

Dairy Feed

Minerals Scheme

# Labs Reporting: 29

Test Material Code # 201752

Analyte Proficiency Testing Report

Issue Date : 07/31/2017

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Your Method	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests			
015	Aluminum (mg / kg (ppm))	0047	116.10	1.4800	404.56	26.222	15.333	17	-11.00	015.52	0
015	Aluminum (mg / kg (ppm))	0098	241.80	30.200	404.56	26.222	15.333	17	-6.21	015.43	0
015	Aluminum (mg / kg (ppm))	2051	263.47	57.520	404.56	26.222	15.333	17	-5.38	015.53	0
015	Aluminum (mg / kg (ppm))	2113	305.00	10.000	404.56	26.222	15.333	17	-3.80	015.52	0
015	Aluminum (mg / kg (ppm))	0870	329.70	0.00000	404.56	26.222	15.333	17	-2.85	015.42	0
015	Aluminum (mg / kg (ppm))	2129	348.40	34.600	404.56	26.222	15.333	17	-2.14	015.42	0
015	Aluminum (mg / kg (ppm))	0918	350.91	4.6214	404.56	26.222	15.333	17	-2.05	015.43	0
015	Aluminum (mg / kg (ppm))	0042	357.50	11.000	404.56	26.222	15.333	17	-1.79	015.42	0
015	Aluminum (mg / kg (ppm))	0186	362.50	11.000	404.56	26.222	15.333	17	-1.60	015.52	0
015	Aluminum (mg / kg (ppm))	0278	392.00	14.000	404.56	26.222	15.333	17	-0.48	015.43	0
015	Aluminum (mg / kg (ppm))	0510	456.00	0.00000	404.56	26.222	15.333	17	1.96	015.43	0
015	Aluminum (mg / kg (ppm))	0964	480.43	10.841	404.56	26.222	15.333	17	2.89	015.41	0
015	Aluminum (mg / kg (ppm))	0407	491.92	2.9046	404.56	26.222	15.333	17	3.33	015.41	0
015	Aluminum (mg / kg (ppm))	0227	558.50	45.000	404.56	26.222	15.333	17	5.87	015.41	0
015	Aluminum (mg / kg (ppm))	0553	558.50	9.0000	404.56	26.222	15.333	17	5.87	015.53	0
015	Aluminum (mg / kg (ppm))	2033	571.75	1.5000	404.56	26.222	15.333	17	6.38	015.43	0
015	Aluminum (mg / kg (ppm))	0208	642.50	17.000	404.56	26.222	15.333	17	9.07	015.41	0
017	Boron (mg / kg (ppm))	2051	35.650	0.50000	52.694	4.6416	1.4538	11	-3.67	017.42	0
017	Boron (mg / kg (ppm))	0043	43.550	3.7000	52.694	4.6416	1.4538	11	-1.97	017.43	0
017	Boron (mg / kg (ppm))	0047	46.115	0.05000	52.694	4.6416	1.4538	11	-1.42	017.52	0
017	Boron (mg / kg (ppm))	0870	46.740	0.00000	52.694	4.6416	1.4538	11	-1.28	017.42	0
017	Boron (mg / kg (ppm))	0407	52.149	2.5420	52.694	4.6416	1.4538	11	-0.12	017.41	0
017	Boron (mg / kg (ppm))	0098	54.840	3.5400	52.694	4.6416	1.4538	11	0.46	017.43	0
017	Boron (mg / kg (ppm))	2113	56.000	0.00000	52.694	4.6416	1.4538	11	0.71	017.52	0
017	Boron (mg / kg (ppm))	0510	57.500	1.0000	52.694	4.6416	1.4538	11	1.04	017.43	0
017	Boron (mg / kg (ppm))	2033	59.500	0.80000	52.694	4.6416	1.4538	11	1.47	017.43	0
017	Boron (mg / kg (ppm))	0553	61.000	2.6000	52.694	4.6416	1.4538	11	1.79	017.53	0
017	Boron (mg / kg (ppm))	2129	62.510	1.2600	52.694	4.6416	1.4538	11	2.11	017.42	0
017	Boron (mg / kg (ppm))	0208	42.700	11.000	52.694	4.6416	1.4538	11	-2.15	017.44	1
021	Cobalt (mg / kg (ppm))	0870	4.1220	0.00000	10.130	1.1436	0.36091	24	-5.25	021.42	0
021	Cobalt (mg / kg (ppm))	0278	6.9800	0.08000	10.130	1.1436	0.36091	24	-2.75	021.43	0
021	Cobalt (mg / kg (ppm))	2113	7.2000	0.00000	10.130	1.1436	0.36091	24	-2.56	021.52	0
