28443	32	0.29	004.07	0
004	Fiber (%)	0876	3.3500	0.10000	2.9860	1.2412	0.28443	32	0.29	004.07	0
004	Fiber (%)	0042	3.3700	0.60000	2.9860	1.2412	0.28443	32	0.31	004.07	0
004	Fiber (%)	2124	3.7800	0.14000	2.9860	1.2412	0.28443	32	0.64	004.07	0
004	Fiber (%)	0202	4.4450	0.29000	2.9860	1.2412	0.28443	32	1.18	004.07	0
004	Fiber (%)	0034	4.5050	0.11000	2.9860	1.2412	0.28443	32	1.22	004.11	0
004	Fiber (%)	0407	4.5464	0.26470	2.9860	1.2412	0.28443	32	1.26	004.07	0
004	Fiber (%)	0026	4.6850	0.11000	2.9860	1.2412	0.28443	32	1.37	004.07	0
004	Fiber (%)	0034	5.4400	0.34000	2.9860	1.2412	0.28443	32	1.98	004.07	0
004	Fiber (%)	0553	5.5800	0.12000	2.9860	1.2412	0.28443	32	2.09	004.07	0
004	Fiber (%)	0613	5.8150	1.9500	2.9860	1.2412	0.28443	32	2.28	004.07	0
004	Fiber (%)	0613	6.5200	9.9000	2.9860	1.2412	0.28443	32	2.85	004.11	1
005	Ash (%)	2050	21.735	0.17000	23.866	0.40692	0.29205	41	-5.24	005.11	0
005	Ash (%)	0042	23.110	0.20000	23.866	0.40692	0.29205	41	-1.86	005.00	0
005	Ash (%)	2089	23.160	0.14000	23.866	0.40692	0.29205	41	-1.73	005.00	0
005	Ash (%)	0960	23.225	0.45000	23.866	0.40692	0.29205	41	-1.57	005.00	0
005	Ash (%)	0553	23.305	0.11000	23.866	0.40692	0.29205	41	-1.38	005.00	0
005	Ash (%)	1019	23.350	0.00000	23.866	0.40692	0.29205	41	-1.27	005.00	0
005	Ash (%)	0808	23.365	0.35000	23.866	0.40692	0.29205	41	-1.23	005.00	0
005	Ash (%)	2033	23.400	0.60000	23.866	0.40692	0.29205	41	-1.14	005.00	0
005	Ash (%)	0051	23.650	0.50000	23.866	0.40692	0.29205	41	-0.53	005.00	0
005	Ash (%)	0026	23.665	0.07000	23.866	0.40692	0.29205	41	-0.49	005.00	0
005	Ash (%)	0202	23.685	0.01000	23.866	0.40692	0.29205	41	-0.44	005.99	0
005	Ash (%)	0035	23.715	0.05000	23.866	0.40692	0.29205	41	-0.37	005.00	0
005	Ash (%)	2050	23.745	0.21000	23.866	0.40692	0.29205	41	-0.30	005.05	0
005	Ash (%)	0047	23.750	0.10000	23.866	0.40692	0.29205	41	-0.28	005.00	0
005	Ash (%)	0164	23.780	0.22000	23.866	0.40692	0.29205	41	-0.21	005.00	0
005	Ash (%)	2124	23.790	0.28000	23.866	0.40692	0.29205	41	-0.19	005.05	0
005	Ash (%)	0208	23.800	0.20000	23.866	0.40692	0.29205	41	-0.16	005.00	0
005	Ash (%)	0098	23.805	0.17000	23.866	0.40692	0.29205	41	-0.15	005.00	0
005	Ash (%)	0876	23.805	1.0700	23.866	0.40692	0.29205	41	-0.15	005.00	0
005	Ash (%)	0003	23.810	0.36000	23.866	0.40692	0.29205	41	-0.14	005.05	0

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005	Ash (%)	0957	23.815	0.43000	23.866	0.40692	0.29205	41	-0.12	005.00	0
005	Ash (%)	0407	23.869	0.06190	23.866	0.40692	0.29205	41	0.01	005.00	0
005	Ash (%)	2058	23.920	0.08000	23.866	0.40692	0.29205	41	0.13	005.05	0
005	Ash (%)	0309	23.930	0.70600	23.866	0.40692	0.29205	41	0.16	005.00	0
005	Ash (%)	0845	23.930	0.12000	23.866	0.40692	0.29205	41	0.16	005.00	0
005	Ash (%)	0033	23.950	0.30000	23.866	0.40692	0.29205	41	0.21	005.00	0
005	Ash (%)	2136	24.050	0.30000	23.866	0.40692	0.29205	41	0.45	005.99	0
005	Ash (%)	0171	24.090	0.34000	23.866	0.40692	0.29205	41	0.55	005.00	0
005	Ash (%)	0027	24.130	0.50000	23.866	0.40692	0.29205	41	0.65	005.00	0
005	Ash (%)	0969	24.130	0.25600	23.866	0.40692	0.29205	41	0.65	005.99	0
005	Ash (%)	0511	24.140	0.04000	23.866	0.40692	0.29205	41	0.67	005.00	0
005	Ash (%)	0959	24.170	0.40000	23.866	0.40692	0.29205	41	0.75	005.00	0
005	Ash (%)	2115	24.195	0.05000	23.866	0.40692	0.29205	41	0.81	005.00	0
005	Ash (%)	2004	24.200	0.00000	23.866	0.40692	0.29205	41	0.82	005.99	0
005	Ash (%)	2016	24.245	0.69000	23.866	0.40692	0.29205	41	0.93	005.00	0
005	Ash (%)	0510	24.270	0.04000	23.866	0.40692	0.29205	41	0.99	005.00	0
005	Ash (%)	0613	24.305	0.07000	23.866	0.40692	0.29205	41	1.08	005.99	0
005	Ash (%)	0943	24.350	0.00000	23.866	0.40692	0.29205	41	1.19	005.00	0
005	Ash (%)	2023	24.415	0.63000	23.866	0.40692	0.29205	41	1.35	005.99	0
005	Ash (%)	0504	24.610	0.70000	23.866	0.40692	0.29205	41	1.83	005.00	0
005	Ash (%)	0970	24.900	1.0000	23.866	0.40692	0.29205	41	2.54	005.99	0
005	Ash (%)	0613	16.165	14.710	23.866	0.40692	0.29205	41	-18.92	005.11	2
006	Total sugars (%)	2114	0.00600	0.00060				2		006.99	0
006	Total sugars (%)	0407	0.15000	0.02000				2		006.01	0
006	Total sugars (%)	0969	0.00000	0.00000				2		006.99	4
006	Total sugars (%)	2004	0.01200	0.02400				2		006.99	4
008	Fiber (%)	0613	3.4050	0.47000	4.9279	1.4715	0.69173	8	-1.03	008.99	0
008	Fiber (%)	0164	3.6500	0.30000	4.9279	1.4715	0.69173	8	-0.87	008.08	0
008	Fiber (%)	0035	4.0100	0.08000	4.9279	1.4715	0.69173	8	-0.62	008.08	0
008	Fiber (%)	2004	4.5150	0.07000	4.9279	1.4715	0.69173	8	-0.28	008.08	0
008	Fiber (%)	0309	4.9600	0.33440	4.9279	1.4715	0.69173	8	0.02	008.02	0
008	Fiber (%)	0407	5.5930	0.10940	4.9279	1.4715	0.69173	8	0.45	008.08	0
008	Fiber (%)	0613	6.1550	1.6900	4.9279	1.4715	0.69173	8	0.83	008.08	0
008	Fiber (%)	0504	7.6700	2.4800	4.9279	1.4715	0.69173	8	1.86	008.02	0
009	Fiber (%)	2004	22.900	0.00000	31.808	7.8621	2.1013	6	-1.13	009.09	0
009	Fiber (%)	0164	28.350	0.10000	31.808	7.8621	2.1013	6	-0.44	009.09	0
009	Fiber (%)	0613	29.605	3.6300	31.808	7.8621	2.1013	6	-0.28	009.09	0
009	Fiber (%)	0613	32.410	3.4400	31.808	7.8621	2.1013	6	0.08	009.99	0
009	Fiber (%)	0407	33.983	2.0578	31.808	7.8621	2.1013	6	0.28	009.09	0
009	Fiber (%)	0504	43.720	3.3800	31.808	7.8621	2.1013	6	1.52	009.04	0
010	Moisture (%)	0969	4.5620	0.05400	5.7869	0.60659	0.10933	9	-2.02	010.99	0
010	Moisture (%)	2004	5.1900	0.00000	5.7869	0.60659	0.10933	9	-0.98	010.99	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
010	Moisture (%)	2089	5.6450	0.01000	5.7869	0.60659	0.10933	9	-0.23	010.99	0
010	Moisture (%)	2122	5.6450	0.11000	5.7869	0.60659	0.10933	9	-0.23	010.99	0
010	Moisture (%)	0970	5.7350	0.05000	5.7869	0.60659	0.10933	9	-0.09	010.99	0
010	Moisture (%)	2136	5.9400	0.32000	5.7869	0.60659	0.10933	9	0.25	010.99	0
010	Moisture (%)	2050	6.2100	0.10000	5.7869	0.60659	0.10933	9	0.70	010.11	0
010	Moisture (%)	0208	6.2500	0.12000	5.7869	0.60659	0.10933	9	0.76	010.03	0
010	Moisture (%)	0164	6.5900	0.22000	5.7869	0.60659	0.10933	9	1.32	010.03	0
011	Loss on Drying (%)	0407	5.4000	0.00000	6.3116	0.21262	0.10333	24	-4.29	011.01	0
011	Loss on Drying (%)	0943	5.6400	0.18000	6.3116	0.21262	0.10333	24	-3.16	011.01	0
011	Loss on Drying (%)	0510	5.8000	0.20000	6.3116	0.21262	0.10333	24	-2.41	011.01	0
011	Loss on Drying (%)	0164	6.1300	0.06000	6.3116	0.21262	0.10333	24	-0.85	011.01	0
011	Loss on Drying (%)	0047	6.1500	0.30000	6.3116	0.21262	0.10333	24	-0.76	011.01	0
011	Loss on Drying (%)	0511	6.1750	0.07000	6.3116	0.21262	0.10333	24	-0.64	011.01	0
011	Loss on Drying (%)	0960	6.2000	0.02000	6.3116	0.21262	0.10333	24	-0.52	011.01	0
011	Loss on Drying (%)	0051	6.2700	0.16000	6.3116	0.21262	0.10333	24	-0.20	011.01	0
011	Loss on Drying (%)	0171	6.2750	0.11000	6.3116	0.21262	0.10333	24	-0.17	011.01	0
011	Loss on Drying (%)	0208	6.2800	0.14000	6.3116	0.21262	0.10333	24	-0.15	011.01	0
011	Loss on Drying (%)	0026	6.2850	0.05000	6.3116	0.21262	0.10333	24	-0.13	011.01	0
011	Loss on Drying (%)	0309	6.2850	0.07000	6.3116	0.21262	0.10333	24	-0.13	011.01	0
011	Loss on Drying (%)	0553	6.2900	0.08000	6.3116	0.21262	0.10333	24	-0.10	011.01	0
011	Loss on Drying (%)	0098	6.3400	0.02000	6.3116	0.21262	0.10333	24	0.13	011.01	0
011	Loss on Drying (%)	0013	6.3500	0.08000	6.3116	0.21262	0.10333	24	0.18	011.01	0
011	Loss on Drying (%)	1019	6.3500	0.00000	6.3116	0.21262	0.10333	24	0.18	011.01	0
011	Loss on Drying (%)	0202	6.3950	0.05000	6.3116	0.21262	0.10333	24	0.39	011.01	0
011	Loss on Drying (%)	0957	6.3950	0.25000	6.3116	0.21262	0.10333	24	0.39	011.01	0
011	Loss on Drying (%)	0033	6.4000	0.00000	6.3116	0.21262	0.10333	24	0.42	011.01	0
011	Loss on Drying (%)	2023	6.5450	0.05000	6.3116	0.21262	0.10333	24	1.10	011.02	0
011	Loss on Drying (%)	0808	6.5550	0.11000	6.3116	0.21262	0.10333	24	1.14	011.03	0
011	Loss on Drying (%)	0959	6.6000	0.08000	6.3116	0.21262	0.10333	24	1.36	011.01	0
011	Loss on Drying (%)	2083	6.6000	0.40000	6.3116	0.21262	0.10333	24	1.36	011.02	0
011	Loss on Drying (%)	2058	6.6700	0.00000	6.3116	0.21262	0.10333	24	1.69	011.01	0
011	Loss on Drying (%)	2016	5.8500	0.68000	6.3116	0.21262	0.10333	24	-2.17	011.01	1
012	Starch (%)	2004	0.14000	0.00000	0.54481	0.38329	0.06358	5	-1.06	012.01	0
012	Starch (%)	0407	0.36905	0.08790	0.54481	0.38329	0.06358	5	-0.46	012.03	0
012	Starch (%)	0510	0.50000	0.00000	0.54481	0.38329	0.06358	5	-0.12	012.04	0
012	Starch (%)	0613	0.54500	0.11000	0.54481	0.38329	0.06358	5	0.00	012.01	0
012	Starch (%)	2089	1.1700	0.12000	0.54481	0.38329	0.06358	5	1.63	012.02	0
012	Starch (%)	2023	0.00000	0.00000	0.54481	0.38329	0.06358	5		012.00	4
013	Fat (%)	0845	11.455	0.17000	12.640	0.51144	0.28014	23	-2.32	013.10	0
013	Fat (%)	2124	11.605	0.03000	12.640	0.51144	0.28014	23	-2.02	013.10	0
013	Fat (%)	0510	11.900	0.20000	12.640	0.51144	0.28014	23	-1.45	013.02	0
013	Fat (%)	0042	11.950	0.08000	12.640	0.51144	0.28014	23	-1.35	013.13	0

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013	Fat (%)	0969	12.000	0.60000	12.640	0.51144	0.28014	23	-1.25	013.00	0
013	Fat (%)	0553	12.440	0.42000	12.640	0.51144	0.28014	23	-0.39	013.02	0
013	Fat (%)	0957	12.550	0.24000	12.640	0.51144	0.28014	23	-0.18	013.02	0
013	Fat (%)	0074	12.595	0.37000	12.640	0.51144	0.28014	23	-0.09	013.02	0
013	Fat (%)	0098	12.615	0.07000	12.640	0.51144	0.28014	23	-0.05	013.00	0
013	Fat (%)	0960	12.650	0.22000	12.640	0.51144	0.28014	23	0.02	013.02	0
013	Fat (%)	0959	12.665	0.49000	12.640	0.51144	0.28014	23	0.05	013.02	0
013	Fat (%)	0164	12.710	0.12000	12.640	0.51144	0.28014	23	0.14	013.02	0
013	Fat (%)	0970	12.750	0.10000	12.640	0.51144	0.28014	23	0.21	013.00	0
013	Fat (%)	0208	12.750	0.90000	12.640	0.51144	0.28014	23	0.21	013.02	0
013	Fat (%)	0309	12.803	0.13330	12.640	0.51144	0.28014	23	0.32	013.00	0
013	Fat (%)	2058	12.805	0.23000	12.640	0.51144	0.28014	23	0.32	013.02	0
013	Fat (%)	0202	12.865	0.01000	12.640	0.51144	0.28014	23	0.44	013.00	0
013	Fat (%)	2016	13.010	0.06000	12.640	0.51144	0.28014	23	0.72	013.00	0
013	Fat (%)	0943	13.040	0.44000	12.640	0.51144	0.28014	23	0.78	013.02	0
013	Fat (%)	2004	13.100	1.0000	12.640	0.51144	0.28014	23	0.90	013.00	0
013	Fat (%)	0051	13.150	0.30000	12.640	0.51144	0.28014	23	1.00	013.02	0
013	Fat (%)	2023	13.305	0.13000	12.640	0.51144	0.28014	23	1.30	013.00	0
013	Fat (%)	0808	13.325	0.13000	12.640	0.51144	0.28014	23	1.34	013.02	0
013	Fat (%)	2136	11.470	1.8800	12.640	0.51144	0.28014	23	-2.29	013.02	1
015	Aluminum (mg / kg (ppm))	0171	346.50	9.0000	512.25	132.10	10.500	4	-1.25	015.41	0
015	Aluminum (mg / kg (ppm))	0510	465.50	5.0000	512.25	132.10	10.500	4	-0.35	015.43	0
015	Aluminum (mg / kg (ppm))	0553	611.00	20.000	512.25	132.10	10.500	4	0.75	015.53	0
015	Aluminum (mg / kg (ppm))	2033	626.00	8.0000	512.25	132.10	10.500	4	0.86	015.43	0
017	Boron (mg / kg (ppm))	0510	4.2500	0.10000				1		017.43	0
019	Calcium (%)	0042	5.9950	0.53000	7.3185	0.50330	0.27401	34	-2.63	019.42	0
019	Calcium (%)	2115	6.2750	0.05000	7.3185	0.50330	0.27401	34	-2.07	019.00	0
019	Calcium (%)	2004	6.5100	0.24000	7.3185	0.50330	0.27401	34	-1.61	019.44	0
019	Calcium (%)	0969	6.5565	0.39300	7.3185	0.50330	0.27401	34	-1.51	019.44	0
019	Calcium (%)	2023	6.7350	0.13000	7.3185	0.50330	0.27401	34	-1.16	019.44	0
019	Calcium (%)	2136	6.7400	0.96000	7.3185	0.50330	0.27401	34	-1.15	019.43	0
019	Calcium (%)	2114	6.7650	0.06780	7.3185	0.50330	0.27401	34	-1.10	019.44	0
019	Calcium (%)	0511	6.8550	0.03000	7.3185	0.50330	0.27401	34	-0.92	019.41	0
019	Calcium (%)	0208	6.9705	0.64500	7.3185	0.50330	0.27401	34	-0.69	019.41	0
019	Calcium (%)	0510	7.1050	0.07000	7.3185	0.50330	0.27401	34	-0.42	019.43	0
019	Calcium (%)	0098	7.1700	0.10000	7.3185	0.50330	0.27401	34	-0.30	019.41	0
019	Calcium (%)	0035	7.2000	0.62000	7.3185	0.50330	0.27401	34	-0.24	019.42	0
019	Calcium (%)	0098	7.2100	0.00000	7.3185	0.50330	0.27401	34	-0.22	019.43	0
019	Calcium (%)	0051	7.2524	0.09610	7.3185	0.50330	0.27401	34	-0.13	019.41	0
019	Calcium (%)	0047	7.2850	0.41000	7.3185	0.50330	0.27401	34	-0.07	019.52	0
019	Calcium (%)	0164	7.3550	0.27000	7.3185	0.50330	0.27401	34	0.07	019.41	0
019	Calcium (%)	0034	7.4590	0.34650	7.3185	0.50330	0.27401	34	0.28	019.43	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
019	Calcium (%)	0171	7.4650	0.05000	7.3185	0.50330	0.27401	34	0.29	019.41	0
019	Calcium (%)	0033	7.4800	0.30000	7.3185	0.50330	0.27401	34	0.32	019.43	0
019	Calcium (%)	2089	7.4850	0.17000	7.3185	0.50330	0.27401	34	0.33	019.43	0
019	Calcium (%)	0202	7.4950	0.01000	7.3185	0.50330	0.27401	34	0.35	019.42	0
019	Calcium (%)	0074	7.5400	0.34000	7.3185	0.50330	0.27401	34	0.44	019.41	0
019	Calcium (%)	0027	7.5400	0.38000	7.3185	0.50330	0.27401	34	0.44	019.43	0
019	Calcium (%)	0035	7.5700	0.12000	7.3185	0.50330	0.27401	34	0.50	019.32	0
019	Calcium (%)	2124	7.5700	0.22000	7.3185	0.50330	0.27401	34	0.50	019.43	0
019	Calcium (%)	0208	7.5800	0.32000	7.3185	0.50330	0.27401	34	0.52	019.31	0
019	Calcium (%)	0553	7.6800	0.24000	7.3185	0.50330	0.27401	34	0.72	019.53	0
019	Calcium (%)	0504	7.7020	0.12400	7.3185	0.50330	0.27401	34	0.76	019.42	0
019	Calcium (%)	0014	7.7300	0.52000	7.3185	0.50330	0.27401	34	0.82	019.31	0
019	Calcium (%)	0504	7.7615	0.12300	7.3185	0.50330	0.27401	34	0.88	019.32	0
019	Calcium (%)	0970	7.7800	0.20000	7.3185	0.50330	0.27401	34	0.92	019.44	0