021	Cobalt (mg / kg (ppm))	0042	7.5550	0.25000	10.130	1.1436	0.36091	24	-2.25	021.42	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Your	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
021	Cobalt (mg / kg (ppm))	0047	8.4750	0.17000	10.130	1.1436	0.36091	24	-1.45	021.52	0
021	Cobalt (mg / kg (ppm))	0098	8.9590	0.42400	10.130	1.1436	0.36091	24	-1.02	021.43	0
021	Cobalt (mg / kg (ppm))	0186	9.1000	0.00000	10.130	1.1436	0.36091	24	-0.90	021.42	0
021	Cobalt (mg / kg (ppm))	0043	9.2450	0.53000	10.130	1.1436	0.36091	24	-0.77	021.43	0
021	Cobalt (mg / kg (ppm))	0407	9.4827	0.09760	10.130	1.1436	0.36091	24	-0.57	021.41	0
021	Cobalt (mg / kg (ppm))	2033	9.7400	0.00000	10.130	1.1436	0.36091	24	-0.34	021.43	0
021	Cobalt (mg / kg (ppm))	0918	9.9438	1.2279	10.130	1.1436	0.36091	24	-0.16	021.53	0
021	Cobalt (mg / kg (ppm))	0227	10.900	0.00000	10.130	1.1436	0.36091	24	0.67	021.31	0
021	Cobalt (mg / kg (ppm))	2141	10.930	0.46000	10.130	1.1436	0.36091	24	0.70	021.43	0
021	Cobalt (mg / kg (ppm))	0553	11.050	0.30000	10.130	1.1436	0.36091	24	0.80	021.53	0
021	Cobalt (mg / kg (ppm))	0510	11.060	0.26000	10.130	1.1436	0.36091	24	0.81	021.43	0
021	Cobalt (mg / kg (ppm))	0033	11.100	0.60000	10.130	1.1436	0.36091	24	0.85	021.53	0
021	Cobalt (mg / kg (ppm))	2051	11.225	0.73000	10.130	1.1436	0.36091	24	0.96	021.53	0
021	Cobalt (mg / kg (ppm))	0964	11.266	0.01500	10.130	1.1436	0.36091	24	0.99	021.41	0
021	Cobalt (mg / kg (ppm))	0186	11.300	0.20000	10.130	1.1436	0.36091	24	1.02	021.52	0
021	Cobalt (mg / kg (ppm))	0027	11.472	0.95100	10.130	1.1436	0.36091	24	1.17	021.43	0
021	Cobalt (mg / kg (ppm))	0504	11.575	0.25000	10.130	1.1436	0.36091	24	1.26	021.43	0
021	Cobalt (mg / kg (ppm))	0964	11.706	0.64360	10.130	1.1436	0.36091	24	1.38	021.43	0
021	Cobalt (mg / kg (ppm))	0208	12.150	1.3000	10.130	1.1436	0.36091	24	1.77	021.31	0
021	Cobalt (mg / kg (ppm))	0563	14.837	0.17270	10.130	1.1436	0.36091	24	4.12	021.31	0
022	Copper (mg / kg (ppm))	0043	228.50	3.0000	259.29	17.970	8.8203	28	-1.71	022.43	0
022	Copper (mg / kg (ppm))	0202	232.87	2.4500	259.29	17.970	8.8203	28	-1.47	022.43	0
022	Copper (mg / kg (ppm))	0407	234.02	1.5077	259.29	17.970	8.8203	28	-1.41	022.41	0
022	Copper (mg / kg (ppm))	0042	242.00	12.000	259.29	17.970	8.8203	28	-0.96	022.42	0
022	Copper (mg / kg (ppm))	0964	244.09	5.4990	259.29	17.970	8.8203	28	-0.85	022.41	0
022	Copper (mg / kg (ppm))	2113	245.00	10.000	259.29	17.970	8.8203	28	-0.80	022.52	0
022	Copper (mg / kg (ppm))	0504	246.95	36.500	259.29	17.970	8.8203	28	-0.69	022.43	0
022	Copper (mg / kg (ppm))	2051	248.53	11.010	259.29	17.970	8.8203	28	-0.60	022.53	0
022	Copper (mg / kg (ppm))	0208	249.70	6.2000	259.29	17.970	8.8203	28	-0.53	022.41	0
022	Copper (mg / kg (ppm))	0504	249.80	13.600	259.29	17.970	8.8203	28	-0.53	022.33	0
022	Copper (mg / kg (ppm))	0227	254.00	6.0000	259.29	17.970	8.8203	28	-0.29	022.41	0
022	Copper (mg / kg (ppm))	0047	256.43	2.3700	259.29	17.970	8.8203	28	-0.16	022.52	0
022	Copper (mg / kg (ppm))	0017	257.14	15.508	259.29	17.970	8.8203	28	-0.12	022.43	0
022	Copper (mg / kg (ppm))	0010	261.50	9.0000	259.29	17.970	8.8203	28	0.12	022.33	0
022	Copper (mg / kg (ppm))	0510	262.00	8.0000	259.29	17.970	8.8203	28	0.15	022.43	0