019	Calcium (%)	0407	7.9954	0.41100	7.3185	0.50330	0.27401	34	1.34	019.41	0
019	Calcium (%)	0613	8.0250	0.33000	7.3185	0.50330	0.27401	34	1.40	019.42	0
019	Calcium (%)	2033	8.1100	0.50000	7.3185	0.50330	0.27401	34	1.57	019.43	0
019	Calcium (%)	2122	0.80045	0.00510	7.3185	0.50330	0.27401	34	-12.95	019.44	2
021	Cobalt (mg / kg (ppm))	0164	0.90000	0.00000	1.0538	0.15692	0.04750	4	-0.98	021.31	0
021	Cobalt (mg / kg (ppm))	0510	0.99500	0.01000	1.0538	0.15692	0.04750	4	-0.37	021.43	0
021	Cobalt (mg / kg (ppm))	0171	1.0500	0.10000	1.0538	0.15692	0.04750	4	-0.02	021.41	0
021	Cobalt (mg / kg (ppm))	0553	1.2700	0.08000	1.0538	0.15692	0.04750	4	1.38	021.53	0
022	Copper (mg / kg (ppm))	0098	2.6100	0.72000	6.1470	2.1970	0.39962	24	-1.61	022.41	0
022	Copper (mg / kg (ppm))	0171	3.2000	0.20000	6.1470	2.1970	0.39962	24	-1.34	022.41	0
022	Copper (mg / kg (ppm))	0164	3.4500	0.70000	6.1470	2.1970	0.39962	24	-1.23	022.41	0
022	Copper (mg / kg (ppm))	0208	3.5605	0.18100	6.1470	2.1970	0.39962	24	-1.18	022.41	0
022	Copper (mg / kg (ppm))	0407	3.8930	0.15190	6.1470	2.1970	0.39962	24	-1.03	022.41	0
022	Copper (mg / kg (ppm))	0511	4.5000	1.0000	6.1470	2.1970	0.39962	24	-0.75	022.41	0
022	Copper (mg / kg (ppm))	0098	4.7500	0.50000	6.1470	2.1970	0.39962	24	-0.64	022.43	0
022	Copper (mg / kg (ppm))	0051	5.3900	0.08000	6.1470	2.1970	0.39962	24	-0.34	022.41	0
022	Copper (mg / kg (ppm))	2114	5.4120	0.01790	6.1470	2.1970	0.39962	24	-0.33	022.44	0
022	Copper (mg / kg (ppm))	0074	5.5000	1.0000	6.1470	2.1970	0.39962	24	-0.29	022.41	0
022	Copper (mg / kg (ppm))	2136	6.1350	0.03000	6.1470	2.1970	0.39962	24	-0.01	022.53	0
022	Copper (mg / kg (ppm))	0042	6.5150	0.05000	6.1470	2.1970	0.39962	24	0.17	022.42	0
022	Copper (mg / kg (ppm))	2023	6.5950	0.39000	6.1470	2.1970	0.39962	24	0.20	022.53	0
022	Copper (mg / kg (ppm))	2004	6.6200	0.26000	6.1470	2.1970	0.39962	24	0.22	022.44	0
022	Copper (mg / kg (ppm))	0613	6.9050	1.5500	6.1470	2.1970	0.39962	24	0.35	022.42	0
022	Copper (mg / kg (ppm))	0510	7.0000	0.00000	6.1470	2.1970	0.39962	24	0.39	022.43	0
022	Copper (mg / kg (ppm))	0970	7.0950	0.13000	6.1470	2.1970	0.39962	24	0.43	022.44	0
022	Copper (mg / kg (ppm))	2124	7.2050	0.53000	6.1470	2.1970	0.39962	24	0.48	022.43	0
022	Copper (mg / kg (ppm))	0553	7.2950	0.19000	6.1470	2.1970	0.39962	24	0.52	022.53	0
022	Copper (mg / kg (ppm))	0969	7.3665	0.69100	6.1470	2.1970	0.39962	24	0.56	022.44	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022	Copper (mg / kg (ppm))	0035	8.5000	1.0000	6.1470	2.1970	0.39962	24	1.07	022.42	0
022	Copper (mg / kg (ppm))	0504	8.9045	0.21900	6.1470	2.1970	0.39962	24	1.26	022.32	0
022	Copper (mg / kg (ppm))	0035	11.000	0.00000	6.1470	2.1970	0.39962	24	2.21	022.32	0
022	Copper (mg / kg (ppm))	0202	11.040	0.00000	6.1470	2.1970	0.39962	24	2.23	022.42	0
022	Copper (mg / kg (ppm))	2089	16.920	2.6200	6.1470	2.1970	0.39962	24	4.90	022.43	1
024	Iodine (mg / kg (ppm))	0969	1.9935	0.12300	2.3828	0.34712	0.07100	3		024.99	0
024	Iodine (mg / kg (ppm))	0970	2.4950	0.07000	2.3828	0.34712	0.07100	3		024.99	0
024	Iodine (mg / kg (ppm))	2004	2.6600	0.02000	2.3828	0.34712	0.07100	3		024.99	0
025	Iron (mg / kg (ppm))	0171	546.50	7.0000	669.87	61.830	35.239	25	-2.00	025.41	0
025	Iron (mg / kg (ppm))	2114	566.08	20.454	669.87	61.830	35.239	25	-1.68	025.41	0
025	Iron (mg / kg (ppm))	0969	575.56	10.650	669.87	61.830	35.239	25	-1.53	025.41	0
025	Iron (mg / kg (ppm))	0407	624.74	32.210	669.87	61.830	35.239	25	-0.73	025.41	0
025	Iron (mg / kg (ppm))	0098	628.60	38.200	669.87	61.830	35.239	25	-0.67	025.41	0
025	Iron (mg / kg (ppm))	0511	630.00	16.000	669.87	61.830	35.239	25	-0.64	025.41	0
025	Iron (mg / kg (ppm))	0098	633.80	18.000	669.87	61.830	35.239	25	-0.58	025.43	0
025	Iron (mg / kg (ppm))	2033	644.50	11.000	669.87	61.830	35.239	25	-0.41	025.43	0
025	Iron (mg / kg (ppm))	0051	648.00	50.000	669.87	61.830	35.239	25	-0.35	025.41	0
025	Iron (mg / kg (ppm))	0510	650.50	7.0000	669.87	61.830	35.239	25	-0.31	025.43	0
025	Iron (mg / kg (ppm))	2023	658.00	40.000	669.87	61.830	35.239	25	-0.19	025.43	0
025	Iron (mg / kg (ppm))	2124	659.00	2.0000	669.87	61.830	35.239	25	-0.18	025.43	0
025	Iron (mg / kg (ppm))	0164	669.00	2.0000	669.87	61.830	35.239	25	-0.01	025.41	0
025	Iron (mg / kg (ppm))	0208	670.45	108.70	669.87	61.830	35.239	25	0.01	025.41	0
025	Iron (mg / kg (ppm))	0034	674.55	46.500	669.87	61.830	35.239	25	0.08	025.43	0
025	Iron (mg / kg (ppm))	0970	680.00	20.000	669.87	61.830	35.239	25	0.16	025.41	0
025	Iron (mg / kg (ppm))	2004	680.50	69.000	669.87	61.830	35.239	25	0.17	025.41	0
025	Iron (mg / kg (ppm))	2089	690.39	34.170	669.87	61.830	35.239	25	0.33	025.43	0
025	Iron (mg / kg (ppm))	0042	699.00	118.00	669.87	61.830	35.239	25	0.47	025.42	0
025	Iron (mg / kg (ppm))	0074	729.00	62.000	669.87	61.830	35.239	25	0.96	025.41	0
025	Iron (mg / kg (ppm))	2136	729.50	37.000	669.87	61.830	35.239	25	0.96	025.43	0
025	Iron (mg / kg (ppm))	0035	743.50	15.000	669.87	61.830	35.239	25	1.19	025.32	0
025	Iron (mg / kg (ppm))	0504	747.15	9.1000	669.87	61.830	35.239	25	1.25	025.32	0
025	Iron (mg / kg (ppm))	0035	766.00	82.000	669.87	61.830	35.239	25	1.55	025.42	0
025	Iron (mg / kg (ppm))	0553	920.50	25.000	669.87	61.830	35.239	25	4.05	025.53	0
025	Iron (mg / kg (ppm))	0613	651.93	209.75	669.87	61.830	35.239	25	-0.29	025.42	1
027	Magnesium (%)	2114	0.14845	0.00330	0.17305	0.00956	0.00594	31	-2.57	027.44	0
027	Magnesium (%)	0042	0.15250	0.00900	0.17305	0.00956	0.00594	31	-2.15	027.42	0
027	Magnesium (%)	2004	0.15450	0.00100	0.17305	0.00956	0.00594	31	-1.94	027.44	0
027	Magnesium (%)	0510	0.16000	0.00000	0.17305	0.00956	0.00594	31	-1.36	027.43	0
027	Magnesium (%)	0171	0.16300	0.00200	0.17305	0.00956	0.00594	31	-1.05	027.41	0
027	Magnesium (%)	2136	0.16650	0.00300	0.17305	0.00956	0.00594	31	-0.68	027.43	0
027	Magnesium (%)	0504	0.16700	0.00600	0.17305	0.00956	0.00594	31	-0.63	027.33	0
027	Magnesium (%)	0164	0.16700	0.00200	0.17305	0.00956	0.00594	31	-0.63	027.41	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027	Magnesium (%)	2023	0.16800	0.01000	0.17305	0.00956	0.00594	31	-0.53	027.44	0
027	Magnesium (%)	0014	0.16950	0.01100	0.17305	0.00956	0.00594	31	-0.37	027.31	0
027	Magnesium (%)	0098	0.17000	0.00000	0.17305	0.00956	0.00594	31	-0.32	027.41	0
027	Magnesium (%)	0511	0.17000	0.00000	0.17305	0.00956	0.00594	31	-0.32	027.41	0
027	Magnesium (%)	0202	0.17000	0.00000	0.17305	0.00956	0.00594	31	-0.32	027.42	0
027	Magnesium (%)	0051	0.17105	0.00570	0.17305	0.00956	0.00594	31	-0.21	027.41	0
027	Magnesium (%)	0407	0.17145	0.00090	0.17305	0.00956	0.00594	31	-0.17	027.41	0
027	Magnesium (%)	0970	0.17250	0.00300	0.17305	0.00956	0.00594	31	-0.06	027.44	0
027	Magnesium (%)	0013	0.17500	0.01000	0.17305	0.00956	0.00594	31	0.20	027.32	0
027	Magnesium (%)	0035	0.17500	0.01000	0.17305	0.00956	0.00594	31	0.20	027.42	0
027	Magnesium (%)	0098	0.17500	0.01000	0.17305	0.00956	0.00594	31	0.20	027.43	0
027	Magnesium (%)	2124	0.17500	0.01000	0.17305	0.00956	0.00594	31	0.20	027.43	0
027	Magnesium (%)	0208	0.17550	0.00700	0.17305	0.00956	0.00594	31	0.26	027.31	0
027	Magnesium (%)	0504	0.17800	0.00200	0.17305	0.00956	0.00594	31	0.52	027.32	0
027	Magnesium (%)	0208	0.17800	0.01200	0.17305	0.00956	0.00594	31	0.52	027.41	0
027	Magnesium (%)	0613	0.18000	0.00000	0.17305	0.00956	0.00594	31	0.73	027.42	0
027	Magnesium (%)	0027	0.18150	0.00300	0.17305	0.00956	0.00594	31	0.88	027.43	0
027	Magnesium (%)	0034	0.18210	0.00020	0.17305	0.00956	0.00594	31	0.95	027.43	0
027	Magnesium (%)	0553	0.18350	0.02300	0.17305	0.00956	0.00594	31	1.09	027.53	0
027	Magnesium (%)	0074	0.18400	0.00800	0.17305	0.00956	0.00594	31	1.15	027.41	0
027	Magnesium (%)	2089	0.18500	0.01000	0.17305	0.00956	0.00594	31	1.25	027.43	0
027	Magnesium (%)	0035	0.19000	0.02000	0.17305	0.00956	0.00594	31	1.77	027.32	0
027	Magnesium (%)	0047	0.20700	0.00200	0.17305	0.00956	0.00594	31	3.55	027.52	0
027	Magnesium (%)	0969	0.95250	1.5750	0.17305	0.00956	0.00594	31	81.53	027.44	2
028	Manganese (mg / kg (ppm))	0511	12.000	0.00000	16.850	2.2096	0.76410	28	-2.20	028.41	0
028	Manganese (mg / kg (ppm))	0171	13.350	0.10000	16.850	2.2096	0.76410	28	-1.58	028.41	0
028	Manganese (mg / kg (ppm))	0164	14.000	0.00000	16.850	2.2096	0.76410	28	-1.29	028.41	0
028	Manganese (mg / kg (ppm))	0208	14.550	1.1000	16.850	2.2096	0.76410	28	-1.04	028.31	0
028	Manganese (mg / kg (ppm))	0051	15.020	0.46000	16.850	2.2096	0.76410	28	-0.83	028.41	0
028	Manganese (mg / kg (ppm))	0208	15.045	1.2900	16.850	2.2096	0.76410	28	-0.82	028.41	0
028	Manganese (mg / kg (ppm))	0969	15.146	0.08600	16.850	2.2096	0.76410	28	-0.77	028.44	0
028	Manganese (mg / kg (ppm))	2004	15.900	0.60000	16.850	2.2096	0.76410	28	-0.43	028.44	0
028	Manganese (mg / kg (ppm))	0098	15.905	0.33000	16.850	2.2096	0.76410	28	-0.43	028.41	0
028	Manganese (mg / kg (ppm))	0074	16.000	0.00000	16.850	2.2096	0.76410	28	-0.38	028.41	0
028	Manganese (mg / kg (ppm))	0510	16.000	0.00000	16.850	2.2096	0.76410	28	-0.38	028.43	0
028	Manganese (mg / kg (ppm))	0970	16.250	0.30000	16.850	2.2096	0.76410	28	-0.27	028.44	0
028	Manganese (mg / kg (ppm))	2114	16.406	1.0421	16.850	2.2096	0.76410	28	-0.20	028.44	0
028	Manganese (mg / kg (ppm))	2023	16.600	0.40000	16.850	2.2096	0.76410	28	-0.11	028.44	0
028	Manganese (mg / kg (ppm))	0407	16.945	1.3166	16.850	2.2096	0.76410	28	0.04	028.41	0
028	Manganese (mg / kg (ppm))	2136	17.100	1.0000	16.850	2.2096	0.76410	28	0.11	028.53	0
028	Manganese (mg / kg (ppm))	0613	17.320	2.8000	16.850	2.2096	0.76410	28	0.21	028.42	0
028	Manganese (mg / kg (ppm))	2124	17.390	0.58000	16.850	2.2096	0.76410	28	0.24	028.43	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028	Manganese (mg / kg (ppm))	0035	17.500	1.0000	16.850	2.2096	0.76410	28	0.29	028.42	0
028	Manganese (mg / kg (ppm))	0098	17.500	1.0200	16.850	2.2096	0.76410	28	0.29	028.43	0
028	Manganese (mg / kg (ppm))	0202	17.960	0.00000	16.850	2.2096	0.76410	28	0.50	028.42	0
028	Manganese (mg / kg (ppm))	0047	18.330	0.50000	16.850	2.2096	0.76410	28	0.67	028.52	0
028	Manganese (mg / kg (ppm))	0027	18.735	0.99000	16.850	2.2096	0.76410	28	0.85	028.43	0
028	Manganese (mg / kg (ppm))	0553	18.950	1.7000	16.850	2.2096	0.76410	28	0.95	028.53	0
028	Manganese (mg / kg (ppm))	0504	19.795	1.1300	16.850	2.2096	0.76410	28	1.33	028.32	0
028	Manganese (mg / kg (ppm))	0504	20.060	1.1200	16.850	2.2096	0.76410	28	1.45	028.33	0
028	Manganese (mg / kg (ppm))	2089	20.575	0.53000	16.850	2.2096	0.76410	28	1.69	028.43	0
028	Manganese (mg / kg (ppm))	0035	24.000	2.0000	16.850	2.2096	0.76410	28	3.24	028.32	0
028	Manganese (mg / kg (ppm))	0042	16.400	5.0000	16.850	2.2096	0.76410	28	-0.20	028.42	1
031	Phosphorus (%)	2004	3.3050	0.21000	3.8465	0.23009	0.15882	34	-2.35	031.44	0
031	Phosphorus (%)	0042	3.3200	0.32000	3.8465	0.23009	0.15882	34	-2.29	031.42	0
031	Phosphorus (%)	0969	3.3535	0.19100	3.8465	0.23009	0.15882	34	-2.14	031.44	0
031	Phosphorus (%)	2114	3.4464	0.01390	3.8465	0.23009	0.15882	34	-1.74	031.44	0
031	Phosphorus (%)	2058	3.5000	0.10000	3.8465	0.23009	0.15882	34	-1.51	031.01	0
031	Phosphorus (%)	0510	3.5750	0.01000	3.8465	0.23009	0.15882	34	-1.18	031.43	0
031	Phosphorus (%)	0074	3.6150	0.63000	3.8465	0.23009	0.15882	34	-1.01	031.41	0
031	Phosphorus (%)	0098	3.6530	0.03800	3.8465	0.23009	0.15882	34	-0.84	031.41	0
031	Phosphorus (%)	0035	3.7350	0.47000	3.8465	0.23009	0.15882	34	-0.48	031.42	0
031	Phosphorus (%)	0202	3.7900	0.04000	3.8465	0.23009	0.15882	34	-0.25	031.42	0
031	Phosphorus (%)	0033	3.8050	0.07000	3.8465	0.23009	0.15882	34	-0.18	031.43	0
031	Phosphorus (%)	2115	3.8150	0.01000	3.8465	0.23009	0.15882	34	-0.14	031.01	0
031	Phosphorus (%)	0034	3.8268	0.01780	3.8465	0.23009	0.15882	34	-0.09	031.43	0
031	Phosphorus (%)	0208	3.8325	0.18500	3.8465	0.23009	0.15882	34	-0.06	031.41	0
031	Phosphorus (%)	0164	3.8400	0.02000	3.8465	0.23009	0.15882	34	-0.03	031.41	0
031	Phosphorus (%)	0504	3.8450	0.11000	3.8465	0.23009	0.15882	34	-0.01	031.03	0
031	Phosphorus (%)	0553	3.8500	0.34000	3.8465	0.23009	0.15882	34	0.02	031.53	0
031	Phosphorus (%)	0035	3.9150	0.07000	3.8465	0.23009	0.15882	34	0.30	031.01	0
031	Phosphorus (%)	0613	3.9150	0.03000	3.8465	0.23009	0.15882	34	0.30	031.42	0
031	Phosphorus (%)	0171	3.9200	0.06000	3.8465	0.23009	0.15882	34	0.32	031.41	0
031	Phosphorus (%)	0014	3.9400	0.14000	3.8465	0.23009	0.15882	34	0.41	031.42	0
031	Phosphorus (%)	0970	3.9450	0.17000	3.8465	0.23009	0.15882	34	0.43	031.44	0
031	Phosphorus (%)	0051	3.9462	0.04470	3.8465	0.23009	0.15882	34	0.43	031.41	0
031	Phosphorus (%)	0098	3.9500	0.20400	3.8465	0.23009	0.15882	34	0.45	031.43	0
031	Phosphorus (%)	0027	3.9500	0.06000	3.8465	0.23009	0.15882	34	0.45	031.43	0
031	Phosphorus (%)	2124	3.9700	0.14000	3.8465	0.23009	0.15882	34	0.54	031.43	0
031	Phosphorus (%)	0208	3.9700	0.04000	3.8465	0.23009	0.15882	34	0.54	031.01	0
031	Phosphorus (%)	0504	3.9825	0.05900	3.8465	0.23009	0.15882	34	0.59	031.42	0
031	Phosphorus (%)	2136	3.9950	0.37000	3.8465	0.23009	0.15882	34	0.65	031.53	0
031	Phosphorus (%)	2089	4.0300	0.16000	3.8465	0.23009	0.15882	34	0.80	031.43	0
031	Phosphorus (%)	2033	4.1350	0.35000	3.8465	0.23009	0.15882	34	1.25	031.43	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