022	Copper (mg / kg (ppm))	2033	262.50	3.0000	259.29	17.970	8.8203	28	0.18	022.43	0
022	Copper (mg / kg (ppm))	0504	262.65	2.3000	259.29	17.970	8.8203	28	0.19	022.32	0
022	Copper (mg / kg (ppm))	0964	263.41	25.945	259.29	17.970	8.8203	28	0.23	022.43	0
022	Copper (mg / kg (ppm))	0208	264.00	10.000	259.29	17.970	8.8203	28	0.26	022.31	0
022	Copper (mg / kg (ppm))	0870	267.70	0.00000	259.29	17.970	8.8203	28	0.47	022.42	0
022	Copper (mg / kg (ppm))	0186	270.50	3.0000	259.29	17.970	8.8203	28	0.62	022.42	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
022	Copper (mg / kg (ppm))	0563	270.52	2.4433	259.29	17.970	8.8203	28	0.62	022.31	0
022	Copper (mg / kg (ppm))	0553	271.00	16.000	259.29	17.970	8.8203	28	0.65	022.53	0
022	Copper (mg / kg (ppm))	2141	274.90	13.270	259.29	17.970	8.8203	28	0.87	022.43	0
022	Copper (mg / kg (ppm))	0186	279.00	8.0000	259.29	17.970	8.8203	28	1.10	022.52	0
022	Copper (mg / kg (ppm))	0668	289.00	10.000	259.29	17.970	8.8203	28	1.65	022.43	0
022	Copper (mg / kg (ppm))	0027	290.54	3.1650	259.29	17.970	8.8203	28	1.74	022.43	0
022	Copper (mg / kg (ppm))	2129	300.10	7.2000	259.29	17.970	8.8203	28	2.27	022.42	0
022	Copper (mg / kg (ppm))	0098	262.75	56.700	259.29	17.970	8.8203	28	0.19	022.53	1
023	Fluorine (mg / kg (ppm))	2033	7.2800	0.74000			1.0200	2		023.01	0
023	Fluorine (mg / kg (ppm))	0208	16.350	1.3000			1.0200	2		023.01	0
024	Iodine (mg / kg (ppm))	2033	37.100	1.2000	46.725	4.1909	3.3500	4	-2.30	024.53	0
024	Iodine (mg / kg (ppm))	0186	47.000	2.0000	46.725	4.1909	3.3500	4	0.07	024.01	0
024	Iodine (mg / kg (ppm))	0208	49.800	6.2000	46.725	4.1909	3.3500	4	0.73	024.99	0
024	Iodine (mg / kg (ppm))	0186	53.000	4.0000	46.725	4.1909	3.3500	4	1.50	024.52	0
034	Selenium (mg / kg (ppm))	0227	2.5400	0.16000	4.3254	0.55506	0.25452	17	-3.22	034.04	0
034	Selenium (mg / kg (ppm))	0047	3.2900	0.24000	4.3254	0.55506	0.25452	17	-1.87	034.52	0
034	Selenium (mg / kg (ppm))	2033	3.5550	0.11000	4.3254	0.55506	0.25452	17	-1.39	034.53	0
034	Selenium (mg / kg (ppm))	0098	3.5900	0.31000	4.3254	0.55506	0.25452	17	-1.32	034.53	0
034	Selenium (mg / kg (ppm))	0964	3.6651	1.1043	4.3254	0.55506	0.25452	17	-1.19	034.43	0
034	Selenium (mg / kg (ppm))	2051	3.7650	0.37000	4.3254	0.55506	0.25452	17	-1.01	034.53	0
034	Selenium (mg / kg (ppm))	0033	3.8450	0.11000	4.3254	0.55506	0.25452	17	-0.87	034.53	0
034	Selenium (mg / kg (ppm))	0918	3.8771	0.22900	4.3254	0.55506	0.25452	17	-0.81	034.53	0
034	Selenium (mg / kg (ppm))	0208	4.0350	0.15000	4.3254	0.55506	0.25452	17	-0.52	034.52	0
034	Selenium (mg / kg (ppm))	0186	4.3400	0.06000	4.3254	0.55506	0.25452	17	0.03	034.52	0
034	Selenium (mg / kg (ppm))	0553	4.3750	0.11000	4.3254	0.55506	0.25452	17	0.09	034.53	0
034	Selenium (mg / kg (ppm))	0010	5.0000	0.00000	4.3254	0.55506	0.25452	17	1.22	034.53	0
034	Selenium (mg / kg (ppm))	2141	5.1300	0.02000	4.3254	0.55506	0.25452	17	1.45	034.43	0
034	Selenium (mg / kg (ppm))	2113	5.2500	0.10000	4.3254	0.55506	0.25452	17	1.67	034.52	0
034	Selenium (mg / kg (ppm))	0407	5.4250	0.95000	4.3254	0.55506	0.25452	17	1.98	034.42	0