031	Phosphorus (%)	0407	4.1438	0.27660	3.8465	0.23009	0.15882	34	1.29	031.41	0
031	Phosphorus (%)	2023	4.3250	0.15000	3.8465	0.23009	0.15882	34	2.08	031.44	0
031	Phosphorus (%)	0511	4.5800	0.30000	3.8465	0.23009	0.15882	34	3.19	031.01	0
031	Phosphorus (%)	0047	3.9350	0.89000	3.8465	0.23009	0.15882	34	0.38	031.03	1
032	Potassium (%)	0171	0.44150	0.00300	0.52451	0.03610	0.01857	31	-2.30	032.41	0
032	Potassium (%)	0511	0.46500	0.01000	0.52451	0.03610	0.01857	31	-1.65	032.41	0
032	Potassium (%)	2136	0.49000	0.02800	0.52451	0.03610	0.01857	31	-0.96	032.43	0
032	Potassium (%)	0014	0.49050	0.03500	0.52451	0.03610	0.01857	31	-0.94	032.31	0
032	Potassium (%)	2004	0.49150	0.02700	0.52451	0.03610	0.01857	31	-0.91	032.44	0
032	Potassium (%)	0051	0.49340	0.00760	0.52451	0.03610	0.01857	31	-0.86	032.41	0
032	Potassium (%)	0034	0.49365	0.00810	0.52451	0.03610	0.01857	31	-0.85	032.43	0
032	Potassium (%)	0035	0.49500	0.03000	0.52451	0.03610	0.01857	31	-0.82	032.42	0
032	Potassium (%)	0510	0.50000	0.00000	0.52451	0.03610	0.01857	31	-0.68	032.43	0
032	Potassium (%)	0969	0.50150	0.00300	0.52451	0.03610	0.01857	31	-0.64	032.44	0
032	Potassium (%)	0504	0.50500	0.01000	0.52451	0.03610	0.01857	31	-0.54	032.02	0
032	Potassium (%)	0208	0.50700	0.00200	0.52451	0.03610	0.01857	31	-0.49	032.31	0
032	Potassium (%)	0164	0.51000	0.00000	0.52451	0.03610	0.01857	31	-0.40	032.41	0
032	Potassium (%)	2114	0.51565	0.01390	0.52451	0.03610	0.01857	31	-0.25	032.44	0
032	Potassium (%)	0970	0.51750	0.01300	0.52451	0.03610	0.01857	31	-0.19	032.44	0
032	Potassium (%)	0042	0.52450	0.07900	0.52451	0.03610	0.01857	31	0.00	032.42	0
032	Potassium (%)	0407	0.52840	0.06720	0.52451	0.03610	0.01857	31	0.11	032.41	0
032	Potassium (%)	2023	0.53400	0.00000	0.52451	0.03610	0.01857	31	0.26	032.44	0
032	Potassium (%)	2124	0.53500	0.01000	0.52451	0.03610	0.01857	31	0.29	032.43	0
032	Potassium (%)	0208	0.53550	0.02100	0.52451	0.03610	0.01857	31	0.30	032.41	0
032	Potassium (%)	0027	0.53700	0.02800	0.52451	0.03610	0.01857	31	0.35	032.43	0
032	Potassium (%)	0074	0.54000	0.02000	0.52451	0.03610	0.01857	31	0.43	032.41	0
032	Potassium (%)	0202	0.54000	0.00000	0.52451	0.03610	0.01857	31	0.43	032.42	0
032	Potassium (%)	2033	0.55250	0.00500	0.52451	0.03610	0.01857	31	0.78	032.43	0
032	Potassium (%)	0613	0.55500	0.05000	0.52451	0.03610	0.01857	31	0.84	032.42	0
032	Potassium (%)	0098	0.55500	0.01000	0.52451	0.03610	0.01857	31	0.84	032.41	0
032	Potassium (%)	0553	0.56750	0.01100	0.52451	0.03610	0.01857	31	1.19	032.53	0
032	Potassium (%)	0504	0.56800	0.00400	0.52451	0.03610	0.01857	31	1.20	032.42	0
032	Potassium (%)	0098	0.58000	0.02000	0.52451	0.03610	0.01857	31	1.54	032.43	0
032	Potassium (%)	2089	0.59000	0.04000	0.52451	0.03610	0.01857	31	1.81	032.43	0
032	Potassium (%)	0035	0.61000	0.02000	0.52451	0.03610	0.01857	31	2.37	032.32	0
032	Potassium (%)	0047	0.54500	0.25000	0.52451	0.03610	0.01857	31	0.57	032.02	1
033	Salt as chloride (%)	2033	0.75250	0.02500	0.79084	0.03137	0.02652	9	-1.22	033.99	0
033	Salt as chloride (%)	0407	0.76450	0.00100	0.79084	0.03137	0.02652	9	-0.84	033.01	0
033	Salt as chloride (%)	0504	0.76500	0.09000	0.79084	0.03137	0.02652	9	-0.82	033.00	0
033	Salt as chloride (%)	0613	0.78540	0.03080	0.79084	0.03137	0.02652	9	-0.17	033.99	0
033	Salt as chloride (%)	0309	0.78725	0.00190	0.79084	0.03137	0.02652	9	-0.11	033.00	0
033	Salt as chloride (%)	0510	0.80000	0.02000	0.79084	0.03137	0.02652	9	0.29	033.01	0

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033	Salt as chloride (%)	0098	0.81000	0.00000	0.79084	0.03137	0.02652	9	0.61	033.01	0
033	Salt as chloride (%)	2023	0.81500	0.01000	0.79084	0.03137	0.02652	9	0.77	033.01	0
033	Salt as chloride (%)	0171	0.84000	0.06000	0.79084	0.03137	0.02652	9	1.57	033.99	0
034	Selenium (mg / kg (ppm))	2124	0.82000	0.50000	1.1479	0.20167	0.22838	8	-1.63	034.43	0
034	Selenium (mg / kg (ppm))	2004	1.0125	0.07500	1.1479	0.20167	0.22838	8	-0.67	034.99	0
034	Selenium (mg / kg (ppm))	0969	1.0580	0.24600	1.1479	0.20167	0.22838	8	-0.45	034.99	0
034	Selenium (mg / kg (ppm))	0970	1.1070	0.36600	1.1479	0.20167	0.22838	8	-0.20	034.99	0
034	Selenium (mg / kg (ppm))	0098	1.2200	0.12000	1.1479	0.20167	0.22838	8	0.36	034.01	0
034	Selenium (mg / kg (ppm))	0553	1.2300	0.08000	1.1479	0.20167	0.22838	8	0.41	034.53	0
034	Selenium (mg / kg (ppm))	0164	1.3100	0.04000	1.1479	0.20167	0.22838	8	0.80	034.04	0
034	Selenium (mg / kg (ppm))	2023	1.4000	0.40000	1.1479	0.20167	0.22838	8	1.25	034.53	0
035	Sodium (%)	2114	0.39045	0.00930	0.72236	0.05072	0.01912	32	-6.54	035.41	0
035	Sodium (%)	0969	0.63650	0.00500	0.72236	0.05072	0.01912	32	-1.69	035.41	0
035	Sodium (%)	0042	0.65200	0.00200	0.72236	0.05072	0.01912	32	-1.39	035.42	0
035	Sodium (%)	0035	0.65500	0.05000	0.72236	0.05072	0.01912	32	-1.33	035.42	0
035	Sodium (%)	0171	0.65750	0.00500	0.72236	0.05072	0.01912	32	-1.28	035.41	0
035	Sodium (%)	2004	0.66150	0.02900	0.72236	0.05072	0.01912	32	-1.20	035.41	0
035	Sodium (%)	0510	0.66700	0.00400	0.72236	0.05072	0.01912	32	-1.09	035.43	0
035	Sodium (%)	0511	0.68500	0.03000	0.72236	0.05072	0.01912	32	-0.74	035.41	0
035	Sodium (%)	0003	0.70000	0.00000	0.72236	0.05072	0.01912	32	-0.44	035.41	0
035	Sodium (%)	0407	0.70555	0.02390	0.72236	0.05072	0.01912	32	-0.33	035.41	0
035	Sodium (%)	2136	0.70750	0.00900	0.72236	0.05072	0.01912	32	-0.29	035.43	0
035	Sodium (%)	0164	0.70900	0.00400	0.72236	0.05072	0.01912	32	-0.26	035.41	0
035	Sodium (%)	2023	0.71300	0.01200	0.72236	0.05072	0.01912	32	-0.18	035.41	0
035	Sodium (%)	0208	0.71400	0.02000	0.72236	0.05072	0.01912	32	-0.16	035.31	0
035	Sodium (%)	0014	0.72650	0.04100	0.72236	0.05072	0.01912	32	0.08	035.31	0
035	Sodium (%)	2122	0.73085	0.04710	0.72236	0.05072	0.01912	32	0.17	035.41	0
035	Sodium (%)	0970	0.73100	0.00600	0.72236	0.05072	0.01912	32	0.17	035.41	0
035	Sodium (%)	0208	0.73250	0.05900	0.72236	0.05072	0.01912	32	0.20	035.41	0
035	Sodium (%)	0034	0.73515	0.04150	0.72236	0.05072	0.01912	32	0.25	035.43	0
035	Sodium (%)	2089	0.74000	0.00000	0.72236	0.05072	0.01912	32	0.35	035.43	0
035	Sodium (%)	0027	0.74050	0.02300	0.72236	0.05072	0.01912	32	0.36	035.43	0
035	Sodium (%)	0033	0.74700	0.02800	0.72236	0.05072	0.01912	32	0.49	035.43	0
035	Sodium (%)	0202	0.75000	0.00000	0.72236	0.05072	0.01912	32	0.54	035.42	0
035	Sodium (%)	0504	0.75350	0.04500	0.72236	0.05072	0.01912	32	0.61	035.42	0
035	Sodium (%)	0504	0.76500	0.01000	0.72236	0.05072	0.01912	32	0.84	035.05	0
035	Sodium (%)	0035	0.76500	0.01000	0.72236	0.05072	0.01912	32	0.84	035.32	0
035	Sodium (%)	0098	0.77000	0.02000	0.72236	0.05072	0.01912	32	0.94	035.41	0
035	Sodium (%)	2124	0.77000	0.02000	0.72236	0.05072	0.01912	32	0.94	035.43	0
035	Sodium (%)	0098	0.78000	0.02000	0.72236	0.05072	0.01912	32	1.14	035.43	0
035	Sodium (%)	2033	0.78200	0.02400	0.72236	0.05072	0.01912	32	1.18	035.43	0
035	Sodium (%)	0613	0.78500	0.01000	0.72236	0.05072	0.01912	32	1.23	035.42	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035	Sodium (%)	0553	0.79200	0.00400	0.72236	0.05072	0.01912	32	1.37	035.53	0
035	Sodium (%)	0051	0.76640	0.12420	0.72236	0.05072	0.01912	32	0.87	035.41	1
036	Sulfur (%)	0098	0.47500	0.01000	0.53775	0.06463	0.01501	11	-0.97	036.04	0
036	Sulfur (%)	0164	0.47500	0.01000	0.53775	0.06463	0.01501	11	-0.97	036.42	0
036	Sulfur (%)	0613	0.47500	0.05000	0.53775	0.06463	0.01501	11	-0.97	036.42	0
036	Sulfur (%)	0202	0.50000	0.00000	0.53775	0.06463	0.01501	11	-0.58	036.42	0
036	Sulfur (%)	0407	0.51530	0.00120	0.53775	0.06463	0.01501	11	-0.35	036.42	0
036	Sulfur (%)	0035	0.53500	0.01000	0.53775	0.06463	0.01501	11	-0.04	036.42	0
036	Sulfur (%)	0098	0.54875	0.01290	0.53775	0.06463	0.01501	11	0.17	036.43	0
036	Sulfur (%)	0171	0.56150	0.01100	0.53775	0.06463	0.01501	11	0.37	036.42	0
036	Sulfur (%)	0510	0.57000	0.00000	0.53775	0.06463	0.01501	11	0.50	036.43	0
036	Sulfur (%)	2089	0.62500	0.03000	0.53775	0.06463	0.01501	11	1.35	036.43	0
036	Sulfur (%)	2033	0.67800	0.03000	0.53775	0.06463	0.01501	11	2.17	036.43	0
037	Zinc (mg / kg (ppm))	0171	50.500	0.80000	83.483	12.177	4.5589	24	-2.71	037.41	0
037	Zinc (mg / kg (ppm))	0511	50.500	5.0000	83.483	12.177	4.5589	24	-2.71	037.41	0
037	Zinc (mg / kg (ppm))	0164	65.000	2.0000	83.483	12.177	4.5589	24	-1.52	037.41	0
037	Zinc (mg / kg (ppm))	0098	66.730	3.4400	83.483	12.177	4.5589	24	-1.38	037.41	0
037	Zinc (mg / kg (ppm))	0051	72.535	3.1500	83.483	12.177	4.5589	24	-0.90	037.41	0
037	Zinc (mg / kg (ppm))	2114	74.366	0.88430	83.483	12.177	4.5589	24	-0.75	037.44	0
037	Zinc (mg / kg (ppm))	2136	77.950	0.70000	83.483	12.177	4.5589	24	-0.45	037.53	0
037	Zinc (mg / kg (ppm))	0208	78.660	2.3400	83.483	12.177	4.5589	24	-0.40	037.41	0
037	Zinc (mg / kg (ppm))	0969	81.674	3.6390	83.483	12.177	4.5589	24	-0.15	037.44	0
037	Zinc (mg / kg (ppm))	2004	83.850	1.7000	83.483	12.177	4.5589	24	0.03	037.44	0
037	Zinc (mg / kg (ppm))	0407	84.095	1.9497	83.483	12.177	4.5589	24	0.05	037.41	0
037	Zinc (mg / kg (ppm))	0970	84.300	0.80000	83.483	12.177	4.5589	24	0.07	037.44	0
037	Zinc (mg / kg (ppm))	0042	86.450	6.1000	83.483	12.177	4.5589	24	0.24	037.42	0
037	Zinc (mg / kg (ppm))	0510	86.500	1.0000	83.483	12.177	4.5589	24	0.25	037.43	0
037	Zinc (mg / kg (ppm))	2023	86.550	2.5000	83.483	12.177	4.5589	24	0.25	037.43	0
037	Zinc (mg / kg (ppm))	2124	88.925	0.97000	83.483	12.177	4.5589	24	0.45	037.43	0
037	Zinc (mg / kg (ppm))	0504	88.925	5.4900	83.483	12.177	4.5589	24	0.45	037.32	0
037	Zinc (mg / kg (ppm))	0613	91.055	38.090	83.483	12.177	4.5589	24	0.62	037.42	0
037	Zinc (mg / kg (ppm))	0202	91.500	0.98000	83.483	12.177	4.5589	24	0.66	037.42	0
037	Zinc (mg / kg (ppm))	0035	94.000	8.0000	83.483	12.177	4.5589	24	0.86	037.42	0
037	Zinc (mg / kg (ppm))	2089	95.905	3.6300	83.483	12.177	4.5589	24	1.02	037.43	0
037	Zinc (mg / kg (ppm))	0035	97.000	2.0000	83.483	12.177	4.5589	24	1.11	037.32	0
037	Zinc (mg / kg (ppm))	0098	97.225	5.7500	83.483	12.177	4.5589	24	1.13	037.43	0
037	Zinc (mg / kg (ppm))	0553	99.750	8.5000	83.483	12.177	4.5589	24	1.34	037.53	0
037	Zinc (mg / kg (ppm))	0074	108.50	63.000	83.483	12.177	4.5589	24	2.05	037.41	1
038	Molybdenum (mg / kg (ppm))	0171	0.40000	0.00000	0.60637	0.10834	0.00950	6	-1.90	038.41	0
038	Molybdenum (mg / kg (ppm))	2023	0.59500	0.01000	0.60637	0.10834	0.00950	6	-0.10	038.53	0
038	Molybdenum (mg / kg (ppm))	2136	0.59550	0.03100	0.60637	0.10834	0.00950	6	-0.10	038.53	0
038	Molybdenum (mg / kg (ppm))	0510	0.60000	0.00000	0.60637	0.10834	0.00950	6	-0.06	038.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
038	Molybdenum (mg / kg (ppm))	0553	0.63500	0.01600	0.60637	0.10834	0.00950	6	0.26	038.53	0
038	Molybdenum (mg / kg (ppm))	0164	1.7000	0.00000	0.60637	0.10834	0.00950	6	10.09	038.31	0
041	Vanadium (mg / kg (ppm))	0553	1.9750	0.21000				1		041.53	0
042	Chloride (%)	0970	0.48500	0.00200	0.48683	0.00161	0.00775	4	-1.14	042.99	0
042	Chloride (%)	2004	0.48750	0.00100	0.48683	0.00161	0.00775	4	0.41	042.00	0
042	Chloride (%)	0969	0.48800	0.00800	0.48683	0.00161	0.00775	4	0.73	042.00	0
042	Chloride (%)	0613	0.51000	0.02000	0.48683	0.00161	0.00775	4	14.41	042.99	0
101	Choline Chloride (mg / kg (ppm))	2004	847.50	7.0000	1,206.7	519.63	33.333	3		101.01	0
101	Choline Chloride (mg / kg (ppm))	0969	970.00	26.000	1,206.7	519.63	33.333	3		101.01	0
101	Choline Chloride (mg / kg (ppm))	0227	1,802.5	67.000	1,206.7	519.63	33.333	3		101.02	0
102	Niacin (mg / kg (ppm))	0969	72.100	2.2000				2		102.01	0
102	Niacin (mg / kg (ppm))	2004	87.950	2.3000				2		102.01	0
103	Pantothenic Acid (mg / kg (ppm))	2004	9.6500	0.10000				2		103.02	0
103	Pantothenic Acid (mg / kg (ppm))	0969	10.550	0.10000				2		103.02	0
104	Riboflavin (mg / kg (ppm))	2023	8.4000	0.00000	8.6750	0.38891	0.36667	3		104.03	0
104	Riboflavin (mg / kg (ppm))	2004	8.9500	0.10000	8.6750	0.38891	0.36667	3		104.02	0
104	Riboflavin (mg / kg (ppm))	0969	10.300	1.0000	8.6750	0.38891	0.36667	3		104.02	0
105	Thiamine (mg / kg (ppm))	2023	0.60000	0.00000				1		105.00	0
105	Thiamine (mg / kg (ppm))	0969	0.00000	0.00000				1		105.99	4
105	Thiamine (mg / kg (ppm))	2004	0.00000	0.00000				1		105.99	4
106	Vitamin A (KU / kg)	2023	0.27700	0.03400				2		106.02	0
106	Vitamin A (KU / kg)	2114	1.6151	0.10210				2		106.02	0
106	Vitamin A (KU / kg)	0969	0.00000	0.00000				2		106.02	4
106	Vitamin A (KU / kg)	0970	0.00000	0.00000				2		106.02	4
106	Vitamin A (KU / kg)	2004	0.00000	0.00000				2		106.02	4
107	Vitamin B12 (µg / kg (ppb))	2004	169.50	9.0000				2		107.00	0
107	Vitamin B12 (µg / kg (ppb))	0969	179.50	3.0000				2		107.00	0
108	Vitamin D3 (KU / kg)	2023	0.45500	0.01000				1		108.01	0
108	Vitamin D3 (KU / kg)	0969	0.00000	0.00000				1		108.99	4
108	Vitamin D3 (KU / kg)	0970	0.00000	0.00000				1		108.99	4
108	Vitamin D3 (KU / kg)	2004	0.00000	0.00000				1		108.99	4
109	Vitamin E (IU/kg)	0969	10.750	0.70000	12.375	2.2981	69.317	3		109.02	0
109	Vitamin E (IU/kg)	2023	14.000	2.0000	12.375	2.2981	69.317	3		109.02	0
109	Vitamin E (IU/kg)	2114	5,463.2	205.25	12.375	2.2981	69.317	3		109.02	0
109	Vitamin E (IU/kg)	0970	0.00000	0.00000	12.375	2.2981	69.317	3		109.02	4
109	Vitamin E (IU/kg)	2004	0.00000	0.00000	12.375	2.2981	69.317	3		109.02	4
112	Pyridoxine (µg / g)	0969	0.53500	0.01000				2		112.00	0