034	Selenium (mg / kg (ppm))	0563	5.7396	0.30350	4.3254	0.55506	0.25452	17	2.55	034.04	0
034	Selenium (mg / kg (ppm))	0870	6.3840	0.00000	4.3254	0.55506	0.25452	17	3.71	034.42	0
034	Selenium (mg / kg (ppm))	0042	21.350	2.7000	4.3254	0.55506	0.25452	17	30.67	034.42	2
036	Sulfur (%)	2051	0.46500	0.03000	0.69726	0.02944	0.01866	19	-7.89	036.42	0
036	Sulfur (%)	0870	0.59885	0.02890	0.69726	0.02944	0.01866	19	-3.34	036.42	0
036	Sulfur (%)	0186	0.60200	0.01000	0.69726	0.02944	0.01866	19	-3.24	036.42	0
036	Sulfur (%)	0043	0.64850	0.01100	0.69726	0.02944	0.01866	19	-1.66	036.43	0
036	Sulfur (%)	0202	0.65700	0.00200	0.69726	0.02944	0.01866	19	-1.37	036.43	0
036	Sulfur (%)	0208	0.67150	0.00700	0.69726	0.02944	0.01866	19	-0.87	036.00	0
036	Sulfur (%)	0033	0.67500	0.01000	0.69726	0.02944	0.01866	19	-0.76	036.43	0
036	Sulfur (%)	0668	0.68100	0.01200	0.69726	0.02944	0.01866	19	-0.55	036.43	0
036	Sulfur (%)	0553	0.68450	0.01300	0.69726	0.02944	0.01866	19	-0.43	036.53	0

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			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
036	Sulfur (%)	0227	0.69000	0.04000	0.69726	0.02944	0.01866	19	-0.25	036.42	0
036	Sulfur (%)	2129	0.70050	0.00900	0.69726	0.02944	0.01866	19	0.11	036.42	0
036	Sulfur (%)	0964	0.70105	0.01630	0.69726	0.02944	0.01866	19	0.13	036.43	0
036	Sulfur (%)	0407	0.70650	0.00100	0.69726	0.02944	0.01866	19	0.31	036.42	0
036	Sulfur (%)	0010	0.72000	0.04000	0.69726	0.02944	0.01866	19	0.77	036.43	0
036	Sulfur (%)	0098	0.75550	0.05700	0.69726	0.02944	0.01866	19	1.98	036.43	0
036	Sulfur (%)	2141	0.77165	0.00930	0.69726	0.02944	0.01866	19	2.53	036.43	0
036	Sulfur (%)	0510	0.78000	0.02000	0.69726	0.02944	0.01866	19	2.81	036.43	0
036	Sulfur (%)	0186	0.83100	0.01800	0.69726	0.02944	0.01866	19	4.54	036.52	0
036	Sulfur (%)	2033	0.85000	0.02000	0.69726	0.02944	0.01866	19	5.19	036.43	0
038	Molybdenum (mg / kg (ppm))	0208	24.850	0.90000	39.807	3.6576	3.0538	21	-4.09	038.41	0
038	Molybdenum (mg / kg (ppm))	0042	32.450	5.1000	39.807	3.6576	3.0538	21	-2.01	038.42	0
038	Molybdenum (mg / kg (ppm))	0870	33.540	0.00000	39.807	3.6576	3.0538	21	-1.71	038.42	0
038	Molybdenum (mg / kg (ppm))	0027	33.852	1.0000	39.807	3.6576	3.0538	21	-1.63	038.43	0
038	Molybdenum (mg / kg (ppm))	0563	36.679	0.98830	39.807	3.6576	3.0538	21	-0.86	038.34	0
038	Molybdenum (mg / kg (ppm))	0964	36.805	1.2652	39.807	3.6576	3.0538	21	-0.82	038.41	0
038	Molybdenum (mg / kg (ppm))	0918	38.344	1.5003	39.807	3.6576	3.0538	21	-0.40	038.53	0
038	Molybdenum (mg / kg (ppm))	2113	38.500	1.0000	39.807	3.6576	3.0538	21	-0.36	038.52	0
038	Molybdenum (mg / kg (ppm))	0098	38.580	4.4400	39.807	3.6576	3.0538	21	-0.34	038.53	0
038	Molybdenum (mg / kg (ppm))	0407	38.741	0.69970	39.807	3.6576	3.0538	21	-0.29	038.41	0
038	Molybdenum (mg / kg (ppm))	0504	40.730	4.0800	39.807	3.6576	3.0538	21	0.25	038.43	0
038	Molybdenum (mg / kg (ppm))	0033	40.750	2.7000	39.807	3.6576	3.0538	21	0.26	038.53	0
038	Molybdenum (mg / kg (ppm))	2033	41.450	3.1000	39.807	3.6576	3.0538	21	0.45	038.43	0
038	Molybdenum (mg / kg (ppm))	0047	42.330	0.02000	39.807	3.6576	3.0538	21	0.69	038.52	0
038	Molybdenum (mg / kg (ppm))	0010	42.500	8.4000	39.807	3.6576	3.0538	21	0.74	038.53	0
038	Molybdenum (mg / kg (ppm))	0964	42.754	3.4571	39.807	3.6576	3.0538	21	0.81	038.43	0
038	Molybdenum (mg / kg (ppm))	0510	42.970	1.1600	39.807	3.6576	3.0538	21	0.86	038.43	0
038	Molybdenum (mg / kg (ppm))	2141	43.670	0.20000	39.807	3.6576	3.0538	21	1.06	038.43	0
038	Molybdenum (mg / kg (ppm))	2051	44.290	12.520	39.807	3.6576	3.0538	21	1.23	038.53	0
038	Molybdenum (mg / kg (ppm))	0553	48.700	5.6000	39.807	3.6576	3.0538	21	2.43	038.53	0
038	Molybdenum (mg / kg (ppm))	0227	57.000	6.0000	39.807	3.6576	3.0538	21	4.70	038.33	0
041	Vanadium (mg / kg (ppm))	0047	1.0550	0.05000	1.3730	0.20940	0.04914	7	-1.52	041.52	0
041	Vanadium (mg / kg (ppm))	2113	1.1000	0.00000	1.3730	0.20940	0.04914	7	-1.30	041.52	0
041	Vanadium (mg / kg (ppm))	0098	1.2510	0.02400	1.3730	0.20940	0.04914	7	-0.58	041.43	0
041	Vanadium (mg / kg (ppm))	2033	1.2700	0.02000	1.3730	0.20940	0.04914	7	-0.49	041.43	0
041	Vanadium (mg / kg (ppm))	0043	1.5200	0.08000	1.3730	0.20940	0.04914	7	0.70	041.43	0
041	Vanadium (mg / kg (ppm))	0278	1.6000	0.08000	1.3730	0.20940	0.04914	7	1.08	041.43	0
041	Vanadium (mg / kg (ppm))	0553	1.8150	0.09000	1.3730	0.20940	0.04914	7	2.11	041.53	0
041	Vanadium (mg / kg (ppm))	0870	0.00000	0.00000	1.3730	0.20940	0.04914	7	-6.56	041.42	4
516	Arsenic, total (mg / kg (ppm))	0425	1.1350	0.15000	3.2461	0.43494	0.25583	20	-4.85	516.34	0
516	Arsenic, total (mg / kg (ppm))	0278	2.0200	0.02000	3.2461	0.43494	0.25583	20	-2.82	516.43	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Your	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
516	Arsenic, total (mg / kg (ppm))	0870	2.1850	0.00000	3.2461	0.43494	0.25583	20	-2.44	516.42	0
516	Arsenic, total (mg / kg (ppm))	2033	2.6350	0.11000	3.2461	0.43494	0.25583	20	-1.40	516.53	0
516	Arsenic, total (mg / kg (ppm))	0098	2.9645	0.00900	3.2461	0.43494	0.25583	20	-0.65	516.53	0
516	Arsenic, total (mg / kg (ppm))	0033	2.9700	0.44000	3.2461	0.43494	0.25583	20	-0.63	516.53	0
516	Arsenic, total (mg / kg (ppm))	2051	3.0050	0.85000	3.2461	0.43494	0.25583	20	-0.55	516.53	0
516	Arsenic, total (mg / kg (ppm))	0208	3.0900	0.22000	3.2461	0.43494	0.25583	20	-0.36	516.52	0
516	Arsenic, total (mg / kg (ppm))	0047	3.1800	0.02000	3.2461	0.43494	0.25583	20	-0.15	516.52	0
516	Arsenic, total (mg / kg (ppm))	0227	3.1900	0.22000	3.2461	0.43494	0.25583	20	-0.13	516.53	0
516	Arsenic, total (mg / kg (ppm))	0010	3.3000	0.20000	3.2461	0.43494	0.25583	20	0.12	516.53	0
516	Arsenic, total (mg / kg (ppm))	0027	3.5135	0.29900	3.2461	0.43494	0.25583	20	0.61	516.43	0
516	Arsenic, total (mg / kg (ppm))	0186	3.5450	0.25000	3.2461	0.43494	0.25583	20	0.69	516.52	0
516	Arsenic, total (mg / kg (ppm))	2113	3.6000	0.00000	3.2461	0.43494	0.25583	20	0.81	516.52	0
516	Arsenic, total (mg / kg (ppm))	0964	3.6603	0.90300	3.2461	0.43494	0.25583	20	0.95	516.43	0
516	Arsenic, total (mg / kg (ppm))	2141	3.7400	0.78000	3.2461	0.43494	0.25583	20	1.14	516.43	0
516	Arsenic, total (mg / kg (ppm))	0553	3.7400	0.24000	3.2461	0.43494	0.25583	20	1.14	516.53	0