112	Pyridoxine (µg / g)	2004	0.59500	0.03000				2		112.00	0
113	Folic Acid (mg / kg (ppm))	0969	0.49300	0.07200				2		113.01	0
113	Folic Acid (mg / kg (ppm))	2004	0.54900	0.03800				2		113.01	0
114	Biotin (mg / kg (ppm))	0969	0.12650	0.00300				2		114.01	0
114	Biotin (mg / kg (ppm))	2004	0.14450	0.01300				2		114.01	0

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120	Alanine (%)	0171	3.8000	0.02000	3.8519	0.06696	0.05043	7	-0.78	120.00	0
120	Alanine (%)	0969	3.8085	0.00300	3.8519	0.06696	0.05043	7	-0.65	120.01	0
120	Alanine (%)	2023	3.8100	0.10000	3.8519	0.06696	0.05043	7	-0.63	120.02	0
120	Alanine (%)	0227	3.8250	0.05000	3.8519	0.06696	0.05043	7	-0.40	120.00	0
120	Alanine (%)	2004	3.8500	0.04000	3.8519	0.06696	0.05043	7	-0.03	120.01	0
120	Alanine (%)	0504	3.9300	0.06000	3.8519	0.06696	0.05043	7	1.17	120.00	0
120	Alanine (%)	0970	3.9400	0.08000	3.8519	0.06696	0.05043	7	1.32	120.01	0
121	Arginine (%)	0969	3.8025	0.00500	3.9218	0.10309	0.08071	7	-1.16	121.01	0
121	Arginine (%)	2023	3.8150	0.09000	3.9218	0.10309	0.08071	7	-1.04	121.02	0
121	Arginine (%)	0227	3.8750	0.03000	3.9218	0.10309	0.08071	7	-0.45	121.00	0
121	Arginine (%)	0504	3.9450	0.19000	3.9218	0.10309	0.08071	7	0.23	121.00	0
121	Arginine (%)	2004	3.9900	0.10000	3.9218	0.10309	0.08071	7	0.66	121.01	0
121	Arginine (%)	0970	4.0050	0.07000	3.9218	0.10309	0.08071	7	0.81	121.01	0
121	Arginine (%)	0171	4.0200	0.08000	3.9218	0.10309	0.08071	7	0.95	121.00	0
122	Aspartic (%)	0504	4.1050	0.09000	4.1548	0.06405	0.06786	7	-0.78	122.00	0
122	Aspartic (%)	0970	4.1100	0.08000	4.1548	0.06405	0.06786	7	-0.70	122.01	0
122	Aspartic (%)	0969	4.1175	0.00500	4.1548	0.06405	0.06786	7	-0.58	122.01	0
122	Aspartic (%)	2004	4.1350	0.15000	4.1548	0.06405	0.06786	7	-0.31	122.01	0
122	Aspartic (%)	2023	4.1500	0.04000	4.1548	0.06405	0.06786	7	-0.07	122.02	0
122	Aspartic (%)	0227	4.2150	0.07000	4.1548	0.06405	0.06786	7	0.94	122.00	0
122	Aspartic (%)	0171	5.5400	0.04000	4.1548	0.06405	0.06786	7	21.63	122.00	0
124	Cysteine/Cystine (%)	0969	0.45650	0.01300	0.54436	0.06634	0.02786	7	-1.32	124.01	0
124	Cysteine/Cystine (%)	0227	0.50000	0.04000	0.54436	0.06634	0.02786	7	-0.67	124.00	0
124	Cysteine/Cystine (%)	2004	0.50250	0.00900	0.54436	0.06634	0.02786	7	-0.63	124.01	0
124	Cysteine/Cystine (%)	0504	0.57000	0.00000	0.54436	0.06634	0.02786	7	0.39	124.00	0
124	Cysteine/Cystine (%)	0171	0.57500	0.05000	0.54436	0.06634	0.02786	7	0.46	124.00	0
124	Cysteine/Cystine (%)	0970	0.58650	0.06300	0.54436	0.06634	0.02786	7	0.64	124.01	0
124	Cysteine/Cystine (%)	2023	0.62000	0.02000	0.54436	0.06634	0.02786	7	1.14	124.02	0
125	Glutamic (%)	2004	6.5350	0.23000	6.8204	0.27894	0.16314	7	-1.02	125.01	0
125	Glutamic (%)	0970	6.6300	0.10000	6.8204	0.27894	0.16314	7	-0.68	125.01	0
125	Glutamic (%)	0969	6.6390	0.00200	6.8204	0.27894	0.16314	7	-0.65	125.01	0
125	Glutamic (%)	2023	6.7900	0.30000	6.8204	0.27894	0.16314	7	-0.11	125.02	0
125	Glutamic (%)	0227	6.9450	0.07000	6.8204	0.27894	0.16314	7	0.45	125.00	0
125	Glutamic (%)	0504	6.9650	0.41000	6.8204	0.27894	0.16314	7	0.52	125.00	0
125	Glutamic (%)	0171	8.1350	0.03000	6.8204	0.27894	0.16314	7	4.71	125.00	0
126	Glycine (%)	0969	6.2705	0.00100	6.8264	0.25428	0.15443	7	-2.19	126.01	0
126	Glycine (%)	2023	6.6800	0.16000	6.8264	0.25428	0.15443	7	-0.58	126.02	0
126	Glycine (%)	2004	6.6950	0.17000	6.8264	0.25428	0.15443	7	-0.52	126.01	0
126	Glycine (%)	0970	6.9300	0.32000	6.8264	0.25428	0.15443	7	0.41	126.01	0
126	Glycine (%)	0171	6.9750	0.23000	6.8264	0.25428	0.15443	7	0.58	126.00	0
126	Glycine (%)	0504	7.0000	0.18000	6.8264	0.25428	0.15443	7	0.68	126.00	0
126	Glycine (%)	0227	7.0600	0.02000	6.8264	0.25428	0.15443	7	0.92	126.00	0

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127	Histidine (%)	2004	0.81400	0.00400	0.95581	0.12724	0.02686	7	-1.11	127.01	0
127	Histidine (%)	0969	0.85800	0.04800	0.95581	0.12724	0.02686	7	-0.77	127.01	0
127	Histidine (%)	0970	0.89700	0.02600	0.95581	0.12724	0.02686	7	-0.46	127.01	0
127	Histidine (%)	0504	0.96000	0.00000	0.95581	0.12724	0.02686	7	0.03	127.00	0
127	Histidine (%)	0227	0.99000	0.06000	0.95581	0.12724	0.02686	7	0.27	127.00	0
127	Histidine (%)	2023	1.0250	0.01000	0.95581	0.12724	0.02686	7	0.54	127.02	0
127	Histidine (%)	0171	1.2200	0.04000	0.95581	0.12724	0.02686	7	2.08	127.00	0
128	Isoleucine (%)	2023	1.4750	0.01000	1.6434	0.05454	0.03629	7	-3.09	128.02	0
128	Isoleucine (%)	0970	1.6150	0.01000	1.6434	0.05454	0.03629	7	-0.52	128.01	0
128	Isoleucine (%)	0171	1.6350	0.07000	1.6434	0.05454	0.03629	7	-0.15	128.00	0
128	Isoleucine (%)	0227	1.6400	0.06000	1.6434	0.05454	0.03629	7	-0.06	128.00	0
128	Isoleucine (%)	2004	1.6550	0.07000	1.6434	0.05454	0.03629	7	0.21	128.01	0
128	Isoleucine (%)	0969	1.6920	0.00400	1.6434	0.05454	0.03629	7	0.89	128.01	0
128	Isoleucine (%)	0504	1.7050	0.03000	1.6434	0.05454	0.03629	7	1.13	128.00	0
129	Leucine (%)	0969	3.3805	0.00100	3.4758	0.09198	0.06871	7	-1.04	129.01	0
129	Leucine (%)	0970	3.3950	0.05000	3.4758	0.09198	0.06871	7	-0.88	129.01	0
129	Leucine (%)	2023	3.4000	0.06000	3.4758	0.09198	0.06871	7	-0.82	129.02	0
129	Leucine (%)	0227	3.5150	0.11000	3.4758	0.09198	0.06871	7	0.43	129.00	0
129	Leucine (%)	2004	3.5150	0.13000	3.4758	0.09198	0.06871	7	0.43	129.01	0
129	Leucine (%)	0504	3.5600	0.08000	3.4758	0.09198	0.06871	7	0.92	129.00	0
129	Leucine (%)	0171	3.5650	0.05000	3.4758	0.09198	0.06871	7	0.97	129.00	0
130	L-Lysine (%)	0969	2.8010	0.00200	3.0058	0.20571	0.03743	7	-1.00	130.01	0
130	L-Lysine (%)	0970	2.8200	0.04000	3.0058	0.20571	0.03743	7	-0.90	130.01	0
130	L-Lysine (%)	2023	2.9450	0.01000	3.0058	0.20571	0.03743	7	-0.30	130.02	0
130	L-Lysine (%)	2004	2.9650	0.13000	3.0058	0.20571	0.03743	7	-0.20	130.01	0
130	L-Lysine (%)	0227	3.0550	0.05000	3.0058	0.20571	0.03743	7	0.24	130.00	0
130	L-Lysine (%)	0504	3.1400	0.00000	3.0058	0.20571	0.03743	7	0.65	130.00	0
130	L-Lysine (%)	0171	3.5650	0.03000	3.0058	0.20571	0.03743	7	2.72	130.00	0
131	Methionine (%)	0970	0.80750	0.04100	0.84426	0.04054	0.01900	6	-0.91	131.01	0
131	Methionine (%)	0227	0.82500	0.01000	0.84426	0.04054	0.01900	6	-0.48	131.00	0
131	Methionine (%)	0504	0.83000	0.02000	0.84426	0.04054	0.01900	6	-0.35	131.00	0
131	Methionine (%)	2023	0.83000	0.00000	0.84426	0.04054	0.01900	6	-0.35	131.02	0
131	Methionine (%)	2004	0.86800	0.03400	0.84426	0.04054	0.01900	6	0.59	131.01	0
131	Methionine (%)	0969	0.95350	0.00900	0.84426	0.04054	0.01900	6	2.69	131.01	0
131	Methionine (%)	0171	38.395	75.210	0.84426	0.04054	0.01900	6	926.17	131.00	2
132	Phenylalanine (%)	0969	1.8500	0.00000	1.8993	0.04904	0.04429	7	-1.00	132.01	0