516	Arsenic, total (mg / kg (ppm))	0563	3.7773	0.22250	3.2461	0.43494	0.25583	20	1.22	516.00	0
516	Arsenic, total (mg / kg (ppm))	0918	3.9229	0.08310	3.2461	0.43494	0.25583	20	1.56	516.53	0
516	Arsenic, total (mg / kg (ppm))	0043	4.5100	0.10000	3.2461	0.43494	0.25583	20	2.91	516.43	0
518	Cadmium (mg / kg (ppm))	0278	0.27000	0.02000	0.52054	0.09187	0.08451	20	-2.73	518.43	0
518	Cadmium (mg / kg (ppm))	0043	0.27200	0.45400	0.52054	0.09187	0.08451	20	-2.71	518.43	0
518	Cadmium (mg / kg (ppm))	0407	0.36145	0.00130	0.52054	0.09187	0.08451	20	-1.73	518.41	0
518	Cadmium (mg / kg (ppm))	0425	0.41500	0.01000	0.52054	0.09187	0.08451	20	-1.15	518.34	0
518	Cadmium (mg / kg (ppm))	2051	0.48000	0.08000	0.52054	0.09187	0.08451	20	-0.44	518.53	0
518	Cadmium (mg / kg (ppm))	2113	0.49500	0.01000	0.52054	0.09187	0.08451	20	-0.28	518.52	0
518	Cadmium (mg / kg (ppm))	2033	0.50500	0.07000	0.52054	0.09187	0.08451	20	-0.17	518.53	0
518	Cadmium (mg / kg (ppm))	2141	0.52000	0.00000	0.52054	0.09187	0.08451	20	-0.01	518.43	0
518	Cadmium (mg / kg (ppm))	0010	0.52800	0.01800	0.52054	0.09187	0.08451	20	0.08	518.53	0
518	Cadmium (mg / kg (ppm))	0033	0.54000	0.04000	0.52054	0.09187	0.08451	20	0.21	518.53	0
518	Cadmium (mg / kg (ppm))	0186	0.54350	0.01500	0.52054	0.09187	0.08451	20	0.25	518.52	0
518	Cadmium (mg / kg (ppm))	0964	0.54790	0.03620	0.52054	0.09187	0.08451	20	0.30	518.43	0
518	Cadmium (mg / kg (ppm))	0208	0.54950	0.02500	0.52054	0.09187	0.08451	20	0.32	518.52	0
518	Cadmium (mg / kg (ppm))	0027	0.55000	0.03400	0.52054	0.09187	0.08451	20	0.32	518.43	0
518	Cadmium (mg / kg (ppm))	0042	0.55900	0.41400	0.52054	0.09187	0.08451	20	0.42	518.42	0
518	Cadmium (mg / kg (ppm))	0047	0.56000	0.06000	0.52054	0.09187	0.08451	20	0.43	518.52	0
518	Cadmium (mg / kg (ppm))	0098	0.56800	0.10000	0.52054	0.09187	0.08451	20	0.52	518.53	0
518	Cadmium (mg / kg (ppm))	0918	0.57890	0.01260	0.52054	0.09187	0.08451	20	0.64	518.53	0
518	Cadmium (mg / kg (ppm))	0553	0.63500	0.05600	0.52054	0.09187	0.08451	20	1.25	518.53	0
518	Cadmium (mg / kg (ppm))	0227	0.65100	0.23400	0.52054	0.09187	0.08451	20	1.42	518.53	0
518	Cadmium (mg / kg (ppm))	0563	3.1874	0.41810	0.52054	0.09187	0.08451	20	29.03	518.31	2
518	Cadmium (mg / kg (ppm))	0870	0.00000	0.00000	0.52054	0.09187	0.08451	20	-5.67	518.42	4
520	Chromium (mg / kg (ppm))	0047	5.5150	0.11000	13.454	1.4554	1.1734	20	-5.45	520.52	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Your	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
520	Chromium (mg / kg (ppm))	2113	6.5000	0.40000	13.454	1.4554	1.1734	20	-4.78	520.52	0
520	Chromium (mg / kg (ppm))	0870	7.2770	0.00000	13.454	1.4554	1.1734	20	-4.24	520.42	0
520	Chromium (mg / kg (ppm))	0918	7.4004	0.24160	13.454	1.4554	1.1734	20	-4.16	520.53	0
520	Chromium (mg / kg (ppm))	2141	11.345	1.0700	13.454	1.4554	1.1734	20	-1.45	520.43	0
520	Chromium (mg / kg (ppm))	2033	11.700	0.20000	13.454	1.4554	1.1734	20	-1.20	520.43	0
520	Chromium (mg / kg (ppm))	0553	11.850	0.50000	13.454	1.4554	1.1734	20	-1.10	520.53	0
520	Chromium (mg / kg (ppm))	0278	11.885	0.33000	13.454	1.4554	1.1734	20	-1.08	520.43	0
520	Chromium (mg / kg (ppm))	0563	12.324	0.28740	13.454	1.4554	1.1734	20	-0.78	520.31	0
520	Chromium (mg / kg (ppm))	0027	12.864	0.37900	13.454	1.4554	1.1734	20	-0.41	520.43	0
520	Chromium (mg / kg (ppm))	0098	12.950	2.3000	13.454	1.4554	1.1734	20	-0.35	520.43	0
520	Chromium (mg / kg (ppm))	0043	14.200	2.0000	13.454	1.4554	1.1734	20	0.51	520.43	0
520	Chromium (mg / kg (ppm))	0227	14.500	1.0000	13.454	1.4554	1.1734	20	0.72	520.31	0
520	Chromium (mg / kg (ppm))	0033	16.600	0.00000	13.454	1.4554	1.1734	20	2.16	520.53	0
520	Chromium (mg / kg (ppm))	0964	17.627	0.36920	13.454	1.4554	1.1734	20	2.87	520.43	0
520	Chromium (mg / kg (ppm))	0510	18.285	0.53000	13.454	1.4554	1.1734	20	3.32	520.43	0
520	Chromium (mg / kg (ppm))	2051	18.585	2.1500	13.454	1.4554	1.1734	20	3.53	520.53	0
520	Chromium (mg / kg (ppm))	0208	18.800	4.2000	13.454	1.4554	1.1734	20	3.67	520.41	0
520	Chromium (mg / kg (ppm))	0186	19.100	4.0000	13.454	1.4554	1.1734	20	3.88	520.52	0
520	Chromium (mg / kg (ppm))	0010	19.300	3.4000	13.454	1.4554	1.1734	20	4.02	520.53	0
520	Chromium (mg / kg (ppm))	0042	13.800	6.6000	13.454	1.4554	1.1734	20	0.24	520.42	1
526	Lead (mg / kg (ppm))	0870	0.90710	0.00000	2.7267	0.37506	0.20435	21	-4.85	526.42	0
526	Lead (mg / kg (ppm))	0425	1.4900	0.06000	2.7267	0.37506	0.20435	21	-3.30	526.34	0
526	Lead (mg / kg (ppm))	0278	1.9100	0.12000	2.7267	0.37506	0.20435	21	-2.18	526.43	0
526	Lead (mg / kg (ppm))	0407	2.1994	0.17900	2.7267	0.37506	0.20435	21	-1.41	526.41	0
526	Lead (mg / kg (ppm))	2141	2.2450	0.63000	2.7267	0.37506	0.20435	21	-1.28	526.43	0
526	Lead (mg / kg (ppm))	2113	2.2500	0.10000	2.7267	0.37506	0.20435	21	-1.27	526.52	0
526	Lead (mg / kg (ppm))	0027	2.6235	0.24100	2.7267	0.37506	0.20435	21	-0.28	526.43	0
526	Lead (mg / kg (ppm))	2033	2.6450	0.25000	2.7267	0.37506	0.20435	21	-0.22	526.53	0
526	Lead (mg / kg (ppm))	2051	2.6450	0.31000	2.7267	0.37506	0.20435	21	-0.22	526.53	0
526	Lead (mg / kg (ppm))	0964	2.7254	0.64010	2.7267	0.37506	0.20435	21	0.00	526.43	0
526	Lead (mg / kg (ppm))	0553	2.7500	0.12000	2.7267	0.37506	0.20435	21	0.06	526.53	0
526	Lead (mg / kg (ppm))	0033	2.8000	0.18000	2.7267	0.37506	0.20435	21	0.20	526.53	0
526	Lead (mg / kg (ppm))	0098	2.9350	0.39000	2.7267	0.37506	0.20435	21	0.56	526.53	0
526	Lead (mg / kg (ppm))	0186	2.9850	0.11000	2.7267	0.37506	0.20435	21	0.69	526.52	0
526	Lead (mg / kg (ppm))	0010	3.0000	0.20000	2.7267	0.37506	0.20435	21	0.73	526.53	0
526	Lead (mg / kg (ppm))	0227	3.0150	0.21000	2.7267	0.37506	0.20435	21	0.77	526.53	0
526	Lead (mg / kg (ppm))	0208	3.0800	0.12000	2.7267	0.37506	0.20435	21	0.94	526.52	0
526	Lead (mg / kg (ppm))	0047	3.2350	0.03000	2.7267	0.37506	0.20435	21	1.36	526.52	0
526	Lead (mg / kg (ppm))	0918	3.3104	0.03280	2.7267	0.37506	0.20435	21	1.56	526.53	0
526	Lead (mg / kg (ppm))	0043	4.0350	0.23000	2.7267	0.37506	0.20435	21	3.49	526.43	0
526	Lead (mg / kg (ppm))	0563	5.1842	0.13840	2.7267	0.37506	0.20435	21	6.55	526.31	0

Method Group	Analyte Group (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Your	Flag
			Value	Range	Rob Mean	Horwitz SD	R-bar	# Tests	Z Score	Method	