132	Phenylalanine (%)	0970	1.8550	0.07000	1.8993	0.04904	0.04429	7	-0.90	132.01	0
132	Phenylalanine (%)	2004	1.8800	0.04000	1.8993	0.04904	0.04429	7	-0.39	132.01	0
132	Phenylalanine (%)	2023	1.8900	0.06000	1.8993	0.04904	0.04429	7	-0.19	132.02	0
132	Phenylalanine (%)	0227	1.9200	0.08000	1.8993	0.04904	0.04429	7	0.42	132.00	0
132	Phenylalanine (%)	0504	1.9300	0.00000	1.8993	0.04904	0.04429	7	0.63	132.00	0
132	Phenylalanine (%)	0171	1.9700	0.06000	1.8993	0.04904	0.04429	7	1.44	132.00	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
133	Proline (%)	0969	3.9705	0.00100	4.3479	0.34423	0.06729	7	-1.10	133.99	0
133	Proline (%)	0504	4.0850	0.09000	4.3479	0.34423	0.06729	7	-0.76	133.00	0
133	Proline (%)	0970	4.2350	0.01000	4.3479	0.34423	0.06729	7	-0.33	133.99	0
133	Proline (%)	2004	4.2700	0.06000	4.3479	0.34423	0.06729	7	-0.23	133.04	0
133	Proline (%)	0227	4.3800	0.04000	4.3479	0.34423	0.06729	7	0.09	133.00	0
133	Proline (%)	0171	4.7150	0.21000	4.3479	0.34423	0.06729	7	1.07	133.00	0
133	Proline (%)	2023	4.7800	0.06000	4.3479	0.34423	0.06729	7	1.26	133.99	0
134	Serine (%)	0969	2.2290	0.00200	2.2818	0.07345	0.02867	6	-0.72	134.01	0
134	Serine (%)	2004	2.2300	0.06000	2.2818	0.07345	0.02867	6	-0.71	134.01	0
134	Serine (%)	0970	2.2350	0.03000	2.2818	0.07345	0.02867	6	-0.64	134.01	0
134	Serine (%)	0227	2.2900	0.02000	2.2818	0.07345	0.02867	6	0.11	134.00	0
134	Serine (%)	2023	2.3150	0.03000	2.2818	0.07345	0.02867	6	0.45	134.02	0
134	Serine (%)	0171	2.3950	0.03000	2.2818	0.07345	0.02867	6	1.54	134.00	0
134	Serine (%)	0504	2.0900	0.34000	2.2818	0.07345	0.02867	6	-2.61	134.00	1
135	Threonine (%)	0171	1.9200	0.06000	1.9686	0.04585	0.04586	7	-1.06	135.00	0
135	Threonine (%)	0504	1.9400	0.06000	1.9686	0.04585	0.04586	7	-0.62	135.00	0
135	Threonine (%)	0969	1.9405	0.00100	1.9686	0.04585	0.04586	7	-0.61	135.01	0
135	Threonine (%)	0970	1.9650	0.05000	1.9686	0.04585	0.04586	7	-0.08	135.01	0
135	Threonine (%)	2023	1.9700	0.02000	1.9686	0.04585	0.04586	7	0.03	135.02	0
135	Threonine (%)	0227	2.0200	0.06000	1.9686	0.04585	0.04586	7	1.12	135.00	0
135	Threonine (%)	2004	2.0250	0.07000	1.9686	0.04585	0.04586	7	1.23	135.01	0
136	Tryptophan (%)	2004	0.38100	0.01000	0.40517	0.02170	0.02100	6	-1.11	136.99	0
136	Tryptophan (%)	0970	0.38450	0.02100	0.40517	0.02170	0.02100	6	-0.95	136.99	0
136	Tryptophan (%)	2023	0.40500	0.01000	0.40517	0.02170	0.02100	6	-0.01	136.02	0
136	Tryptophan (%)	0504	0.41500	0.03000	0.40517	0.02170	0.02100	6	0.45	136.99	0
136	Tryptophan (%)	0969	0.41550	0.03500	0.40517	0.02170	0.02100	6	0.48	136.99	0
136	Tryptophan (%)	0227	0.43000	0.02000	0.40517	0.02170	0.02100	6	1.14	136.00	0
137	Tyrosine (%)	0227	1.3750	0.09000	1.4349	0.06211	0.05314	7	-0.96	137.00	0
137	Tyrosine (%)	2023	1.3750	0.09000	1.4349	0.06211	0.05314	7	-0.96	137.02	0
137	Tyrosine (%)	0504	1.4050	0.03000	1.4349	0.06211	0.05314	7	-0.48	137.00	0
137	Tyrosine (%)	0970	1.4250	0.05000	1.4349	0.06211	0.05314	7	-0.16	137.01	0
137	Tyrosine (%)	0969	1.4590	0.00200	1.4349	0.06211	0.05314	7	0.39	137.01	0
137	Tyrosine (%)	2004	1.4950	0.07000	1.4349	0.06211	0.05314	7	0.97	137.01	0
137	Tyrosine (%)	0171	1.5100	0.04000	1.4349	0.06211	0.05314	7	1.21	137.00	0
138	Valine (%)	2023	2.1200	0.02000	2.3521	0.10121	0.02443	7	-2.29	138.02	0
138	Valine (%)	0970	2.3000	0.02000	2.3521	0.10121	0.02443	7	-0.51	138.01	0
138	Valine (%)	2004	2.3300	0.02000	2.3521	0.10121	0.02443	7	-0.22	138.01	0
138	Valine (%)	0969	2.3595	0.00100	2.3521	0.10121	0.02443	7	0.07	138.01	0
138	Valine (%)	0171	2.3700	0.04000	2.3521	0.10121	0.02443	7	0.18	138.00	0
138	Valine (%)	0227	2.4300	0.04000	2.3521	0.10121	0.02443	7	0.77	138.00	0
138	Valine (%)	0504	2.4750	0.03000	2.3521	0.10121	0.02443	7	1.21	138.00	0
139	Taurine (%)	0171	0.11500	0.01000	0.16529	0.04424	0.00800	7	-1.14	139.00	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Your Method	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
139	Taurine (%)	0970	0.11600	0.00200	0.16529	0.04424	0.00800	7	-1.11	139.00	0
139	Taurine (%)	0227	0.16000	0.02000	0.16529	0.04424	0.00800	7	-0.12	139.00	0
139	Taurine (%)	0504	0.16000	0.00000	0.16529	0.04424	0.00800	7	-0.12	139.00	0
139	Taurine (%)	2023	0.19500	0.01000	0.16529	0.04424	0.00800	7	0.67	139.02	0
139	Taurine (%)	0969	0.20550	0.00500	0.16529	0.04424	0.00800	7	0.91	139.00	0
139	Taurine (%)	2004	0.20550	0.00900	0.16529	0.04424	0.00800	7	0.91	139.01	0
160	Fructose (%)	0969	0.00000	0.00000				0		160.99	4
160	Fructose (%)	2004	0.01200	0.02400				0		160.99	4
161	Galactose (%)	0969	0.00000	0.00000				0		161.99	4
161	Galactose (%)	2004	0.00000	0.00000				0		161.99	4
162	Glucose (%)	0969	0.00000	0.00000				0		162.99	4
162	Glucose (%)	2004	0.00000	0.00000				0		162.99	4
163	Lactose (%)	0969	0.00000	0.00000				0		163.99	4
163	Lactose (%)	2004	0.00000	0.00000				0		163.99	4
164	Maltose (%)	0969	0.00000	0.00000				0		164.99	4
164	Maltose (%)	2004	0.00000	0.00000				0		164.99	4
165	Sucrose (%)	0969	0.00000	0.00000				0		165.99	4
165	Sucrose (%)	2004	0.00000	0.00000				0		165.99	4
400	Water activity (Units)	2083	0.45050	0.00100				1		400.99	0
516	Arsenic, total (mg / kg (ppm))	0171	0.10000	0.00000	0.12100	0.01843	0.02125	4	-1.14	516.00	0
516	Arsenic, total (mg / kg (ppm))	0553	0.12850	0.00900	0.12100	0.01843	0.02125	4	0.41	516.53	0
516	Arsenic, total (mg / kg (ppm))	0164	0.13450	0.00100	0.12100	0.01843	0.02125	4	0.73	516.53	0
516	Arsenic, total (mg / kg (ppm))	2124	0.30750	0.07500	0.12100	0.01843	0.02125	4	10.12	516.43	0
518	Cadmium (mg / kg (ppm))	0164	0.20550	0.02900	0.24550	0.04296	0.03000	4	-0.93	518.53	0
518	Cadmium (mg / kg (ppm))	2124	0.21750	0.00500	0.24550	0.04296	0.03000	4	-0.65	518.43	0
518	Cadmium (mg / kg (ppm))	0553	0.25900	0.08600	0.24550	0.04296	0.03000	4	0.31	518.53	0
518	Cadmium (mg / kg (ppm))	0171	0.30000	0.00000	0.24550	0.04296	0.03000	4	1.27	518.41	0
520	Chromium (mg / kg (ppm))	2023	1.7150	0.07000	2.0863	0.45569	0.12750	4	-0.81	520.53	0
520	Chromium (mg / kg (ppm))	0553	1.9100	0.30000	2.0863	0.45569	0.12750	4	-0.39	520.53	0
520	Chromium (mg / kg (ppm))	0510	1.9700	0.04000	2.0863	0.45569	0.12750	4	-0.26	520.43	0
520	Chromium (mg / kg (ppm))	0171	2.7500	0.10000	2.0863	0.45569	0.12750	4	1.46	520.41	0
526	Lead (mg / kg (ppm))	0164	0.51400	0.02000	0.59383	0.09576	0.03367	3		526.53	0
526	Lead (mg / kg (ppm))	0553	0.56750	0.08100	0.59383	0.09576	0.03367	3		526.53	0
526	Lead (mg / kg (ppm))	0171	0.70000	0.00000	0.59383	0.09576	0.03367	3		526.41	0
539	Nickel (mg / kg (ppm))	2023	2.6400	0.48000				2		539.53	0
539	Nickel (mg / kg (ppm))	0553	3.3600	0.52000				2		539.53	0

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