529	Mercury (µg / kg (ppb))	0047	2.5000	0.28000	1,581.3	236.10	159.77	13	-6.69	529.99	0
529	Mercury (µg / kg (ppb))	0425	2.5150	0.07000	1,581.3	236.10	159.77	13	-6.69	529.00	0
529	Mercury (µg / kg (ppb))	2033	1,282.5	315.00	1,581.3	236.10	159.77	13	-1.27	529.99	0
529	Mercury (µg / kg (ppb))	0010	1,333.5	387.00	1,581.3	236.10	159.77	13	-1.05	529.99	0
529	Mercury (µg / kg (ppb))	0227	1,505.0	10.000	1,581.3	236.10	159.77	13	-0.32	529.99	0
529	Mercury (µg / kg (ppb))	2051	1,556.0	519.12	1,581.3	236.10	159.77	13	-0.11	529.99	0
529	Mercury (µg / kg (ppb))	0033	1,608.5	3.0000	1,581.3	236.10	159.77	13	0.12	529.99	0
529	Mercury (µg / kg (ppb))	0186	1,786.0	40.000	1,581.3	236.10	159.77	13	0.87	529.99	0
529	Mercury (µg / kg (ppb))	0563	1,844.0	73.563	1,581.3	236.10	159.77	13	1.11	529.99	0
529	Mercury (µg / kg (ppb))	0918	1,856.5	371.00	1,581.3	236.10	159.77	13	1.17	529.99	0
529	Mercury (µg / kg (ppb))	0553	1,865.0	50.000	1,581.3	236.10	159.77	13	1.20	529.99	0
529	Mercury (µg / kg (ppb))	0034	1,876.0	118.00	1,581.3	236.10	159.77	13	1.25	529.99	0
529	Mercury (µg / kg (ppb))	0208	2,045.0	190.00	1,581.3	236.10	159.77	13	1.96	529.99	0
529	Mercury (µg / kg (ppb))	0043	0.00000	0.00000	1,581.3	236.10	159.77	13	-6.70	529.99	4
539	Nickel (mg / kg (ppm))	0870	2.9190	0.00000	7.1499	0.85067	0.23638	20	-4.97	539.42	0
539	Nickel (mg / kg (ppm))	0098	3.6900	0.08000	7.1499	0.85067	0.23638	20	-4.07	539.53	0
539	Nickel (mg / kg (ppm))	0208	4.8950	0.19000	7.1499	0.85067	0.23638	20	-2.65	539.41	0
539	Nickel (mg / kg (ppm))	0918	4.9103	0.18500	7.1499	0.85067	0.23638	20	-2.63	539.53	0
539	Nickel (mg / kg (ppm))	2113	5.1000	0.20000	7.1499	0.85067	0.23638	20	-2.41	539.52	0
539	Nickel (mg / kg (ppm))	2141	5.4350	0.05000	7.1499	0.85067	0.23638	20	-2.02	539.43	0
539	Nickel (mg / kg (ppm))	0047	5.5600	0.62000	7.1499	0.85067	0.23638	20	-1.87	539.52	0
539	Nickel (mg / kg (ppm))	0042	5.9350	0.41000	7.1499	0.85067	0.23638	20	-1.43	539.42	0
539	Nickel (mg / kg (ppm))	2033	6.3550	0.05000	7.1499	0.85067	0.23638	20	-0.93	539.43	0
539	Nickel (mg / kg (ppm))	0227	6.4500	0.30000	7.1499	0.85067	0.23638	20	-0.82	539.33	0
539	Nickel (mg / kg (ppm))	0407	7.0115	0.06930	7.1499	0.85067	0.23638	20	-0.16	539.41	0
539	Nickel (mg / kg (ppm))	0278	7.4900	0.36000	7.1499	0.85067	0.23638	20	0.40	539.43	0
539	Nickel (mg / kg (ppm))	0553	7.5250	0.23000	7.1499	0.85067	0.23638	20	0.44	539.53	0
539	Nickel (mg / kg (ppm))	0027	8.6735	0.16300	7.1499	0.85067	0.23638	20	1.79	539.43	0
539	Nickel (mg / kg (ppm))	0964	9.6327	0.08020	7.1499	0.85067	0.23638	20	2.92	539.43	0
539	Nickel (mg / kg (ppm))	2051	9.8400	0.74000	7.1499	0.85067	0.23638	20	3.16	539.53	0
539	Nickel (mg / kg (ppm))	0010	10.000	0.00000	7.1499	0.85067	0.23638	20	3.35	539.53	0
539	Nickel (mg / kg (ppm))	0186	10.300	0.40000	7.1499	0.85067	0.23638	20	3.70	539.42	0
539	Nickel (mg / kg (ppm))	0186	10.500	0.20000	7.1499	0.85067	0.23638	20	3.94	539.52	0
539	Nickel (mg / kg (ppm))	0043	10.600	0.40000	7.1499	0.85067	0.23638	20	4.06	539.43	0
539	Nickel (mg / kg (ppm))	0504	9.8050	2.1700	7.1499	0.85067	0.23638	20	3.12	539.43	1

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.